AGENDA
HISTORIC DISTRICT COUNCIL
REGULAR MEETING
FEBRUARY 20, 2025
5:00 PM
CITY HALL COMMISSION CHAMBERS
204 ASH STREET
FERNANDINA BEACH, FL 32034

1. CALL TO ORDER / ROLL CALL / DETERMINATION OF QUORUM

2. PLEDGE OF ALLEGIANCE

3. APPROVAL OF MEETING MINUTES

3.1 Approval of Minutes for the Regular Meeting of January 16, 2025.

4. OLD BUSINESS

4.1 **HDC 2024-0028 - RICE ARCHITECT, AGENT FOR ROBERT AND STACY MCKENZIE, 232 S. 7TH STREET**
FINAL Certificate of Approval (COA) to remove the existing garage, construct a 1-story detached garage with covered porch to the rear; construct 1-story addition to the north side of the principal residence, remove 3 existing windows and reuse on addition, install 1 new Anderson Series window, and install Tremron pavers to the rear of garage and west courtyard. *(Quasi-Judicial).*

4.2 **HDC 2024-0026 CITY OF FERNANDINA BEACH, CENTRE STREET "DOWNTOWN STREETSCAPE".**
FINAL Certificate of Approval (COA) for "Downtown Streetscape" with review to include materials and landscaping for Centre Street update. *(Quasi-Judicial)*
Presentation from Consultant with Kimley-Horn, Matthew Jurney

5. BOARD BUSINESS

5.1 **Sidewalk Medallions** - *Lisa Finkelstein will present ideas for sidewalk medallions.*

5.2 **History of Approval Process for Required Railroad Fencing on Front Street**

5.3 **Old Town Road Preference Survey Update and Next Steps**

5.4 **LDC Amendment to Section 9.03.00 - Establishing the Historic District Council Membership to seven (7) Voting Members and eliminating the Alternate Status.**
This request was added by Chair Filkoff.

5.5 **Follow Up discussions and updates**

- Staff Review and issuance of Certificate of Approval (COA) regarding Fences.
- Peck Center application to the National Registry of Historic Places.

- Recognition of the residence of Dr. William H. Peck (Peck High School founder) located at S.E. corner of Cedar and S. 9th Street

5.6 **Update on Port Activities**
Board update to be provided by Member Kosack

5.7 **Annual Election of Chair and Vice-Chair**

6. STAFF REPORT

6.1 **Staff Certificates of Approval (COA) for January 2025**

6.2 **Fernandina Beach Shrimping Industry Market Study Roundtable**
City Hall Chambers - Monday February 24, 2025, 10:00 am to 12:00 pm
Coordinated by the Northeast Florida Regional Council

6.3 **Bosque Bello Cemetery National Register Nomination - Next Steps**

6.4 **Fernandina Beach Hands-on Window Preservation Workshop - By Austin Historical**
Tentative Schedule - May 2025 at the City Hall Chambers or Alternate Site

7. PUBLIC COMMENT

8. ADJOURNMENT

THE NEXT HDC REGULAR MEETING IS SCHEDULED FOR THURSDAY, MARCH 20, 2025 AT 5PM. A SPECIAL MEETING OF THE HDC WILL BE HELD TO DISCUSS THE DOWNTOWN HISTORIC DISTRICT GUIDELINES UPDATE ON WEDNESDAY, FEBRUARY 26 AT 5PM.

All members of the public are invited to be present and be heard. Persons with disabilities requiring accommodations in order to participate in this program or activity should contact the City Clerk at (904) 310-3115 or TTY/TDD 711 (for the hearing or speech impaired). All interested parties may appear at said meeting and be heard as to the advisability of any action, which may be considered with respect to such matter. For information regarding this matter, please contact the Planning Department (904) 310-3135.

DRAFT

MINUTES
HISTORIC DISTRICT COUNCIL
REGULAR MEETING
JANUARY 16, 2025
5:00 PM
CITY HALL COMMISSION CHAMBERS
204 ASH STREET
FERNANDINA BEACH, FL 32034

1. CALL TO ORDER 5:00 PM

ROLL CALL/ DETERMINATION OF QUORUM

Members Present: Arlene Filkoff (Chair), James Pozzetta (Vice-Chair), Dylan Psulkowski, Pat Gass, Veronica Byrnes (Alt 1)

Members Absent: Tammi Kosack

Others Present: Margaret Pearson, Senior Planner
Harrison Poole, City Attorney Pro Tem
Morgan Ohlendorf, Recording Secretary

2. PLEDGE OF ALLEGIANCE

3. APPROVAL OF MEETING MINUTES

3.1 Review and Approval of the Minutes for the Regular Meeting of December 19, 2024.

ACTION TAKEN: A motion was made by Vice-Chair Pozzetta, seconded by Member Psulkowski, to approve the Minutes from the Regular Meeting of December 19, 2024, as presented.

Vote upon passage of the motion was taken by ayes and nays, and being all ayes, carried.

Chair Filkoff introduced City Attorney Pro Tem, Harrison Poole, who explained the Quasi-Judicial procedures and appeal process.

Chair Filkoff asked members to disclose any ex-parte communications. Vice-Chair Pozzetta disclosed discussing HDC 2024-0026 with Commissioner Tuten. Member Byrnes disclosed that she is now a member of the Downtown Design Council, and that she discussed HDC case 2024-0026. Chair Filkoff disclosed that she spoke with Lisa Finkelstein and Jacob Platt regarding HDC case 2024-0026.

Ms. Ohlendorf, Recording Secretary, administered the oath to all parties that wished to give testimony.

4. NEW BUSINESS

4.1 **HDC 2024-0026 CITY OF FERNANDINA BEACH, CENTRE STREET"DOWNTOWN STREETSCAPE".**
FINAL Certificate of Approval (COA) for "Downtown Streetscape" with review to include materials and landscaping for Centre Street update. *(Quasi-Judicial)*

Jeremiah Glisson, Deputy City Manager, advised the Board that this item may need to be continued due to the density of the

information presented and then proceeded in presenting the plans for the Downtown Streetscape project.

Vice-Chair Pozzetta asked Mr. Glisson to provide additional information about parking. Mr. Glisson clarified that there will be a net loss of parking on Centre Street but that the redesigning of some of the side streets should make up for the losses by adding parking spaces to these side streets.

Member Gass asked about the timeline for this project. Mr. Glisson answered that it will ideally be a five-year project, but it is dependent on available funding.

Chair Filkoff asked in what order the update would happen. Mr. Glisson answered that the project would work from west to east, starting with removal of the hardscape.

Member Byrnes asked if street lighting was included in this project and asked for additional information about the sidewalks. Mr. Glisson answered that the lighting is part of this project, but that it will be included in the overall electrical update and provided more information about sidewalks.

Chair Filkoff asked who would be managing this project. Mr. Glisson answered that the new Downtown Fernandina project manager, Lisa Finkelstein, will be starting in a few weeks and this will be one of the projects she oversees.

Vice-Chair Pozzetta asked about public seating areas and bike racks.

Mr. Glisson shared with the Board that the proposed concrete has four (4) available beige color options.

Member Gass spoke of the impact this project will have on trees and their root systems.

Chair Filkoff asked Mr. Glisson to revise this report and provide a plan that is easier to understand. She also asked if there would be a commitment to a dedicated maintenance plan and make sure to budget that cost. Mr. Glisson suggested that a recommendation to the Commission could be made to codify the inclusion for maintenance in construction. Chair Filkoff also spoke of her commitment during her current term to encourage conversion of some of the guidelines to be codified since she feels that in many cases it is contradictory to offer guidelines in a quasi-judicial setting, and that the expectations of the required mandates are the same as the ones required from typical City homeowners.

Mr. Glisson stated that he would reach out to the project engineers to see if they will be available to answer the Board's questions at the next meeting.

Public Hearing was opened and closed with no parties wishing to give testimony.

Board Discussion was opened.

The Board reiterated the need for a simplified version of the report and requested that the City considers providing a maintenance plan of the Downtown features.

ACTION TAKEN: A motion was made by Vice-Chair Pozzetta, seconded by Member Gass, to continue HDC case 2024-0026 to a date certain of February 20, 2025.

Vote upon passage of the motion was taken by ayes and nays, and being all ayes, carried.

4.2 **HDC 2024-0033 - CITY OF FERNANDINA BEACH, 215 O'HAGAN LANE**
FINAL Certificate of Approval (COA) for the Amelia Island Lighthouse Restoration. *(Quasi-Judicial).*

Jeremiah Glisson, Deputy City Manager, introduced the Amelia Island Lighthouse Restoration project which includes 4 phases, and asked the Board to consider an approval to moving forward with Phase II which concerns the external façade of the structure. He confirmed that 3rd party Historic Architects Walker Consultants has provided the needs assessment and Specialty Property Group has been assigned as the contractor to perform the restoration work.

Member Psulkowski inquired about the granite treads being reparable. Mr. Glisson answered in the affirmative.

Member Gass asked if there was an understanding of annual maintenance costs. Mr. Glisson answered that the lighted portion is

maintained by the Florida Coast Guard and confirmed that there are funds budgeted for maintenance.

Chair Filkoff asked for more information about the history of the lighthouse and if the assessment mentioned that the structure had been moved in the past.

No Board Discussion took place.

ACTION TAKEN: A motion was made by Vice-Chair Pozzetta, seconded by Member Gass, to approve HDC case 2024-0033 as presented; AND that the HDC make the following findings of fact and conclusions of law part of the record: that the HDC case 2024-0033, as presented, is substantially compliant with the Comprehensive Plan, the Land Development Code, the Secretary of Interior Standards, and the Downtown Historic District Design Guidelines to warrant FINAL approval at this time.

Vote upon passage of the motion was taken by ayes and nays, and being all ayes, carried.

5. BOARD BUSINESS

6. STAFF REPORT

6.1 Old Town Road Conditions Survey Results: Dashboard Located at https://www.surveymonkey.com/stories/SM-8tJN8Btgo_2FBxVgEAmgJzdO_3D_3D/Link

Margaret Pearson provided insight into the results of the Old Town Road Conditions Survey.

At this point City Attorney Pro Tem Harrison Poole was excused at 5:56.

Chair Filkoff asked Mr. Glisson to answer questions about the double-chip seal and the permeability of the material and shared concerns about the quality of the survey results.

Mr. Glisson spoke of erosion issues and that increased maintenance could become a part of the solution.

Member Gass asked about alternative options that weren't listed on the survey. Mr. Glisson spoke of the challenges of dust vs. dirt.

Member Psulkowski asked for more information regarding the results of questions that aren't included in this summary of the survey.

Member Byrnes shared her thoughts on the survey results and agreed that, at this point, the City is doing the best that can be done.

Chair Filkoff asked if the Board would have any authority over what happens to the roads in Old Town. She then requested that Staff, Mr. Glisson along with Director Gibson, who wasn't present at the meeting, to advise the residents of Old Town on the survey results and on possible solutions available to help alleviate some of their challenges. Mr. Glisson noted that he, along with Mrs. Gibson, will be available to help Old Town residents with their concerns.

6.2 Downtown Utility Box Wraps - Main Street Design Council

Lisa Finkelstein, Executive Director for Fernandina Beach Main Street, shared the idea of using wraps of historical photographs and maps to cover utility boxes in the Downtown District.

Chair Filkoff asked Ms. Finkelstein to clarify the allowability of murals in the Historic District. Ms. Finkelstein answered that murals are allowed in the Main Street corridor located outside of the Historic District, such as in this case in the 8th Street corridor. She also noted that Main Street is currently looking into developing a mural program.

Chair Filkoff then addressed Staff and questioned 2 murals located within the Historic District, which according to a local ordinance, are not permitted.

Member Byrnes clarified with Ms. Finkelstein that this project will continue along 8th Street. Ms. Finkelstein concurred.

6.3 Approved Staff Certificates of Approval (COA) - December 2024

The Board inquired about the approved COA for 19 N. 6th Street regarding window sashes replacement. Staff will provide back-up documentation directly to the Board.

6.4 Front Street Fence Extension - Same style as fencing on Front Street between Ash Street and Centre Street

Jacob Platt, City Project Coordinator, introduced the proposal to extend the 4-foot aluminum fence 400 feet from Alachua Street north to Broome Street, once the Alachua Street renovations are completed.

Member Byrnes asked if there was a sidewalk that goes along with this fencing project. Mr. Platt answered that although the sidewalk is not part of this project, the City is considering adding sidewalks at a later date, to Alachua and eventually to Broome Street.

Chair Filkoff asked for more information about the approval of the initial installation of the fence and that Planning Staff look further into its history. She then asked for the timeline of this project. Mr. Platt answered that this project is scheduled to be completed before May 2025. Lastly, Chair Filkoff asked Planning Staff to plan further Board discussions regarding Staff approval of fences and asked Mr. Platt to return to the Board for final approval of this project.

7. PUBLIC COMMENT

No members of the public wished to speak at this time.

Member Byrnes expressed that she is excited about the Downtown Streetscape Revitalization Project and shared that she wishes it would continue beyond 8th Street all the way to 11th Street.

Member Psulkowski added that he hopes that businesses in the Downtown Historic District are made well-aware of the disruptions that will occur during the Downtown Streetscape update.

Chair Filkoff asked the Board if they would be amenable to consider eliminating the alternate member status from the Board and have the Historic District Council composed of 7 voting members.

Chair Filkoff also shared that she has been researching the history of the Peck Center and discovered that it has never been officially added to the National Register of Historic Places. She asked that the Planning Staff make it a priority to file the required paperwork to apply. She also asked about the possibility of recognizing the original residence of Dr. Peck, founder of Peck High School, as it is still standing at the S.E. corner of Cedar Street and S. 9th Street.

8. ADJOURNMENT 6:47 PM

_____ _____

Morgan Ohlendorf, Recording Secretary Arlene Filkoff, Chair

Print

Historic District Council (HDC) Certificate of Approval (COA) Application - Submission #15323

Date Submitted: 1/9/2025

HISTORIC DISTRICT COUNCIL (HDC): CERTIFICATE OF APPROVAL (COA) APPLICATION

USE THIS FORM TO Apply for BOARD approval for projects in the Downtown or Old Town Historic District or the Community Redevelopment Area (CRA) AND STAFF-LEVEL review for EXTERIOR PAINT and INSTLLATION OF PERVIOUS PAVERS projects ONLY.

NOTE: All other STAFF-LEVEL approvals (i.e, fence, right-of-way, roof) and smaller STAFF-LEVEL project reviews can be submitted with your building permit where reviews will be performed and cost will be assessed simultaneously.

Fees

- ☐ Certificate of Approval (COA): Staff Review $25
- ☑ Certificate of Approval (COA): Board Review - Residential Single Family) $250
- ☐ Certificate of Approval (COA): Board Review - Commercial/Multi-Family/2 or more Residential Units/Mixed Use $400
- ☐ Demolition of a Primary Structure – Non-Contributing $1,500
- ☐ Demolition of a Primary Structure – Contributing $7,500
- ☐ After-the-Fact Certificate of Approval (COA): Staff Review $100
- ☐ After-the-Fact Certificate of Approval (COA): Board Review $1,500
- ☐ Amendment to Previously Approved COA - First Amendment Free, Subsequent Amendments = 1/2 cost of original fees

Basis for Review

All applications, whether Staff or Board review, are reviewed for consistency with the City of Fernandina Beach Comprehensive Plan, Land Development Code, and applicable guidelines such as the Downtown Historic District Design Guidelines, Old Town Fernandina Preservation and Development Guidelines, and the Community Redevelopment Area (CRA) Design Guidelines. Guidelines for the Historic Districts are based on the U.S. Secretary of the Interior's Standards for Rehabilitation.

2025 Submission Deadlines + Board Meetings Calendar

Application Deadline (4:30pm)	Nov 07 2024	Dec 05 2024	Jan 09 2025	Feb 06 2025	Mar 06 2025	Apr 03 2025	May 08 2025	June 05 2025	July 10 2025	Aug 07 2025	Sep 04 2025	Oct 09 2025	Nov 06 2025	Dec 04 2025
Meeting Date	Dec 19 2024	Jan 16 2025	Feb 20 2025	Mar 20 2025	Apr 17 2025	May 15 2025	June 26 2025	July 17 2025	Aug 21 2025	Sep 18 2025	Oct 16 2025	Nov 20 2025	Dec 18 2025	Jan 15 2026

In observance of Juneteenth on June 19, the HDC meeting is moved up to June 26.

IMPORTANT NOTES

Conceptual Approvals

Conceptual approvals are provided by the HDC as a courtesy to the applicant in an effort to allow comment from the Historic District Council and citizens during the conceptual design process. The HDC will provide the applicant with feedback and guidance relating to the proposal and take a vote to indicate whether the board feels the proposal is adequately appropriate to proceed. In all cases, the applicant must return to the HDC to seek final approval of their projects. There is no additional fee for this review above the Certificate of Approval fee.

Pre-Application Meeting

To guide you through the process and to ensure that your application is properly processed, you'll need to meet with the Preservation Planner prior to submitting your application. The application must be submitted at least 42 days before the scheduled meeting to allow time for review. Staff approval applications are accepted on a rolling basis and are generally completed in 3-5 days. Please note that projects can only begin after receiving a Certificate of Approval (COA) and a building, sign, right-of-way, or zoning permit (if required).

Application Requirements

Please be sure to upload all necessary documents pertaining to your COA request to your COA application or permit application.

- ☑ A complete/ signed application;
- ☑ Proof of Ownership (copy of deed or tax statement);
- ☑ A current survey of the property, for new construction and any change to existing footprint. (no older than two years);
- ☑ Scaled elevations & plans;
- ☑ Photographs;
- ☑ Any additional backup materials, as necessary;
- ☑ If applying as an agent, Owner's Authorization for Agent Representation form must be signed/ notarized and submitted as part of the application;
- ☑ For window replacement, a Window Survey must be completed.

Please see the Land Development Code (LDC) for detailed information:

- ☑ Historic District Overlays – see LDC Section 8.01.01
- ☑ Specific Requirements within the OT-1 and OT-2 Zoning Districts – see LDC Section 8.01.01.02
- ☑ Amelia River Waterfront Community Redevelopment Area – see LDC Section 8.01.02
- ☑ Application Process for Certificate of Approval – see LDC Section 8.03.03
- ☑ Signage in the Historic Districts and Community Redevelopment Area – see LDC Section 8.01.03
- ☑ Requirements for Demolition Applications – see LDC Section 8.03.03.01
- ☑ Appeals - see LDC Section 8.03.09

The LDC is Available for Review at

www.fbfl.us/LDC

Appeals

An applicant may appeal the HDC's decision for variances to a court of record as outlined in LDC Section 10.02.04(D). The petition shall be presented to within thirty (30) days after the decision of the HDC; otherwise the decision of the HDC will be final.

PROJECT TYPE*

Addition

APPROVAL TYPE*

Board Approval: Final

See Certificate of Approval Matrix for details

Previously Approved Case #

HDC YYYY-##

Have you met with a planner for a pre-application meeting?*

No

What was the date of your pre-application meeting?*

mm/dd/yyyy

Please apply for a required pre-application meeting using the following link:

HDC Pre-Application Meeting Request

PROPERTY INFORMATION

Property information can be found at the Nassau County Property Appraiser's website → Map Search

Historic District*

Downtown

Site Address*

232 S 7TH ST FERNANDINA BEACH 32034

City*

Fernandina Beach

State*

FL

Zip Code*

32034

Parcel ID #(s)*

00-00-31-1800-0040-0042

Do you authorize the installation of a temporary City notice sign on your property?*

YES

City posting sign must remain on the property until the meeting is held. The sign will then be picked up by City Staff or can be returned to City Hall by the applicant.

OWNER OF RECORD

As recorded with the Nassau County Property Appraiser

First Name*

STACY & ROBERT

Last Name*

MCKENZIE

Mailing Address*

232 S 7TH ST FERNANDINA BEACH 32034

City*

AMELIA ISLAND

State*

FL

Zip Code*

32034

Telephone Number*

9044910072

E-mail Address*

MHAKINS@RICEARCHITECT.COM

OWNER'S AGENT

If other than owner. If an agent will be representing the owner, an Owner's Authorization For Agent Representation form must be included

Is there an agent other than the owner representing this project?*

Yes

First Name*

MARK

Last Name*

AKINS

Company (if applicable)

RICE ARCHITECT

Street Address

961687 GATEWAY BLVD SUITE 201H

City

AMELIA ISLAND

State

FL

Zip

32034

Telephone Number

9044910072

E-mail Address

MHAKINS@RICEARCHITECT.COM

Project Description*

1. NEW REAR YARD PAVED PATIO W/REAR ENTRY
2. REMOVAL OF EXISTING GARAGE
3. NEW 352 S.F. GARAGE
4. NEW 338 S.F. COND. SPACE
5. NEW COVERED PORCH 100S.F.

Describe the proposed project in terms of size, affected architectural elements, materials, and relationship to the existing structure(s).

Design Vision Statement*

The design will preserve all elements of the existing home while ensuring that the new additions are subtly distinguishable and complementary to the historic structure.

For New Construction: Please write a brief design statement explaining the architectural style of your project; what its design draws inspiration from; and how it is architecturally compatible with the surrounding historic neighborhood.

Requirements for Demolition Applications

Per LDC 8.03.03.01

1. Does the structure or site meet national, state, or local criteria for designation?

2. Is the structure or site a contributing structure or site to a locally designated or National Register historic district?

3. Would the loss of the structure or site deteriorate the quality or continuity of the historic district, or the surrounding neighborhood?

4. Is the structure or site is of such design, craftsmanship, or material that it could be reproduced only with great difficulty and/or expense?

5. Is the structure or site one of the last remaining examples of its kind in the neighborhood, county or region, or is a distinctive example of an architectural or design style which contributes to the character of the district?

6. Would the removal of the structure or site destroy the historic relationship between structures or open space?

7. Would retention of the structure or site promotes the general welfare of the City by providing an opportunity for study of local history, architecture, and design, or by developing an understanding of the importance and value of a particular culture and heritage?

8. Have the applicants made good faith efforts to pursue alternatives to demolition?

9. Will the applicant be denied a reasonable return on his or her investment

10. Is there an economic hardship for the applicant as demonstrated by requirements in Section 8.03.06?

11. Has the Code Enforcement and Appeals Board has recommended demolition of the structure?

MATERIALS

List all proposed materials and colors, as applicable

EXTERIOR FABRIC

Manufacturer	Product Description	Color
		(Name/Number)

DOORS

Manufacturer	Product Description	Color
ANDERSEN	400 SERIES	
	Include FL Product Approval # for Windows and Doors	(Name/Number)

WINDOWS

Manufacturer	Product Description	Color
ANDERSEN	400 SERIES	
	Include FL Product Approval # for Windows and Doors	(Name/Number)

ROOFING

Manufacturer	Product Description	Color
METAL ROOF TO MATCH EXIST		RED
		(Name/Number)

FASCIA/TRIM

Manufacturer	Product Description	Color
MATCH EXIST		
		(Name/Number)

FOUNDATION

Manufacturer	Product Description	Color
MATCH EXIST		
		(Name/Number)

SHUTTERS

Manufacturer	Product Description	Color
N/A		
		(Name/Number)

PORCH/DECK

Manufacturer	Product Description	Color
N/A		
		(Name/Number)

FENCING

Manufacturer	Product Description	Color
MATCH EXIST		(Name/Number)

DRIVEWAYS/SIDEWALKS

Manufacturer	Product Description	Color
		(Name/Number)

SIGNAGE

Manufacturer	Product Description	Color
		(Name/Number)

OTHER

Manufacturer	Product Description	Color
		(Name/Number)

Please upload supplemental documentation and all product brochures, paint color samples, etc.

Upload 1	Upload 2	Upload 3	Upload 4
25.pdf	00-00-31-1800-0040-0042.pdf	232 S 7TH SURVEY.pdf	AGENT AUTH .PDF

Upload 5	Upload 6	Upload 7	Upload 8
Choose File No fi…sen	Choose File No fi…sen	Choose File No fi…sen	Choose File No fi…sen

Certification*

- [x] By signing below, I certify that the information contained in this application is true and correct to the best of my knowledge at the time of the application.
- [x] I acknowledge that I understand and have complied with all of the submittal requirements and procedures and have read and understand the following:
- [x] I AGREE THAT A POSTING NOTICE WILL BE INSTALLED ON THE PROPERTY(IES) IN QUESTION AND THAT SAID SIGN WILL ONLY BE REMOVED BY STAFF AFTER THE MEETING OR BROUGHT BACK TO CITY HALL BY APPLICANT.

1. I/We hereby attest to the fact that the above supplied property address(es), parcel number(s) and legal description(s) is (are) the true and proper identification of the area of this petition.

2. I/We authorize staff from the Department of Planning & Conservation to enter onto the property in question during regular city business hours in order to take photos which will be placed in the permanent file.

3. I/We understand that the COA review time period will not commence until the application is deemed complete by staff and may take up to 10 days to process. I further understand that an incomplete application submittal may cause my application to be deferred to the next posted deadline date.

4. I/We understand that, for Board review cases, an agenda and staff report will be available on the City's website approximately one week before the Historic District Council meeting.

5. I/We understand that the Historic District Council meetings are conducted in a quasi-judicial hearing and as such, ex-parte communications are prohibited (Communication about your project with a Historic District Council member).

6. I/We understand that the approval of this application by the Historic District Council or staff in no way constitutes approval of a Building Permit for construction from the City of Fernandina Beach Building Department.

7. I/We understand that all changes to the approved scope of work stated in a COA have to be approved by the HDC before work commences on those changes. There will be no charge for a revision to a COA. Making changes that have not been approved can result in a Stop Work Order being placed on the entire project and/or additional fees/penalties.

8. I/We understand that any decision of the HDC may be appealed to the City Commission, with the exception of variances, which may be appealed to a court of record as outlined in Section 10.02.04(D) of the Land Development Code. Petitions to appeal shall be presented within thirty (30) days after the decision of the HDC; otherwise the decision of the HDC will be final.

9. I/We understand that Certificates of Approval are only valid for one (1) year from issuance. They are renewable for six months without cause, and for an additional six months, upon showing of good cause by the applicant. The applicant must submit all requests for extensions in writing and provide appropriate support documentation, if needed.

10. I/We understand that the City Staff will install a Notice of Hearing sign on the property 14 days before the scheduled heating and that the sign must only be removed after the hearing by City Staff, unless, the applicant or property owner brings the Notice of Hearing back to City Hall.

Applicant First Name*

MARK

Applicant Last Name*

AKINS

Today's Date*

1/9/2025

DEPARTMENT OF PLANNING & CONSERVATION

204 Ash Street | Fernandina Beach Florida 32034 | 904 310-3480 |
www.fbfl.us/planning

Please make sure to disable pop-up blocker in order to submit.

BLOCK 40 S1/2 OF LOT 4
CITY OF FDNA BEACH

MCKENZIE STACY HUNTER & ROBERT IRVIN
232 S 7TH ST
FERNANDINA BEACH, FL 32034

2024

00-00-31-1800-0040-0042

BUILDING CHARACTERISTICS

ELEMENT	CD	CONSTRUCTION
Exterior Wall	05	AVERAGE 100
Roof Structur	03	GABLE/HIP 100
Roof Cover	12	MODULAR MT 100
Interior Wall	03	PLASTER 80
Interior Wall	05	DRYWALL 20
Interior Floo	12	HARDWOOD 100
Air Condition	03	CENTRAL 100
Heating Type	04	AIR DUCTED 100
Bedrooms		3 100
Bathrooms		3 100
Frame	02	WOOD FRAME 100
Stories	1.	1. 100
Units		0 100
BUD8 Adjustme	02	DIST FB 100
Occupancy	00	NONE 100
Quality	05	Quality Level 05
DOR CODE	0100	SINGLE FAMILY

MAP NUM | MKT AREA 01

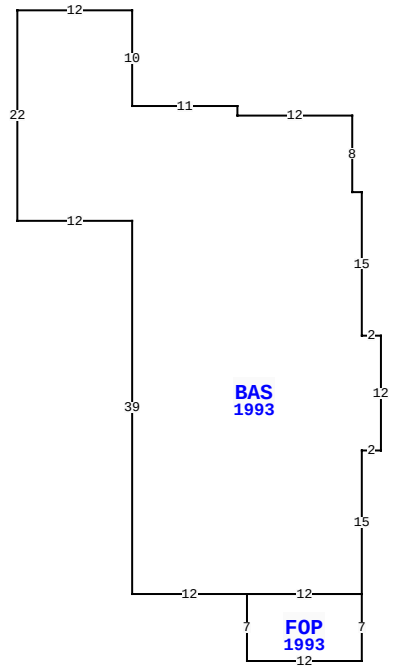
NEIGHBORHOOD/LOC 1005.00

AREA TYPE	TOTAL GROSS AREA	PCT OF BASE	TOT ADJ AREA	SUBAREA MARKET VALUE
BAS	1,491	100	1,491	247,186
FOP	84	30	25	4,145
TOTALS	1,575		1,516	251,330

MARKET ADJUSTMENTS

TYPE	MDL	EFF. AREA	TOT ADJ PTS	EFF. BASE RATE	REPL. COST NEW	AYB	EYB	ECON	FNCT		NORM	% COND
0900	01	1,516	133.9668	167.46	253,869	1920	2020	0	0	0	1.00	99.00

1 SNGL FAM – 0% - 2023 Heated Area: 1491 HX Base Yr



232 S 7TH ST, FERNANDINA BEACH

BLD DATE		LGL DATE	
XF DATE		LAND DATE	
INC DATE		AG DATE	

NASSAU COUNTY PROPERTY

PAGE 1 of 1 2

VALUATION SUMMARY

VALUATION BY	STANDARD
Tax Group: 2	Tax Dist:
BUILDING MARKET VALUE	251,330
TOTAL MARKET OB/XF VALUE	7,280
TOTAL LAND VALUE - MARKET	200,000
TOTAL MARKET VALUE	458,610
SOH/AGL Deduction	0
ASSESSED VALUE	458,610
TOTAL EXEMPTION VALUE	0
BASE TAXABLE VALUE	458,610
TOTAL JUST VALUE	458,610
NCON VALUE	64,931
INCOME VALUE	
PREVIOUS YEAR MKT VALUE	386,865

PERMIT NUM	DESCRIPTION	AMT	ISSUED
20230097	FULL REMDL	250,000	02/22/2023
20220112	REMODEL	0	10/11/2022
20122523	HEAT PUMP REPLACE	4,000	12/17/2012
20040879	RAMP HANDICAP	1,000	05/10/2004
9357	REPAIR/RRF	3,800	10/12/1995

SALES DATA

OFF RECORD Number	DATE	TYPE INST	Q / U	V / I	RSN CD	SALE PRICE
2719/1746	6/20/2024	WD	Q	I	01	1,100,000
GRANTOR: WEBER KAREN L						
GRANTEE: MCKENZIE STACY HUNT						
2563/1345	5/17/2022	SW	Q	I	01	485,000
GRANTOR: STILLWELL BILLIE DORO						
GRANTEE: WEBER KAREN L & AND						

BUILDING NOTES

BUILDING DIMENSIONS

BAS=[YR=1993] W1 N8 W12 N1 W11 N10 W12 S22 E12 S39 E12
FOP=[YR=1993] S7 E12 N7 W12 $ E12 N15 E2 N12 W2 N15 $.

EXTRA FEATURES

LN	OB/XF CODE	DESCRIPTION	BLD	CAP	L	W	UNITS	UT	Adj R	ADJ UNIT PRICE	ORIG COND	YEAR ON	YEAR ACTUAL	Q	% COND	OB/XF MKT VALUE	NOTES
1	0510	GARAGE WD-	0	0	18	18	324.00	SF	35.00	35.00	100	1960	1960	3	20	2,268	
5	0810	CONCRETE A	0	0	0	0	200.00	SF	6.50	6.50	100	1960	1960	3	20	260	
8	1127	BRICK 8"	0	0	0	0	432.00	SF	11.00	11.00	100	2024	2023		100	4,752	

LAND DESCRIPTION

TOTAL OB/XF 7,280

LN	USE CODE	CLS	LAND USE DESCRIPTION	CAP	RD	LOC ZONE	FRONT	DEPTH	TOT LND UTS	UNIT TYPE	DT	DPTH FACT	% COND	TOT ADJ	UNIT PRICE	ADJ UNIT PRICE	LAND VALUE	OTHER ADJUSTMENTS AND NOTES	YEAR	DENSITY	DECL	FRZ	YR	CONSRV
1	000100	C	SFR	0	0003	R-2	50.00	100.00	50.00	FF		1.00	1.00	1.00	4,000.00	4,000.00	200,000							

REVIEW DATE 01/25/2024 BY TW Total Acres: 0.00 Total Land Value: 200,000 Market: 0 Agricultural: 0 Common: 200,000 PRINTED 08/06/2024 BY SYS

From: Robert McKenzie robertmckenzie77@gmail.com
Date: Aug 5, 2024 at 2:57:36 PM
To: Robert McKenzie robertmckenzie77@gmail.com

OWNER'S AUTHORIZATION FOR AGENT REPRESENTATION

I /WE STACY + ROBERT MCKENZIE
(print name of property owner(s))

hereby authorize: MARK AKins, RICE ARCHITECT LLC.
(print name of agent)

to represent me/us in processing an application for: HDC COA
(type of application)

on our behalf. In authorizing the agent to represent me/us, I/we, as owner/owners, attest that the application is made in good faith and that any information contained in the application is accurate and complete.

(Signature of owner) **(Signature of owner)**

STACY MCKENZIE — **(Print name of owner)**

Robert McKenzie — **(Print name of owner)**

STATE OF FLORIDA

COUNTY OF NASSAU

Sworn to (or affirmed) and subscribed before me by means of ☑ physical presence or ☐ online notarization, this 6th day of AUGUST, 2024, by STACY & ROBERT MCKENZIE

Tosha S. Byrd — Notary Public

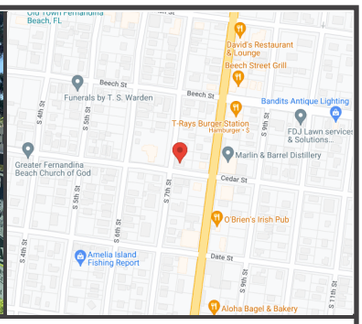
TOSHA S. BYRD — Printed Name

10-16-27 — My Commission Expires

Personally Known _____ OR Produced Identification ✓ ID Produced: FLDL

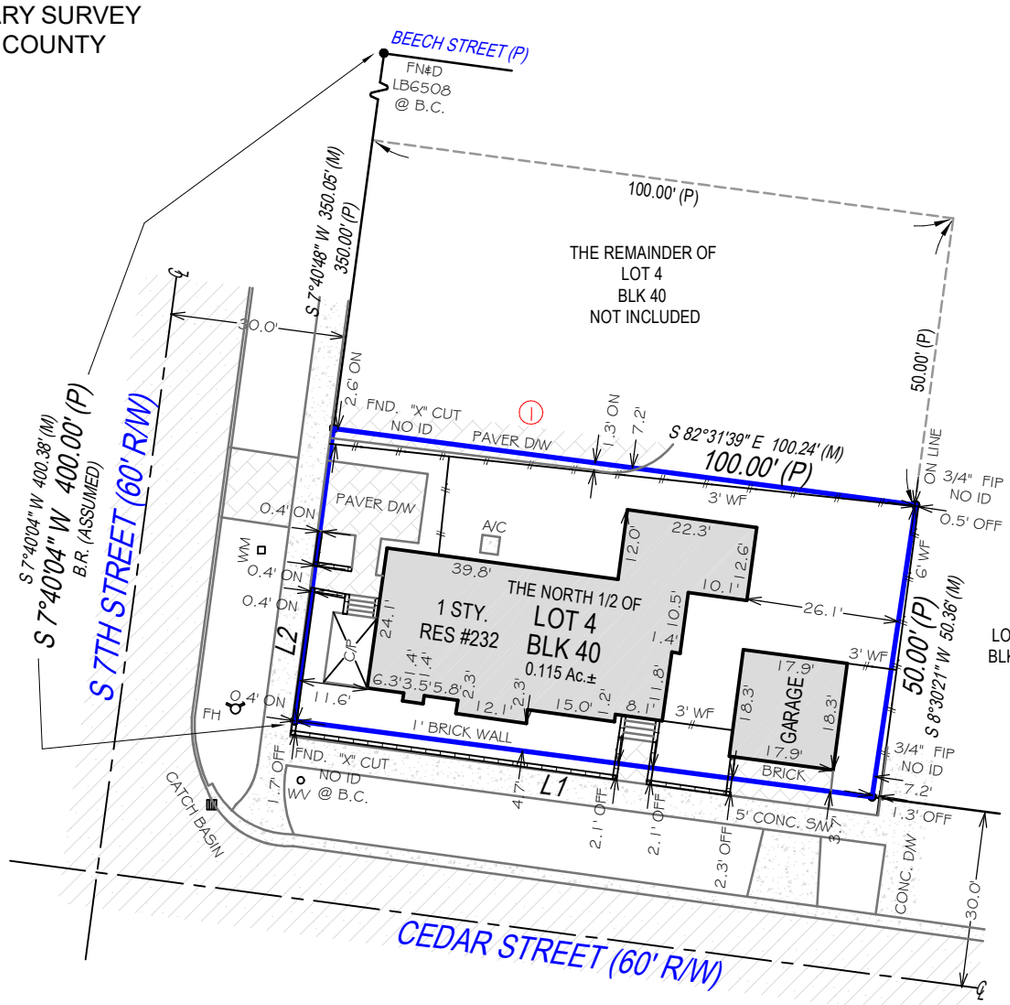
NOTARY PUBLIC
TOSHA S. BYRD
Notary Public, State of Florida
Commission# HH 454595
My comm. expires Oct. 16, 2027

SUMMER HOUSE REALTY



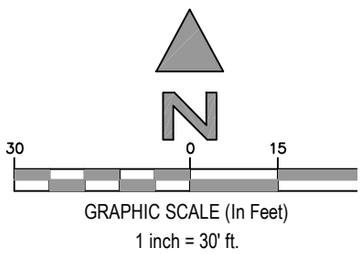
PROPERTY ADDRESS: 232 S 7TH STREET, FERNANDINA BEACH, FLORIDA 32034 **SURVEY NUMBER:** FL2405.6490

24056490
BOUNDARY SURVEY
NASSAU COUNTY



LINE TABLE:
L1 100.00' (P)
N 82°30'51" W 99.42' (M)
L2 50.00' (P)
N 7°34'56" E 50.33' (M)

SURVEYOR'S NOTES:
FENCE OWNERSHIP NOT DETERMINED.



SURVEYORS CERTIFICATION:

I hereby certify that this Survey of the lands described hereon was made under my direct supervision, and to the best of my knowledge and belief is a true and accurate representation of said lands and meets the Standards of Practice set forth in Chapter 5J-15.050 through 5J -15.053, Florida Administrative Code, pursuant to section 472.027, Florida Statutes. This survey is not valid without the signature and original raised seal of a Florida licensed surveyor and mapper, except when the electronic signature and seal of a Florida licensed surveyor and mapper is affixed hereto.

RAYMOND J. SCHAEFER
License Number LS 6132
STATE OF FLORIDA
PROFESSIONAL SURVEYOR & MAPPER

RAYMOND J. SCHAEFER
State of Florida Professional Surveyor and Mapper
License Number 6132
Exacta Land Surveyors, LLC | LB# 8291

POINTS OF INTEREST:
1. PAVER DRIVEWAY OVER PROPERTY LINE

EXACTA
Exacta Land Surveyors, LLC

Exacta Land Surveyors, LLC
LB# 8291
o: 866.735.1916 | f: 866.744.2882
131 West Broadway Street, Suite 1001, Oviedo, FL 32765

Florida Land Title Association
FLTA
AFFILIATE MEMBERS

DATE SIGNED: 06/17/24
FIELD WORK DATE: 6/13/2024
REVISION DATE(S): (REV.0 6/17/2024)

SEE PAGE 2 OF 2 FOR LEGAL DESCRIPTION

PROPERTY ADDRESS: 232 S 7TH STREET, FERNANDINA BEACH, FLORIDA 32034 **SURVEY NUMBER:** FL2405.6490

JOB SPECIFIC SURVEYOR NOTES:

THE ASSUMED BEARING REFERENCE OF SOUTH 7 DEGREES 40 MINUTES 04 SECONDS WEST IS BASED ON THE EASTERLY RIGHT-OF-WAY LINE OF S 7TH STREET, LOCATED WITHIN FERNANDINA ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK , PAGE OF THE PUBLIC RECORDS OF NASSAU COUNTY, FLORIDA.

LEGAL DESCRIPTION:

ALL OF THOSE CERTAIN LOTS, PIECES OR PARCELS OF LAND SITUATE, LYING AND BEING IN THE CITY OF FERNANDINA, COUNTY OF NASSAU, AND STATE OF FLORIDA, AND KNOWN AND DESCRIBED UPON THE PLATS OF THE SAID CITY OF FERNANDINA, LITHOGRAPHED AND ISSUED BY THE FLORIDA RAILROAD COMPANY IN 1857, AND ENLARGED, REVISED AND REISSUED BY THE FLORIDA TOWN IMPROVEMENT COMPANY IN 1887 AND 1901), AS ALL OF THE SOUTH HALF OF LOT NUMBERED FOUR (4),BLOCK FORTY (40) ALL BEING IN THE CITY OF FERNANDINA, NASSAU COUNTY, STATE OF FLORIDA.

GENERAL SURVEYOR NOTES:

1. The Legal Description used to perform this survey was supplied by others. This survey does not determine nor imply ownership of the lands or any fences shown hereon. Unless the Title Commitment Number is referenced on this survey, an examination of the abstract of title was NOT performed by the signing surveyor to determine which instruments, if any, are affecting this property.
2. The purpose of this survey is to establish the boundary of the lands described by the legal description provided and to depict the visible improvements thereon for a pending financial transaction. Underground footings, utilities, or other service lines, including roof eave overhangs were not located as part of this survey. Unless specifically stated otherwise the purpose and intent of this survey is not for any construction activities or future planning.
3. If there is a septic tank or drain field shown on this survey, the location depicted hereon was either shown to the surveyor by a third party or it was estimated by visual above ground inspection. No excavation was performed to determine its location.
4. This survey is exclusively for a pending financial transaction and only to be used by the parties to whom it is certified.
5. Alterations to this survey map and report by other than the signing surveyor are prohibited.
6. Dimensions are in feet and decimals thereof.
7. Any FEMA flood zone data contained on this survey is for informational purposes only. Research to obtain said data was performed at www.fema.gov and may not reflect the most recent information.
8. Unless otherwise noted "SIRC" indicates a Set Iron Rebar with a Cap stamped LB#8291, a minimum half inch in diameter and eighteen inches long.
9. If you are reading this survey in an electronic format, the information contained on this document is only valid if this document is electronically signed as specified in Chapter 5J17.062 (3) of the Florida Administrative Code and Florida Statute 472.025. The Electronic Signature File related to this document is prominently displayed on the invoice for this survey which is sent under separate cover. Manually signed and sealed logs of all survey signature files are kept in the office of the performing surveyor.
10. The symbols reflected in the legend and on this survey may have been enlarged or reduced for clarity. The symbols have been plotted at the approximate center of the field location and may not represent the actual shape or size of the feature.
11. Points of Interest (POI's) are select above-ground improvements, which may appear in conflict with boundary, building setback or easement lines, as defined by the parameters of this survey. These POI's may not represent all items of interest to the viewer. There may be additional POI's which are not shown or called-out as POI's, or which are otherwise unknown to the surveyor.
12. Utilities shown on the subject property may or may not indicate the existence of recorded or unrecorded utility easements.
13. The information contained on this survey has been performed exclusively by and is the sole responsibility of Exacta Land Surveyors, LLC. Additional logos or references to third party firms are for informational purposes only.
14. Pursuant to F.S. 558.0035, an individual employee or agent may not be held individually liable for negligence.
15. Due to varying construction standards, building dimensions are approximate and are not intended to be used for new construction or planning.

SURVEYOR'S LEGEND

LINETYPES	
	Boundary Line
	Center Line
	Chain Link or Wire Fence
	Easement
	Edge of Water
	Iron Fence
OHL	Overhead Lines
	Structure
	Survey Tie Line
	Vinyl Fence
	Wall or Party Wall
	Wood Fence
SURFACE TYPES	
	Asphalt
	Brick or Tile
	Concrete
	Covered Area
	Water
	Wood
SYMBOLS	
	Benchmark
	Center Line
	Central Angle or Delta
	Common Ownership
	Control Point
	Catch Basin

ELEV.	Elevation
	Fire Hydrant
	Find or Set Monument
	Guywire or Anchor
	Manhole
	Tree
	Utility or Light Pole
Ⓦ	Well

ABBREVIATIONS

(C) - Calculated
(D) - Deed
(F) - Field
(M) - Measured
(P) - Plat
(R) - Record
(S) - Survey
A/C - Air Conditioning
AE - Access Easement
ANE - Anchor Easement
ASBL - Accessory Setback Line
B/W - Bay/Box Window
BC - Block Corner
BFP - Backflow Preventer
BLDG - Building
BLK - Block
BM - Benchmark
BR - Bearing Reference
BRL - Building Restriction Line
BSMT - Basement
C - Curve
C/L - Center Line
C/P - Covered Porch
C/S - Concrete Slab
CATV - Cable TV Riser
CB - Concrete Block
CH - Chord Bearing
CHIM - Chimney
CLF - Chain Link Fence
CME - Canal Maintenance Easement
CO - Clean Out
CONC - Concrete
COR - Corner
CS/W - Concrete Sidewalk
CUE - Control Utility Easement
CVG - Concrete Valley Gutter
D/W - Driveway
DE - Drainage Easement
DF - Drain Field
DH - Drill Hole
DUE - Drainage & Utility Easement
ELEV - Elevation
EM - Electric Meter
ENCL - Enclosure
ENT - Entrance
EOP - Edge of Pavement
EOW - Edge of Water
ESMT - Easement
EUB - Electric Utility Box
F/DH - Found Drill Hole
FCM - Found Concrete Monument
FF - Finished Floor
FIP - Found Iron Pipe
FIPC - Found Iron Pipe & Cap
FIR - Found Iron Rod
FIRC - Found Iron Rod & Cap
FN - Found Nail
FN&D - Found Nail & Disc
FRRSPK - Found Rail Road Spike
GAR - Garage
GM - Gas Meter
ID - Identification
IE/EE - Ingress/Egress Easement
ILL - Illegible
INST - Instrument
INT - Intersection
IRRE - Irrigation Easement
L - Length
LAE - Limited Access Easement
LB# - License No. (Business)
LBE - Limited Buffer Easement
LE - Landscape Easement
LME - Lake/Landscape Maintenance Easement
LS# - License No. (Surveyor)
MB - Map Book
ME - Maintenance Easement
MES - Mitered End Section
MF - Metal Fence
MH - Manhole
MHWL - Mean High Water Line
NR - Non-Radial
NTS - Not to Scale
NAVD88 - North American Vertical Datum 1988
NGVD29 - National Geodetic Vertical Datum 1929
OG - On Ground
ORB - Official Records Book
ORV - Official Record Volume
O/A - Overall
O/S - Offset
OFF - Outside Subject Property
OH - Overhang
OHL - Overhead Utility Lines
OHWL - Ordinary High Water Line
ON - Inside Subject Property
P/E - Pool Equipment
PB - Plat Book
PC - Point of Curvature
PCC - Point of Compound Curvature
PCP - Permanent Control Point
PI - Point of Intersection
PLS - Professional Land Surveyor
PLT - Planter
POB - Point of Beginning
POC - Point of Commencement
PRC - Point of Reverse Curvature
PRM - Permanent Reference Monument
PSM - Professional Surveyor & Mapper
PT - Point of Tangency
PUE - Public Utility Easement
R - Radius or Radial
R/W - Right of Way
RES - Residential
RGE - Range
ROE - Roof Overhang Easement
RP - Radius Point
S/W - Sidewalk
SBL - Setback Line
SCL - Survey Closure Line
SCR - Screen
SEC - Section
SEP - Septic Tank
SEW - Sewer
SIRC - Set Iron Rod & Cap
SMWE - Storm Water Management Easement
SN&D - Set Nail and Disc
SQFT - Square Feet
STL - Survey Tie Line
STY - Story
SV - Sewer Valve
SWE - Sidewalk Easement
TBM - Temporary Bench Mark
TEL - Telephone Facilities
TOB - Top of Bank
TUE - Technological Utility Easement
TWP - Township
TX - Transformer
TYP - Typical
UE - Utility Easement
UG - Underground
UP - Utility Pole
UR - Utility Riser
VF - Vinyl Fence
W/C - Witness Corner
W/F - Water Filter
WF - Wood Fence
WM - Water Meter/Valve Box
WV - Water valve

CERTIFIED TO:

ROBERT & STACY MCKENZIE; WOOD & SMITH;

FLOOD ZONE INFORMATION:

BY PERFORMING A SEARCH WITH THE LOCAL GOVERNING MUNICIPALITY OR WWW.FEMA.GOV, THE PROPERTY APPEARS TO BE LOCATED IN ZONE X. THIS PROPERTY WAS FOUND IN CITY OF FERNANDINA BEACH, COMMUNITY NUMBER 120172, PANEL NUMBER 0237 DATED 8/2/2017.

DATE SIGNED: 06/17/24

BUYER: ROBERT & STACY MCKENZIE

LENDER:

TITLE COMPANY: WOOD & SMITH

COMMITMENT DATE: NOT REVIEWED **CLIENT FILE NO:**

SEE PAGE 1 OF 2 FOR MAP OF PROPERTY

PAGE 2 OF 2 - NOT VALID WITHOUT ALL PAGES

EXACTA
Exacta Land Surveyors, LLC

Exacta Land Surveyors, LLC
LB# 8291
o: 866.735.1916 | f: 866.744.2882
131 West Broadway Street, Suite 1001, Oviedo, FL 32765

MCKENZIE RES.

232 S 7TH ST, FERNANDINA BEACH, FL 32034

SCOPE OF WORK

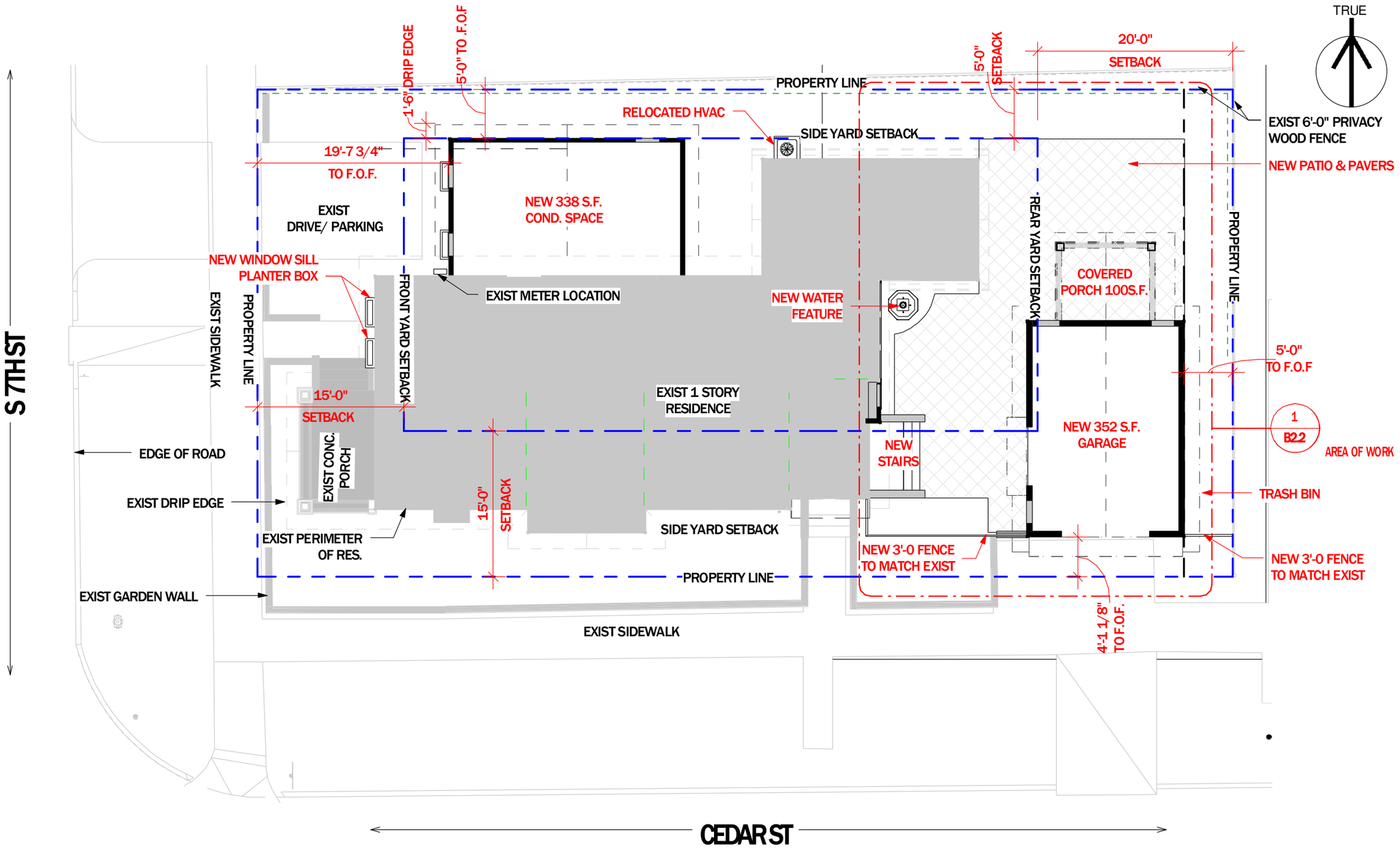
1. NEW REAR YARD PAVED PATIO W/REAR ENTRY
2. REMOVAL OF EXISTING GARAGE
3. NEW 352 S.F. GARAGE
4. NEW 338 S.F. COND. SPACE

OCCUPANCY GROUP: UNCHANGED
OCCUPANCY LOAD: UNCHANGED
FLOOD ZONE: X BFE: N/A
ZONING: R-2 ADJACENT ZONING: R-2
SETBACKS / FRONT: 15'-0" SIDE: 5'-0" REAR: 20'-0"
CONSTRUCTION TYPE: TYPE V COMBUSTIBLE MATL
LEVEL OF ALTERATION: 2
PROPOSED ELEV. OF 1st HABITABLE FLOOR: UNCHANGED
PROPOSED ELEV. OF GROUND SLAB: UNCHANGED
PROPOSED ELEV. OF ADJACENT GRADE: UNCHANGED
PROPOSED STRUCTURE HEIGHT: UNCHANGED
NUMBER OF STORIES: UNCHANGED
EXIST FOOTPRINT: 1,926
TOTAL BUILDING FOOTPRINT: 2,311 sf
TOTAL UNDER ROOF: 2,411 s.f.
TOTAL IMPERVIOUS SURFACE: 2,671 s.f.
SITE GROSS S.F.: 5,000 sf
PERCENT OF LOT COVERAGE: 53%

ARCHITECT

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034



PROPOSED - SITE PLAN

SCALE: 1" = 10'-0"

MCKENZIE RES.

ISSUE DATE: 01/09/2024

EXISTING IMPERVIOUS AREA:	1,926 S.F.
PROPOSED DEMOED IMPERVIOUS AREA:	-305 S.F.
PROPSOED IMPERVIOUS AREA:	790 S.F.
PROPOSED IMPERVIOUS AREA WITH IMPROVEMENTS, TOTAL:	2,411 S.F.

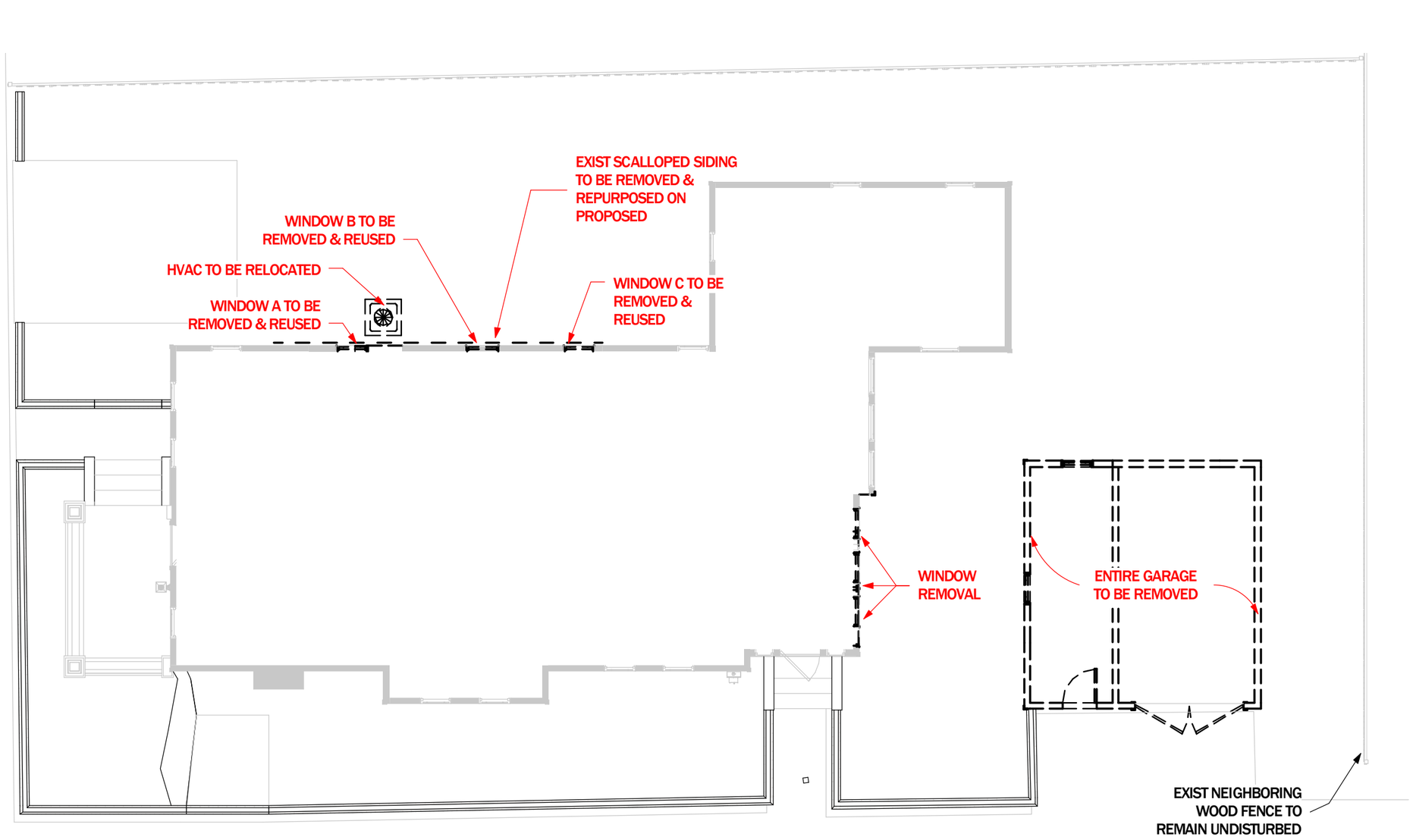
NOTE:
TEXT IN BLACK IS USED TO IDENTIFY EXISTING ITEMS
TEXT IN RED IS USED TO IDENTIFY NEW ITEMS

232 S 7TH ST, FERNANDINA BEACH, FL 32034

ARCHITECT

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034



DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

MCKENZIE RES.

ISSUE DATE: 01/09/2024

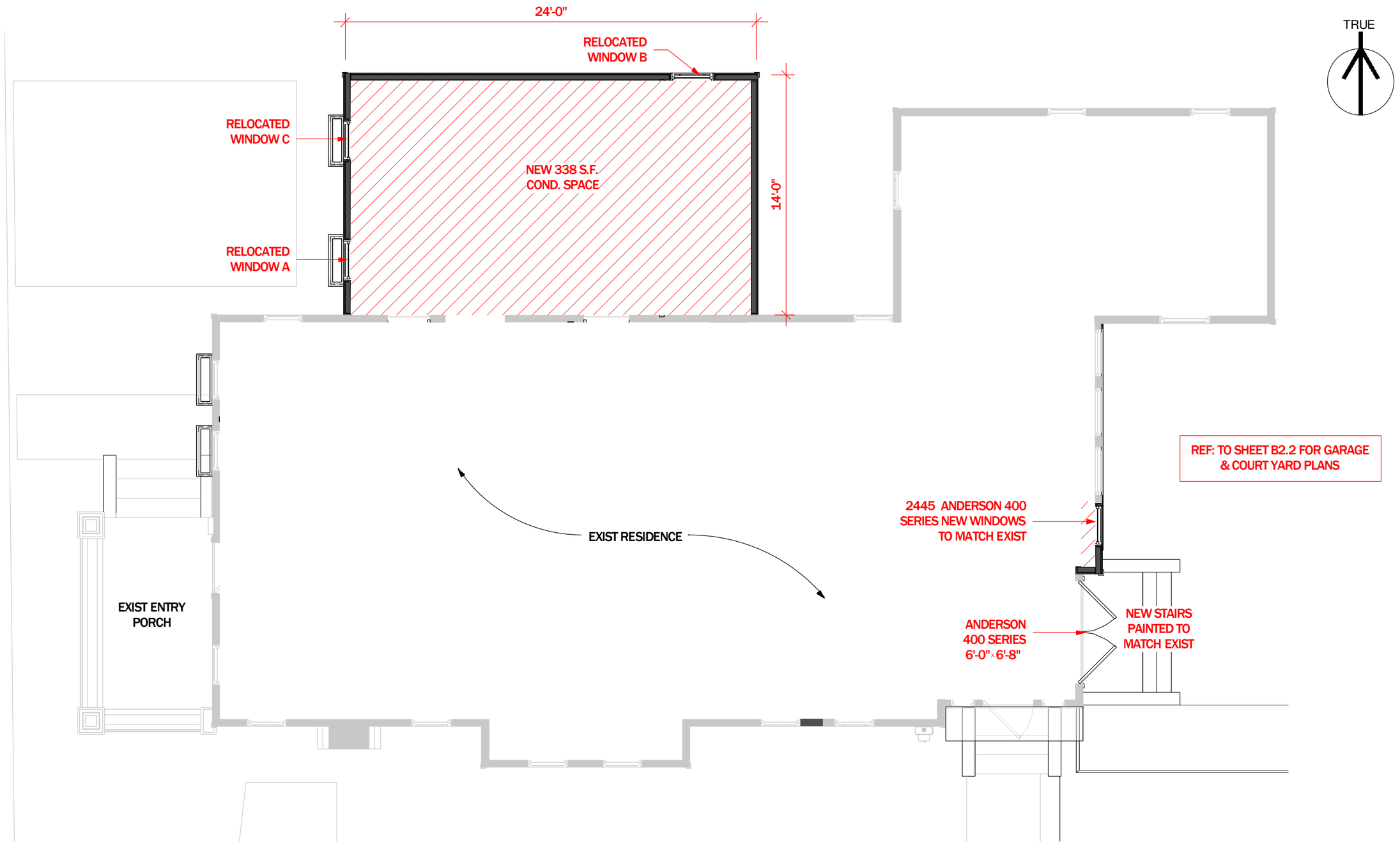
232 S 7TH ST, FERNANDINA BEACH, FL 32034

ARCHITECT

B2.0

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034



PROPOSED - FLOOR PLAN

SCALE: 3/16" = 1'-0"

MCKENZIE RES.

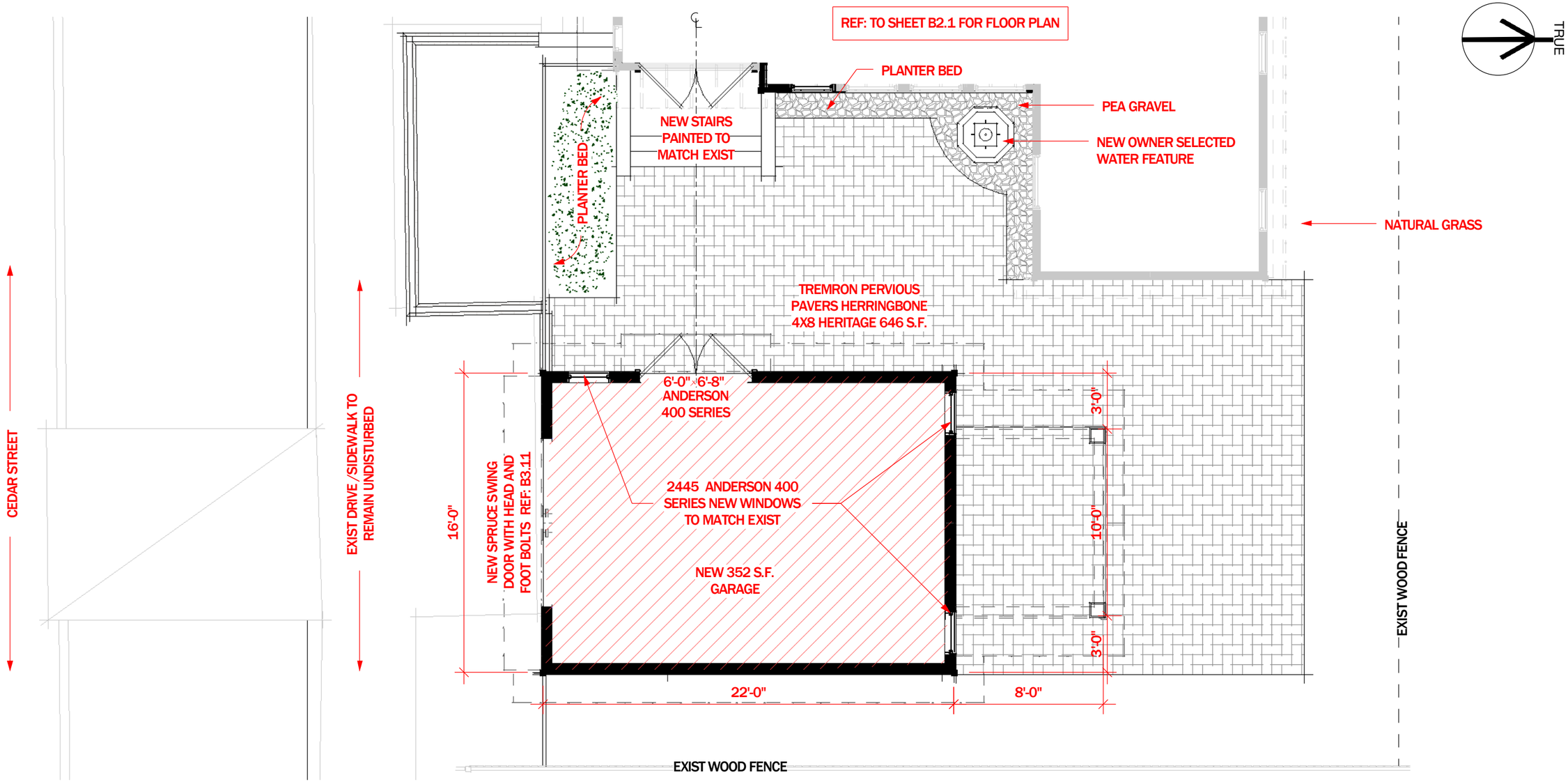
ISSUE DATE: 01/09/2024

ARCHITECT

232 S 7TH ST, FERNANDINA BEACH, FL 32034

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034



1 B2.2 ENLARGED PLAN @ GARAGE & REARYARD

SCALE: 3/16" = 1'-0"

MCKENZIE RES.

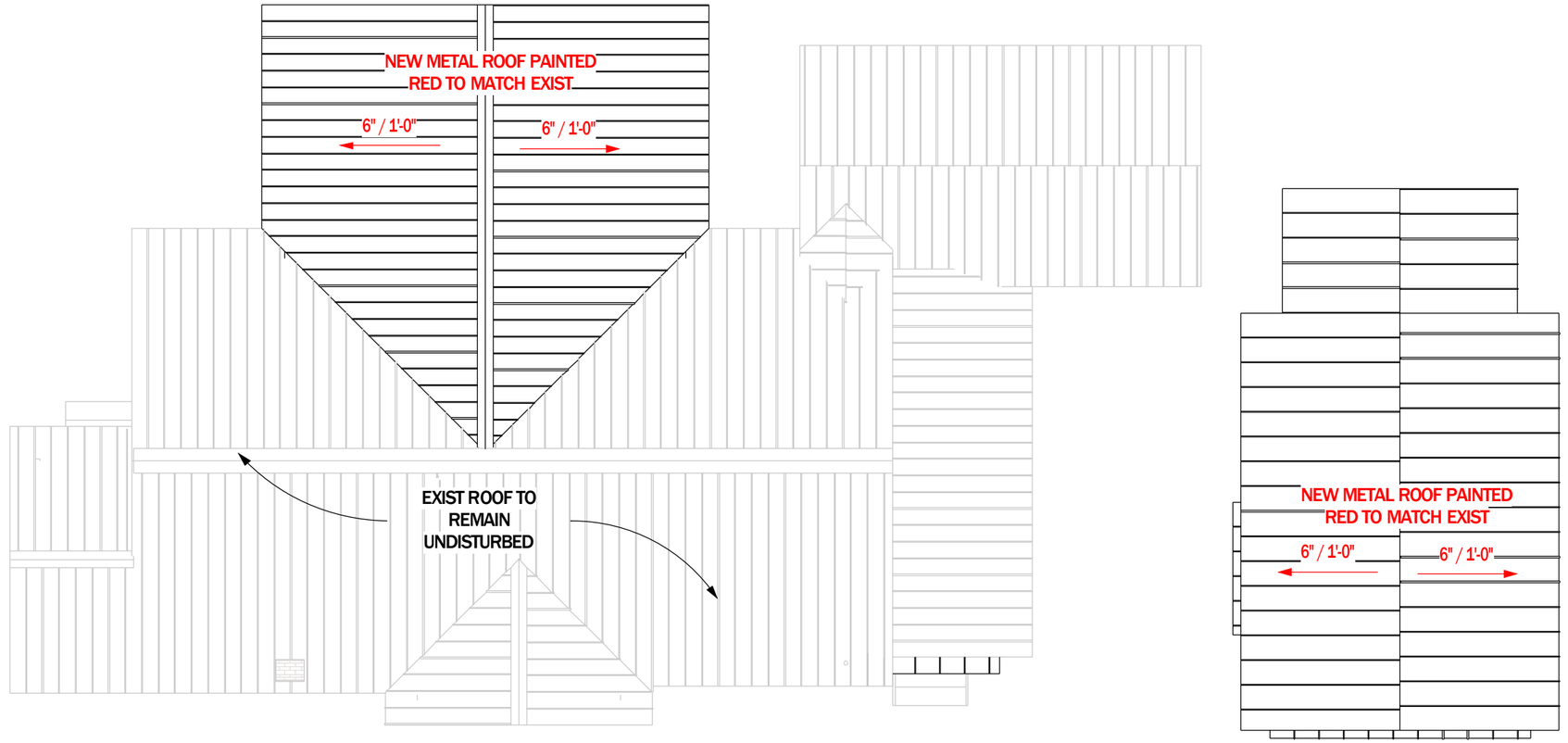
ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034



ROOF PLAN

SCALE: 1/8" = 1'-0"

MCKENZIE RES.

ISSUE DATE: 01/09/2024

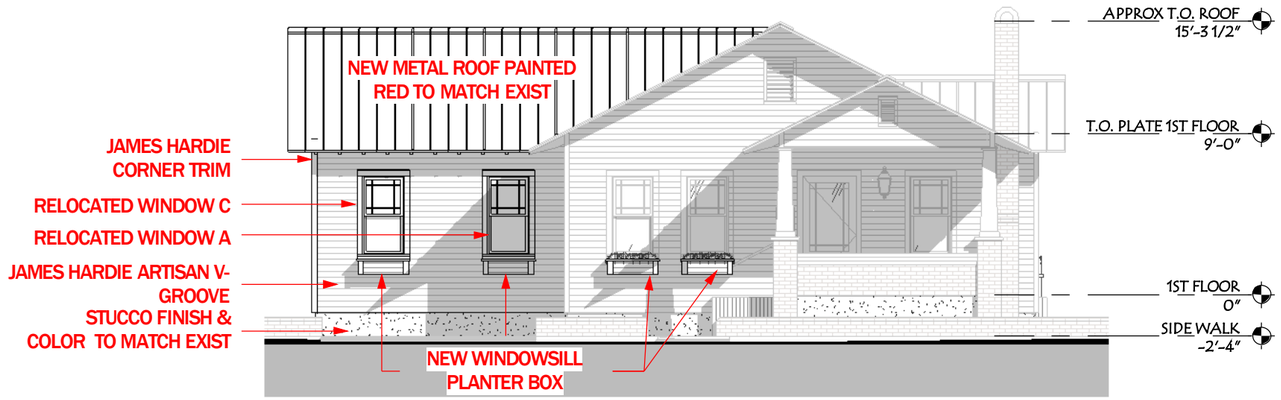
232 S 7TH ST, FERNANDINA BEACH, FL 32034

ARCHITECT

B2.3

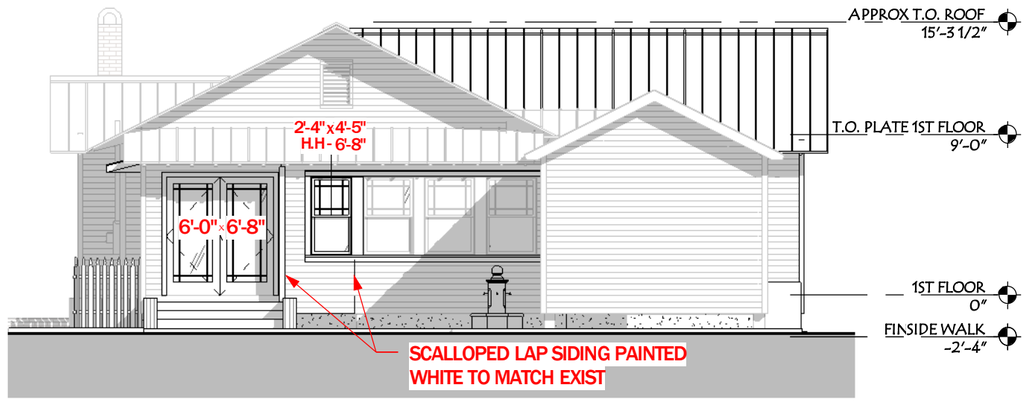
PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034



PROPOSED - WEST S 7TH ST ELEVATION

SCALE: 1/8" = 1'-0"



PROPOSED - WEST ELEVATION

SCALE: 1/8" = 1'-0"

MCKENZIE RES.

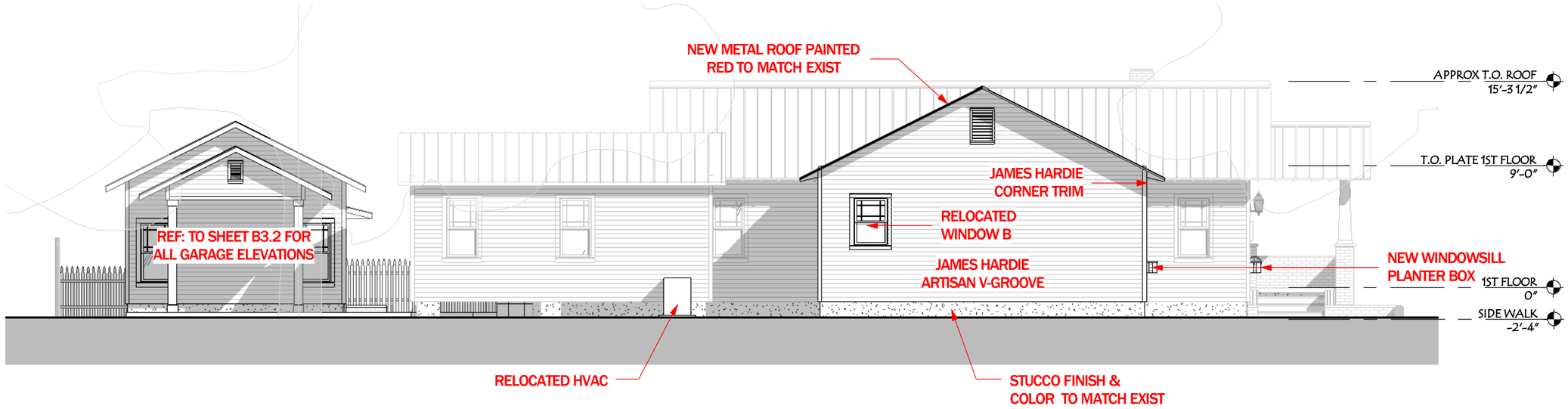
ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

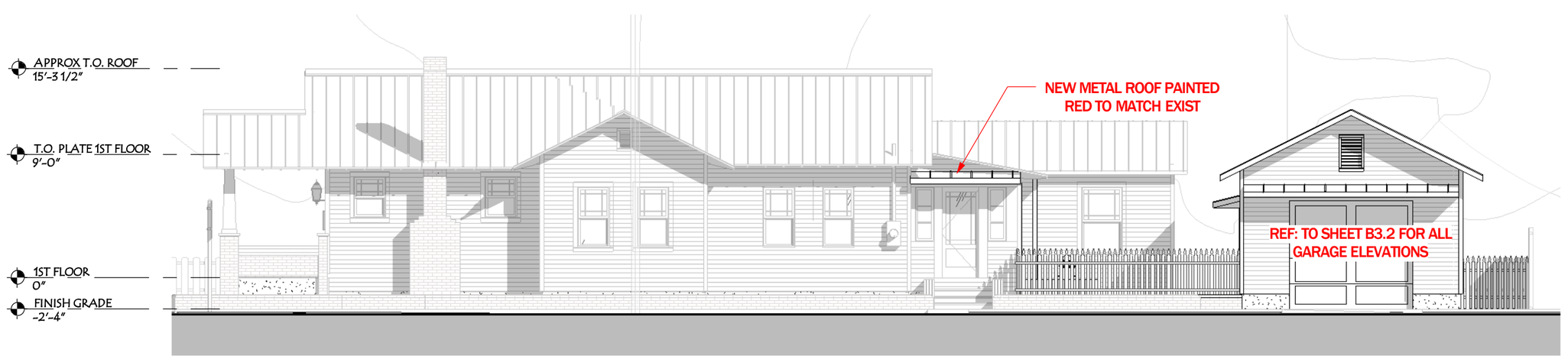
ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034



PROPOSED - NORTH ELEVATION

SCALE: 1/8" = 1'-0"



PROPOSED - CEDAR ST ELEVATION

SCALE: 1/8" = 1'-0"

MCKENZIE RES.

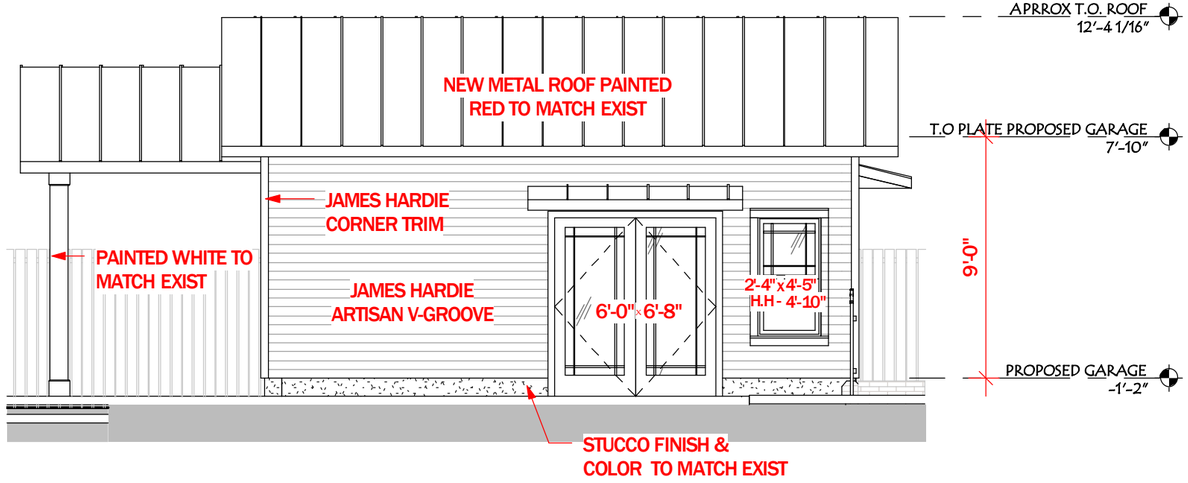
ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

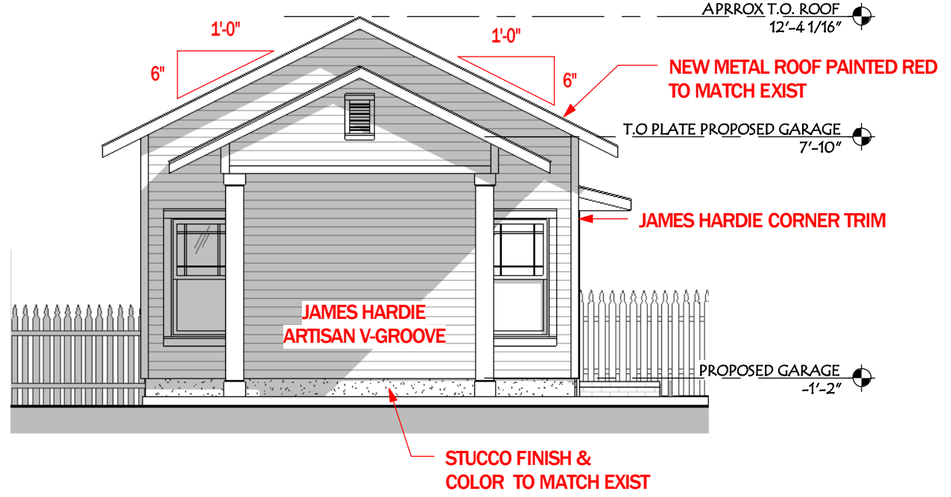
ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034



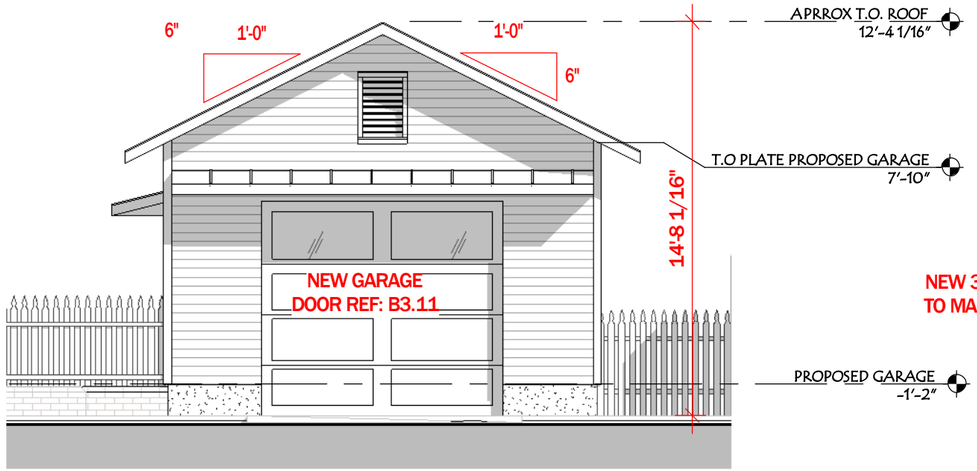
PROPOSED - WEST ELEVATION @ GARAGE

SCALE: 3/16" = 1'-0"



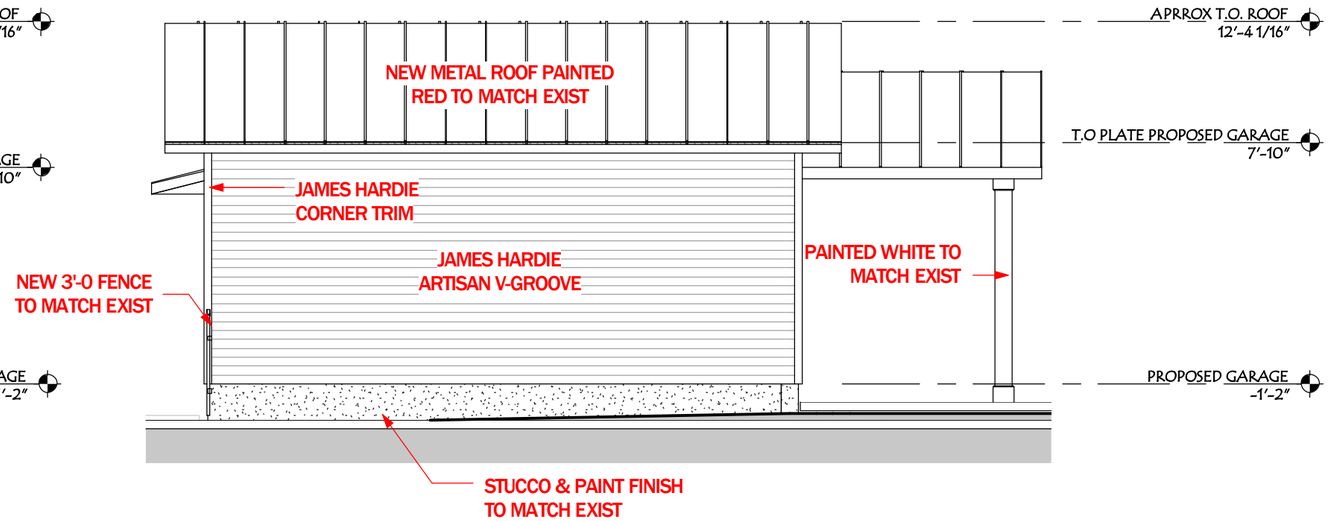
PROPOSED - NORTH ELEVATION @ GARAGE

SCALE: 3/16" = 1'-0"



PROPOSED - CEDAR ST ELEVATION @ GARAGE

SCALE: 3/16" = 1'-0"



PROPOSED - EAST ELEVATION @ GARAGE

SCALE: 3/16" = 1'-0"

MCKENZIE RES.

ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

ARCHITECT

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034

MCKENZIE RES.

ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

B3.4

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

RICE ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034

MCKENZIE RES.

ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034

MCKENZIE RES.

ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

B3.6

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034

MCKENZIE RES.

ISSUE DATE: 01/09/2024

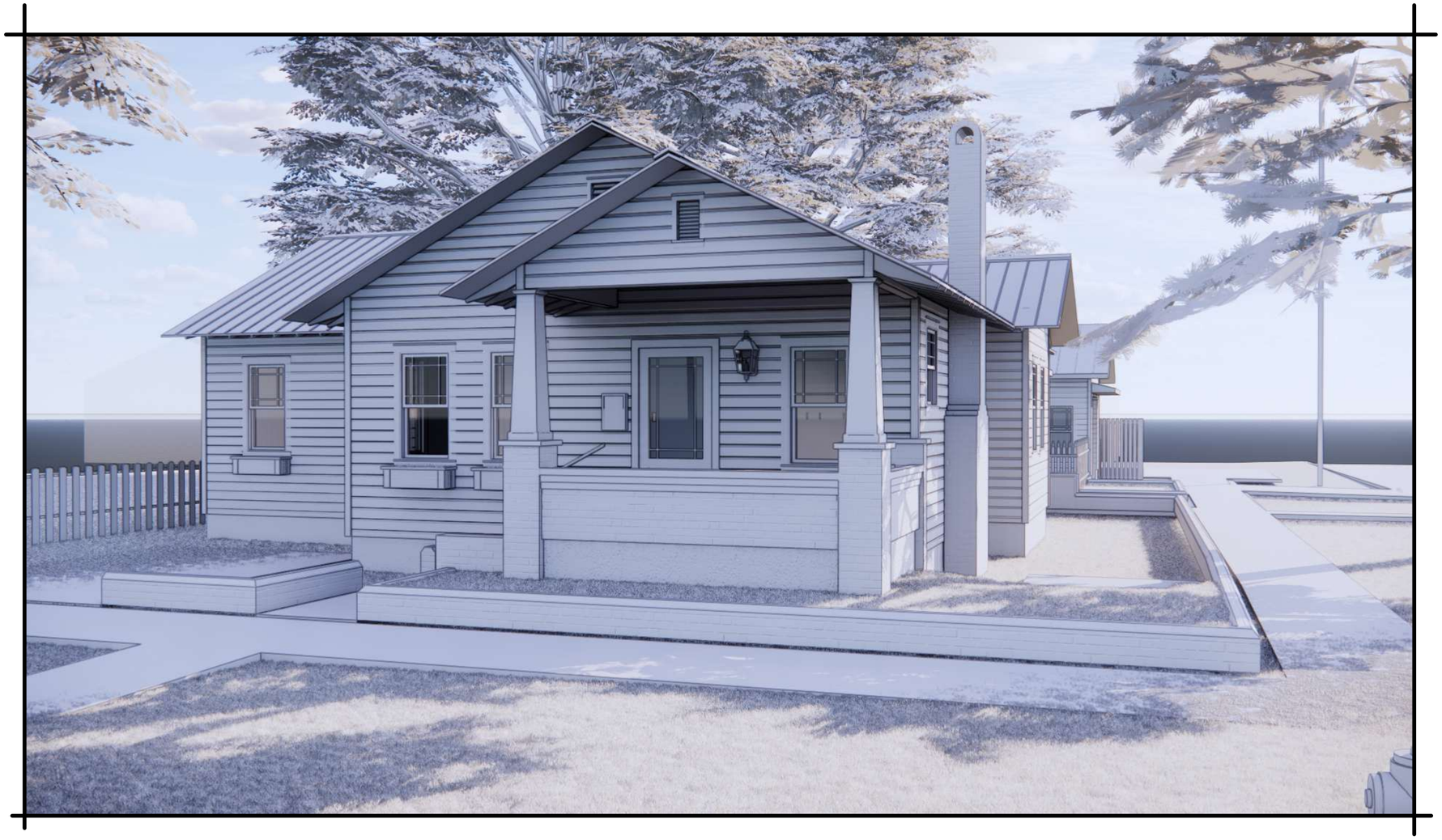
232 S 7TH ST, FERNANDINA BEACH, FL 32034

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034

B3.7



MCKENZIE RES.

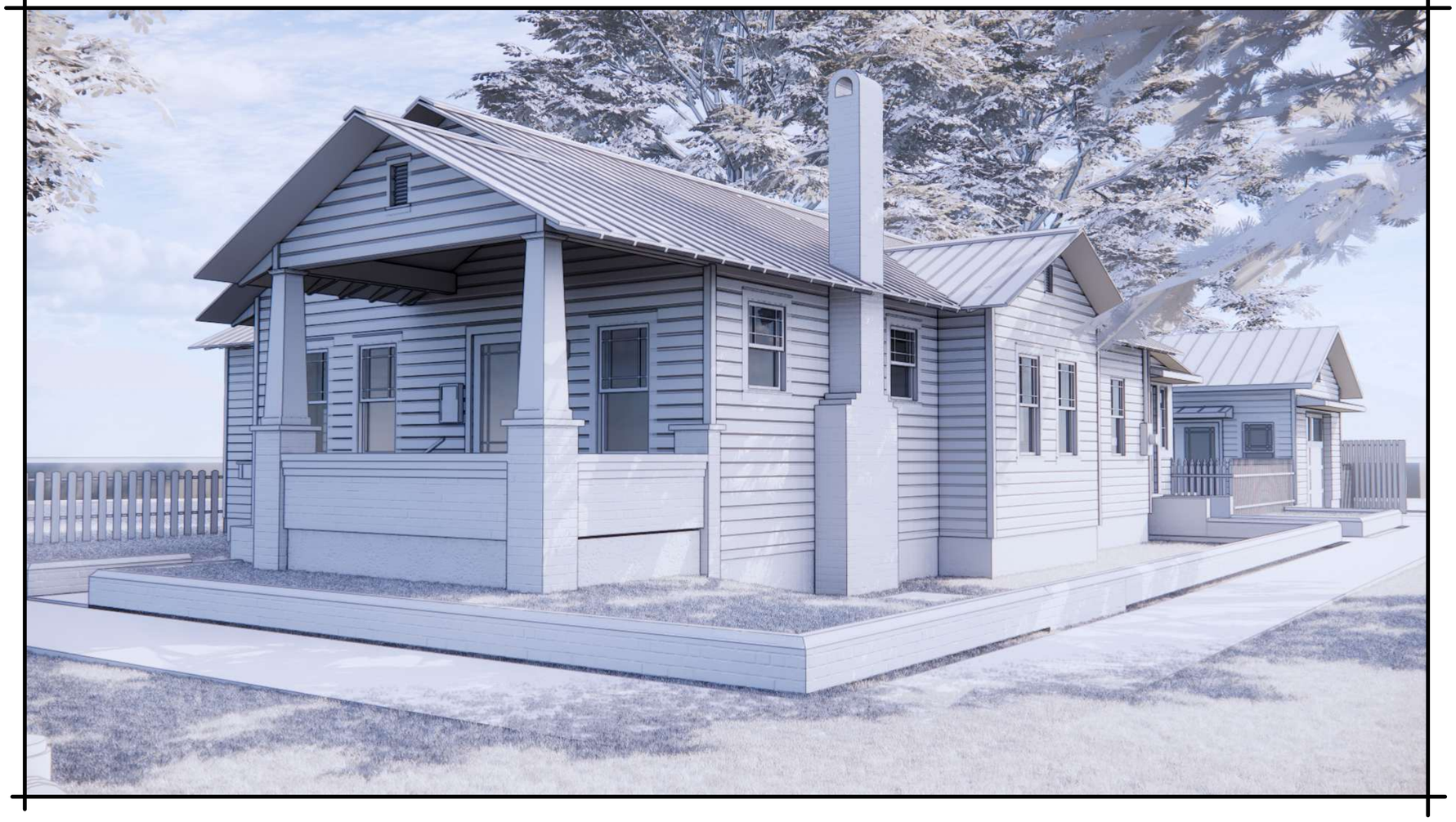
ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

RICE ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034



MCKENZIE RES.

ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034

ARCHITECT

MCKENZIE RES.

ISSUE DATE: 01/09/2024

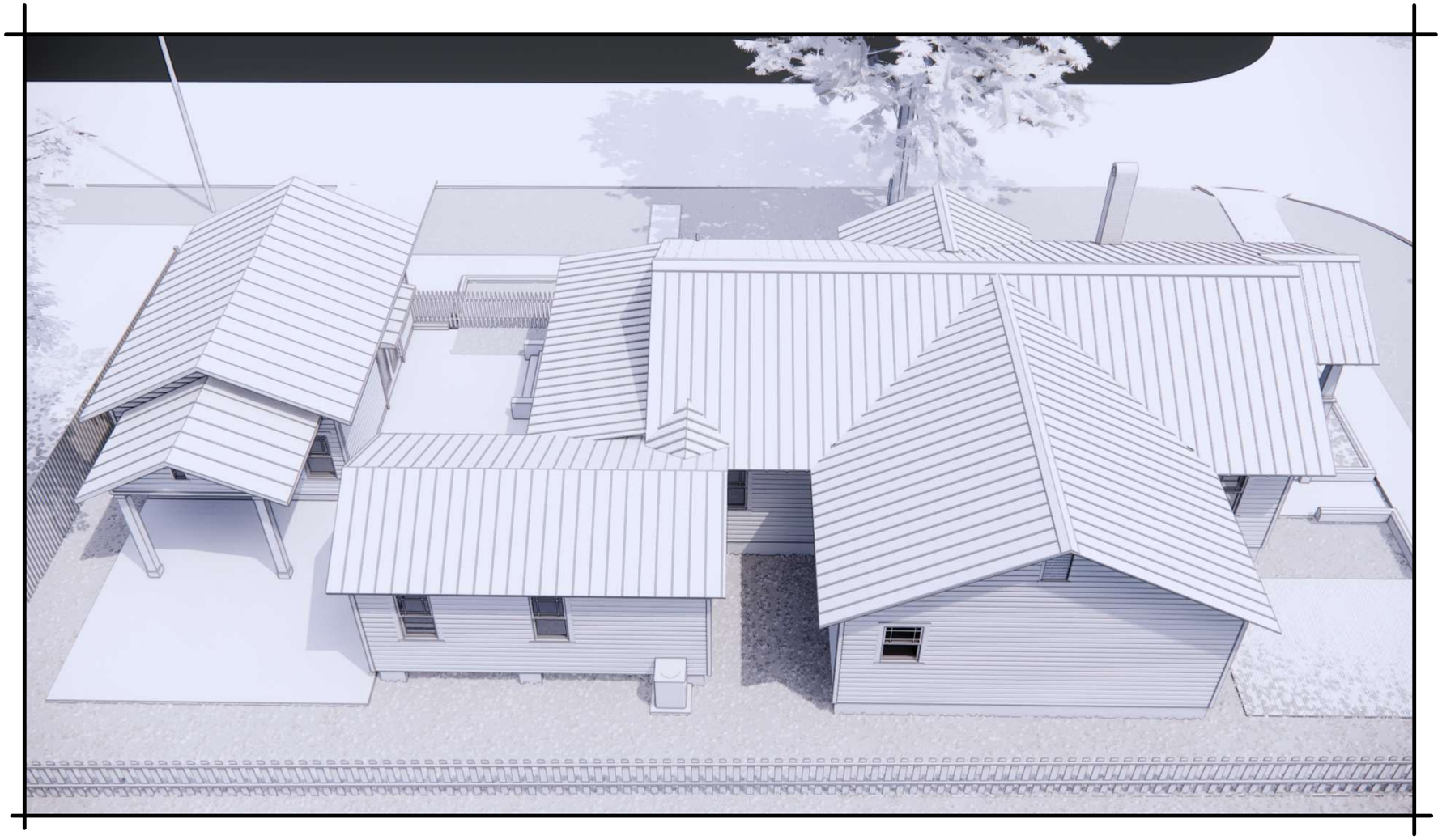
232 S 7TH ST, FERNANDINA BEACH, FL 32034

B3.10

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

RICE ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034



MCKENZIE RES.

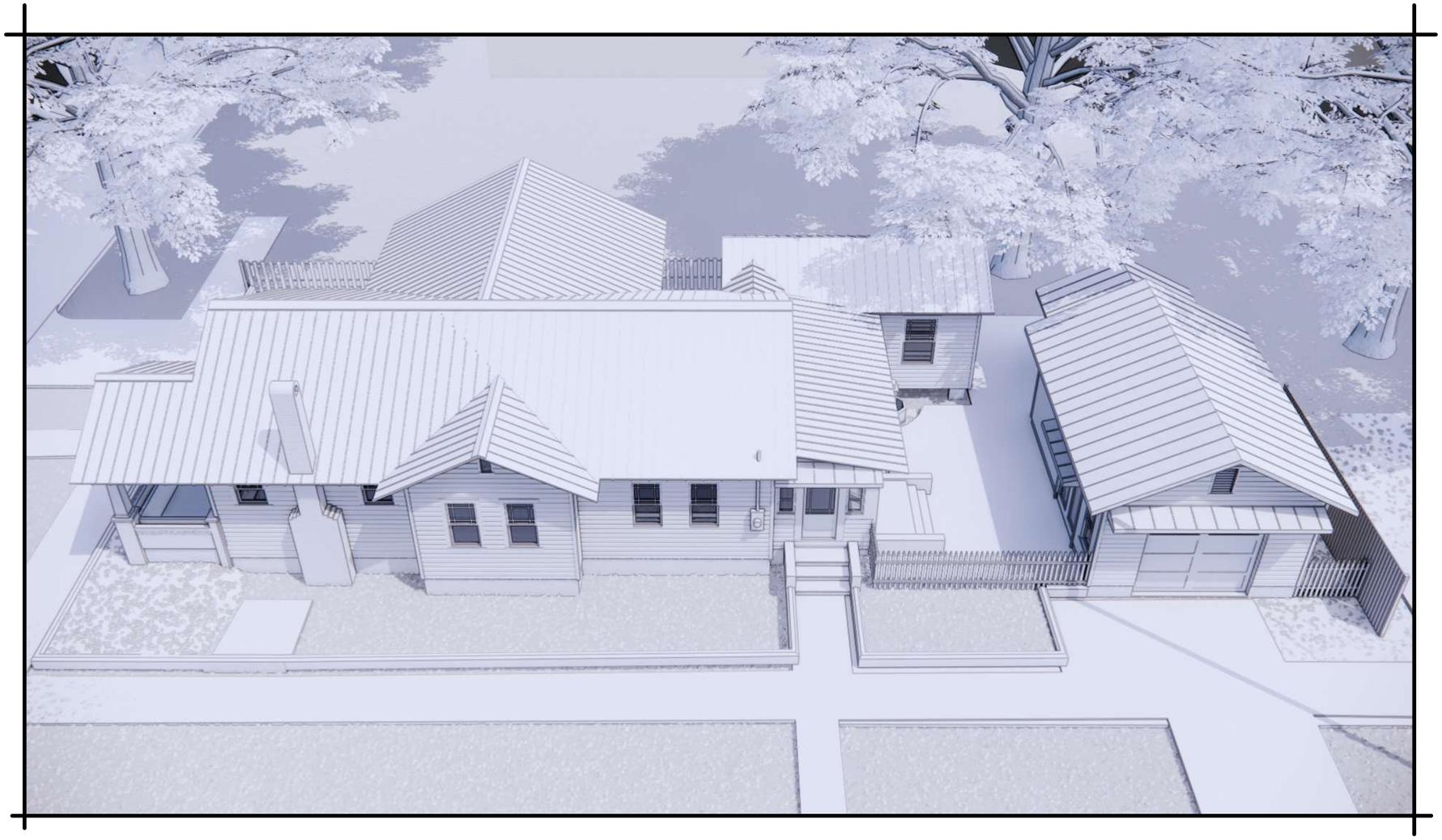
ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034



MCKENZIE RES.

ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034

B3.12

MCKENZIE RES.

ISSUE DATE: 01/09/2024

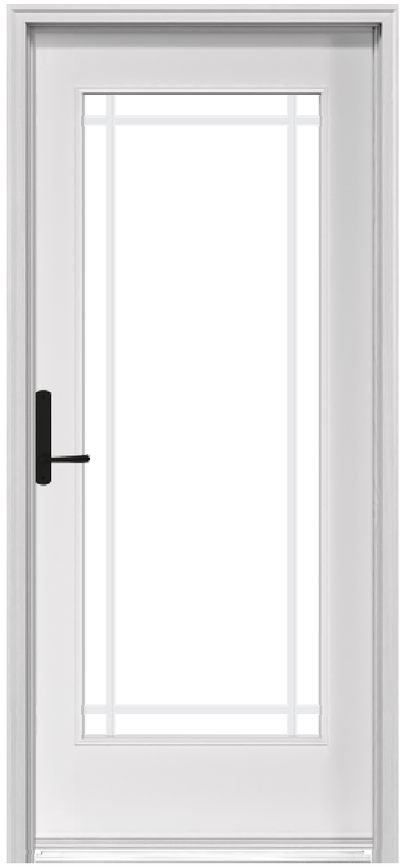
232 S 7TH ST, FERNANDINA BEACH, FL 32034

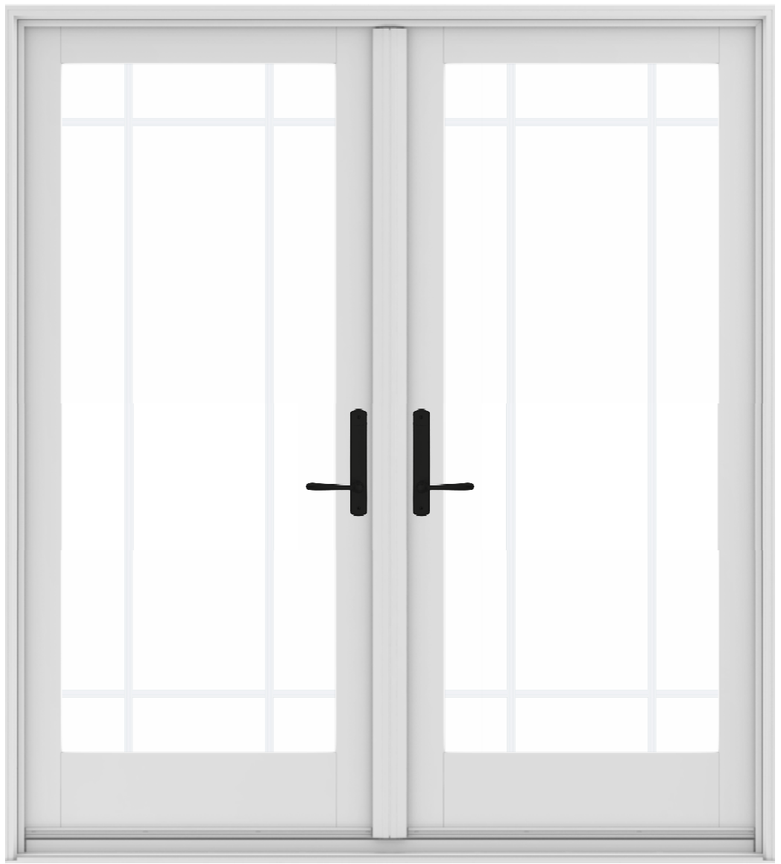
PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

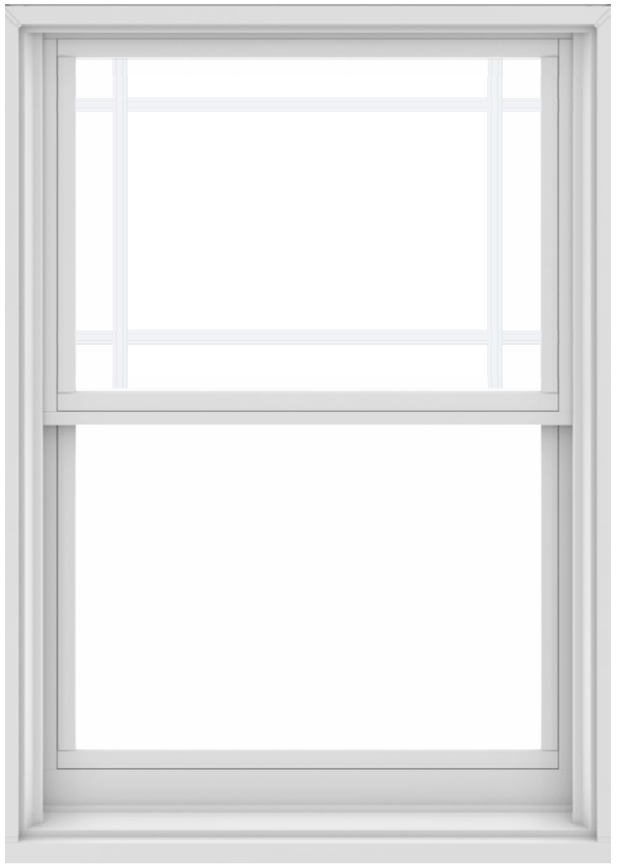
ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034

B3.13







ANDERSON 400 SERIES

MCKENZIE RES.

ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

ARCHITECT

961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034

NEW SPRUCE SWING DOOR WITH HEAD AND FOOT BOLTS

TREMRON PERVIOUS PAVERS 4x8

MCKENZIE RES.

ISSUE DATE: 01/09/2024

232 S 7TH ST, FERNANDINA BEACH, FL 32034

PHONE: 904-491-0072 EMAIL: rrice@ricearchitect.com

ARCHITECT

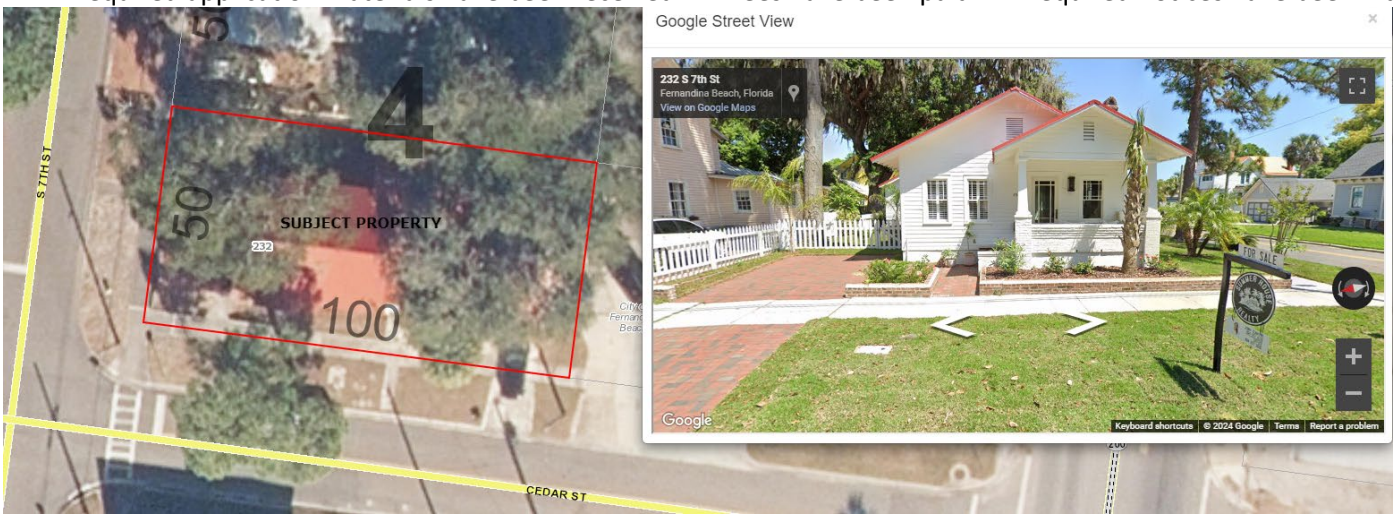
961687 Gateway Blvd, Suite 201 H, Amelia Island, FL 32034

B3.15

HISTORIC DISTRICT COUNCIL STAFF REPORT
HDC 2024-0028
February 20, 2025

Owner/Applicant:	Mark Akins of Rice Architect, AGENT FOR Robert Mckenzie
Property Address:	232 S. 7th Street
Parcel ID #	00-00-31-1800-0040-0042
Current zoning:	R-2
FLUM land use category:	Medium Density Residential
Existing uses on the site:	Single-Family Residence
FL Master Site File #	NA00465
Year Built:	1926
Contributing Status:	Contributing
Requested action:	FINAL Approval to remove the existing garage, construct a 1-story detached garage with covered porch to the rear; construct 1-story addition to the north side of the principal residence, remove 3 existing windows and reuse on addition, install 1 new Anderson Series window, and install Tremron pavers to the rear of garage and west courtyard. (Quasi-Judicial)

All required application materials have been received. All fees have been paid. All required notices have been made.

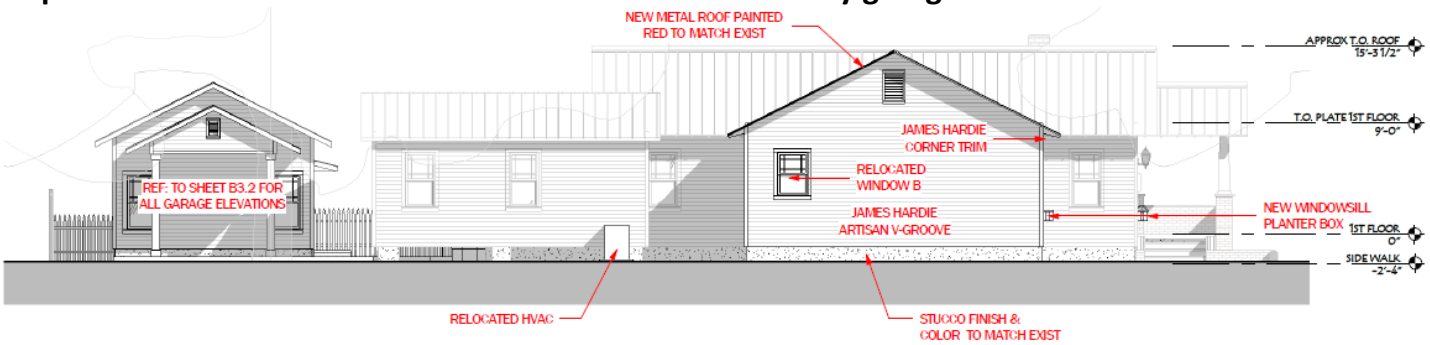


SUMMARY OF REQUEST AND BACKGROUND INFORMATION:

The applicant seeks **FINAL** approval for a new one-story detached garage and rear yard addition that will preserve the existing residences' style and maintain the existing garage's current location. The applicant proposed to install one new window and to remove three window for reuse on the addition. The courtyard will have pavers extending from the addition to the new garage.

Existing Structures on Property:

Proposed Construction and Placement of Detached on-story garage and addition:



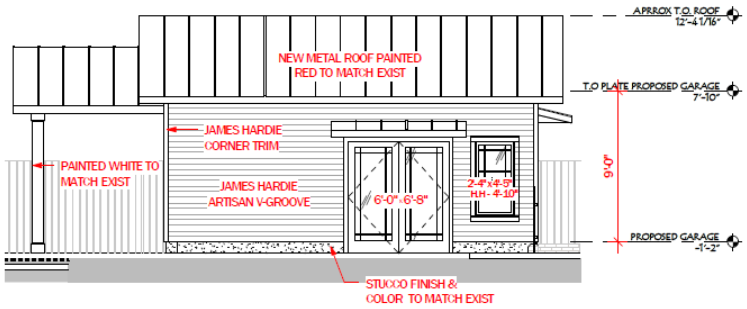
PROPOSED - NORTH ELEVATION

SCALE: 1/8" = 1'-0"

PROPOSED - CEDAR ST ELEVATION

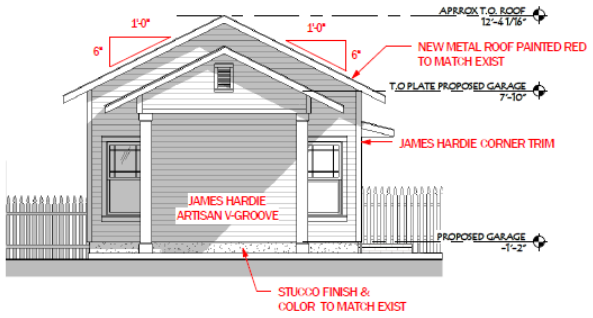
SCALE: 1/8" = 1'-0"

Proposed Garage:



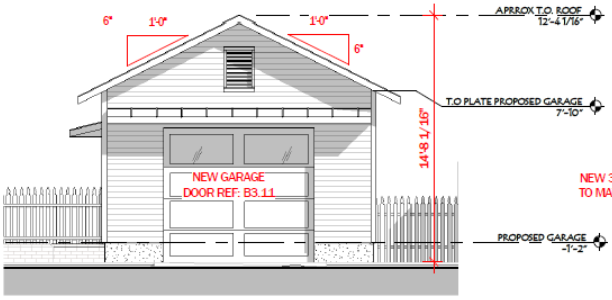
PROPOSED - WEST ELEVATION @ GARAGE

SCALE: 3/16" = 1'-0"



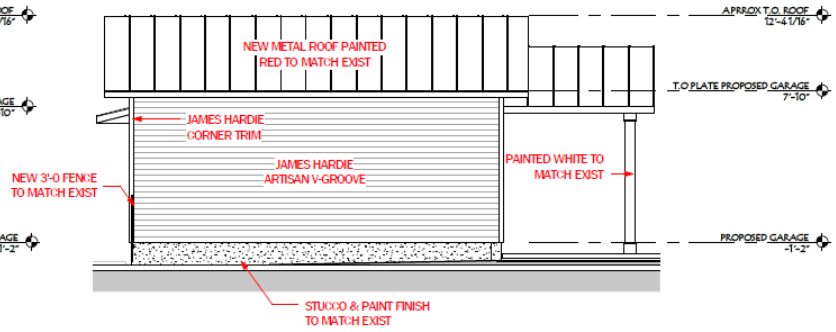
PROPOSED - NORTH ELEVATION @ GARAGE

SCALE: 3/16" = 1'-0"



PROPOSED - CEDAR ST ELEVATION @ GARAGE

SCALE: 3/16" = 1'-0"



PROPOSED - EAST ELEVATION @ GARAGE

SCALE: 3/16" = 1'-0"

APPLICABLE GUIDELINES:

[CITY OF FERNANDINA BEACH LAND DEVELOPMENT CODE]

[DOWNTOWN HISTORIC DISTRICT GUIDELINES]

[SECRETARY OF THE INTERIOR'S STANDARDS FOR REHABILITATION]

Number	Secretary of the Interior's Standards for Rehabilitation	Findings: Complies	Does not Comply	N/A
1	*A property shall be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.*	☒	☐	☐
2	*The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.*	☒	☐	☐
3	*Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings, shall not be undertaken.*	☒	☐	☐
4	*Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved.*	☒	☐	☐
5	*Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a property shall be preserved.*	☐	☐	☒
6	*Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.*	☒	☐	☐

7	*Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.*	☐	☐	☒
8	*Significant archeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken.*	☐	☐	☒
9	*New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.*	☒	☐	☐
10	*New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.*	☒	☐	☐

ANALYSIS:

Staff finds that the demolition of the existing garage meets requirements for demotion under LDC Section 8.03.03.01. Staff find that the proposed new accessory structure and rear yard addition along with hardscape plans for this structure are compatible with the Secretary of Interior Standards, the Downtown Historic District and meet the LDC requirements including, height, scale, massing, setbacks, and materials. The applicant has prepared this for final level consideration following the board direction provided at its regular meeting on October 16, 2024 and November 21, 2024 favoring removal/ demolition of the existing structure and replacement.

STAFF RECOMMENDATION:

Staff recommends: FINAL Approval of HDC 2024-0028

Staff requests that the applicant prepare a paver detail to demonstrate permeability prior to issuance of the building permit.

MOTION TO CONSIDER:

I move to **approve or deny** HDC case number 2024-0028 **with or without** conditions;
AND I move that the HDC make the following findings of fact and conclusions of law part of the record:
That HDC case 2024-0028, as presented, **is or is not** substantially compliant with the Comprehensive Plan, Land Development Code, and the Downtown Historic District Design Guidelines to warrant **FINAL** approval at this time.

LIST OF EXHIBITS:

EXHIBIT 1 Application & Backup Materials

EXHIBIT 2 FL Master Site File 8NA00465

Reset Form

Page 1

☐ Original
☒ Update

HISTORICAL STRUCTURE FORM
FLORIDA MASTER SITE FILE
Version 4.0 1/07

Site #8 **NA00465**
Field Date 2-14-2018
Form Date 2-14-2018
Recorder # _____

Shaded Fields represent the minimum acceptable level of documentation.
Consult the *Guide to Historical Structure Forms* for detailed instructions.

Site Name(s) (address if none) 232 S 7th Street Multiple Listing (DHR only) _____
Survey Project Name Fernandina Beach Historic Resource Survey Update Survey # (DHR only) _____
National Register Category (please check one) ☒building ☐structure ☐district ☐site ☐object
Ownership: ☐private-profit ☐private-nonprofit ☐private-individual ☐private-nonspecific ☐city ☐county ☐state ☐federal ☐Native American ☐foreign ☐unknown

LOCATION & MAPPING

Clear Location Values

Street Number	Direction	Street Name	Street Type	Suffix Direction
232	S	7th	Street	

Address:
Cross Streets (nearest / between) At corner of Cedar and 7th
USGS 7.5 Map Name FERNANDINA BEACH USGS Date _____ Plat or Other Map _____
City / Town (within 3 miles) Fernandina Beach In City Limits? ☒yes ☐no ☐unknown County Nassau
Township 3N Range 28E Section 23 ¼ section: ☐NW ☐SW ☐SE ☐NE Irregular-name: _____
Tax Parcel # 00-00-31-1800-0040-0042 Landgrant _____
Subdivision Name _____ Block _____ Lot _____
UTM Coordinates: Zone ☐16 ☐17 Easting ☐☐☐☐☐☐ Northing ☐☐☐☐☐☐☐
Other Coordinates: X: _____ Y: _____ Coordinate System & Datum _____
Name of Public Tract (e.g., park) _____

HISTORY

Clear History Values

Construction Year: 1926 ☒approximately ☐year listed or earlier ☐year listed or later
Original Use Private Residence (House/Cottage/Cabin) From (year): 1950 To (year): _____
Current Use Private Residence (House/Cottage/Cabin) From (year): _____ To (year): _____
Other Use _____ From (year): _____ To (year): _____
Moves: ☐yes ☒no ☐unknown Date: _____ Original address _____
Alterations: ☐yes ☒no ☐unknown Date: _____ Nature _____
Additions: ☒yes ☐no ☐unknown Date: _____ Nature Shed Extension & wheelchair ramp
Architect (last name first): _____ Builder (last name first): _____
Ownership History (especially original owner, dates, profession, etc.) _____

Is the Resource Affected by a Local Preservation Ordinance? ☒yes ☐no ☐unknown Describe Downtown Historic District

DESCRIPTION

Clear Description Values

Style Bungalow Exterior Plan Rectangular Number of Stories 1
Exterior Fabric(s) 1. Drop siding 2. _____ 3. _____
Roof Type(s) 1. Gable 2. _____ 3. _____
Roof Material(s) 1. Sheet metal:3V crimp 2. _____ 3. _____
Roof secondary strucs. (dormers etc.) 1. _____ 2. _____
Windows (types, materials, etc.) 9/1 DHS

Distinguishing Architectural Features (exterior or interior ornaments) 9/1 Craftsman DHS windows; 2 front facing gables; partial width front porch with brick piers and battered columns; exposed rafter tails

Ancillary Features / Outbuildings (record outbuildings, major landscape features; use continuation sheet if needed.) Garage

DHR USE ONLY	OFFICIAL EVALUATION	DHR USE ONLY
NR List Date _____ ☐Owner Objection	SHPO – Appears to meet criteria for NR listing: ☐yes ☐no ☐insufficient info Date _____ Init._____ KEEPER – Determined eligible: ☐yes ☐no Clear Check Boxes Date _____ NR Criteria for Evaluation: ☐a ☐b ☐c ☐d (see *National Register Bulletin 15*, p. 2)	

HISTORICAL STRUCTURE FORM

Site # 8 **NA00465**

DESCRIPTION (continued)

Clear Description Values

Chimney: No. 2 Chimney Material(s): 1. Brick 2. Brick

Structural System(s): 1. Balloon wood frame 2. 3.

Foundation Type(s): 1. Continuous 2.

Foundation Material(s): 1. Brick 2.

Note: you may use the last box in each field to type in an answer that does not appear in the list provided

Main Entrance (stylistic details) 9-light window in upper half of original door;

Porch Descriptions (types, locations, roof types, etc.) Partial-width; brick piers w/ battered wood posts; decorative brick knee walls

Condition (overall resource condition): ☐excellent ☒good ☐fair ☐deteriorated ☐ruinous

Narrative Description of Resource Exhibits Craftsman elements including pane configuration of windows and doors; porch posts and piers; cross rear gable and detached garage; county GIS notes 1950 construction but likely dates to 1920s

Archaeological Remains ☐Check if Archaeological Form Completed

RESEARCH METHODS (check all that apply)

☒FMSF record search (sites/surveys)	☒library research	☐building permits	☒Sanborn maps
☐FL State Archives/photo collection	☐city directory	☐occupant/owner interview	☒plat maps
☐property appraiser / tax records	☒newspaper files	☐neighbor interview	☐Public Lands Survey (DEP)
☒cultural resource survey (CRAS)	☒historic photos	☐interior inspection	☒HABS/HAER record search

☐other methods (describe)

Bibliographic References (give FMSF manuscript # if relevant, use continuation sheet if needed)

OPINION OF RESOURCE SIGNIFICANCE

Clear Significance Values

Appears to meet the criteria for National Register listing individually? ☐yes ☒no ☐insufficient information

Appears to meet the criteria for National Register listing as part of a district? ☒yes ☐no ☐insufficient information

Explanation of Evaluation (required, whether significant or not; use separate sheet if needed) This is an update-the building has been deemed a contributing resource to the Fernandina Beach Historic District, which was listed in the NRHP in 1973 with a district boundary expansion in 1987.

Area(s) of Historical Significance (see *National Register Bulletin 15*, p. 8 for categories: e.g. "architecture", "ethnic heritage", "community planning & development", etc.)

1. Community planning & development 3. 5.

2. 4. 6.

DOCUMENTATION

Clear Documentation Values

Accessible Documentation Not Filed with the Site File - including field notes, analysis notes, photos, plans and other important documents

1) Document type Maintaining organization

Document description File or accession #'s

2) Document type Maintaining organization

Document description File or accession #'s

RECORDER INFORMATION

Recorder Name Sheldon Owens Affiliation Brockington and Assc. Inc.

Recorder Contact Information 498 Wando Park Blvd. Suite 700, Mt. Pleasant SC 29464; 843-881-3128

(address / phone / fax / e-mail)

Required Attachments

❶ USGS 7.5' MAP WITH STRUCTURE LOCATION PINPOINTED IN RED

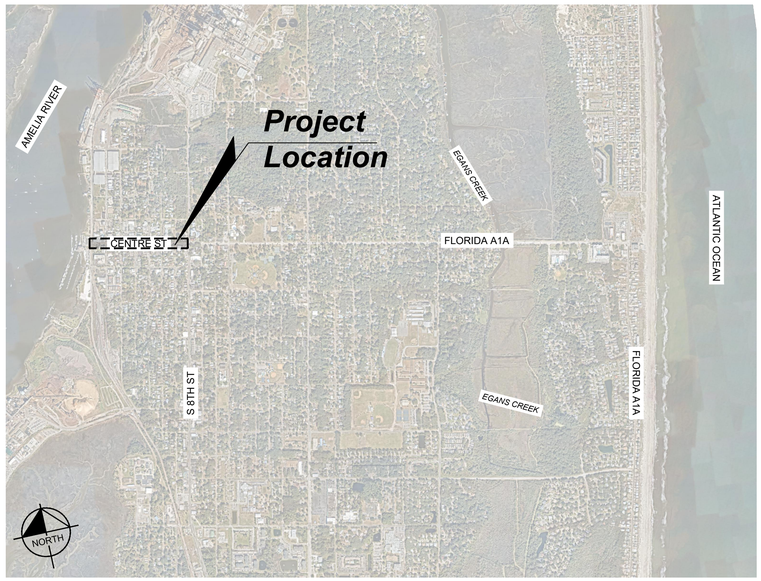
❷ LARGE SCALE STREET, PLAT OR PARCEL MAP (available from most property appraiser web sites)

❸ PHOTO OF MAIN FACADE, ARCHIVAL B&W PRINT OR DIGITAL IMAGE FILE

If submitting an image file, it must be included on disk or CD AND in hard copy format (plain paper is acceptable). Digital image must be at least 1600 x 1200 pixels, 24-bit color, jpeg or tiff.

STREETSCAPE PLANS
HARDSCAPE, PLANTING, IRRIGATION
FOR
CITY OF FERNANDINA BEACH - FLORIDA
PHASE I - CENTRE STREET

JANUARY 8TH, 2025



VICINITY MAP
NOT TO SCALE

LANDSCAPE ARCHITECT:
MATTHEW A. JURNEY, PLA
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 420-4779

CIVIL ENGINEER:
BRIAN DEITSCH, PE.
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 828-3936

TOPOGRAPHIC SURVEYOR:
MICHAEL A. MANZIE, PLS.
117 SOUTH NINTH STREET
FERNANDINA BEACH, FLORIDA 32034
PHONE (904) 491-5700

ELECTRICAL ENGINEER:
PETER SYNTAX, PE
KIMLEY-HORN AND ASSOCIATES, INC.
1661 E CAMELBACK RD #400
PHEONIX, ARIZONA
PHONE: (602) 291-9521

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

COVER SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.00 January 08, 2025 10:23:39am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C0.00_COVER SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY INDEX TABLE	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY

BRIAN S. DEITSCH LICENSE No. 77073 STATE OF FLORIDA PROFESSIONAL ENGINEER

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
BRIAN S. DEITSCH No. 77073

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BRIAN S. DEITSCH, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

INDEX OF SHEETS	
Sheet Number	Sheet Title
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN

REGISTERED LANDSCAPE ARCHITECT MATTHEW A. JURNEY LA6666993 STATE OF FLORIDA

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
MATTHEW A. JURNEY, PLA No. LA6666993

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MATTHEW A. JURNEY, PLA ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 6110.11.010 F.A.C..

INDEX OF SHEETS	
Sheet Number	Sheet Title
C0.00	COVER SHEET
C0.01	SIGNATURE SHEET
C0.02	GENERAL NOTES
C0.03	STORM WATER POLLUTION PREVENTION DETAILS
C0.04	KEY MAP
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C2.50	TREE DISPOSITION NOTES AND DETAILS
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
H1.01	HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
H1.08	HARDSCAPE PLAN SCHEDULES
H1.50	HARDSCAPE DETAILS
H1.51	HARDSCAPE DETAILS
H1.52	HARDSCAPE DETAILS
H1.53	HARDSCAPE DETAILS
H1.54	HARDSCAPE DETAILS

L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L1.08	PLANTING SCHEDULE
L1.50	PLANTING NOTES
L1.51	PLANTING DETAILS
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN
L2.08	IRRIGATION SCHEDULES
L2.50	IRRIGATION NOTES
L2.51	IRRIGATION DETAILS
L2.52	IRRIGATION DETAILS

PETER M. SYNTAX LICENSE No. 74259 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/28/2025

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
PETER SYNTAX No. 74259

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PETER SYNTAX ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

LIGHTING PLANS	
Sheet Number	Sheet Title
E1.00	GENERAL NOTES
E1.01	LIGHTING PLAN
E1.02	LIGHTING PLAN
E1.03	LIGHTING PLAN
E1.04	LIGHTING PLAN
E1.05	LIGHTING PLAN
E1.06	LIGHTING PLAN
E1.07	LIGHTING PLAN
E2.01	LIGHTING PLAN
E2.02	LIGHTING PLAN
E2.03	LIGHTING PLAN
E2.04	LIGHTING PLAN
E2.05	LIGHTING PLAN
E2.06	LIGHTING PLAN
E2.07	LIGHTING PLAN
E2.08	LIGHTING PLAN
E2.09	LIGHTING PLAN
E2.10	LIGHTING PLAN
E2.11	LIGHTING PLAN
E2.12	LIGHTING PLAN
E3.01	LIGHTING DETAILS
E3.02	LIGHTING DETAILS
E3.03	LIGHTING PANEL SCHEDULES
E3.04	LIGHTING DETAILS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

SIGNATURE SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.01

Plotted By:Zlegmont Charles Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.01 January 08, 2025 11:26:51am K:\JAX_LALP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CADD\Plan Sheets\C0.01 SIGNATURE SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY
SHEET NUMBER: S0.01

MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY

ADDITIONAL PROJECT ELEVATIONS
ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

GRAPHIC SCALE
0 50 100 200 400
1 INCH = 100 FEET

FRONT STREET
(60-FOOT RIGHT-OF-WAY)

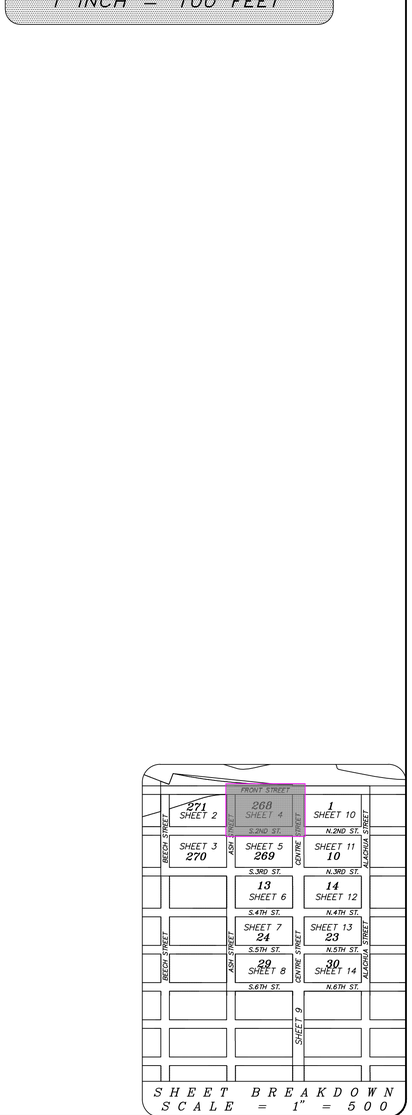
ASH STREET
(60-FOOT RIGHT-OF-WAY)

CENTRE STREET
(80-FOOT RIGHT-OF-WAY)
"AKA ATLANTIC AVENUE"

SOUTH SECOND STREET
(60-FOOT RIGHT-OF-WAY)

BLOCK 268 BLOCK 269 BLOCK 270 BLOCK 271

ADDITIONAL ELEVATIONS – OCTOBER 2024		
POINT	LAYER NAME	DESCRIPTION
x14.02	= POINTS-TOPO-OCT2024-ALCOVE ELEV	ELEVATION IN ALCOVE
x5.92	= POINTS-TOPO-OCT2024-BRICK STAMPED CONC ELEV	ELEVATION ON BRICK DESIGN STAMPED CONCRETE
x15.74	= POINTS-TOPO-OCT2024-PEBBLE WALK ELEV	ELEVATION ON PEBBLE-ROCK FLATWORK
x12.31	= POINTS-TOPO-OCT2024-ASPHALT ELEV	ELEVATION ON ASPHALT
x11.67	= POINTS-TOPO-OCT2024-BRICK ELEV	ELEVATION ON BRICK FLATWORK (NOT STAMPED CONCRETE)
x17.69	= POINTS-TOPO-OCT2024-HEX STAMPED CONC ELEV	ELEVATION ON HEX STAMPED CONCRETE FLATWORK
x9.26	= POINTS-TOPO-OCT2024-CONC ELEV	ELEVATION ON CONCRETE FLATWORK (NO STAMPING)
x8.85	= POINTS-TOPO-OCT2024-BRICK WALL ELEV (TOP)	ELEVATION ON BRICK WALL (TOP OF WALL)
x20.57	= POINTS-TOPO-OCT2024-ROUND COLUMN ELEV (TOP)	ELEVATION ON 12" ROUND COLUMN (TOP OF COLUMN)
x15.31	= POINTS-TOPO-OCT2024-COPING WALL ELEV (TOP)	ELEVATION ON COPING WALL (TOP OF WALL)
x8.96	= POINTS-TOPO-OCT2024-GRANITE CURB ELEV (TOP)	ELEVATION ON BACK OF GRANITE CURB (TOP OF CURB)
x9.53	= POINTS-TOPO-OCT2024-HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH-BACK CURB" (TOP OF CURB)



SHEET BREAKDOWN
SCALE = 1" = 500

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491-5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 4 OF 14

"OUR *SIGHTS* ARE ON THE FUTURE, SET YOUR *SITES* ON US."

SCALE: 1"=20' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD
F.B. NO: X-385 PAGE NO: 1-10 CREW: SS FILE NO: C-1272

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITIES AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AND/OR CODES.

2. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE DESIGN PROFESSIONAL AT THE TIME OF THE TOPOGRAPHIC SURVEY. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR DESIGN PROFESSIONAL WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, LICENSES, AND BONDS AS REQUIRED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL OBTAIN COPIES OF AND FAMILIARIZE HIMSELF AND HIS SUBCONTRACTORS WITH THE PERMIT CONDITIONS OF ALL OWNER OBTAINED PERMITS FOR THE WORK.

5. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE DESIGN PROFESSIONAL.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER/DESIGN PROFESSIONAL PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER/DESIGN PROFESSIONAL OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

8. ACCESS TO BUSINESSES AND BUILDING ACCESS POINTS SHALL BE MAINTAINED TO THE GREATEST EXTENT PRACTICAL. WHEN ACCESS CANNOT BE MAINTAINED, THE TIME OF NON-ACCESS SHALL BE MINIMIZED AND CLOSELY COORDINATED WITH THE PROPERTY OWNER.

9. ANY DAMAGE TO PRIVATE PROPERTY MADE BY THE CONTRACTOR SHALL BE PROMPTLY REPAIRED TO AN EQUAL OR BETTER CONDITION AS IT WAS BEFORE COMMENCEMENT OF THE WORK.

10. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.

11. WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL HOLD AND PROTECT POLE DURING CONSTRUCTION AT THE CONTRACTORS EXPENSE.

DEMOLITION NOTES:

1. REFER TO THE EXISTING CONDITION SHEET FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, PIPES, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO REMAIN OR RELOCATED. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.

2. THE CONTRACTOR SHALL REFER TO THE PLANS FOR DEMOLITION/PRESERVATION OF EXISTING TREES AND LANDSCAPING. ALL TREES AND LANDSCAPING NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE/LANDSCAPING PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.

3. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS 30 DAYS IN ADVANCE TO RELOCATION LANDSCAPING IN CONFLICT WITH THE WORK. LANDSCAPE IN CONFLICT, LEFT IN PLACE, SHALL BE REMOVED AND REPLACED BY CONTRACTOR (IN RIGHT-OF-WAY ONLY) UNLESS OTHERWISE NOTED.

4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

5. ALL ELEVATION MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

6. CONTRACTOR SHALL EXERCISE CAUTION WHILE REMOVING AND/OR RELOCATING EXISTING SIGNS IN ORDER TO PREVENT ANY UNNECESSARY DAMAGE TO THE SIGNS. SIGNS WHICH ARE DAMAGED BEYOND USE AS DETERMINED BY THE ENGINEER SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

PAVING, GRADING, AND DRAINAGE NOTES:

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH STANDARDS APPLICABLE TO PUBLIC RIGHTS-OF-WAY STANDARDS AND EASEMENTS WITHIN THE CITY OF FERNANDINA BEACH OR FDOT SPECIFICATIONS AND STANDARDS (2017-18) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.

2. ALL ELEVATIONS SHOWN REFER TO NAVD 1988.

3. CONSTRUCT CURBING IN ACCORDANCE WITH PROJECT DETAILS AS APPLICABLE.

4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL.

10. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AND AS INDICATED ON THE DRAWINGS.

11. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH SPECIFICATIONS, THE LOCAL JURISDICTIONAL AGENCY, OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

16. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.

WATER AND SEWER UTILITY NOTES:

1. CONTRACTOR SHALL COORDINATE WITH CITY OF FERNANDINA BEACH UTILITY DEPARTMENT PRIOR TO CONSTRUCTION. IF THE UTILITY DEPARTMENT ELECTS TO REPLACE WATER/SEWER SERVICE LINES DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE STREETSCAPE IMPROVEMENTS WITH THE CITY'S UTILITY REPLACEMENTS.

2. WATER SERVICES AND SANITARY SERVICES SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION. THE FIRE MARSHALL MUST BE NOTIFIED IN ADVANCE OF ANY INTERRUPTION TO FIRE SERVICES.

3. WATER METERS FOUND TO BE IN CONFLICT WITH THE PROPOSED CURBING SHALL BE RELOCATED. ALL WATER METER RELOCATIONS SHALL BE APPROVED BY THE CITY OF FERNANDINA BEACH PRIOR TO THE CONTRACTOR PROCEEDING WITH THE RELOCATION.

4. ALL WATER METER COVERS ON PROJECT TO BE REPLACED. WATER METER BOX COVERS FOR THIS PROJECT SHALL BE AS FOLLOWS:
   1. CDR 15" X 17" TIER 8 BY HUBBELL OR APPROVED EQUAL (DUAL METERS)
   2. QUAZITE 11" X 18" TIER 8 BY HUBBELL OR APPROVED EQUAL (1" METER)

5. WATER METER COVERS SHALL BE SKID RESISTANT AND BE STAINED TO MATCH PROPOSED PAVERS AND/OR CONCRETE

SIGNING AND MARKING NOTES:

1. CONTRACTOR TO STORE AND PROTECT ANY EXISTING PLACARDS AND REUSE WHEREVER POSSIBLE ON NEW SIGN POSTS. ALL NEW SIGNS FURNISHED FOR THIS PROJECT TO BE DIAMOND GRADE. NEW SIGN POSTS FOUNDATIONS AND BREAKAWAY SLIP BASE SHALL CONFORM TO FDOT STANDARD INDEX 11860. SIGN POST MATERIAL AND COLOR TO BE COORDINATED WITH THE CITY OF FERNANDINA BEACH.

2. SIGNAGE ON PRIVATE PROPERTY IS TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED.

3. SIGN PLACEMENT FOR STOP SIGN SHOULD BE IN ACCORDANCE WITH FIGURE 2A-1. OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). HEIGHTS AND LATERAL LOCATION OF STOP SIGNS REFER TO SECTION 2A.16 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

4. SIGN PLACEMENT SHALL CONFORM TO FDOT STANDARD INDEX 17302.

5. PARKING SIGNS WITH DIRECTION ARROWS SHALL BE INSTALLED AT AN ANGLE OF NOT LESS THAN 30° BUT NOT MORE THAN 45° WITH THE LINE OF TRAFFIC FLOW.

EROSION CONTROL NOTES:

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THESE EROSION CONTROL NOTES, THE STANDARD DETAILS, ATTACHMENTS INCLUDED IN SPECIFICATIONS, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

2. CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF INTENT TO USE THE CITY'S NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AS REQUIRED PRIOR TO THE START OF WORK.

3. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

4. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

5. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.

6. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.

7. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

8. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO WATERS OF THE STATE.

11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.

12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.

13. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

14. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE AND AT THE CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE PROJECT.

16. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

17. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

18. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.

19. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

EROSION CONTROL MAINTENANCE:

ALL MEASURES STATED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

3. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

4. TEMPORARY PARKING AND STORAGE AREAS SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

5. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

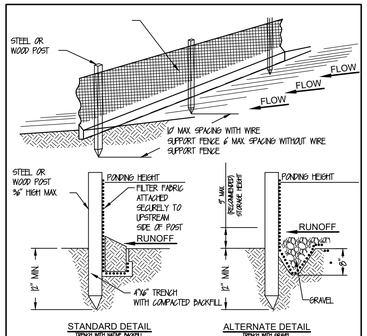
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

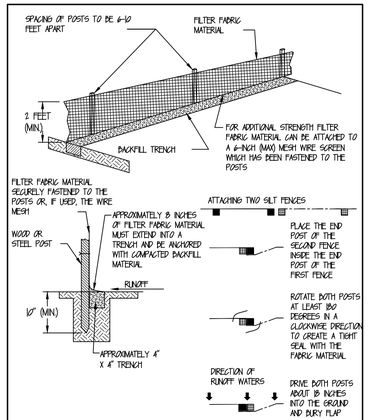
SHEET NUMBER
C0.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.02 January 08, 2025 10:26:18am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

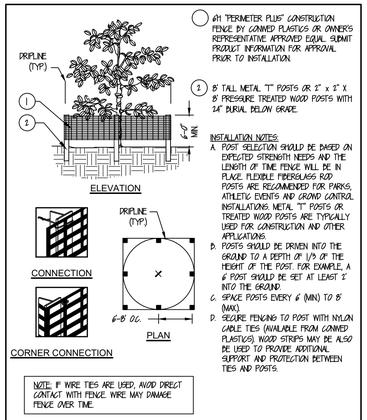


NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
1. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED
2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL



SILT FENCE INSTALLATION DETAIL

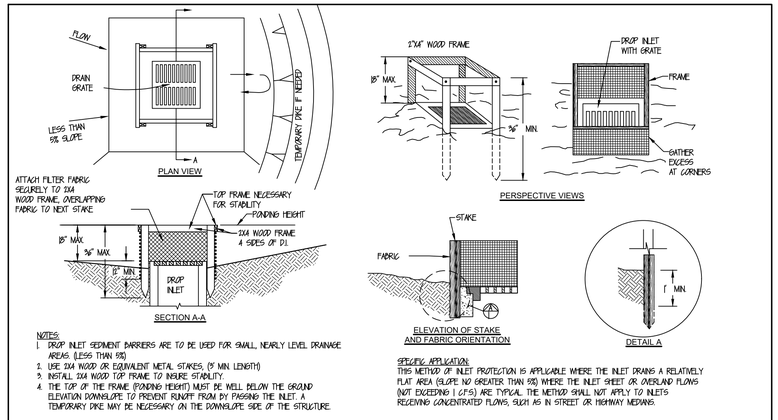


1. #11 "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:
A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
C. SPACE POSTS EVERY 6' (MIN) TO 8' (MAX).
D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

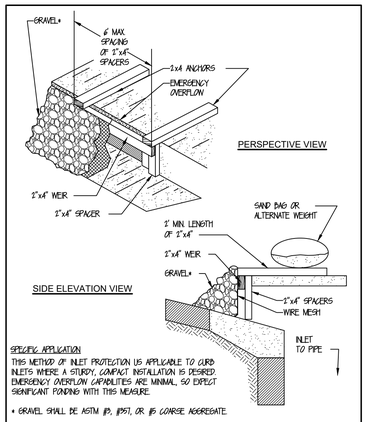
TREE BARRICADE



NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%)
2. USE 2X4 WOOD OR EQUIVALENT METAL STAKES, (3' MIN LENGTH)
3. INSTALL 2X4 WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

SPECIFIC APPLICATION:
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

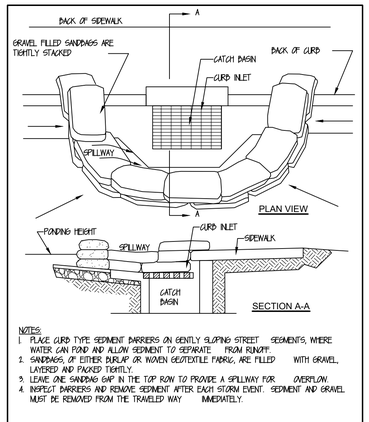
FILTER FABRIC DROP INLET SEDIMENT BARRIER



SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE TO CURB INLETS WHERE A STURDY, COMPACT INSTALLATION IS DESIRED. EMERGENCY OVERFLOW CAPABILITIES ARE MINIMAL, SO EXPECT SIGNIFICANT PONDING WITH THIS MEASURE.

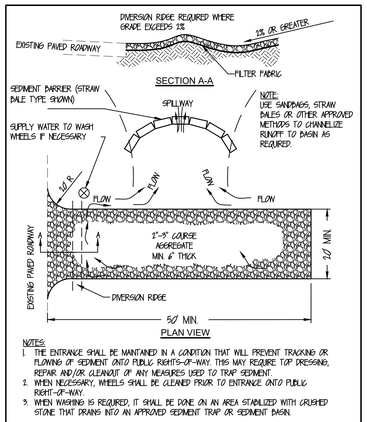
* GRAVEL SHALL BE ASTM #3, #357, OR #5 COARSE AGGREGATE.

GRAVEL CURB INLET SEDIMENT FILTER WITH OVERFLOW WEIR



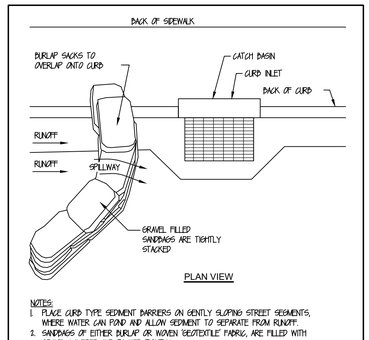
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB INLET SEDIMENT BARRIER



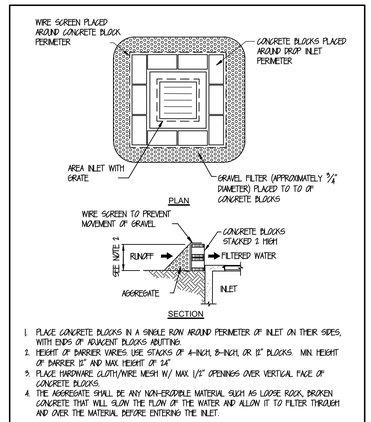
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



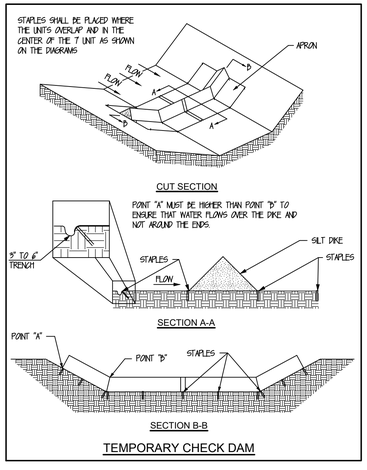
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB AND GUTTER SEDIMENT BARRIER

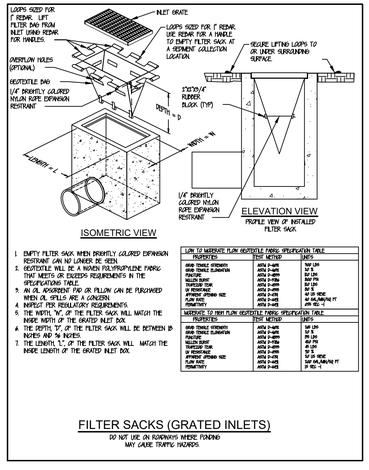


1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN HEIGHT OF BARRIER 12" AND MAX HEIGHT OF 24"
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE AGGREGATE SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

BLOCK AND AGGREGATE INLET SEDIMENT DEVISE



TEMPORARY CHECK DAM



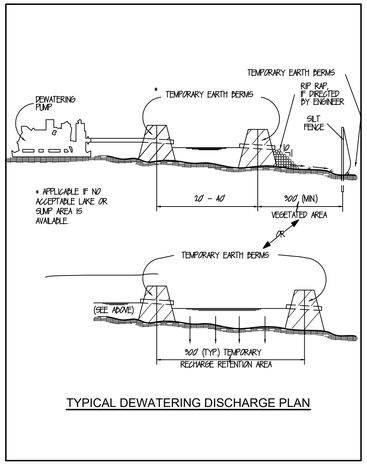
1. EMPTY FILTER SACK WHEN BRIGHTLY COLORED EMBARGO RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. AN OIL ABSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK WILL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH "D", OF THE FILTER SACK WILL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK WILL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	160 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	15 %
MULLEN BURST	ASTM D-3786	300 LBS
TRAPEZOID TEAR	ASTM D-4533	60 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	150 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.0 SEC-1

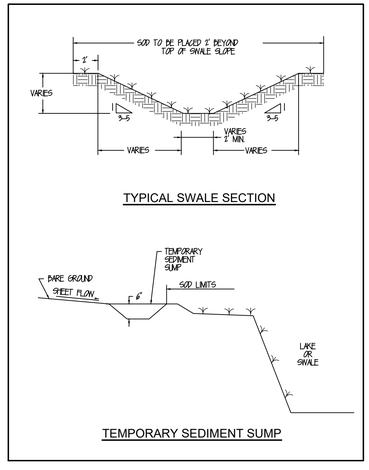
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	249 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	50 %
MULLEN BURST	ASTM D-3786	390 PSI
TRAPEZOID TEAR	ASTM D-4533	90 LBS
UV RESISTANCE	ASTM D-4355	70 %
APPARENT OPENING SIZE	ASTM D-4751	30 US SIEVE
FLOW RATE	ASTM D-4491	224 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.8 SEC-1

FILTER SACKS (GRATED INLETS)

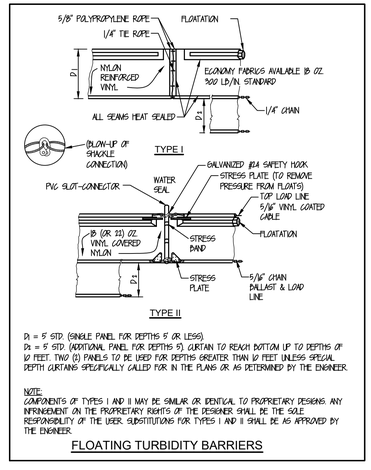
DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.



TYPICAL DEWATERING DISCHARGE PLAN



TEMPORARY SEDIMENT SUMP



D1 = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D2 = 9' STD. (ADDITIONAL PANEL FOR DEPTHS 5'). CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTE:
COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DESIGNED BY:	CHECKED BY:
142806005	KHA	MAJ
DATE: 01/08/2025	DRAWN BY: NL	
SCALE: AS SHOWN		

STORM WATER POLLUTION PREVENTION DETAILS

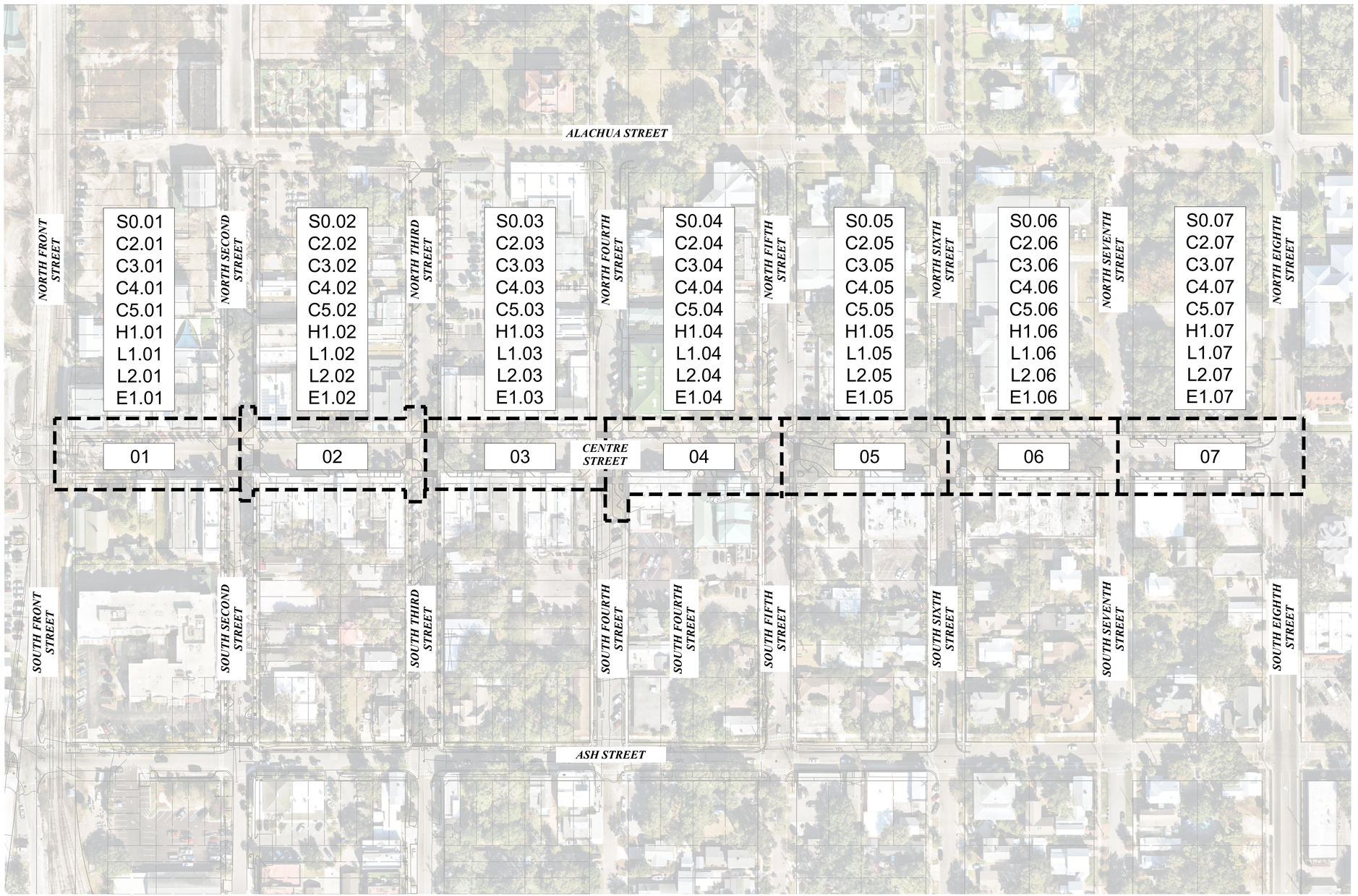
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.03 January 08, 2025 10:26:20am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

INDEX OF SHEETS	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN
H1.01	OVERALL HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	
DRAWN BY: NL	
CHECKED BY: MAJ	

KEY MAP

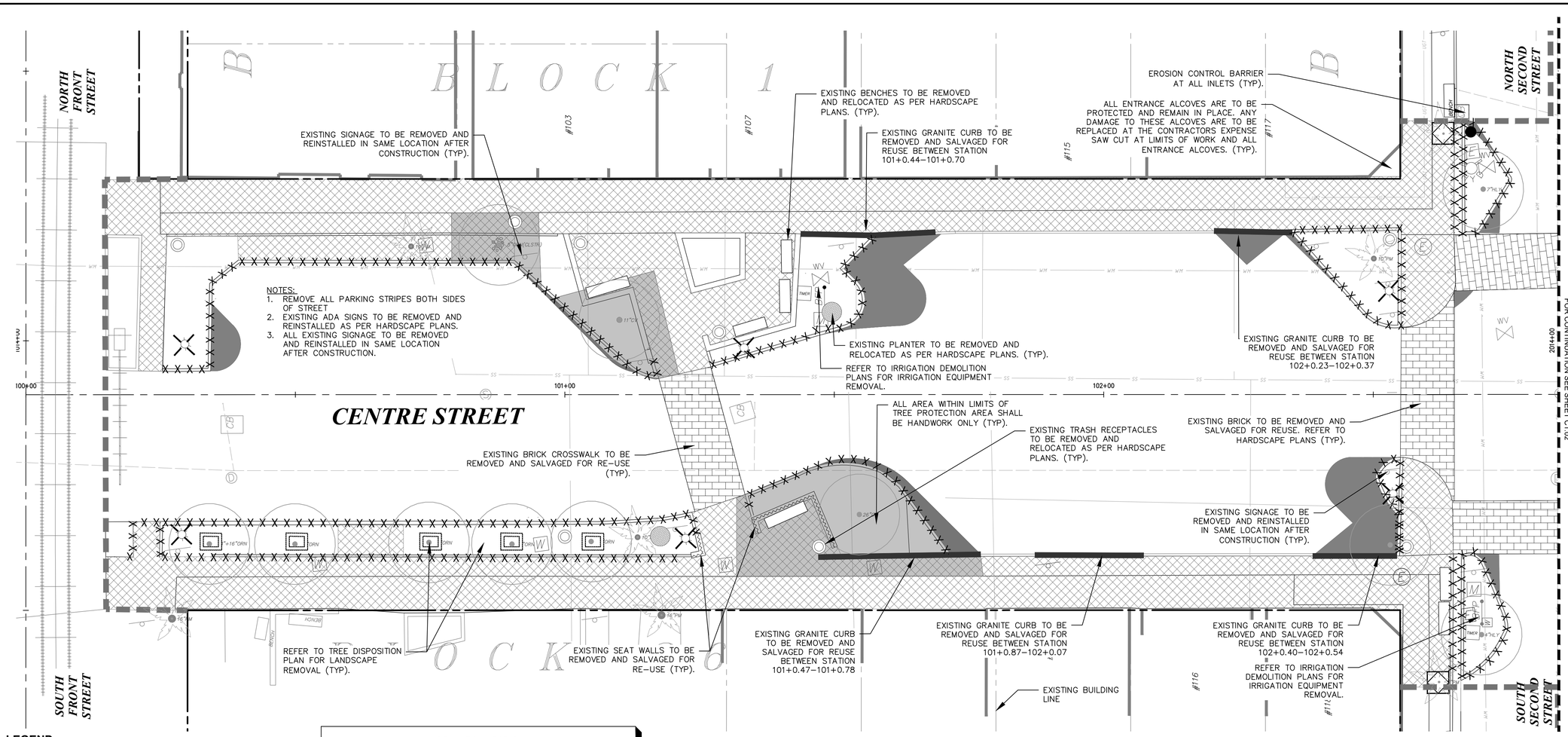
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.04

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.04 January 08, 2025 11:19:59am K:\JAX_LAP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\C0.04 KEY MAP.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM — COM — COM — PROPOSED ELECTRIC

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

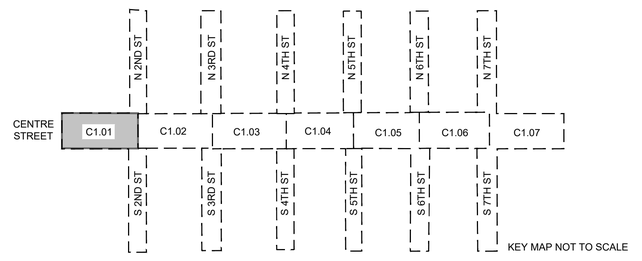
DEMOLITION LEGEND

- EXISTING ELECTRICAL OUTLET
- EXISTING TREE GRATE TO BE REMOVED
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
- EXISTING PLANTER TO BE REMOVED AND RELOCATED
- EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
- X X X X EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING SEAT WALL TO BE REMOVED
- EXISTING BENCH TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- TREE PROTECTION AREA (HANDWORK ONLY)
- EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE–USE
- EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
- EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE–USE
- EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
- EROSION CONTROL BARRIER
- EXISTING TREE
- EXISTING OFF–SITE TREE
- EXISTING PALM TREE
- EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.

DEMOLITION NOTES

1. ANY ITEMS TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO THE EXISTING CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE.
2. REMOVE AND SALVAGE ALL CITY–OWNED SITE FURNISHINGS (TRASH CANS, BENCHES, ETC.), ELECTRICAL BOXES, SIGNS, BOLLARDS, PARKING METERS, AND BIKE RACK POSTS WITHIN THE PROJECT LIMITS UNLESS NOTED OTHERWISE. STOCKPILE ALL ITEMS FOR REINSTALLATION ON THIS PROJECT AS REQUIRED FOR CITY USE.
3. REFER TO TREE DISPOSITION, DEMOLITION, AND PLANTING PLANS FOR TREE REMOVAL, RELOCATION, AND PROTECTION INFORMATION. ANY AREAS WHERE CONCRETE OR ASPHALT ARE TO BE REMOVED, ALL BASE AND SUBGRADE MATERIAL SHALL BE REMOVED TO A DEPTH OF 2 FEET UNLESS WITHIN TREE PROTECTION AREA.
4. ALL VALVE BOXES, MANHOLES, CATCH BASINS, AND OTHER ITEMS TO REMAIN SHALL BE ADJUSTED TO PROPOSED GRADE.
5. THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN.THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
6. THIS DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT IS NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROFESSIONAL LANDSCAPE ARCHITECT IMMEDIATELY.
7. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION AND DEWATERING PERMITS, IF APPLICABLE.
8. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE.
9. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THE CONSTRUCTION DRAWINGS UNLESS OTHERWISE DIRECTED BY THE DEVELOPER OR AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
10. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
11. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
12. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
13. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS TO BE PROTECTED IN PAVEMENT REMOVAL AREAS. CONTRACTOR SHALL REPLACE DAMAGED STRUCTURES AT THEIR EXPENSE.
14. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. AS APPROVED BY THE CITY OF FERNANDINA BEACH AND CONSTRUCTION MANAGER.
15. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF EXISTING FACILITIES AND CONSTRUCTION OF NEW FACILITIES. SIGNAGE SHALL BE POSTED TO DIRECT THE PUBLIC TO THE PATH OF TRAVEL.
16. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
17. CONTRACTOR MUST COORDINATE THE LIMITS OF UTILITY DEMOLITION WITH UTILITY PROVIDERS.
18. ADDITIONAL CONCRETE SUB SLAB REMOVAL FOR MISCELLANEOUS UTILITY INSTALLATION (LIGHT POLES, WATER SERVICES, UTILITY BOX COVERS, BOLLARDS, ETC.) WILL BE REQUIRED.



GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

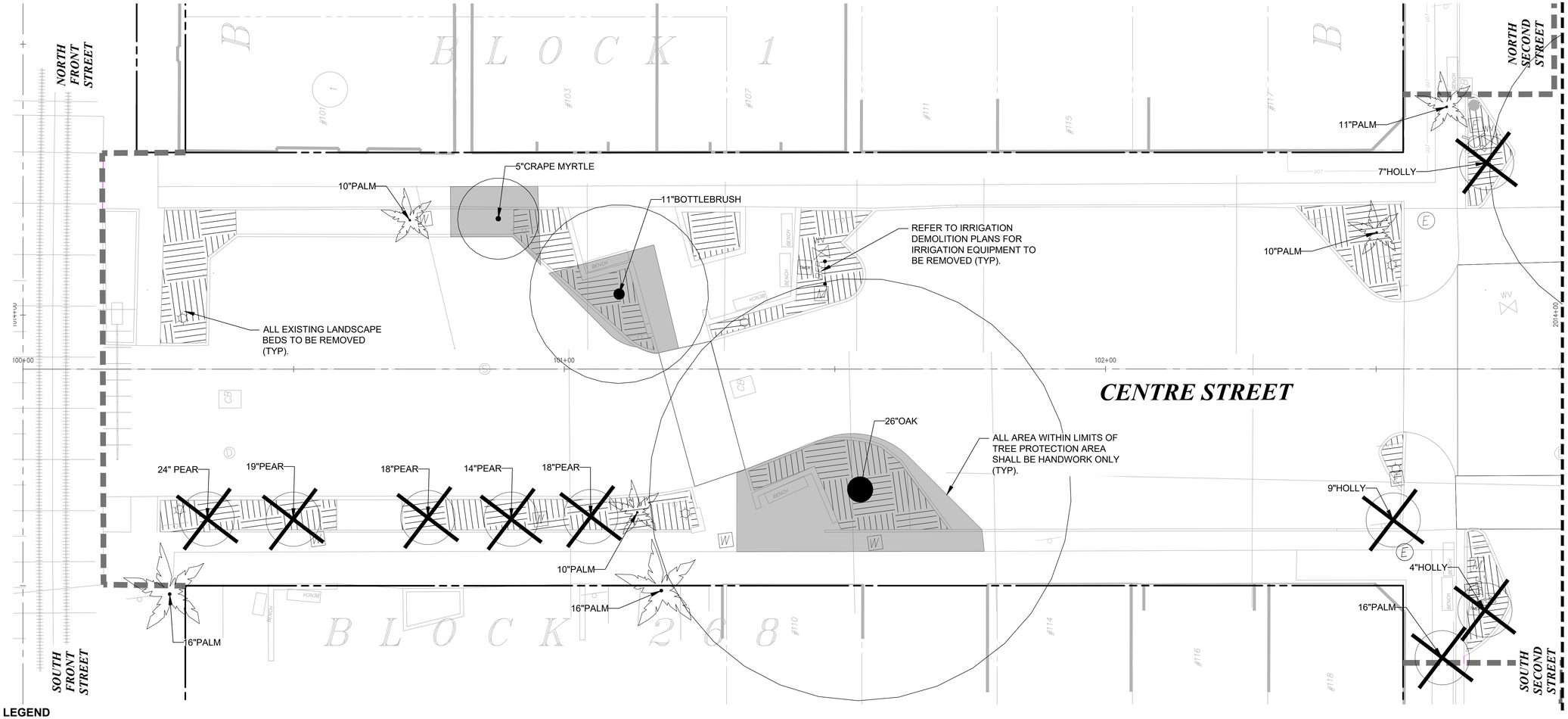
DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C1.01

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C1.01 January 08, 2025 10:53:14am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM COM COM	PROPOSED ELECTRIC

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN
- TREE TO BE REMOVED

ROOT PRUNING:

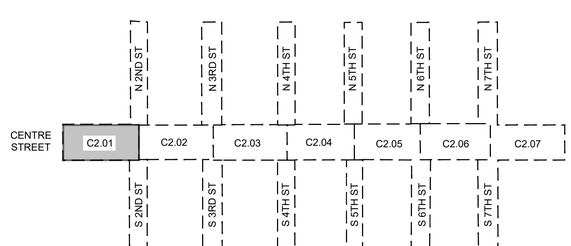
1. THE LANDSCAPE ARCHITECT HAS OBSERVED TREES THAT COULD BE IMPACTED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
2. IF CONSTRUCTION ACTIVITIES OCCUR WITHIN THE DRIPLINE (OR THE HORIZONTAL EXTENT OF THE CANOPY) OF A TREE, THEN THAT TREE IS A CANDIDATE FOR ROOT PRUNING.
3. ROOT PRUNING MUST OCCUR PRIOR TO TRENCHING OPERATIONS TO ENSURE THAT THE ROOTS ARE CUT CLEAN AND AT PROPER ANGLES AND NOT MECHANICALLY RIPPED FROM THE EARTH DURING CONSTRUCTION.
4. FOR TREES REQUIRING ROOT PRUNING, A TREE ASSESSMENT SHALL BE CONDUCTED, AND A ROOT-PRUNING PLAN SHALL BE DEVELOPED BY A CERTIFIED ARBORIST OR CONSULTING ARBORIST. THIS PLAN SHOULD IDENTIFY:
   - MAXIMUM ALLOWABLE SIZE OF ROOTS TO BE CUT
   - ALLOWABLE PROXIMITY TO THE TRUNK FOR CUTS
   - TIME OF YEAR WHEN ROOT CUTTING IS ALLOWABLE (NOTE: IN FLORIDA, IT IS BEST TO AVOID ROOT PRUNING DURING TIMES OF THE MAY THROUGH SEPTEMBER, WHEN THE POTENTIAL FOR DAMAGING WIND LOADS ON TREES ORE GREATEST.)
   - METHOD FOR MAKING CUTS
   - MITIGATING CANOPY PRUNING
   - TYPE AND EXTENT OF NECESSARY STRUCTURAL SUPPORT
   - SCHEDULE FOR WATERING/FERTILIZATION AFTER PRUNING
5. IMPLEMENT THE ROOT PRUNING PLAN PER THE ARBORISTS RECOMMENDATION.

TREE/PALM:

1. AN ISA - CERTIFIED ARBORIST OR A CERTIFIED LANDSCAPE CONTRACTOR CERTIFIED BY THE FLORIDA NURSERYMEN AND GROWERS ASSOCIATION SHALL PERFORM AND MONITOR ALL TREE/PALM ROOT PRUNING.
2. CONTRACTOR SHALL STAKE AND GUY ALL TREES/PALMS AS PER DETAILS PROVIDED IN THIS CONSTRUCTION SET. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND/OR REPAIR OF STAKING AND GUYING DURING THE WARRANTY PERIOD. ALL TREES/PALMS SHALL BE BRACED AT LEAST ONE (1) YEAR OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
3. SOIL BACKFILL FOR THE INSTALLATION OF TREES, PALMS, SHRUBS, AND GROUND COVERS SHALL BE UNIFORM MIX OF 25% WELL-ROTTED COMPOST, 25% TOPSOIL, AND 50% CLEAN, WEED-FREE LOOSENED NATIVE SOIL BACKFILL.
4. CONTRACTOR SHALL SUBMIT MANUFACTURERS CERTIFIED ANALYSIS FOR SOIL AMENDMENTS TO THE OWNER'S REPRESENTATIVE.
5. CONTRACTOR SHALL PAY TO HAVE THE BACKFILL LAB TESTED IF REQUESTED BY THE OWNER'S REPRESENTATIVE. NON-SOLUBLE WETTING AGENT SHALL BE ADDED TO THE BACKFILL PER THE MANUFACTURER'S SPECIFICATIONS.

NOTE:

1. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL VEGETATION SPECIFIED TO REMAIN. REFER TO TREE PROTECTION NOTES AND DETAILS ON SHEET C3.50.
2. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.



KEY MAP NOT TO SCALE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
C2.01

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.01 January 08, 2025 10:29:27am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.50 January 08, 2025 10:30:00am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TREE MITIGATION SPECIFICATIONS

A. GENERAL

1. CONTRACTOR SHALL ADHEAR TO ALL TREE PROTECTION REQUIREMENTS LISTED IN THESE SPECIFICATIONS AND/OR THOSE LISTED IN THE CITY OR COUNTY ZONING CODE, TREE PROTECTION (LATEST EDITION), WHICHEVER IS MORE STRINGENT SHALL APPLY.
2. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PROCEDURES WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
3. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATION MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE.
4. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED FROM THIS PROHIBITION.
5. EXISTING TREE LOCATIONS AND SIZES ARE ESTIMATES AND ARE BASED ON A SURVEY PROVIDED BY THE OWNER SELECTED SURVEYOR.
6. CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH PERMITTING AGENCY AND PROJECT ARBORIST PRIOR TO CONSTRUCTION. NO PERSON MAY REMOVE OR CAUSE TO BE REMOVED ANY PROTECTED TREE OR PALM WITHOUT FIRST HAVING PROCURED A PERMIT AS PROVIDED BY THE APPROPRIATE PERMITTING AGENCY.
7. FOR PROTECTED TREES OR PALMS BEING REMOVED, THE CONTRACTOR MUST GIVE THE PERMITTING AGENCY REASONABLE OPPORTUNITY TO RELOCATE TREES DESIGNATED FOR REMOVAL TO ANOTHER SITE AT THE PERMITTING AGENCY'S EXPENSE.
8. CONTRACTOR IS RESPONSIBLE FOR POSSESSING ALL REQUIRED APPLICATOR LICENSES, BUSINESS REGISTRATIONS AND INSURANCE, PESTICIDE LABELS, AND MATERIAL DATA SAFETY SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING ALL SPILL CONTAINMENT MATERIALS AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR PESTICIDE APPLICATIONS AND ACCIDENTAL SPILLS ON SITE AT ALL TIMES. THE OWNER RESERVES THE RIGHT TO INSPECT EACH APPLICATOR AND HAVE THESE MATERIALS PRESENTED BEFORE AND DURING ANY PESTICIDE TREATMENT.
9. WHERE TRAFFIC AREAS ARE PROPOSED WITHIN THE DRIP LINE OF PROTECTED TREES AND LESS THAN FOUR (4) INCHES OF GRADE CHANGE ARE PROPOSED, PERMEABLE SURFACES THAT ALLOW AIR AND WATER INTO THE SOIL SHOULD BE USED IN LIEU OF ASPHALT OR OTHER SUCH IMPERVIOUS SURFACES.
10. TREE WELLS OF AN APPROVED DESIGN SHALL BE CONSTRUCTED AROUND ALL TREES TO BE PRESERVED WHEN MORE THAN FOUR INCHES OF FILL IS TO BE DEPOSITED WITHIN THE DRIP LINE AREA OF THOSE TREES. COORDINATE WITH PROJECT ARBORIST.
11. THE SEQUENCE OF TREE MITIGATION AND PRESERVATION MEASURES IS IMPERATIVE TO THE HEALTH AND SURVIVABILITY OF THE SUBJECT TREES AND SHALL BE COORDINATED WITH THE OWNER SELECTED PROJECT ARBORIST. THE DESIRED SEQUENCE IS OUTLINED BELOW:
    a. TREE PROTECTION FENCING.
    b. ROOT PRUNING AND ROOT BARRIERS.
    c. CLEARING.
    d. TREE CANOPY PRUNING.
    e. FERTILIZATION.
    f. INSECTICIDE.
    g. IRRIGATION.

B. TREE PROTECTION FENCING

1. PRIOR TO THE ERECTION OF ANY TREE PROTECTION FENCING, ALL FOREIGN SURFACE MATERIAL, TRASH OR DEBRIS SHALL BE REMOVED FROM THE AREA TO BE ENCLOSED BY THE FENCING. AFTER ERECTION OF THE FENCING NO SUCH MATERIAL OR LITTER SHALL BE PERMITTED TO REMAIN WITHIN THE PROTECTED AREA.
2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL PROTECTED TREES TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING, LAND ALTERATION, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
3. NATIVE GROUND COVER AND UNDERSTORY VEGETATION EXISTING WITHIN THE PROTECTED AREA SHALL REMAIN THROUGHOUT CONSTRUCTION. OTHER DESIGNATED VEGETATION AND INVASIVE PLANT SPECIES SHALL BE REMOVED ONLY BY MANUAL LABOR UTILIZING HAND TOOLS, OR BY OTHER METHODS APPROVED BY THE PROJECT ARBORIST.
4. TREE PROTECTION FENCING TYPES AND LOCATIONS SHALL BE ERECTED AS SHOWN ON THE TREE MITIGATION PLANS AND DETAILS, OR AS REQUESTED BY LOCAL AGENCY.
5. FINAL LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ARBORIST.
6. NO MATERIALS, EQUIPMENT, SPOIL, WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED, OR PARKED WITHIN 20 FEET OF THE TREE PROTECTION ZONE.
7. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE.
8. CONSTRUCTION ACTIVITY SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
9. DO NOT INSTALL CONDUIT, DRAIN OR IRRIGATION LINES, OR ANY UTILITY LINE WITHIN THE TREE PROTECTION ZONE WITHOUT THE APPROVAL OF THE PROJECT ARBORIST. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
10. CONTRACTOR'S ACCESS TO FENCED TREE PROTECTION AREAS WILL BE PERMITTED ONLY WITH APPROVAL OF THE PROJECT ARBORIST.
11. EXCAVATION OR GRADING REQUIRED WITHIN THE PROTECTED AREA SHALL BE LIMITED TO THREE (3) INCHES OF CUT OR FILL. COORDINATE WITH PROJECT ARBORIST.
12. STRUCTURES AND UNDERGROUND FEATURES TO BE REMOVED WITHIN THE TREE PROTECTION ZONE SHALL BE COORDINATED WITH THE PROJECT ARBORIST.
13. TREE PROTECTION FENCING AROUND TREES TO BE RELOCATED SHALL BE ERECTED UNTIL THE TREE IS READY TO BE RELOCATED AND NEW FENCING SHALL BE ERECTED AT THE TREES NEW LOCATION AND WILL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE.
14. IF ANY DAMAGE TO TREE PROTECTION FENCING SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIRS.
15. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE PROTECTED AREA OF TREES TO BE PRESERVED, A ROAD BED OF SIX (6) INCHES OF MULCH OR GRAVEL SHALL BE CREATED TO PROTECT THE SOIL. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A SIX (6) INCH ROAD BED AT ALL TIMES. CONTRACTOR SHALL REMOVE ALL SUCH MATERIALS FROM THE SITE AS SOON AS TEMPORARY ACCESS IS NO LONGER NECESSARY.
16. CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST PRIOR TO THE REMOVAL OF ALL TREE PROTECTION FENCING.

C. ROOT PRUNING/TRENCHING

1. TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE PROJECT ARBORIST.
2. TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE PROJECT ARBORIST. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
5. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

D. CLEARING

1. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH HAND-OPERATED EQUIPMENT.
2. CONTRACTOR SHALL CLEAR ALL TREE PROTECTION AREAS OF VINES, SHRUBS, GROUND COVERS, WEEDS, SAPLINGS, AND INVASIVES LISTED ON THE LATEST EDITION OF THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE SPECIES.
3. PROJECT ARBORIST MUST APPROVE METHODS OTHER THAN HAND CLEARING.
4. A TWO (2) INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES DURING THE SITE CLEARING PHASE.

E. TREE CANOPY PRUNING

TREE PRUNING SPECIFICATIONS SHALL BE DEFINED BASED ON SPECIFIC RECOMMENDATIONS OF THE PROJECT ARBORIST. INFORMATION PRESENTED BELOW SHOULD BE USED AS A GUIDELINE.

1. CONTRACTOR SHALL VISIT THE SITE WITH THE PROJECT ARBORIST TO VERIFY THE EXTENT OF REQUIRED PRUNING.
2. ALL PRUNING SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST OR AN AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA) REGISTERED CONSULTING ARBORIST (RCA).
3. AT LEAST ONE MEMBER OF THE PRUNING CREW SHALL BE AN ISA CERTIFIED ARBORIST.
4. WHILE IN THE TREE, THE ARBORIST SHALL PERFORM AN AERIAL INSPECTION TO IDENTIFY DEFECTS THAT REQUIRE TREATMENT. ANY ADDITIONAL WORK NEEDED SHALL BE REPORTED TO THE OWNER.
5. PRUNING CUTS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI A300 PRUNING STANDARD (AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS) AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI Z133.1 SAFETY STANDARD. PRUNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ISA'S "BEST MANAGEMENT PRACTICES: TREE PRUNING".
6. WHERE TEMPORARY CLEARANCE IS NEEDED FOR ACCESS, BRANCHES SHALL BE TIED BACK TO HOLD THEM OUT OF THE CLEARANCE ZONE.
7. NO MORE THAN 20 PERCENT OF LIVE FOLIAGE SHALL BE REMOVED WITHIN ANY TREE.
8. ALL TREES WITHIN THE PROJECT AREA SHALL BE PRUNED AS FOLLOWS:
    a. LIVE BRANCH PRUNING SHOULD BE PERFORMED ONLY WHEN THE DANGER OF INSECT OR DISEASE INFESTATION IS NOT PRESENT.
    b. REMOVE STUBS, CUTTING OUTSIDE THE WOUND WOOD TISSUE THAT HAS FORMED AROUND THE BRANCH.
    c. CLEANING, FOR THE SELECTIVE REMOVAL OF DEAD, DISEASED, BROKEN, OR CROSSING BRANCHES DOWN TO ONE INCH IN DIAMETER OR AS DIRECTED BY THE PROJECT ARBORIST.
    d. PRUNING CUTS LARGER THAN 4 INCHES IN DIAMETER, EXCEPT FOR DEAD WOOD, SHALL BE AVOIDED.
    e. PRUNING CUTS THAT EXPOSE HEARTWOOD SHALL BE AVOIDED WHENEVER POSSIBLE.
    f. ALL TREES WITH CROWNS THAT PROJECT INTO PARKING LOT/ROADWAY AREAS SHALL BE RAISED TO 14 FEET ABOVE FINISHED GRADE.
    g. ALL TREES WITH CROWNS THAT PROJECT INTO SIDEWALK AREAS SHALL BE RAISED TO A HEIGHT OF 8 FEET ABOVE FINISHED GRADE.
9. TREES, WHO'S ROOT SYSTEMS WILL BE IMPACTED SHALL RECEIVE THE FOLLOWING PRUNING TO COMPENSATE FOR ROOT LOSS:
    a. THE LOCATION AND SIZE OF BRANCHES FOR REDUCTION SHALL BE DEFINED BY THE PROJECT ARBORIST.
    b. REDUCTION, OR THE SELECTIVE PRUNING TO REDUCE TREE HEIGHT OR SPREAD.
    c. REDUCE END WEIGHT ON HEAVY, HORIZONTAL BRANCHES BY SELECTIVELY REMOVING SMALL DIAMETER BRANCHES, NO GREATER THAN 2 TO 3 INCHES, NEAR THE ENDS OF SCAFFOLD BRANCHES.
    d. RAISING SHALL CONSIST OF SELECTIVE PRUNING TO PROVIDE VERTICAL CLEARANCE.
10. PROPOSED/REPLACEMENT TREES
    a. PRUNING SHALL BE LIMITED TO CLEANING.
11. BRUSH SHALL BE CHIPPED AND SPREAD (ONLY WHEN DISEASE OR INSECT INFESTATION IS NOT PRESENT) UNDERNEATH TREES WITHIN THE TREE PROTECTION ZONE TO A MAXIMUM DEPTH OF THREE (3) INCHES, LEAVING THE TRUNK CLEAR OF MULCH.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS DEBRIS ON A DAILY BASIS.

F. FERTILIZATION

1. CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
2. EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
3. ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
4. TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
    a. MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
    b. MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER. AGITATE MIX.
    c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
    d. THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
    e. FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
    f. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.

G. INSECTICIDE

7. NOTIFY PROJECT ARBORIST IF ANY INFESTATION IS NOTICED.
8. FOLLOW PROJECT ARBORIST'S RECOMMENDED PROCEDURES.
9. FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS CONCERNING APPLICATION. READ ALL WARNING LABELS.
10. ANY PETS, AS WELL AS, THE PETS FOOD AND WATER BOWLS SHOULD BE REMOVED FROM THE AREA AND ANY SWIMMING POOLS SHOULD BE COVERED. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
11. ENSURE COMPLETE COVERAGE AND REAPPLY 2-3 MONTHS AFTER INITIAL APPLICATION UTILIZING SAME PROCEDURE.

H. IRRIGATION

1. EVERY EFFORT SHALL BE MADE TO WATER THE PRESERVED TREES AND TRANSPLANTS. CONTRACTOR SHALL IRRIGATE BY HAND OR BY TEMPORARY IRRIGATION.
2. IRRIGATE AS REQUIRED BY PROJECT ARBORIST UNTIL PERMANENT IRRIGATION IS INSTALLED AND OPERATING.
3. UNDERGROUND IRRIGATION SHALL NOT BE INSTALLED WITHIN THE DRIP LINES OF EXISTING TREES UNLESS ROOT PROTECTION MEASURES ARE PROVIDED AND APPROVED BY PROJECT ARBORIST.

I. TREE REMOVALS

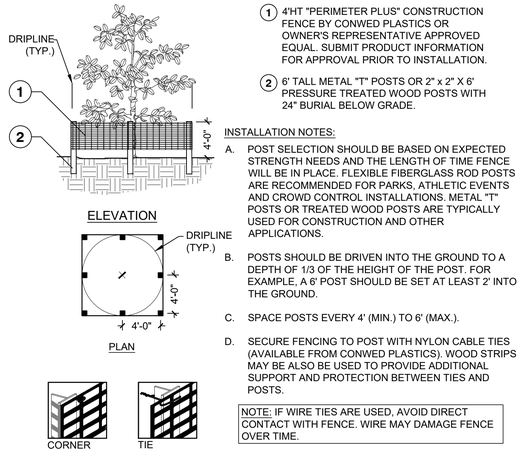
1. PRIOR TO AND DURING LAND CLEARING, INCLUDING GRUBBING, ALL TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY PROJECT ARBORIST WITH RED SURVEY RIBBONS AT 36 INCHES MINIMUM ABOVE GRADE.
2. CONTRACTOR SHALL REMOVE ALL TREES AS SHOWN ON THE TREE MITIGATION PLANS AFTER THE TREE PROTECTION FENCING IS INSTALLED.
3. ALL TREES SHOWN TO BE REMOVED SHALL BE FELLED WITH A CHAIN SAW AND STUMP GROUND 6" BELOW SURFACE. ANY TREE SHOWN TO BE REMOVED THAT IS IN AN AREA WHERE COMPACTION IS CRITICAL SHALL BE FELLED WITH A CHAIN SAW AND STUMP REMOVED BY CONTRACTOR.
4. ALL WOOD AND STUMPS FROM REMOVALS SHALL BE HAULED FROM THE SITE THE SAME DAY, EXCEPT FOR TOPS. ALL TOPS ARE TO BE MULCHED AND STOCKPILED OR HAULED DIRECTLY TO MULCHED AREAS FOR RELOCATED TREES IF SCHEDULING PERMITS. TOPS SHALL BE CHIPPED AND PLACED IN THE TREE PROTECTION ZONE TO A DEPTH OF THREE (3) INCHES. ALL EXCESS WOOD CHIPS SHOULD BE HAULED OFF SITE AFTER TRANSPLANTING IS COMPLETE.
5. ALL BURN PITS IF APPLICABLE MUST BE APPROVED BY THE PROJECT ARBORIST AND OWNER.
6. TREES TO BE REMOVED THAT HAVE BRANCHES EXTENDING INTO THE CANOPY OF TREES TO REMAIN MUST BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST AND NOT BY DEMOLITION OR CONSTRUCTION CONTRACTORS. THE QUALIFIED ARBORIST SHALL REMOVE THE TREE IN A MANNER THAT CAUSES NO DAMAGE TO THE TREES AND UNDERSTORY VEGETATION TO REMAIN.
7. TREES TO BE REMOVED LOCATED WITHIN THE TREE PROTECTION ZONE SHALL BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST. THE TREES SHALL BE CUT NEAR GROUND LEVEL AND THE STUMP GROUND OUT.

J. TOPSOIL

8. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
9. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.
10. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE (1) INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.
11. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR (4) INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.
12. PROJECT ARBORIST SHALL APPROVE ALL TOPSOIL PRIOR TO PLACEMENT.

K. REPAIR OF DAMAGED TREES

1. IF DAMAGE TO ANY TREE SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE DURING THE CONSTRUCTION PERIOD, THE PROJECT ARBORIST SHALL APPRAISE THE DAMAGE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPAIR BY THE CONTRACTOR.
2. IF ANY TREE DESIGNATED TO BE SAVED IS REMOVED FROM THE SITE WITHOUT PERMISSION OF THE OWNER'S REPRESENTATIVE, THE PROJECT ARBORIST SHALL APPRAISE THE TREE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE TREE AND ANY FEES THAT MAY BE ASSESSED TO THE OWNER BY THE GOVERNING AGENCY.



1. 4'HT "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 6' TALL METAL "T" POSTS OR 2" x 2" X 6' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 4' (MIN.) TO 6' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

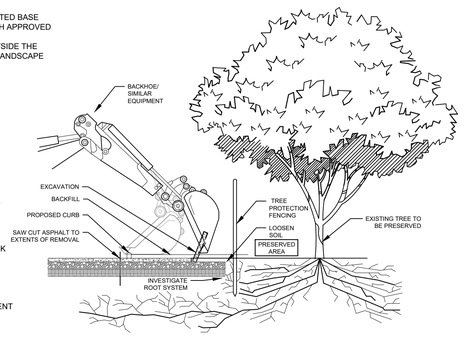
NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

1 TREE PROTECTION FENCING

NTS JAX-FG-12

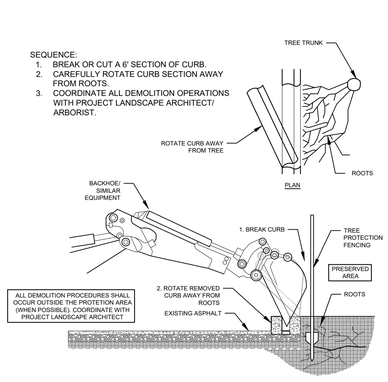
NOTES:
CONTRACTOR TO REMOVE ASPHALT AND ASSOCIATED BASE MATERIAL TO EXISTING SOIL DEPTH. BACKFILL WITH APPROVED SOIL MIXTURE.
ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST PRIOR TO DEMOLITION.

SEQUENCE:
1. INSTALL PROTECTION FENCE.
2. SAW-CUT A LINEAR SECTION OF ASPHALT.
3. CAREFULLY EXCAVATE PAVING TO SUB-GRADE BY PEELING BACK ASPHALT.
4. INVESTIGATE TO DETERMINE EXTENT OF ROOT SYSTEM.
a. NO ROOT GROWTH- EXCAVATE FROM BACK OF CURB TO EXTENT OF PROPERTY IMPROVEMENTS.
b. ROOT GROWTH- ROOT PRUNE PER PLAN.
c. INSTALL A 20 MIL ROOT BARRIER AT ROOT PRUNE LINE. LOOSEN SOIL WITH HAND TOOLS OR AIR-SPADE THROUGHOUT EXTENT OF EXPANDED PLANTING AREA.



PAVEMENT DEMOLITION PROCEDURE

SEQUENCE:
1. BREAK OR CUT A 6' SECTION OF CURB.
2. CAREFULLY ROTATE CURB SECTION AWAY FROM ROOTS.
3. COORDINATE ALL DEMOLITION OPERATIONS WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST.



CURB DEMOLITION PROCEDURE

2 / C3.50 PAVEMENT DEMOLITION PROCEDURE

NTS JAX-FE-FBH-16

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

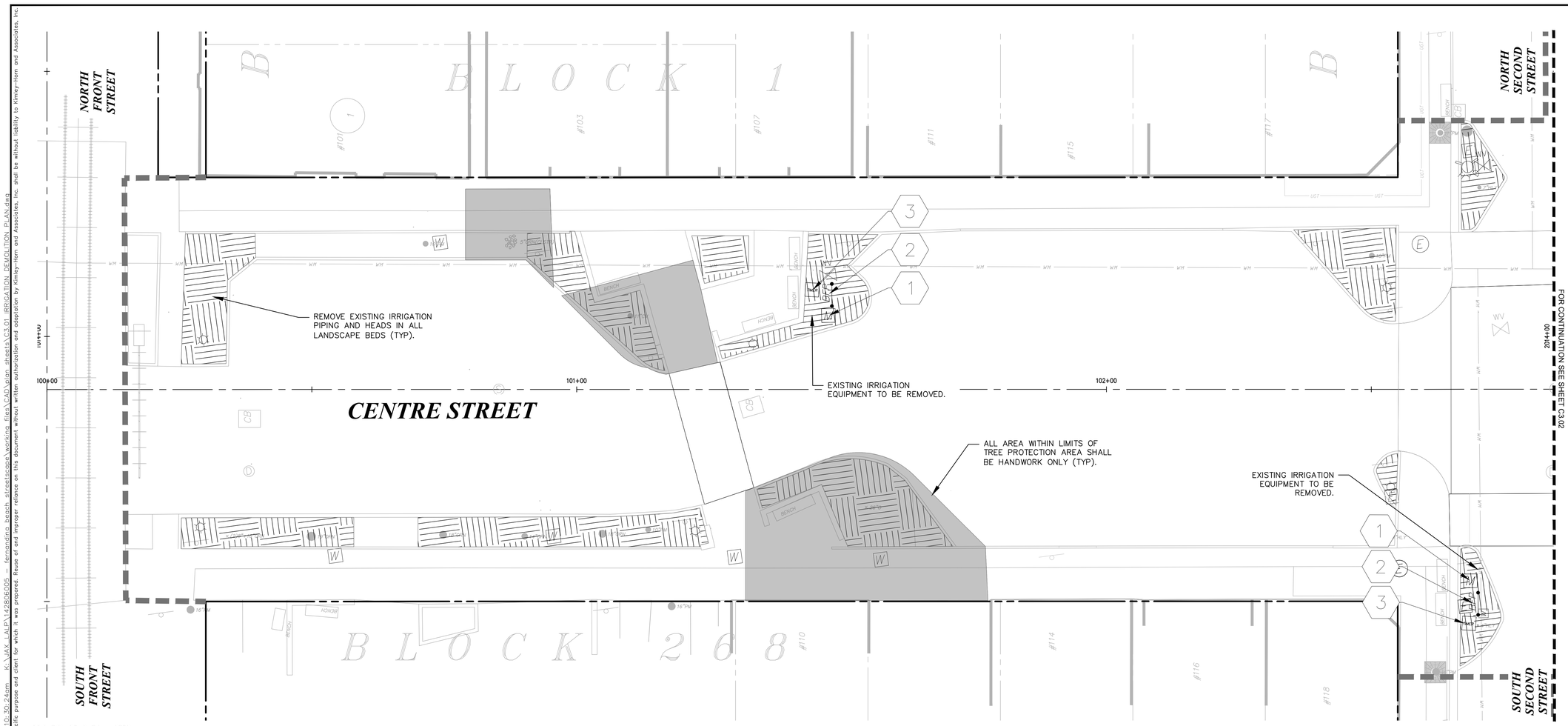
FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005	DESIGNED BY: KHA
DATE 01/08/2025	DRAWN BY: NL
SCALE: AS SHOWN	CHECKED BY: MAJ

TREE DISPOSITION NOTES & DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.50



IRRIGATION DEMOLITION NOTES:

1. ANY ITEMS TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO THE EXISTING CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE.
2. REMOVE AND SALVAGE ALL CITY-OWNED IRRIGATION EQUIPMENT (IRRIGATION PIPES, VALVES, METERS TIMERS, IRRIGATION PIPE SLEEVING, ETC.).
3. REFER TO TREE DISPOSITION, DEMOLITION, AND PLANTING PLANS FOR TREE REMOVAL, RELOCATION, AND PROTECTION INFORMATION. ANY AREAS WHERE CONCRETE OR ASPHALT ARE TO BE REMOVED, ALL BASE AND SUBGRADE MATERIAL SHALL BE REMOVED TO A DEPTH OF 2 FEET UNLESS WITHIN TREE PROTECTION AREA.
4. REFER TO DEMOLITION PLAN FOR SITE FURNISHING AND HARDSCAPING REMOVAL AND ANY PROTECTION INFORMATION.
5. ALL VALVE BOXES, MANHOLES, CATCH BASINS, AND OTHER ITEMS TO REMAIN SHALL BE ADJUSTED TO PROPOSED GRADE.
6. THE INTENT OF THE IRRIGATION DEMOLITION PLAN IS TO DEPICT EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN.THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS IRRIGATION DEMOLITION PLAN.
7. THIS IRRIGATION DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY.
8. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION AND DEWATERING PERMITS, IF APPLICABLE.
9. ALL IRRIGATION FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED AND TO BE REMOVED FROM THE SITE.
10. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THE CONSTRUCTION DRAWINGS UNLESS OTHERWISE DIRECTED BY THE DEVELOPER OR AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
11. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
12. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
13. ALL IRRIGATION EQUIPMENT NEAR TREE PROTECTION AREAS TO HAND DUG ONLY TO AVOID INTERFERING WITH EXISTING TREE ROOTS.
14. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS ARE TO BE PROTECTED IN PAVEMENT REMOVAL AREAS. CONTRACTOR SHALL REPLACE DAMAGED STRUCTURES AT THEIR EXPENSE.
15. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. AS APPROVED BY THE CITY OF WEST PALM BEACH AND CONSTRUCTION MANAGER.
16. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF EXISTING FACILITIES AND CONSTRUCTION OF NEW FACILITIES. SIGNAGE SHALL BE POSTED TO DIRECT THE PUBLIC TO THE PATH OF TRAVEL.
17. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
16. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE, UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
17. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.
18. CONTRACTOR MUST COORDINATE THE LIMITS OF UTILITY DEMOLITION WITH PROPOSED PLANS.
19. ADDITIONAL CONCRETE SUB SLAB REMOVAL FOR MISCELLANEOUS UTILITY INSTALLATION (LIGHT POLES, WATER SERVICES, UTILITY BOX COVERS, PARKING METERS, BOLLARDS, ETC.) WILL BE REQUIRED.
20. REFER TO UTILITY PLANS FOR DETAILS ON LIMITS AND PHASING OF WATER AND SEWER DEMOLITION.

LEGEND

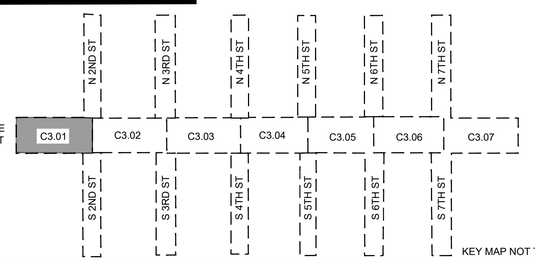
- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM — COM — COM — PROPOSED ELECTRIC

IRRIGATION DEMOLITION LEGEND

- EXISTING TREE PROTECTION AREA (CRITICAL ROOT ZONE AREAS MUST BE DONE BY HAND).
- EXISTING IRRIGATION EQUIPMENT IN LANDSCAPE BED TO BE REMOVED
- (1) M — EXISTING WATER METER TO BE REMOVED
- (2) BFP — EXISTING BACKFLOW PREVENTER TO BE REMOVED
- (3) TIMER — EXISTING IRRIGATION CONTROLLER TO BE REMOVED

NOTES:

1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.



KEY MAP NOT TO SCALE

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	
DATE	01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	
DRAWN BY: NL	
CHECKED BY: MAJ	

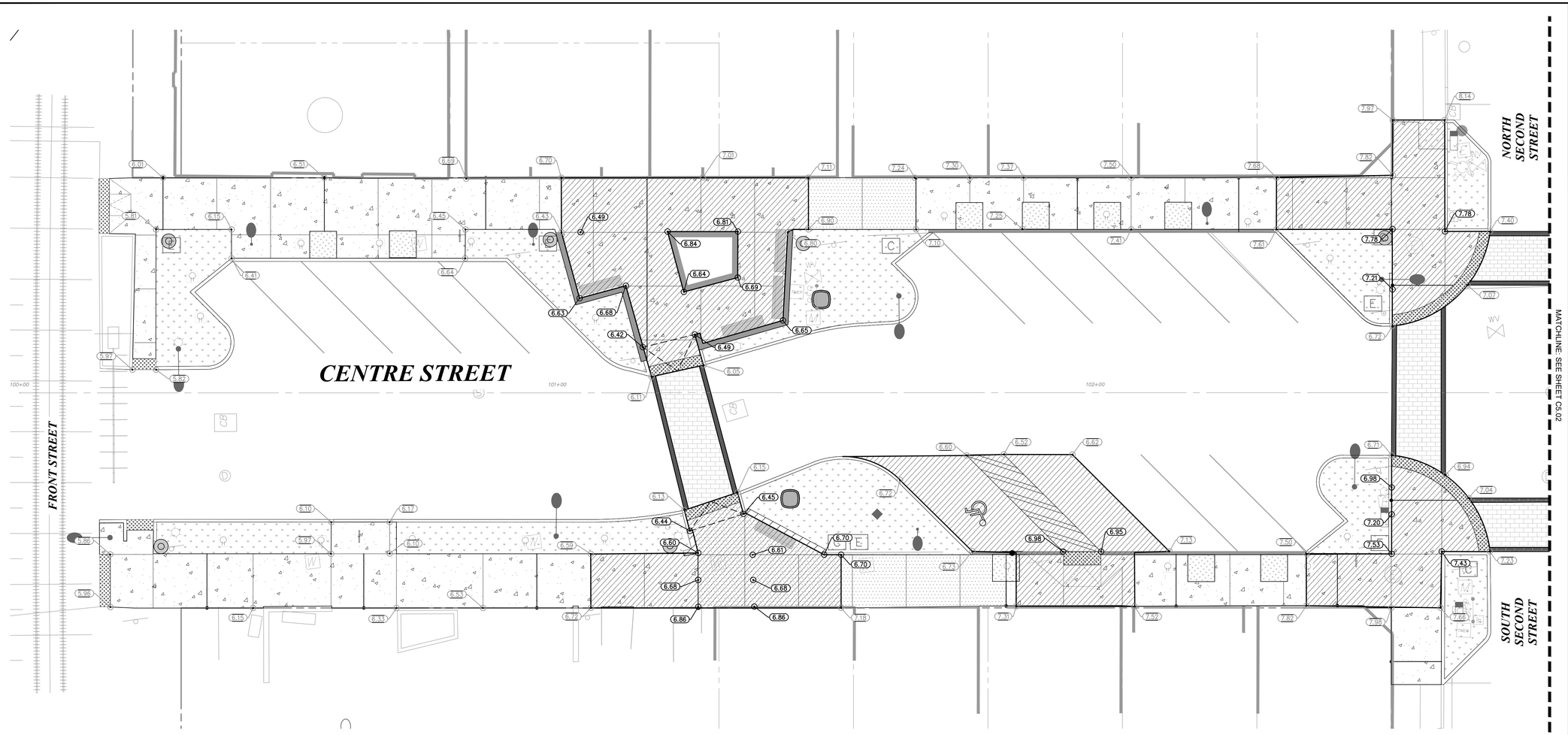
IRRIGATION DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C3.01

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C3.01 January 08, 2025 10:30:24am K:\JAX_LA\EV142806005 — fernandina beach streetscape\working files\CAD\xlay sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
D	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: CRZ
DRAWN BY: CRZ
CHECKED BY: BSD

GRADING AND DRAINAGE PLAN

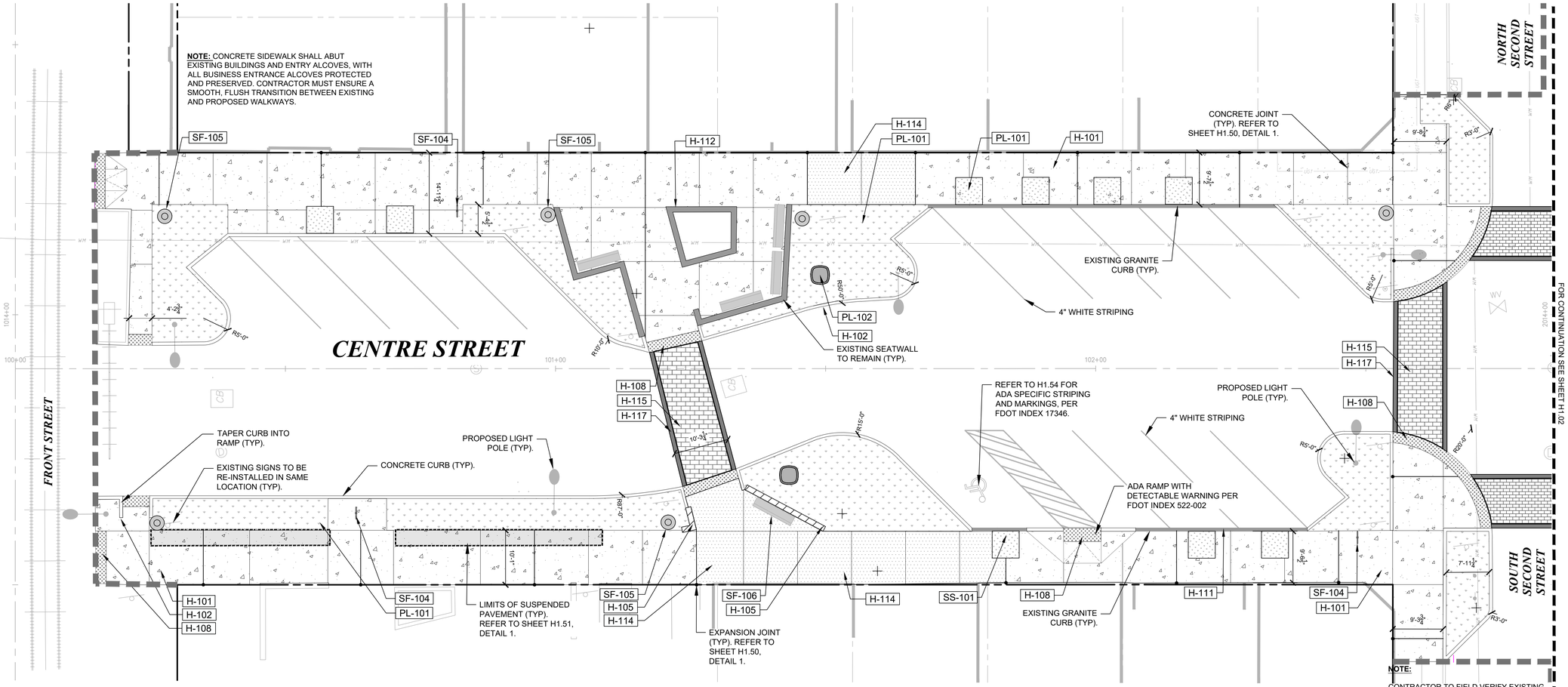
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C5.01

Plotted By: Zhannonet Charles Sheet Set: ########## Layout: C5.01 January 08, 2025 09:45:39am K:\JAX_LAI\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CAD\Print Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



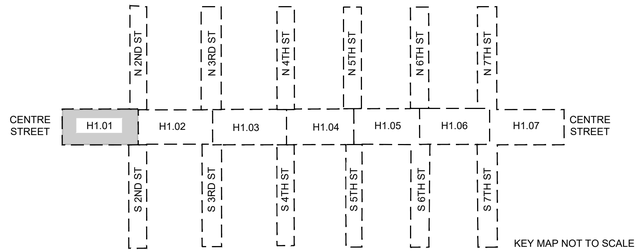
HARDSCAPE SCHEDULE - H1.01

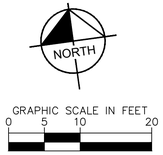
SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,825 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,127 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	49 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	219 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	243 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	228 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	891 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	580 SF	
	H-117	CONCRETE BAND - CROSSWALKS	365 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,474 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	2	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	5	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

LEGEND

- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM — COM — COM — PROPOSED ELECTRIC





NOTE:

CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL
REFER TO CD.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.01

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.01 January 08, 2025 10:32:05am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL HARDSCAPE SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	33,041 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	10,222 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	534 LF	2/H1.53
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	1,448 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	2,129 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	1,329 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	490 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	8,919 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	5,149 SF	
	H-117	CONCRETE BAND - CROSSWALKS	2,702 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	21,284 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	17	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	26	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	36	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	46	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	8	

HARDSCAPE SCHEDULE - H1.01

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,825 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,127 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	49 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	219 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	243 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	228 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	891 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	580 SF	
	H-117	CONCRETE BAND - CROSSWALKS	365 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,474 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	2	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	5	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.02

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	7,242 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,940 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	194 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	273 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	160 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	194 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,698 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	989 SF	
	H-117	CONCRETE BAND - CROSSWALKS	390 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,161 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	17	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	4	

HARDSCAPE SCHEDULE - H1.03

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,451 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,520 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	141 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	218 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	310 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	141 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,150 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	759 SF	
	H-117	CONCRETE BAND - CROSSWALKS	493 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,929 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	11	4/H1.53

HARDSCAPE SCHEDULE - H1.04

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,892 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,810 LF	3/H1.52
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	222 SF	1/H1.54
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	468 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	448 LF	4/H1.52
	H-115	BRICK CROSS WALK - PROPOSED	885 SF	
	H-117	CONCRETE BAND - CROSSWALKS	410 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	3,080 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	5	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - REINSTALLED & TO REMAIN IN PLACE	7	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.05

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	4,237 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,607 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	66 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	204 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	209 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	99 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,938 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	1,012 SF	
	H-117	CONCRETE BAND - CROSSWALKS	450 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,374 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	6	4/H1.53

HARDSCAPE SCHEDULE - H1.06

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,609 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,138 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	190 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	646 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,623 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	732 SF	
	H-117	CONCRETE BAND - CROSSWALKS	467 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,595 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.07

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,785 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	954 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	121 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	309 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	74 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	619 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	192 SF	
	H-117	CONCRETE BAND - CROSSWALKS	127 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,321 SF	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	2	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

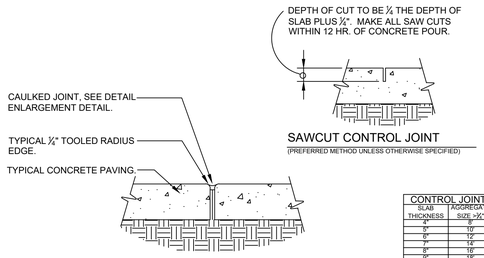
HARDSCAPE PLAN SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.08 January 08, 2025 10:33:47am K:\JAX_LAP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

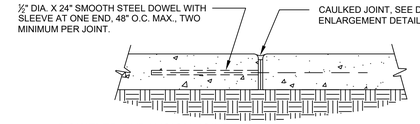


CAULKED EXPANSION JOINT

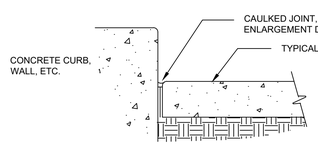
SAWCUT CONTROL JOINT

(PREFERRED METHOD UNLESS OTHERWISE SPECIFIED)

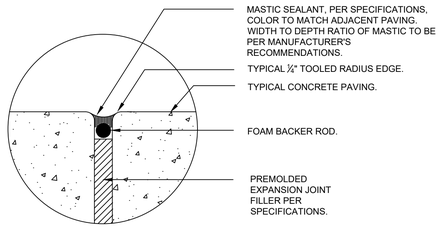
CONTROL JOINT SPACING		
SLAB THICKNESS	AGGREGATE SIZE >¾"	AGGREGATE SIZE <¾"
4"	8'	10'
5"	10'	13'
6"	12'	15'
7"	14'	18'
8"	16'	20'
9"	18'	23'
10"	20'	25'



DOWELED EXPANSION JOINT



CONCRETE PAVING AT VERTICLE PLANE

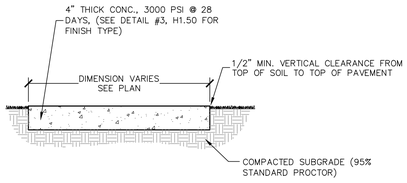


ENLARGED TYPICAL CAULKED JOINT

1 TYPICAL CONCRETE JOINT DETAILS

NTS: SCALE

JAX-FE-14



CEMENT: ASTM C150/C150M, TYPE I - NORMAL PORTLAND TYPE, AQUIRE CEMENT FOR ENTIRE PROJECT FROM SAME SOURCE.

SAND: LOCALLY AVAILABLE SAND

AGGREGATE: COQUINA MAX. ¾", AQCUIRE AGGREGATE FOR ENTIRE PROJECT FROM SAME SOURCE.

CURING COMPOUND: INTENT IS FOR TEXTURE TO MATCH CONCRETE SIDEWALK AT WATERFRONT PARK. ADD MIXTURES:

- HIGH RANGE WATER REDUCING AND RETARING ADMIXTURE: ASTM C494.C494M TYPE G.
- HIGH RANGE WATER REDUCING ADMIXTURE: ASTM C494/C494M TYPE F.
- DO NOT USE CHEMICAL THAT WILL RESULT IN SOLUBLE CHLORIDE IONS IN EXCESS OF 0.1 PERCENT BY WEIGHT OF CEMENT.

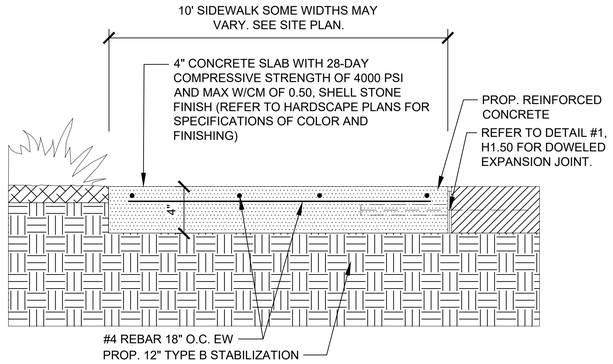
1. A PRE JOB CONFERENCE IS RECOMMENDED BETWEEN OWNER, ENGINEER, LANDSCAPE ARCHITECT, READY-MIX REPRESENTATIVE, AND INSTALLER TO DISCUSS PROJECT APPLICATION AND REVIEW SUBMITTALS.
2. ALL CONCRETE MUST BE BATCHED FROM THE SAME LOCATION.
3. A 10'X10' MOCKUP MUST BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE, SHOWING SHELL STONE (OR ALTERNATIVE) FINISH TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. MOCKUP LOCATION TO BE OFF-SITE AT A LOCATION MUTUALLY AGREED-UPON BY THE CONTRACTOR AND OWNER.
4. PRECAUTIONS MUST BE TAKEN IN HOT WEATHER TO PREVENT PLASTIC CRACKING RESULTING FROM EXCESSIVELY RAPID DRYING AT SURFACE AS DESCRIBED IN CIP 5"PLASTIC SHRINKAGE CRACKING" PUBLISHED BY THE NATIONAL READY MIXED CONCRETE ASSOCIATION.

FINISH:
A. SHELL STONE FINISH

2 CONCRETE SIDEWALK FINISHES

NTS

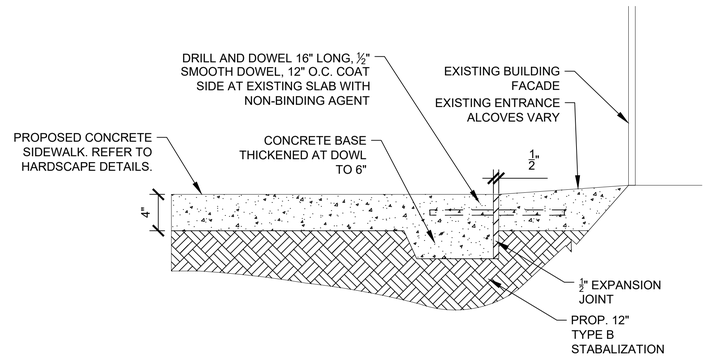
JAX-FE-FBH-15



3 DECORATIVE CONCRETE TREATMENT

6" = 1'-0"

JAX-FE-FBH-34



PRODUCT: SCOFIELD INTEGRAL COLOR SG
MANUFACTURER: SIKA

237 SAND BUFF
237 CORONADO BUFF
447 PRAIRIE BEIGE
447 SCHOONER BEIGE
FINISH: SHELL STONE
SEE HARDSCAPE PLANS FOR SPECIFIC PLACEMENT

CONTRACTOR TO COORDINATE WITH THE PROJECT LANDSCAPE ARCHITECT AND CITY OF FERNANDINA BEACH REPRESENTATIVE FOR FINAL COLOR SELECTION. PROVIDE 6'X6' MOCKUP FOR EACH COLOR OPTION WITH SHELLSTONE TEXTURED FINISH.

4 CENTRE STREET SIDEWALK INTEGRAL COLOR OPTIONS

1" = 10'

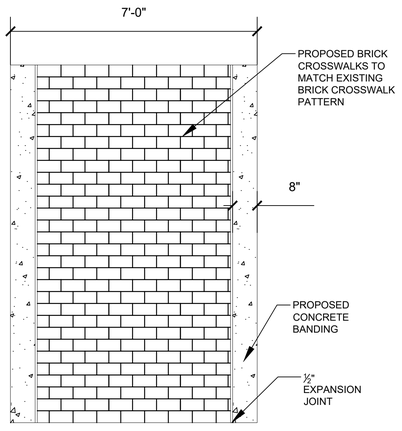
JAX-FE-FBH-41

CONCRETE BAND - STRUCTURAL EDGE:

1. STRENGTH: MINIMUM 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. MIX DESIGN: CONCRETE MIX
3. COLOR: AS SPECIFIED IN DETAIL #4, H1.50
4. EXPANSION JOINT MATERIAL: PRE-MOLDED EXPANSION JOINT FILLER, ½" THICK SUITABLE FOR OUTDOOR USE
5. BONDING AGENT: CONCRETE BONDING ADHESIVE FOR BONDING NEW CONCRETE TO ADJACENT SURFACES AS NECESSARY.
6. CONCRETE BANDING SHALL BE POURED INTO THE FRAMEWORK, ON BOTH SIDES OF PEDESTRIAN BRICK CROSSWALK.

NOTE:

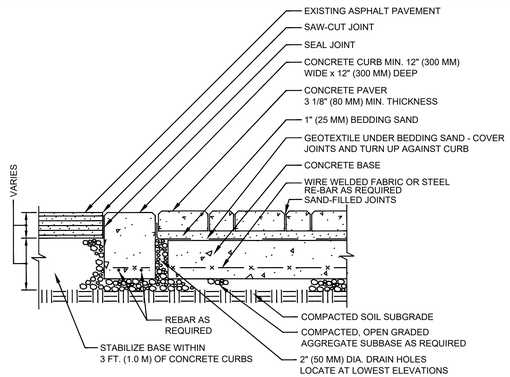
1. EXISTING BRICK CROSSWALKS TO MAINTAIN ITS ORIGINAL PATTERN
2. EXCESS BRICKS REMOVED FOR CONCRETE BANDING SHALL BE RE-PURPOSED FOR PROPOSED BRICK CROSSWALKS.



5 REINFORCED CONCRETE SIDEWALK

1 1/2" = 1'-0"

JAX-FE-FBH-37



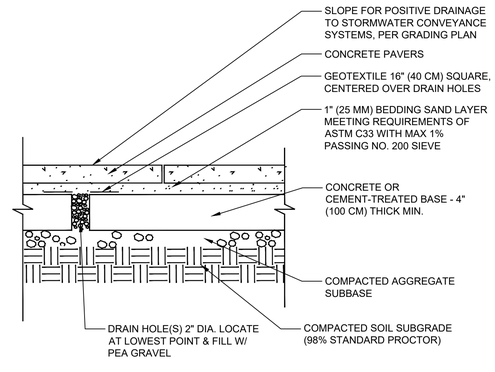
NOTE:

1. BASE THICKNESS AND REINFORCING VARIES WITH TRAFFIC, CLIMATE AND SUBGRADE CONDITIONS.
2. CONCRETE BASE MINIMUM 2% SLOPE FROM CENTERLINE TO CURB.
3. DO NOT PROVIDE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2 FT. (0.6 M) FROM TOP OF SOIL SUBGRADE. PROVIDE DRAIN HOLES TO CATCH BASINS.

6 CONCRETE SIDEWALK ADJACENT TO EXISTING BUILDING ENTRANCE

1 1/2" = 1'-0"

JAX-FE-FBH-40



NOTES:

1. AGGREGATE SUBBASE AND SUBGRADE SOIL MAY REQUIRE DRAINS. DRAINAGE MAY BE ACHIEVED BY EITHER CONTINUOUS 2" WIDE SLOT OR 2" DIA. VOIDS AT 10" O.C./ FILLED WITH PEA GRAVEL AND COVERED WITH GEOTEXTILE.
2. COVER ENTIRE SURFACE OF CEMENT-TREATED BASE WITH GEOTEXTILE TO PREVENT LOSS OF BEDDING SAND IN SHRINKAGE CRACKS.

CONCRETE PAVERS:

STYLE 'A' - 4'X8' BELGARD HOLLAND ANTIQUE RED ADA PAVERS WITH TRUNCATED DOME. PAVERS TO BE LAID IN A RUNNING BOND PATTERN TO MATCH CROSSWALKS.

STYLE 'B' - 18" HEXAGONAL PAVERS SELECTED TO MATCH EXISTING HEXAGONAL PAVERS AS CLOSELY AS POSSIBLE. REFER TO SHEET H1.52, DETAIL 1 FOR PAVER LAYOUT.

NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS AND COLOR SAMPLES FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO CONSTRUCTION AS WELL AS SIEVE ANALYSIS FOR JOINT AND BEDDING SAND.

ALL JOINTS SAND-SWEPT USING POLYMERIC SAND COMPOUND AND WATERED IN PER MANUFACTURER'S SPECIFICATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR SUBGRADE PERORATION PER MANUFACTURER'S SPECIFICATIONS - INSTALL PER ICPI AND MANUFACTURER'S SPECIFICATIONS.

PRIMARY USE IS: CIVILIAN FOOT TRAFFIC

7 CONCRETE BANDING - CROSSWALK

1/2" = 1'-0"

JAX-FE-FBH-44

8 CROSSWALK ON CONCRETE BASE WITH SAND SETTING BED

NTS

DETAIL-FILE

9 CONCRETE PAVERS ON A CONCRETE BASE

NTS

JAX-FE-02

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FL 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.50

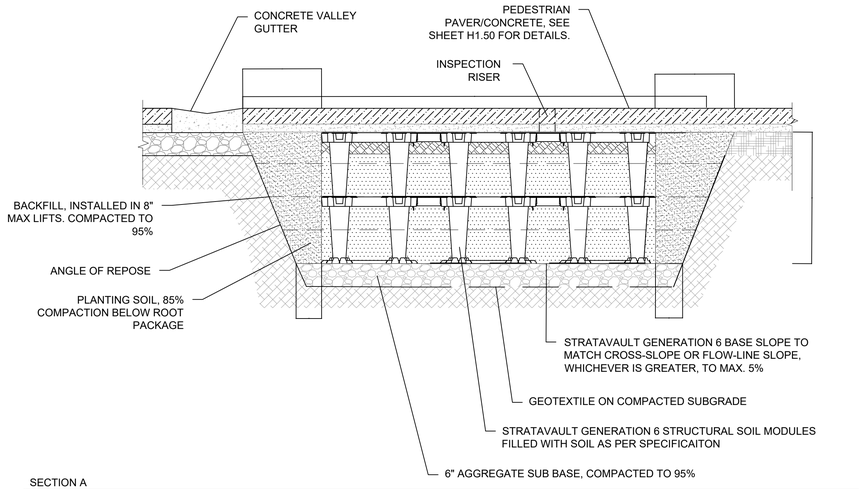
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.50 January 08, 2025 10:33:55am K:\JAX_LA\LP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

CITY GREEN

1. MANUFACTURER:
CITYGREEN
888-999-3990

2. MODEL:
STRATAVAULT

3. PRODUCT TO BE DESIGNED BY MANUFACTURER. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

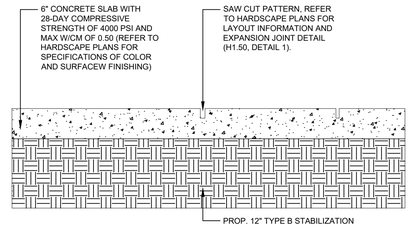


SECTION A
NOT TO SCALE

1 SUSPENDED PAVEMENT

NTS

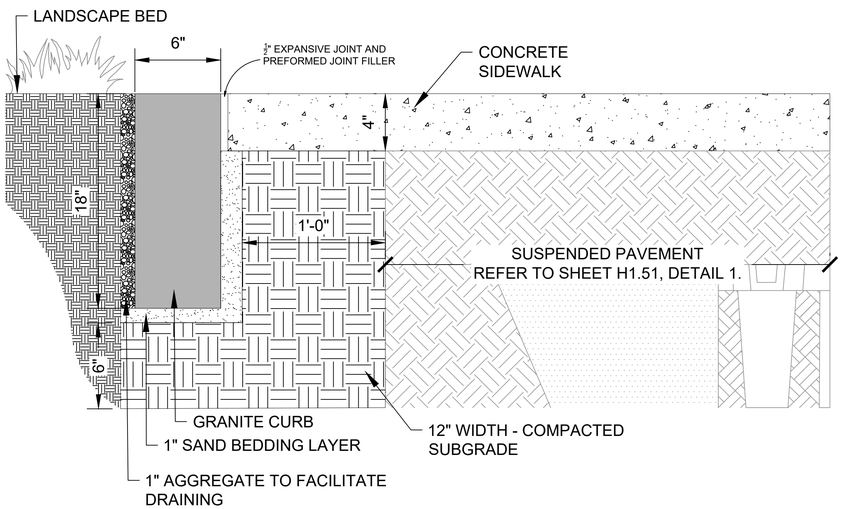
JAX-FE-FBH-48



2 VEHICULAR CONCRETE SECTION

1 1/2" = 1'-0"

JAX-FE-FBH-47



GRANITE CURB INTERFACING SUSPENDED PAVEMENT

- SUBRADE AND BEDDING MATERIAL AROUND SUSPENDED PAVEMENT IS TO BE COMPACTED BUT NOT OVER COMPACTED TO AVOID SOIL COMPACTION WITHIN THE CELLS.
- GRANITE CURB ABUTTING SUSPENDED PAVEMENT SHOULD BE FLUSHED AND DESIGNED TO ACCOUNT FOR OVERFLOWS AND DIRECT WATER TOWARDS DESIRED CATCHMENTS ZONES WITHOUT UNDERMINING SILVA CELLS/ SUSPENDED PAVEMENT.
- WHERE GRANITE CURB MEETS SUSPENDED PAVEMENTS, ANY JOINTS OR TRANSITIONS MUST BE SEALED TO PREVENT SOIL OR DEBRIS INFILTRATIONS.
- INSTALL SUSPENDED PAVEMENT FIRST TO PROTECTED ITS STRUCTURAL INTEGRITY AND ENSURE PROPER SOIL FILLING.
- GRANITE CURB TO HAVE A COMPACTED SUBGRADE AT LEAST 6-12 INCHES WIDER THAN THE CURB BASE ON BOTH SIDES TO PREVENT SETTLING.
- COMPACTED SUBGRADE DEPTH OF 6-8 INCHES.
- A GRANULAR BASE TO BE SELECTED FOR THE STRUCTURAL STABILITY OF THE GRANITE CURB.
- BEDDING LAYER TO BE A 1 INCH THICK LEVELING COURSE OF SAND OVER COMPACTED SUBGRADE FOR PRECISE PLACEMENT.
- COMPACT THE SUBGRADE AND GRANULAR BASE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY (ASTM D698)

3 GRANITE FLUSH CURB INTERFACING SUSPENDED PAVEMENT

2" = 1'-0"

JAX-FE-FBH-49

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

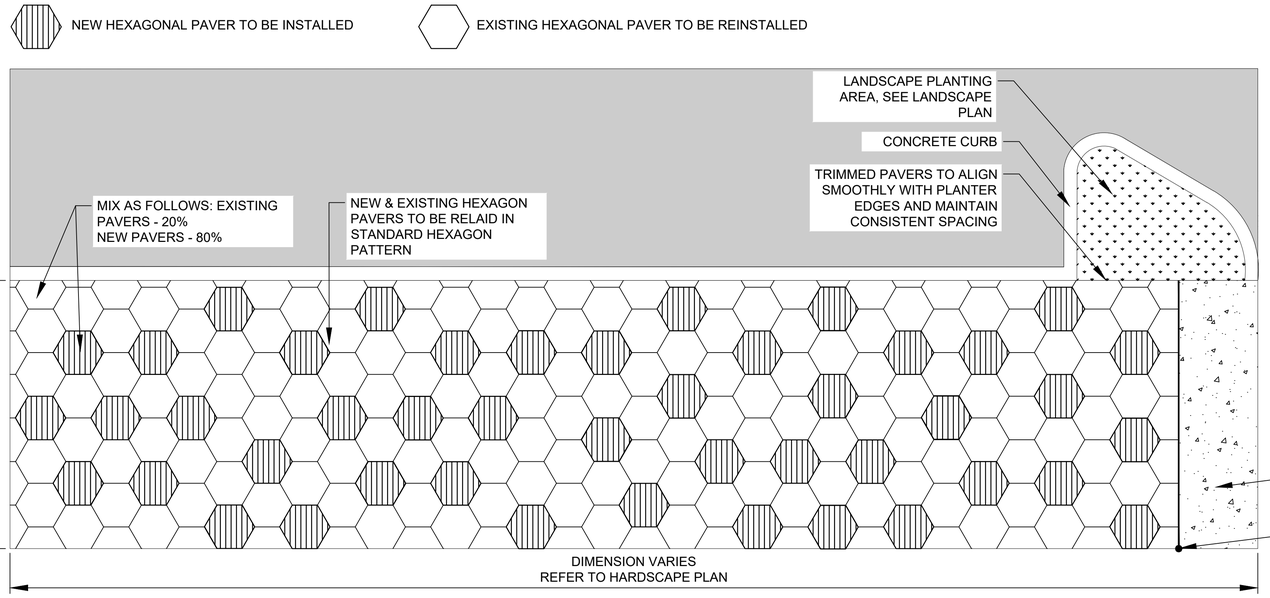
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.51 January 08, 2025 10:34:00am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\color sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTE:

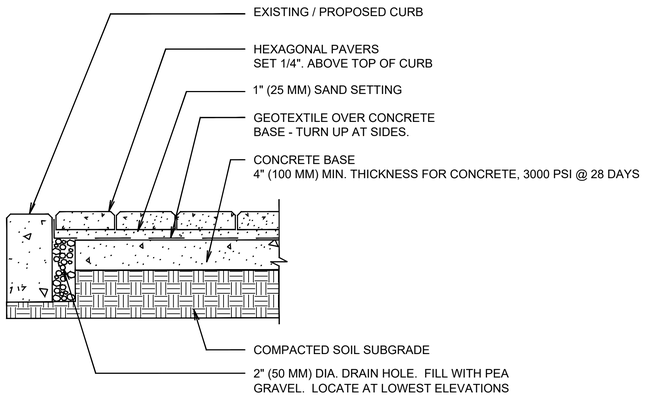
1. FLAT AND SMOOTH INSTALLATION (ADA COMPLIANCE):
- ENSURE ALL PAVERS ARE LAID FLAT AND LEVEL TO CREATE A SMOOTH, CONTINUOUS SURFACE.
- MINIMIZE VERTICAL DISPLACEMENT BETWEEN ADJACENT PAVERS TO NO MORE THAN 1/4 INCH AS PER ADA REQUIREMENTS.
- VERIFY THAT JOINT WIDTHS AND SAND-FILLED JOINTS DO NOT CREATE UNEVEN SURFACES OR TRIPPING HAZARDS.
- CONDUCT PERIODIC SURFACE CHECKS DURING INSTALLATION USING A STRAIGHTEDGE OR LEVEL TO CONFIRM COMPLIANCE WITH ADA SLOPE AND FLATNESS STANDARDS.
- ADDRESS ANY IRREGULARITIES IMMEDIATELY TO MAINTAIN A SAFE, ACCESSIBLE, AND COMPLIANT WALKING SURFACE.
- THIS NOTE EMPHASIZES PRECISION TO MEET ADA STANDARDS WHILE GUIDING THE INSTALLATION TEAM.
- CONTRACTOR TO MIX EXISTING AND NEW PAVERS RANDOMLY AS SHOWN

HEXAGONAL PAVER QUANTITY TO BE REMOVED & RE-USED
EXISTING HEXAGONAL PAVERS (OLD): 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE REMOVED: 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE RE-USED: 1,705 SF
HEXAGONAL PAVERS (NEW PAVERS): 2,342 SF
4" CONCRETE BASE FOR HEXAGONAL PAVERS: 4,047 SF

1 HEX PAVER PATTERN ENLARGEMENT

3/8" = 1'-0"

JAX-FE-FBH-26

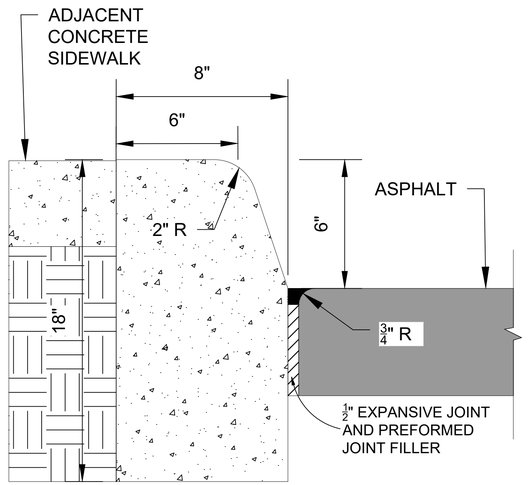


NOTES:
1. THICKNESS REQUIREMENTS WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE. COLDER CLIMATES MAY REQUIRE THICKER BASES.
2. CONSULT ICPI TECH SPEC 2 FOR GUIDELINES ON SPECIFICATIONS FOR BASE MATERIALS, SUBGRADE SOIL AND BASE COMPACTION.

2 HEXAGONAL PAVER ON SIDEWALK

1/16" = 1'-0"

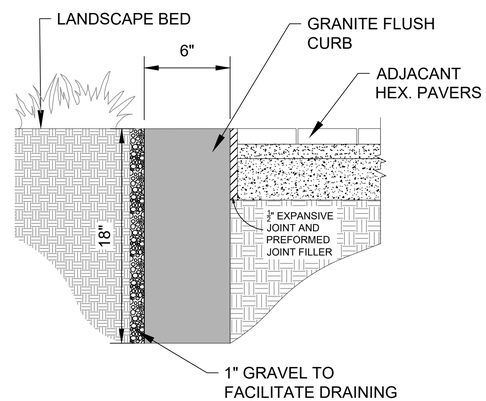
JAX-FE-FBH-35



3 CONCRETE CURB - TYPE 'D'

3" = 1'-0"

JAX-FE-FBH-39



4 GRANITE FLUSH CURB - RELOCATED & REINSTALLED

2" = 1'-0"

JAX-FE-FBH-42

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

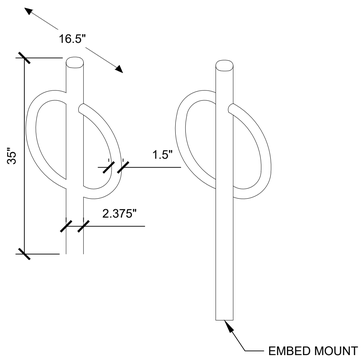
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

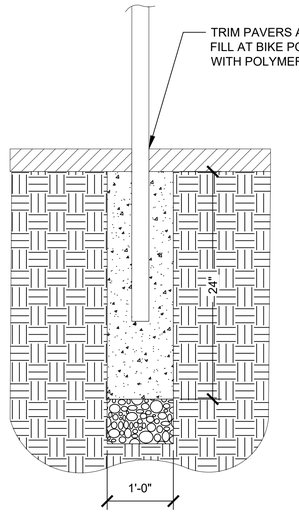
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.52 January 08, 2025 10:34:05am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





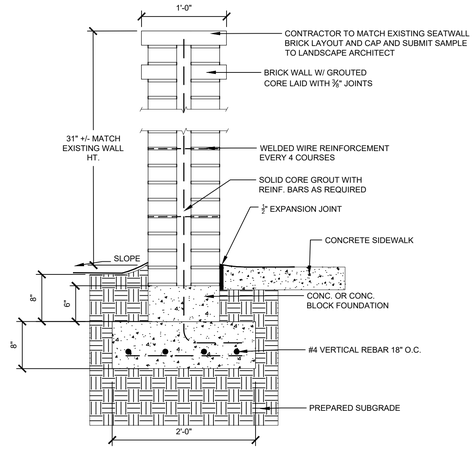
BIKE RACK - CITY OF FERNANDINA BEACH

1. MANUFACTURER: BELSON OUTDOORS
2. MODEL: PAR-2-IG-P GC-238 , STANDARD BOLLARD BIKE RACK WITH OPTIONAL GROUT COVER
3. FINISH: BLACK POWDER-COAT
4. INSTALL OWNER FURNISHED BIKE RACK PER MANUFACTURER'S SPECIFICATIONS, IN GROUND MOUNT
5. BIKE RACKS (NEW) QUANTITY: 20 BIKE RACKS.
6. RE-INSTALL BIKE RACKS EXISTING QUANTITY: 4 BIKE RACKS.

1 BIKE RACK

NTS

JAX-FE-36



2 BRICK SEAT WALL - RELOCATED & REINSTALLED

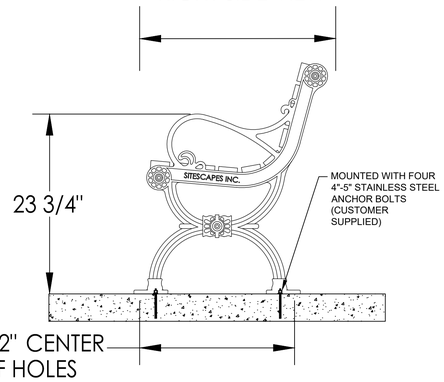
1" = 1"

JAX-FE-FBH-20

SITESCAPES SPECIFICATION: ARLINGTON DECORATIVE CAST END SEATING

(1.1) DESCRIPTION:
SECTIONS INCLUDES INFORMATION, MATERIALS, AND OPTIONS FOR PRODUCTS MANUFACTURES BY STIESCAPES, INC. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS

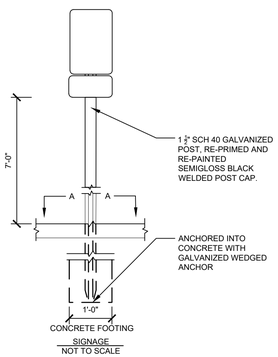
(3.2) INSTALLATION:
BENCHES MAY BE SURFACE MOUNTED USING THE HOLES THAT ARE PREDRILLED IN EACH OF THE FOOTPLATES. BENCHES ARE TO BE MOUNTED WITH FOUR Ø1/2" X 4-5" STAINLESS STEEL ANCHOR BOLTS, WHICH ARE CUSTOMER SUPPLIED. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL PRODUCT IS IN PLACE. THIS SITESCAPES, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.



3 EXISTING BENCH INSTALLATION

1/4" = 1'-0"

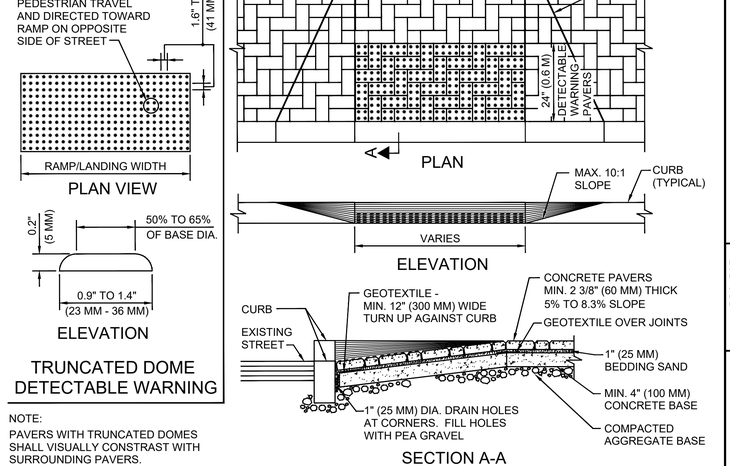
JAX-FE-38



5 SIGN REINSTALLATION

1" = 1'-0"

JAX-FE-24



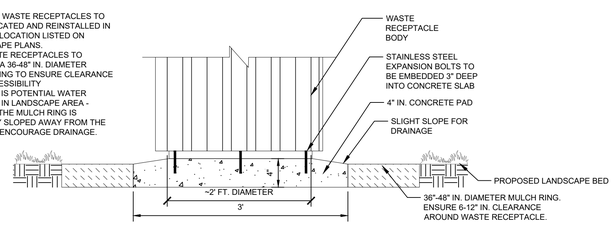
6 CONCRETE CURB RAMP - DETECTABLE WARNING PAVERS

1 1/2" = 1'-0"

JAX-FE-FBH-46

NOTES:

1. EXISTING WASTE RECEPTACLES TO BE RELOCATED AND REINSTALLED IN CHOSEN LOCATION LISTED ON HARDSCAPE PLANS.
2. ALL WASTE RECEPTACLES TO INCLUDE A 36-48" IN. DIAMETER MULCH RING TO ENSURE CLEARANCE FOR ACCESSIBILITY
3. IF THERE IS POTENTIAL WATER POOLING IN LANDSCAPE AREA - ENSURE THE MULCH RING IS SLIGHTLY SLOPED AWAY FROM THE BASE TO ENCOURAGE DRAINAGE.



4 WASTE RECEPTACLE REINSTALLATION

1" = 1'-0"

JAX-FE-FBH-23

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

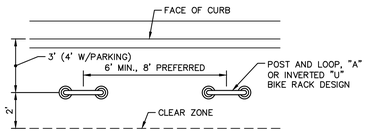
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

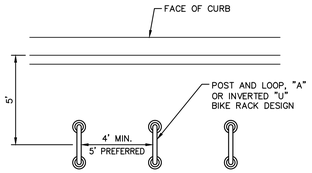
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.53

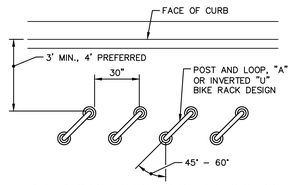
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.53 January 08, 2025 10:34:10am K:\JAX_LALP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



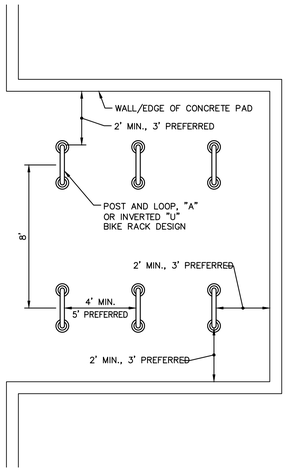
BIKE RACK SPACING - PARALLEL TO CURB



BIKE RACK SPACING - PERPENDICULAR TO CURB



BIKE RACK SPACING - ANGULAR TO CURB

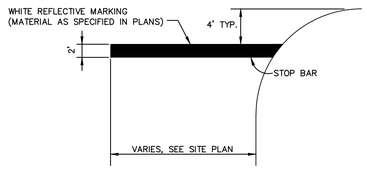


BIKE RACK SPACING - ADJACENT TO WALL

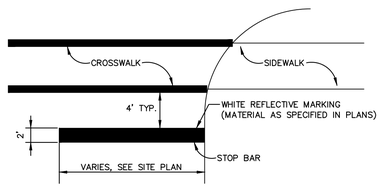
1 BIKE RACK SPACING

NTS

JAX-FE-FBH-50



WITHOUT CROSSWALK

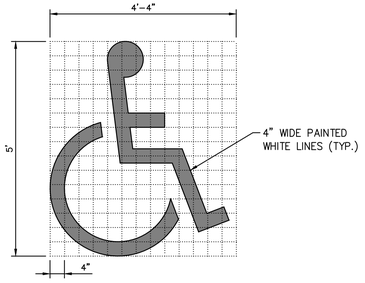


WITH CROSSWALK

3 STOP BAR

NTS

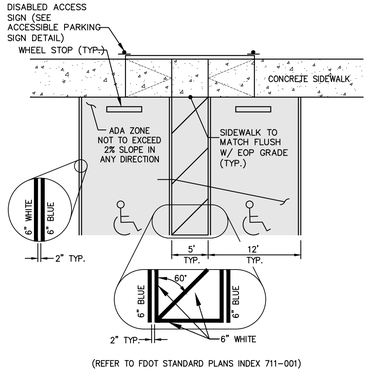
DETAIL-FILE



5 HANDICAPPED PARKING SYMBOL

NTS

DETAIL-FILE



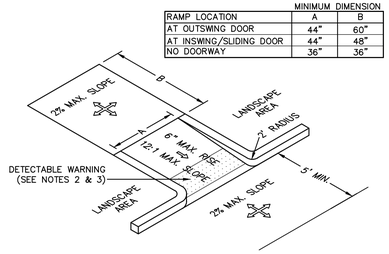
(REFER TO FDOT STANDARD PLANS INDEX 711-001)

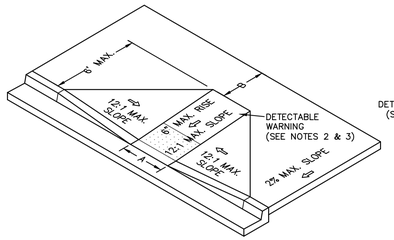
6 ADA PARKING

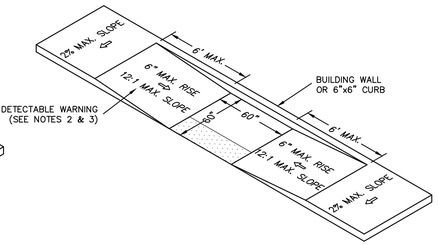
NTS

DETAIL-FILE

RAMP LOCATION	MINIMUM DIMENSION A	MINIMUM DIMENSION B
AT OUTSWING DOOR	44"	60"
AT INSWING/SLIDING DOOR	44"	48"
NO DOORWAY	36"	36"







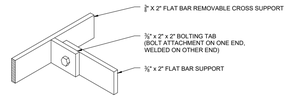
NOTES:

1. ALL CURB CUT ACCESSIBLE RAMPS AND DETECTABLE WARNING SURFACES SHALL BE INSTALLED BY THE SITE CONTRACTOR.
2. CURB RAMPS SUBJECT TO DEPARTMENT OF TRANSPORTATION REGULATION 49 CFR 37.21 SHALL HAVE A DETECTABLE WARNING COMPLYING WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND A MINIMUM OF 24" DEEP (MEASURED FROM THE BACK OF CURB ON THE RAMP SURFACE).
3. ALL DETECTABLE WARNING SURFACES FOR SIDEWALKS AT CURB CUT HANDICAP RAMP SHALL BE A COUNTY APPROVED YELLOW COLORED COMPOSITE MATERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA INSERTS ARE TO BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL CONFORM TO FDOT STANDARD PLANS INDEX 522-002, CODE OF FEDERAL REGULATIONS PART 36, AND CITY OF JACKSONVILLE STANDARDS.

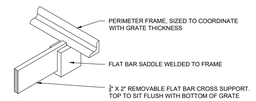
2 ACCESSIBLE RAMP

NTS

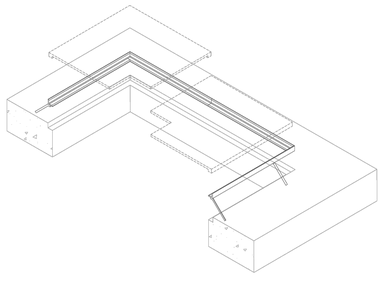
DETAIL-FILE



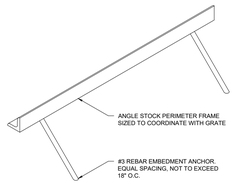
Type S - Isometric
SCALE: NTS



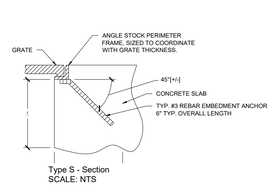
Type S - Isometric
SCALE: NTS



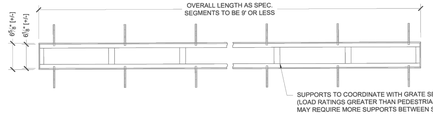
Type S - Exploded Assembly
SCALE: NTS



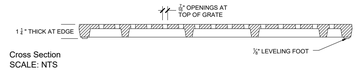
Type S - Isometric
SCALE: NTS



Type S - Section
SCALE: NTS



Example 6" Trench Frame - Plan
SCALE: NTS



Cross Section
SCALE: NTS

TRENCH GRATE:

MATERIAL: 18" X 24" TITLE WAVE TRENCH GRATE BY URBAN ACCESSORIES.

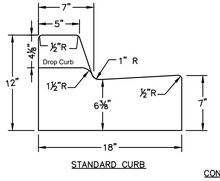
SPECS - TYPE S

TYPE S FRAMES ARE FOR PERMANENT INSTALLS INTO NEW CONCRETE W/O PAVERS. REBAR ANCHORING IS NOT PRE-BENT, BENDING TO BE DONE BY CONTRACTOR PRIOR TO INSTALLATION INTO CONCRETE.

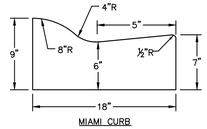
4 TRENCH GRATE

NTS

DETAIL-FILE



STANDARD CURB



MIAMI CURB

CONCRETE QUANTITIES:

CITY STANDARD CURB .0368889 CU. YD./LIN. FT.
MIAMI CURB .0325926 CU. YD./LIN. FT.

7 TRADITIONAL CURBING

NTS

DETAIL-FILE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

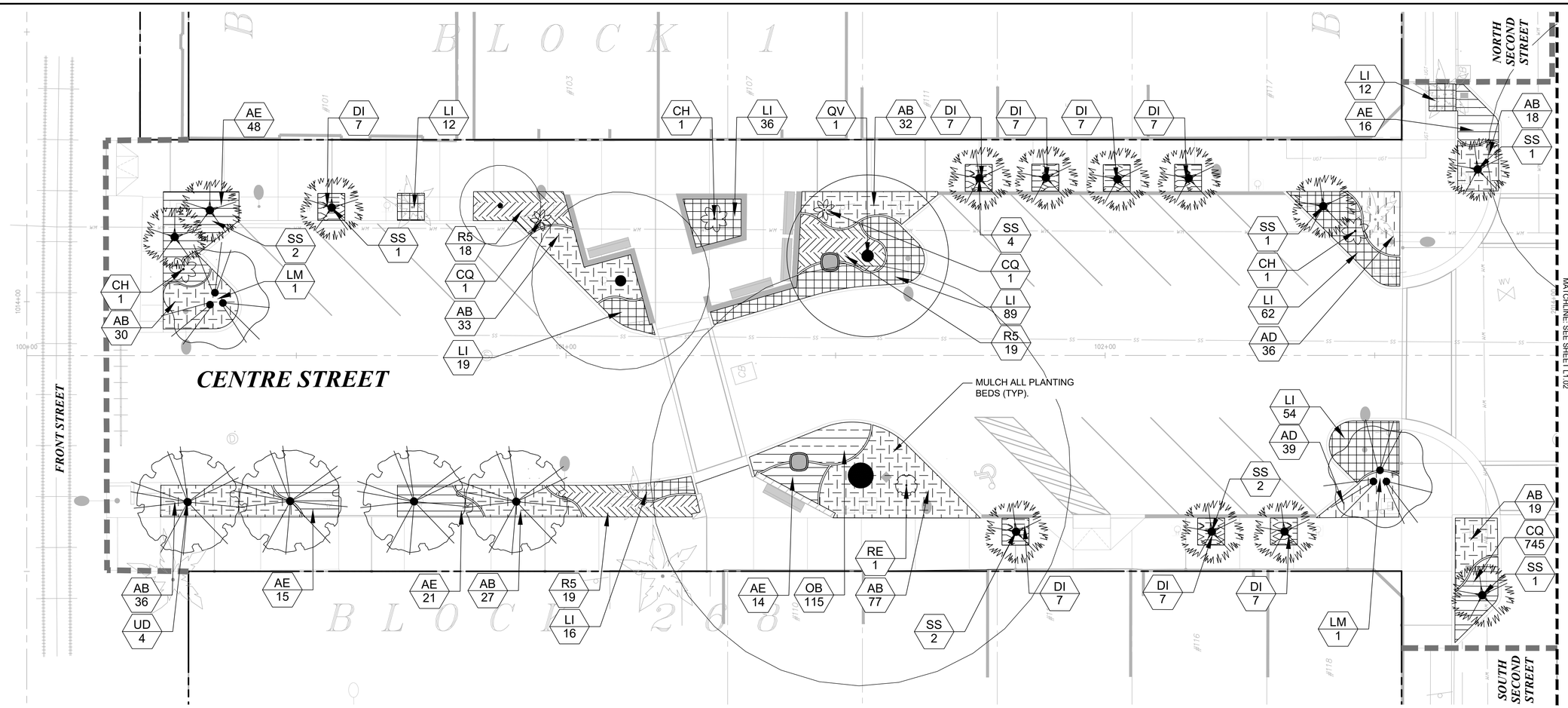
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER H1.54

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.54 January 08, 2025 10:34:54am K:\JAX_LAL\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PLANT SCHEDULE L1.01

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X 'NATCHEZ'	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	4	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

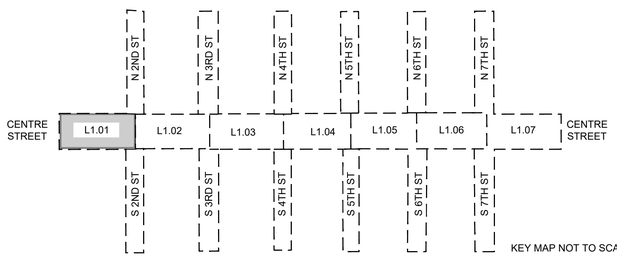
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
SHRUBS							
	CH	3	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'	
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'	
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'	
GROUND COVERS							
	AB	272	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.
	AD	75	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.
	AE	114	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.
	LI	300	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.
	OB	115	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.
	RS	56	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.

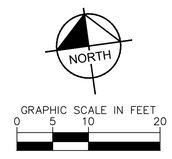
LEGEND

- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM — COM — COM — PROPOSED ELECTRIC

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN





No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

PLANTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
142806005	01/08/2025	AS SHOWN	KHA	ZKF	MAJ

SHEET NUMBER
L1.01

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.01 January 08, 2025 10:35:18am K:\JAX_LALP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	2	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	EO	12	EXISTING LIVE OAK	EXISTING LIVE OAK	CONT.		
	EC	15	EXISTING UNDERSTORY	EXISTING UNDERSTORY	CONT.		
	LM	28	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	XE	17	OFF-SITE TREE	OFF-SITE TREE	CONT.		
	QV	27	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	178	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	10	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	17	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		
	CQ	12	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			
	RE	6	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		
	ZF	18	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		
GROUND COVERS								
	AB	871	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL		24" O.C.
	AD	1,115	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL		24" O.C.
	AE	448	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL		24" O.C.
	DI	387	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL		24" O.C.
	DL	1,201	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL		24" O.C.
	LI	2,885	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL		18" O.C.
	OB	2,714	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"		12" O.C.
	PH	452	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN		24" O.C.
	R5	363	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL		30 O.C.

PLANT SCHEDULE L1.01

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	4	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	3	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	272	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	75	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	114	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	LI	300	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	115	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	56	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.02

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	8	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	4	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	6	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	97	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	267	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	58	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	42	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	234	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	24" o.c.
	LI	629	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	683	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	67	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	84	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.03

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	15	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	3	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	2	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	228	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	206	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	39	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	65	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	192	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	390	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	359	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	75	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	43	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.04

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	3	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	6	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	2	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	1	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	63	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	135	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	DI	28	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	166	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	679	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	128	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	202	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	75	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.05

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	9	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	7	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	101	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	242	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	109	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	349	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	399	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	958	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	35	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	50	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.06

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	2	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	4	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	ZF	3	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	122	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	41	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	35	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	223	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	209	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	320	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	44	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.07

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			48" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	68	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	87	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	105	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	37	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	279	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	151	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	73	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	11	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.08 January 08, 2025 10:36:49am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING SCHEDULE

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.08

TYPICAL PLANTING NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: OBTAINING ALL APPLICABLE PERMITS, FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS SPECIFIED HEREIN.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM CONTRACTOR NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

3. THE CONTRACTOR SHALL SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF THE DEPARTMENT OF TRANSPORTATION (DOT) DESIGN STANDARDS IF A DIRECT APPLICATION OF THE STANDARD IS PROPOSED. THE CONTRACTOR SHALL SUBMIT IN WRITING A STATEMENT INDICATING THE STANDARD INDEX AND PAGE NUMBER NO LESS THAN 10 BUSINESS DAYS PRIOR TO START OF CONSTRUCTION. WHEN A DIRECT APPLICATION OF DOT STANDARD IS NOT ACCEPTABLE A PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A PROFESSIONAL ENGINEER WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC, AS DEFINED BY DOT FOR APPROVAL BY THE COUNTY ENGINEER'S REPRESENTATIVE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON INFORMATION FURNISHED BY THE OWNER OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

5. NOTIFY THE OWNER IMMEDIATELY IF ANY DAMAGES OCCUR TO EXISTING TREES.

6. CALL ONE CALL (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

C. PROTECTION OF EXISTING PLANT MATERIALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC... THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE.

2. SEE TREE MITIGATION PLAN AND NOTES.

D. MATERIALS

1. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY* (OR TAGGED IN NURSERY)
	*IN SOME INSTANCES AN IMAGE TAKEN OF THE PLANT WITH A MEASURING STICK WILL SUFFICE
ROOT BARRIER	NOS SM 2420 ROOT BARRIER (OR APPROVED EQUAL) INSTALL PER MANUFACTURERS' SPECIFICATIONS IN LOCATIONS SHOWN ON PLANS.

2. PLANT MATERIALS

a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE GRADE NO. 1 OR BETTER AS DETERMINED BY THE APPROPRIATE STATE DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.

b. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

c. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:

2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.

b. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.

c. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.

d. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL, MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.

e. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.

2. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

F. WATER

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

* WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

* FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

1. MULCH SHALL BE DOUBLE SHREDDED HARDWOOD MATERIAL
2. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF THREE (3) INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). SEE PLAN FOR MULCH SPECIFICATIONS.

3. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA WITH PINNED WEED BARRIER FABRIC IN EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT (6' MINIMUM) PLANTED UNDER THIS CONTRACT.

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED (B&B), AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROUTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS: ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.

4. RPG="ROOTS PLUS GROWER" CONTAINER PRODUCTS SHALL BE USED WHERE SPECIFIED.

K. MATERIALS LIST

1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION.

2. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

L. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

M. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.

3. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

4. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ONSITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

5. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

6. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

7. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES. ANY DAMAGES CAUSED BY CONTRACTOR WILL BE THE CONTRACTOR'S RESPONSIBILITY.

8. FOLLOW PLANTING SPECIFICATIONS IN PLANTING DETAILS

9. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC.., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

10. TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

11. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6". REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

12. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO ENSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK.

N. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

O. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING TREE GUY SUPPORTS NECESSARY) TO ENSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR OR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

P. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

Q. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

2. ALL TREES ARE REQUIRED TO HAVE 2-YEAR MAINTENANCE AGREEMENT COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

3. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.

4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

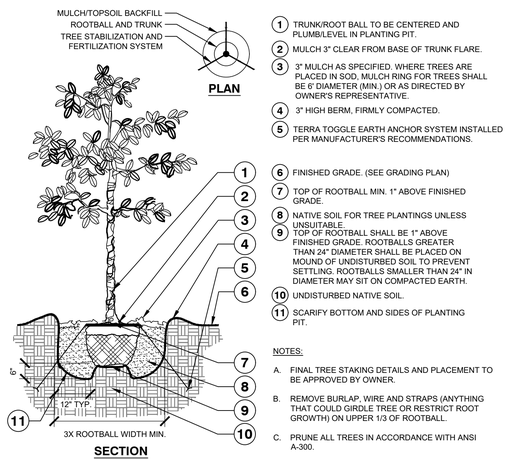
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

PLANTING NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.50 January 08, 2025 10:36:51am K:\JAX_LA\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTES:

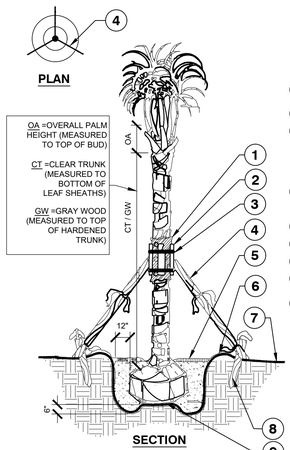
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

1 TREE PLANTING

L-PL-TYP-01



NOTES:

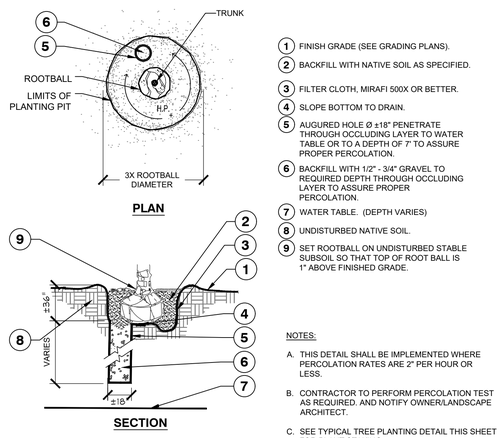
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. ALL TREE STAKING IS TO BE WITHIN MULCH BED AREA OUTSIDE TREE PIT.

C. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION - REFER TO POOR DRAINAGE CONDITION DETAIL.

2 PALM PLANTING AND STAKING

SECTION



NOTES:

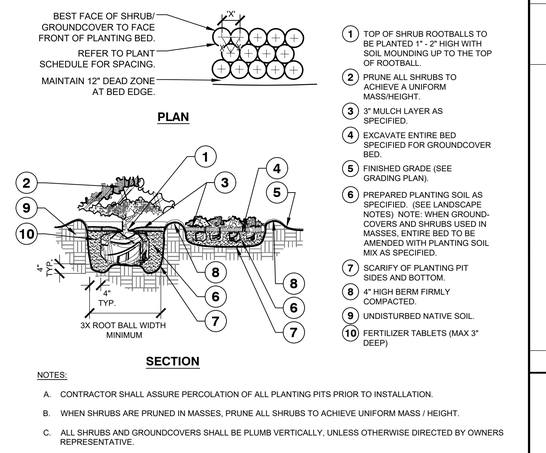
A. THIS DETAIL SHALL BE IMPLEMENTED WHERE PERCOLATION RATES ARE 2" PER HOUR OR LESS.

B. CONTRACTOR TO PERFORM PERCOLATION TEST AS REQUIRED, AND NOTIFY OWNER/LANDSCAPE ARCHITECT.

C. SEE TYPICAL TREE PLANTING DETAIL THIS SHEET FOR PLANT STAKING.

3 POOR DRAINAGE CONDITION

L-PL-TYP-09



NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

4 SHRUB/ GROUNDCOVER PLANTING

L-PL-TYP-03

Model List		
Model #	Height - ft (m)	Caliper - in (mm)
RF0P	Up to 8'	Up to 1.5"
RF0P 4 Leg	Up to 12"	
RF1P	8'-15' (2.5m - 4.5m)	1.5" - 3" (40mm - 75mm)
RF1P 4 Leg	12" - 24" Box	
RF2P	15'-25' (4.5m - 7.5m)	3" - 5.75" (75mm - 150mm)
RF2P 4 Leg	24" - 48" Box	
RF3P	25'-40' (7.5m - 12m)	5.75" - 9.5" (150mm - 230mm)
RF3P 4 Leg	48" - 60" Box	
RF4P	40'+ (12m+)	9.5"+ (230mm+)
RF4P 4 Leg	60" - 84"	
Please contact Platipus representative for boxes over 84"		

5 PLATIPUS TREE ANCHOR WITH DEADMAN FIXING SYSTEM

1" = 10'

JAX-FE-FBP-14

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.51 January 08, 2025 10:36:57am K:\JAX_LALD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

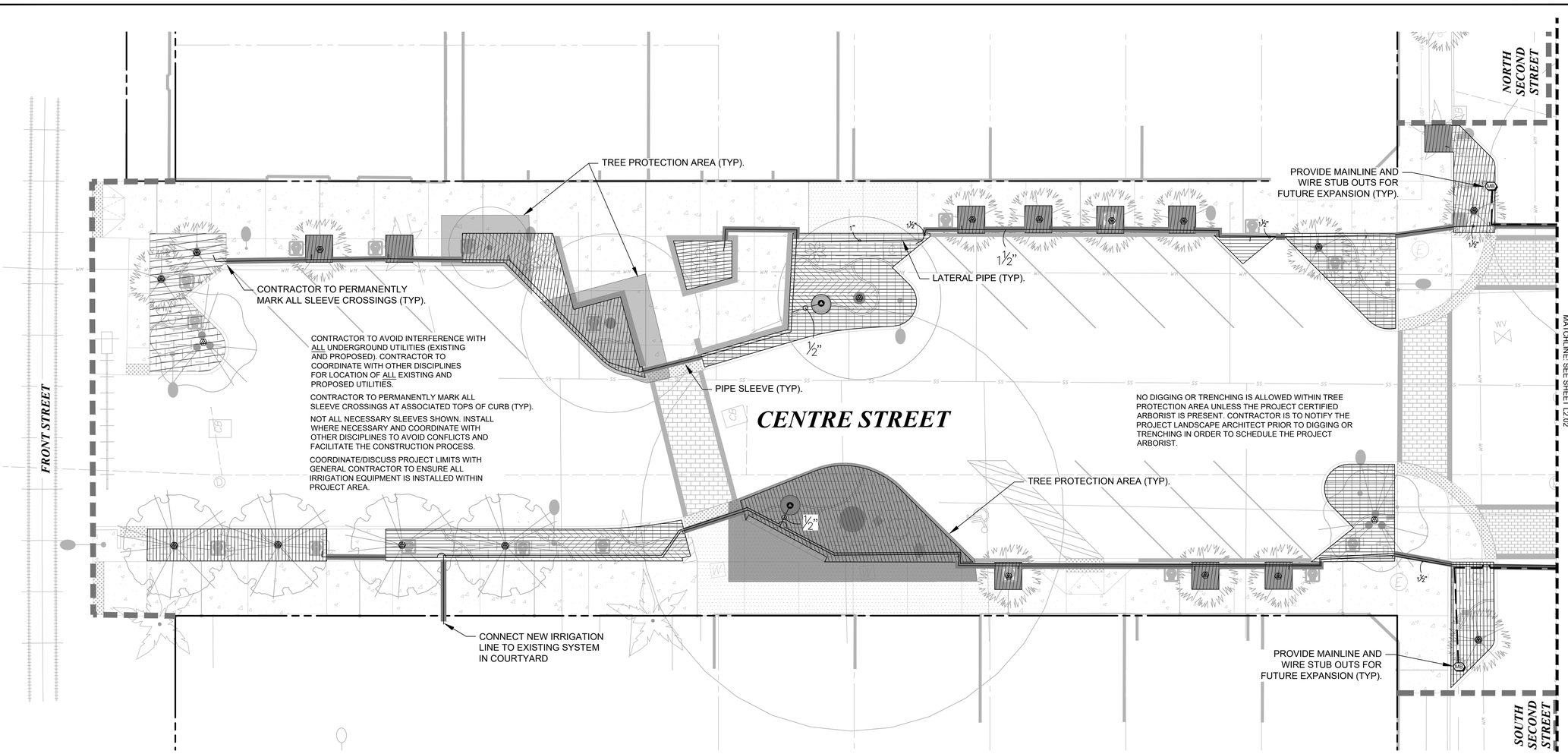
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.51



IRRIGATION SCHEDULE L2.01

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	2
	RAIN BIRD XFCV-06-12 DRIP RING PALM	13
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	7
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout
Valve Number
Valve Flow
Valve Size

LEGEND

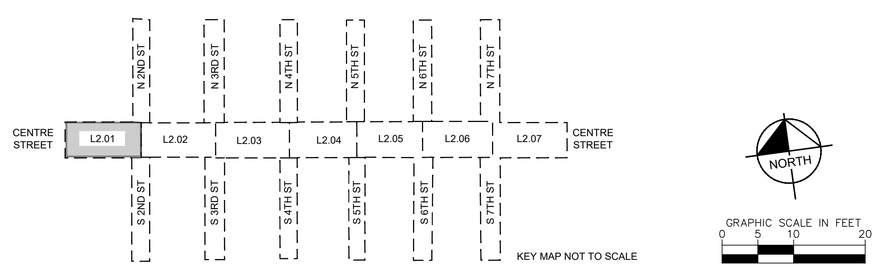
- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM — COM — COM — PROPOSED ELECTRIC

SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)

PIPE SIZE	SLEEVE SIZE
1"	2"
1 ½"	4"
2"	4"
2 ½"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG.
2. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
3. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

IRRIGATION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
L2.01

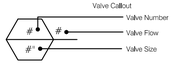
Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.01 January 08, 2025 10:37:24am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SCHEDULE L2.01

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	2
	RAIN BIRD XFCV-06-12 DRIP RING PALM	13
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	7
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



IRRIGATION SCHEDULE L2.02

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	3
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	8
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	3
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

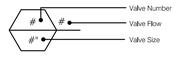
Valve Callout

IRRIGATION SCHEDULE L2.03

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	14
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	2
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

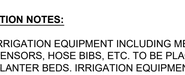


IRRIGATION SCHEDULE L2.04

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	5
	RAIN BIRD XFCV-06-12 DRIP RING PALM	7
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	5
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	3
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

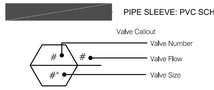


IRRIGATION SCHEDULE L2.05

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	9
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	2
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	2
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	2
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

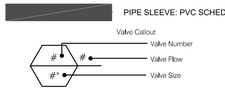


IRRIGATION SCHEDULE L2.06

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	2
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

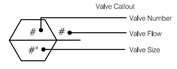


IRRIGATION SCHEDULE L2.07

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING PALM	11
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



VALVE SCHEDULE CENTRE STREET

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PRECIP	TOTAL WATER	RUN TIME
1	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	73.32	33.8	1.44 in/h	0.75 in/h	32 min.
2	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	SPRAY	TBT	TBT	TBT	TBT	TBT
3	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	58.01	34.4	1.44 in/h	0.75 in/h	32 min.
4	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	54.69	33.9	1.44 in/h	0.75 in/h	32 min.
5	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	46.02	33.4	1.45 in/h	0.75 in/h	32 min.
6	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	72.92	36.6	1.44 in/h	0.75 in/h	32 min.
7	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	64.11	32.7	1.44 in/h	0.75 in/h	32 min.

NOTES:

1. IRRIGATION OF NEW LANDSCAPE IS ALLOWED AT ANY TIME OF DAY ON ANY DAY FOR THE INITIAL 30 DAYS AND EVERY OTHER DAY FOR THE NEXT 30 DAYS FOR A TOTAL OF ONE 60-DAY PERIOD, PROVIDED THAT THE IRRIGATION IS LIMITED TO THE MINIMUM AMOUNT NECESSARY FOR ESTABLISHMENT. UPON EXPIRATION OF THIS 60 DAY WINDOW, THE CONTRACTOR IS RESPONSIBLE FOR PROGRAMING THE CONTROLLER TO MEET SJRWMD REQUIREMENTS.
2. THIS SCHEDULE IS PROVIDED FOR CONVENIENCE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ADEQUATE WATERING TO ALL PLANT MATERIAL UNTIL ESTABLISHMENT HAS BEEN REACHED.
3. PROVIDED WATERING SCHEDULE IS PRODUCED BY LAND F/X SOFTWARE FOR SUGGESTED TIMES AFTER ESTABLISHMENT. SCHEDULE MAY VARY BASED ON FIELD CONDITIONS, LANDSCAPE CONTRACTOR TO PROVIDE OWNER WITH ALTERNATIVE WATERING SCHEDULE BASED ON TIME OF PLANTINGS.
5. LANDSCAPE CONTRACTOR TO FOLLOW WATERING SCHEDULE NEEDS BASED ON CHAPTER 40C-2, SUB SECTION 40C-2.042(2) OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT , PERMITTING OF CONSUMPTIVE USES OF WATER. (LISTED BELOW)
SUB SECTION 40C-2.042(2) AFTER ESTABLISHMENT WATERING SCHEDULE DURING DAYLIGHT SAVINGS TIME MAY ONLY OCCUR ON TUESDAYS AND FRIDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. DURING EASTERN STANDARD TIME WATERING SCHEDULE MAY ONLY OCCUR ON TUESDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. MAXIMUM RUN TIME FOR ANY ZONE IS 1 HOUR, AND THE MAXIMUM OUTPUT IS 3/4" PER RUN TIME.

IRRIGATION NOTES:

1. IRRIGATION EQUIPMENT INCLUDING METERS, VALVES, CONTROLLERS, RAIN SENSORS, HOSE BIBS, ETC. TO BE PLACED WITHIN PLANTER BEDS. IRRIGATION EQUIPMENT SHOWN ON SIDEWALK AND STREETS FOR CLARITY ONLY. CONTRACTOR TO VERIFY LOCATION WITH LANDSCAPE ARCHITECT BEFORE INSTALLATION.
2. REFER TO SLEEVING CHART FOR SLEEVE SIZING. ANY MAINLINES OR LATERALS INSTALLED WITHIN VEHICULAR AREAS SHALL BE DOUBLE SLEEVED.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CL01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: L2.08 January 08, 2025 10:39:24pm K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\color sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SPECIFICATION AND NOTES

1. THE SYSTEM SHALL BE DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.

2. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL FIELD VERIFY.

3. CONTRACTOR TO FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.

4. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.

5. IRRIGATION DESIGN IS SCHEMATIC ONLY. FULL AND COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE OWNER'S REPRESENTATIVE.

6. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.

7. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. THE DRAWING SHALL INCLUDE ALL CHANGES MADE TO THE EXISTING IRRIGATION SYSTEM AND ALL NEWLY INSTALLED COMPONENTS INCLUDING ALL SPRINKLERS, STATING BODY TYPES AND NOZZLES, PIPE, INCLUDING SIZES AND THE ENDS OF SLEEVING LOCATIONS AS MEASURED FROM AT LEAST TWO FIXED OBJECTS, CONTROLLER AND WIRE ROUTING. THIS DRAWING MAY BE AN ADAPTATION OF THE IRRIGATION DESIGN WITH ANY CHANGES DRAFTED IN THIS DRAWING. THE DRAWING SHALL ALSO PROVIDE A MINIMUM OF TWO DIMENSIONS TAKEN FROM FIXED OBJECTS TO EACH AUTOMATIC VALVE AND MANUAL CONTROL VALVE. THE AS-BUILT DRAWING SHALL BE DRAWN TO SCALE, PRODUCED IN AUTOCAD OR OTHER DIGITAL DRAFTING PROGRAM, AND DELIVERED AS A PDF AND TWO PRINTED FULL SIZE COPIES.

8. IRRIGATION CONTRACTOR TO PROVIDE POWER SUPPLY TO ELECTRIC CONTROLLERS.

9. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.

10. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS, AS SPECIFIED.

11. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.

12. CONTRACTOR TO COORDINATE LOCATION OF ALL METERS AND BACKFLOW ASSEMBLIES WITH PROJECT OWNER.

13. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.

14. THE CONTRACTOR TO INSTALL PVC PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REVIEW CONSTRUCTION PLANS WITH THE OWNER'S REPRESENTATIVE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO HEAD LINE OR ZONE PLACEMENT.

15. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.

16. ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.

17. SLEEVES UNDER EXISTING PAVEMENT MUST BE DIRECTIONAL BORE. OPEN CUT IS NOT AN OPTION.

18. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.

19. THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR-CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.

20. ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS:

-RECTANGULAR 12"X17" HEAVY DUTY BOX. (PURPLE COVER FOR REUSE TO BE PROVIDED WHERE APPROPRIATE).

21. ALL UNSIZED PIPE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON PLAN. SEE LATERAL PIPE SIZING REQUIREMENTS.

22. EACH TREE AND PALM (AS SHOWN ON THE PLANS) SHALL HAVE A MIN 20 GALLON PER HOUR FLOOD BUBBLER. LOCATE BUBBLER ON THE UPHILL SIDE OF TREES ON ALL SLOPES.

23. ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED ONE (1) FOOT FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).

24. LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2'-0" FROM THE EDGE OF PAVEMENT OR CURB. BACKFLOW, MASTER VALVE, AND FLOW SENSOR SHALL BE A MINIMUM OF 2'-0" FROM BACK OF CURB OR PAVEMENT.

25. IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIPLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.

26. ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND AIR RELIEF VALVE UNLESS THE SPECIFIED DRIPLINE INCLUDES CHECKVALVES. DRIPLINE SHALL PROVIDE 0.9 GPH EMITTERS, 18" O.C. WITH 18" LINE SPACING AT A MINIMUM.

27. IRRIGATION CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL CONTROLLER AND SOIL SENSOR LOCATIONS. THE CONTROLLER SHALL BE PLACED IN A LOCKING CABINET IN THE MOST INCONSPICUOUS AREA APPROPRIATE FOR ITS LOCATION. (INDOOR VS. OUTDOOR USE)

28. CONTRACTOR SHALL PERFORM HYDRO-TESTING OF MAIN LINES.

HYDRO-TESTING TO BE PERFORMED AS LISTED:

THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF TESTING. PRIOR TO BACKFILLING, CONTRACTOR SHALL FILL PIPING WITH WATER, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, TAKING CARE TO PURGE THE AIR FROM IT. A SMALL, HIGH PRESSURE PUMP OR OTHER MEANS OF MAINTAINING A CONTINUOUS WATER SUPPLY SHALL BE CONNECTED TO THE PIPING AND SET SO AS TO MAINTAIN 125 PSI FOR TWO (2) HOURS WITHOUT INTERRUPTION. CONTRACTOR SHALL MAKE ANY NECESSARY CORRECTIONS AND RETEST THE SYSTEM UNTIL THE OWNER'S REPRESENTATIVE IS SATISFIED THAT THE SYSTEM IS REASONABLY SOUND.

29. ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL FOLLOW MANUFACTURERS SPECIFICATIONS. ALL CONTROL WIRE SHALL BE INSTALLED IN A 1-1/4" ELECTRICAL CONDUIT.

30. ALL UNIMPROVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR.

31. INSTALL ALL BACKFLOW PREVENTION DEVICES AND ALL PIPING BETWEEN THE POINT OF CONNECTION AND THE BACKFLOW PREVENTER AS PER LOCAL CODES. FINAL LOCATION SHALL BE DETERMINED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

32. COMMERCIAL LOTS ARE TO UTILIZE SMART IRRIGATION CONTROLLERS WITH SOIL MOISTURE METER SENSORS (SOIL MOISTURE SYSTEMS) TO DETERMINE OPTIMUM MOISTURE LEVELS, SHUT DOWN IRRIGATION, PREVENTING WATER WASTE. THE SOIL MOISTURE SYSTEM SHALL OPERATE AS A PERMISSIVE AND NOT AS A CALL-TO-RUN. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO INSTALL, TEST AND CERTIFY THE SOIL MOISTURE SYSTEM FOR PROPER INSTALLATION AND OPERATION PRIOR TO OCCUPANCY.

33. INSPECT THE CONSTRUCTION SITE BEFORE ANY WORK BEGINS AND FLAG LOCATIONS OF MAINLINE PIPE, SLEEVES, HEADS, AND VALVES FOR REVIEW BY THE OWNER'S REPRESENTATIVE. FLAGS SHALL BE CLEARLY MARKED OR COLORED TO DESIGNATE THE TYPE OF EQUIPMENT TO BE INSTALLED AT THAT POINT. INSTALLATION SHALL NOT COMMENCE UNTIL THE STAKING/FLAGGING HAS BEEN APPROVED.

34. PROVIDE A MINIMUM DEPTH OF COVER OF 18 INCHES FOR ALL MAIN LINE PIPE AND 12 INCHES OF COVER FOR ALL ZONE PIPE AS MEASURED FROM FINISH GRADE.

35. PROVIDE THE MINIMUM DEPTH OF COVER, AS SPECIFIED ABOVE, OVER THE TOP OF THE PIPE BEFORE THE TRENCH IS WHEEL-LOADED.

36. PROVIDE INITIAL BACK FILL MATERIAL THAT IS FINE-GRAINED MATERIAL FREE FROM COMPACTED EARTH GREATER THAN 2 INCHES IN DIAMETER, ROCKS, OR STONES.

37. TAMP THE BACK FILL IN LAYERS NOT TO EXCEED 6 INCHES. LIFT AND COMPACT FIRMLY AROUND THE PIPE AND UP TO AT LEAST 6 INCHES ABOVE THE TOP-OF-PIPE. SUFFICIENTLY MOISTEN THE BACK FILL TO PERMIT THROUGH COMPACTION UNDER AND ON EACH SIDE OF THE PIPE TO PROVIDE SUPPORT FREE FROM VOIDS. AVOID DEFORMING, DISPLACING, OR DAMAGING THE PIPE DURING THIS PHASE OF THE OPERATION. ENSURE THAT WHEN FINISHED, THE SOIL COMPACTION EQUALS THE ORIGINAL CONDITION.

38. SQUARE CUT, CLEAN, AND PIPE ALL JOINTS BEFORE CEMENTING. FULLY ENGAGE ALL JOINTS WHILE CEMENTING. PVC FITTINGS: MAKE ALL SOLVENTS WELD JOINTS IN ACCORDANCE WITH ASTM D2855. PRIME ALL FITTINGS WITH PURPLE PRIMER BEFORE MAKING SOLVENT WELD CONNECTIONS. ALLOW SOLVENT-WELDED JOINTS AT LEAST 1 HOUR TO SET UP BEFORE MOVING OR HANDLING. DO NOT PERMIT WATER IN THE PIPE FOR AT LEAST 24 HOURS AFTER MAKING A SOLVENT WELD ON THAT PIPE UNLESS RECOMMENDED OTHERWISE BY THE SOLVENT CEMENT MANUFACTURER. SEAL ALL THREADED PVC FITTINGS WITH LIQUID TEFLON EXCEPT SPRINKLER HEADS, ELECTRIC VALVE CONNECTIONS, AND SWING JOINTS. INSTALL ALL OF THESE EXCEPTIONS USING 1-INCH TEFLON TAPE.

39. FLUSH ALL PIPELINES BEFORE SPRINKLERS ARE INSTALLED. MAINTAIN A MINIMUM PIPE VELOCITY OF 3 FEET PER SECOND AND FLUSH FOR A MINIMUM TIME OF: T = 2L/3 WHERE T = TIME IN SECONDS AND L = PIPE LENGTH IN FEET FROM INLET POINT TO MOST DISTANT POINT IN THE PIPELINE.

40. INSTALL WIRING IN THE SAME TRENCH AND ALONG THE SAME ROUTE AS AND UNDERNEATH THE MAIN LINE EXCEPT IN LOCATIONS WHERE THE WIRE WILL PASS UNDER PAVING. AT THOSE LOCATIONS, INSTALL THE WIRE INSIDE A PVC SLEEVE. INSTALL CONTROL WIRING THROUGH WALLS, FLOORS, AND SLABS IN PVC SLEEVES.

41. USE UL UF WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS. USE RED #14 AWG WIRE FOR ALL VALVE POWER WIRES. USE WHITE #14 AWG WIRE FOR ALL VALVE COMMON WIRES. USE #14 OR LARGER TWISTED SHIELDED PAIR WIRE FOR ALL TWO-WIRE APPLICATION ON THIS SYSTEM. USE 5/8" OR LARGER COPPER GROUND RODS, COPPER GROUNDING PLATES, CADWELD "ONE SHOT" CONNECTORS AND #6 OR LARGER BARE COPPER WIRE FOR ALL GROUNDING APPLICATIONS FOR THIS SYSTEM. INSTALL GROUNDING AT THE CONTROLLER, ALL DECODER LOCATIONS, AND ALL TERMINATIONS OF THE TWO-WIRE SYSTEM.

42. THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE IN ADVANCE THAT EACH ITEM IS READY FOR INSPECTION AS INDICATED BELOW:

A. FLAGGED UNDERGROUND MAINLINE PIPING, SLEEVES, SPRINKLER AND VALVE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION - NOTIFY 48 HOURS IN ADVANCE.

B. SPRINKLER COVERAGE TEST - NOTIFY 48 HOURS IN ADVANCE.

C. FINAL INSPECTION - NOTIFY 48 HOURS IN ADVANCE.

42. THE CONTRACTOR SHALL ISSUE TO THE OWNER OR OWNER'S REPRESENTATIVE A CERTIFICATE OF WARRANTY OF THE IRRIGATION SYSTEM FOR A PERIOD OF NOT LESS THAN 1 YEAR ON ALL SPRINKLERS, VALVES, THE CONTROLLER, AND THE CONTRACTOR'S LABOR.

43. SUPPLY TO THE OWNER ALL INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING AND ELECTRICAL-RELATED EQUIPMENT, BOUND IN ONE FOLDER. FURNISH THE OWNER WITH ANY KEYS FOR LOCKABLE ITEMS ON THIS SYSTEM.

44. ENSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPE AREAS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING THE INSTALLATION.

45. ALL APPLICABLE CODES SHALL TAKE PRECEDENCE OVER THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFFER TO CO.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

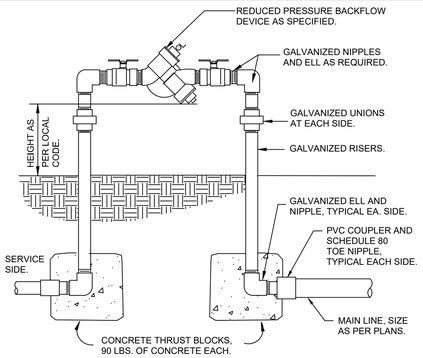
IRRIGATION NOTES

FERNANDINA BEACH STREETSCAPE
IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

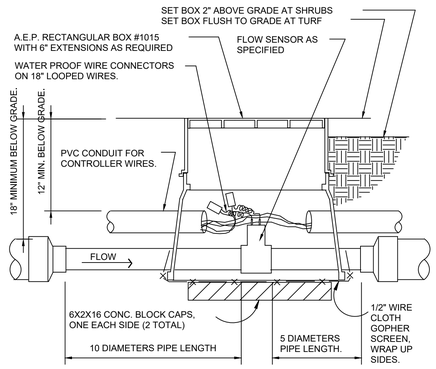
SHEET NUMBER
L2.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.50 January 08, 2025 10:39:26am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



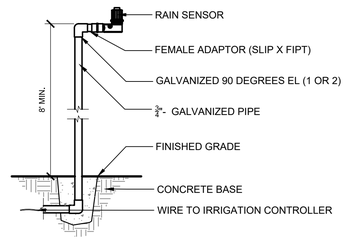
1 REDUCED PRESSURE BACKFLOW DEVICE

1" = 1'-0" L-IR-BAC-03



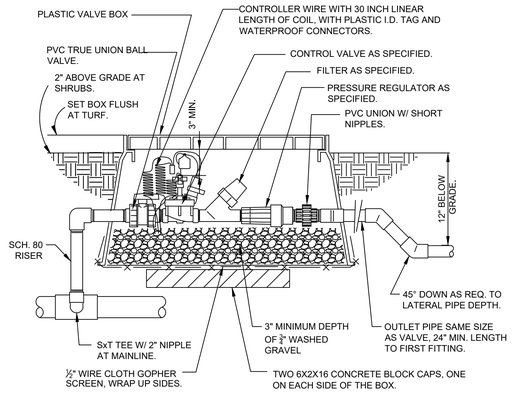
2 FLOW SENSOR ASSEMBLY

NTS L-IR-SEN-01



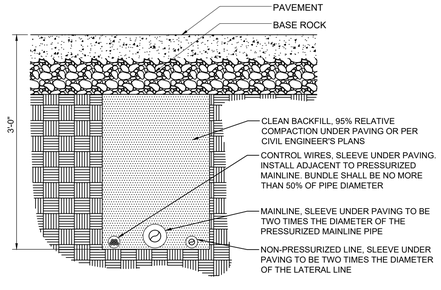
3 RAIN SENSOR- POLE MOUNT

SECTION NTS



4 REMOTE CONTROL VALVE (DRIP)

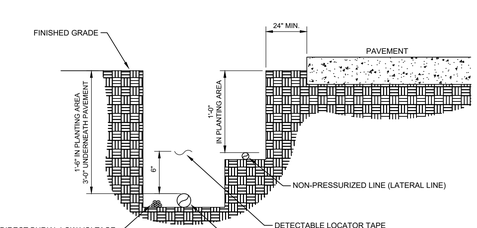
NTS L-IR-DRI-05



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE.
2. ALL SLEEVES SHALL BE SCH. 200 PVC PIPE.
3. ALL SLEEVES SHALL EXTEND 12" BEYOND THE EDGE OF PAVEMENT.
4. END OF SLEEVES SHALL BE LOCATED WITH A WOODEN STAKE OR PVC PIPE. LOCATORS SHALL RUN CONTINUOUSLY FROM THE END OF THE SLEEVE TO FINISHED GRADE.

5 TYPICAL IRRIGATION SLEEVING

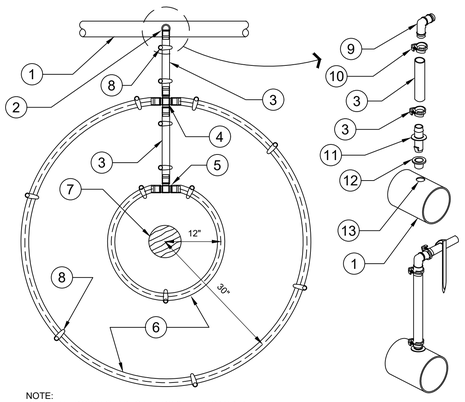
L-IR-EQU-03



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
2. SLEEVING IS REQUIRED AS SHOWN ON PLAN.
3. DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

6 IRRIGATION TRENCHING

NTS L-IR-EQU-10

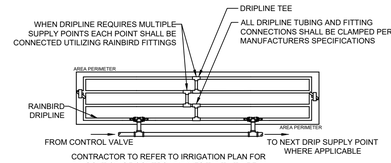


NOTE:
PLACE TIE DOWN STAKES EVERY 3 FT. IN SAND, 4 FT. IN LOAM, AND 5 FT. IN CLAY, AS WELL AS AT ALL CHANGE OF DIRECTION SUCH AS AT TEES OR ELLS.

DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL

7 TYPICAL DRIP IRRIGATION

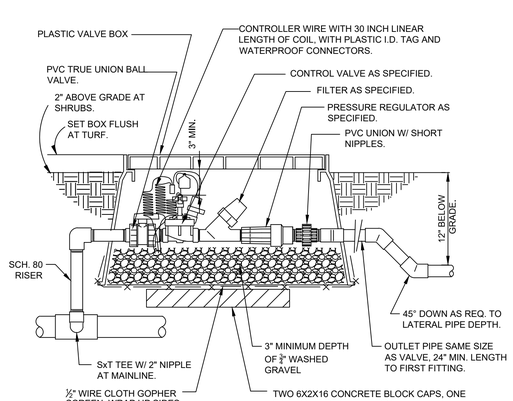
NTS L-IR-DRI-25



CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS.

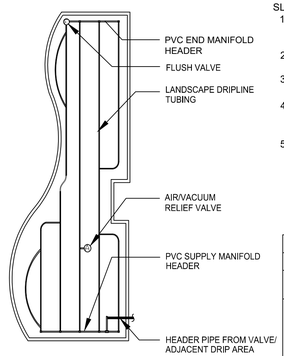
NOTE
1. DRIP TUBING TO BE ROUTED IN THE PLANT MATERIAL BED WITH AT MAXIMUM LATERAL SPACING OF 16 INCHES.
2. DRIP TUBING TO BE INSTALLED IN A GRID PATTERN. DRIP TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.
3. INSTALL WITH AIR RELIEF VALVE, OPERATION INDICATOR AND FLUSH VALVE. INSTALL ALL UNDERGROUND EQUIPMENT IN 12" ROUND VALVE BOX.

1. LATERAL SUPPLY PIPE, SEE PLAN.
2. DRIPLINE CONNECTION TO BELOW GRADE LATERAL PIPE, SEE DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL (TYPICAL CONDITION).
3. POLYETHYLENE TUBING SEE PLAN FOR SIZING.
4. BARB CROSS INSERT FITTING.
5. BARB TEE INSERT FITTING.
6. AT-GRADE DRIPLINE, INNER RING 12" FROM PLANT, OUTTER RING 30" FROM PLANT. DRIPLINE AS SPECIFIED ON PLAN.
7. PLANT TRUNK.
8. TYPICAL ANTELCO ASTA TIE-DOWN STAKE, SEE NOTE.
9. DRIPLINE BARBED INSERT ELL.
10. RATCHET CLAMP AT ALL BARBED CONNECTIONS, ANTELCO PART NO. 44345.
11. INSERT ADAPTER, ANTELCO "XPANDO" PART NO. 45595.
12. ANTELCO "CAPO: RUBBER GROMMET, NO. 45735.
13. DRILL 5/8" HOLE IN PVC LATERAL PIPE WHERE REQUIRED. YOU MUST USE A "FORSTNER" DRILL BIT FOR DRILLING INTO PVC. REMOVE ANY EXCESS BURRS OR ROUGH EDGES.



8 REMOTE CONTROL VALVE (DRIP)

NTS JAX-O9-05



SLOPE CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP 2/3 OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 1/3 OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM 1/3 ON A SEPARATE VALVE.

MAXIMUM LATERAL LENGTH (FEET)	
EMITTER FLOW RATE GPH	
PSI	18" SPACING 0.6
15	314
20	353
30	413
40	465
50	528
60	596

9 TYPICAL DRIPLINE LAYOUT

NTS JAX-O9-27

10 TREE RING DRIPLINE IRRIGATION

N.T.S. JAX-O9-04

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO CO.01 SIGNATURE SHEET

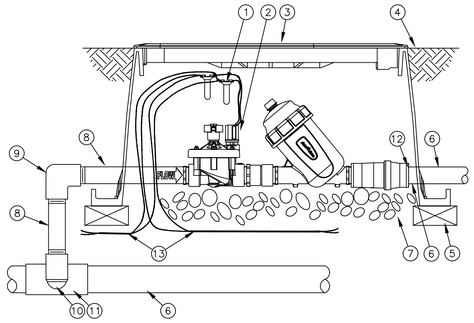
KHA PROJECT 142806005	
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.51 January 08, 2025 10:39:31am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

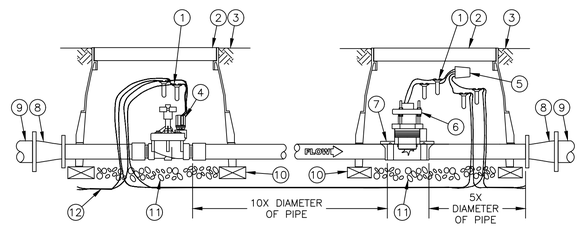


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. THE LCDR KIT INCLUDES A PESB-R VALVE AND DISC FILTER FOR RECLAIMED WATER USE.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20 (TWO REQUIRED)
2. RAIN BIRD DRIP KIT: XCZ-150-LCDR WITH IVM-SOL
3. VALVE BOX WITH COVER: RAIN BIRD VB-JUMBO
4. FINISH GRADE OR TOP OF MULCH
5. BRICK (1 OF 4)
6. PVC PIPE
7. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
8. PVC SCH 80 NIPPLE 1 1/2"
9. PVC SCH 80 ELBOW
10. PVC SCH 80 NIPPLE (2" LENGTH, HIDDEN) AND PVC SCH 80 ELBOW
11. PVC SCH 80 TEE OR ELBOW
12. PVC SCH 40 MALE ADAPTER
13. TWO-WIRE CABLE BETWEEN DEVICES

1 XCZ-150-LCDR WITH IVM-SOL

NTS JAX-09-20



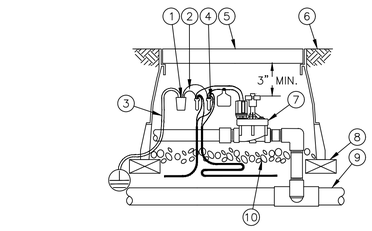
NOTE:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20
2. VALVE BOX WITH COVER: RAIN BIRD VB-STD
3. FINISH GRADE/TOP OF MULCH
4. NORMALLY CLOSED MASTER VALVE: RAIN BIRD PEB OR PGA WITH IVM
5. RAIN BIRD IVM-SEN
6. FLOW SENSOR: RAIN BIRD FS SERIES
7. DOUBLE-STRAP SADDLE
8. CONCENTRIC REDUCER
9. PVC MAINLINE PIPE
10. BRICK (1 OF 4)
11. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
12. TWO-WIRE CABLE BETWEEN DEVICES

NOTE:
1. REFER TO RAIN BIRD TECHNICAL DATA FOR FLOW SENSOR INSTALLATION BASED ON PIPE SIZING PARAMETERS.

2 MASTER VALVE WITH IVM-SOL AND FLOW SENSOR WITH IVM-SEN

NTS JAX-09-19

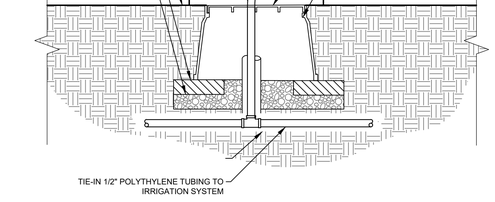


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. ONE IVM-SD IS REQUIRED EVERY 500 FEET OR EVERY 15 FIELD DEVICES.

1. RAIN BIRD IVM-SD SURGE DEVICE
2. CONNECT THE RED AND BLACK WIRES ON THE IVM-SD TO THE TWO-WIRE PATH
3. CONNECT THE GREEN WIRES FROM THE IVM-SD TO THE GROUNDING ROD OR PLATE
4. WATERPROOF CONNECTION RAIN BIRD WC20 (TWO REQUIRED)
5. VALVE BOX WITH COVER: RAIN BIRD VB-STD
6. FINISH GRADE/TOP OF MULCH
7. ELECTRIC REMOTE-CONTROL VALVE
8. BRICK (1 OF 4)
9. PVC MAINLINE PIPE
10. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
11. TWO-WIRE CABLE BETWEEN DEVICES

3 ELECTRIC REMOTE-CONTROL VALVE WITH IVM-SOL AND IVM-SD (SURGE DEVICE)

NTS JAX-09-18



4 DRIP RING IN PLANTER

NTS JAX-FE-24

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETIALS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L2.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.52 January 08, 2025 10:39:36am K:\JAX\LALP\142806005 — fernandina beach streetscape\working files\CAD\xlsx sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL NOTES:

1. THE SUBMISSION OF A BID BY THE CONTRACTOR IS NOTIFICATION THAT THE CONTRACTOR HAS TOTALLY FAMILIARIZED HIMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING SITE CONDITIONS AND HAS AGREED TO PROVIDE THE NECESSARY LABOR AND MATERIAL FOR THE COMPLETE INSTALLATION OF EACH SYSTEM IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST PRACTICES OF THE INDUSTRY AND IN COMPLIANCE WITH ALL AUTHORITIES HAVING JURISDICTION.
2. THESE DRAWINGS ARE PRESENTED TO THE CONTRACTOR WITH THE UNDERSTANDING THAT THE CONTRACTOR IS AN EXPERT AND COMPETENT IN THE PREPARATION OF CONTRACT BID PRICES ON THE BASIS OF INFORMATION SUCH AS IS CONTAINED IN THESE DOCUMENTS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION AND IN COMPLETE CONFORMANCE WITH ALL APPLICABLE CODES, RULES, AND REGULATIONS. MINOR ITEMS NOT USUALLY SHOWN OR SPECIFIED, BUT MANIFESTLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE VARIOUS SYSTEMS, SHALL BE INCLUDED IN THE WORK AND IN THE PROPOSAL THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO DEPARTURES SHALL BE MADE WITHOUT PRIOR APPROVAL.
3. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.
4. THE DRAWINGS INDICATE ARRANGEMENTS AND APPROXIMATE SIZES AND RELATIVE LOCATIONS OF PRINCIPAL APPARATUS, EQUIPMENT, DEVICES, AND SERVICES TO BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND ARE A GRAPHIC REPRESENTATION OF CONTRACT REQUIREMENTS BASED ON THE INFORMATION PROVIDED BY THE MANUFACTURER IDENTIFIED IN THE EQUIPMENT SCHEDULE AT THE SCALE INDICATED.
5. LAYOUT OF EQUIPMENT INDICATED ON THE DRAWINGS SHALL BE CHECKED AND COMPARED AGAINST ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND EXACT LOCATIONS DETERMINED USING APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT. WHERE PHYSICAL INTERFERENCES OCCUR, CONSULT WITH THE OWNER AND PREPARE DATED, DIMENSIONED DRAWINGS COORDINATED WITH ALL OTHER TRADES WORKING IN THIS AREA AND CORRECTING SUCH INTERFERENCE.
6. THE CONTRACTOR SHALL SCHEDULE THEIR WORK IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE SO THAT ALL OF THEIR WORK CAN BE INSTALLED WITHOUT DELAYING THE PROJECT. ALL WORK RELATED TO SHUTDOWN OF EXISTING SERVICES SHALL BE PERFORMED AT THE HOURS DESIGNATED BY THE OWNER WITH ALL ASSOCIATED COSTS BORNE BY THE CONTRACTOR AT NO COST TO THE OWNER. PROVIDE ANY TEMPORARY FACILITIES REQUIRED TO PERMIT OWNER'S USE OF EXISTING FACILITIES AND SYSTEMS TO REMAIN UNDISTURBED. COORDINATE ALL WORK, INCLUDING ALL SHUTDOWNS THAT AFFECT SYSTEMS AND/OR PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION, WITH OWNER.
7. THE CONTRACTOR SHALL SECURE AND PAY ALL FEES, LICENSES, INSPECTIONS, AND PERMITS PERTAINING TO THE CONTRACT. SUBMIT TO OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM APPROVED INSPECTION AGENCY.
8. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORKMEN'S IDENTIFICATION AND BADGING, SAFETY AND FIRE PROTECTION, BARRICADES, WARNING SIGNS, TRASH REMOVAL, CUTTING AND PATCHING.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND WITHOUT BLEMISH OR DEFECT. ALL EQUIPMENT INSTALLED SHALL BEAR THE LABEL OF AN APPROVED AGENCY.
11. THE CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT, AND TRANSFER TO POINT OF INSTALLATION FOR ALL FURNISHED ITEMS.
12. WHERE CONDUIT, CABLES, DUCTWORK, OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE PENETRATION SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THIS SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER TO MAINTAIN THE UL LISTED FIRE RATING OF THE PENETRATED WALL OR FLOOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB OPENINGS, WALL OPENINGS, BEAM PENETRATIONS, AND CORING AS IT RELATES TO THEIR WORK. THE CONTRACTOR SHALL SUBMIT SIZE AND LOCATION FOR REVIEW AND APPROVAL.
14. ALL EXTERIOR WALL OPENINGS SHALL BE SLEEVED, PROPERLY CAULKED, AND SEALED WITH A HIGH QUALITY SEALANT TO PREVENT INFILTRATION OF MOISTURE AND OUTSIDE AIR.
15. THE CONTRACTOR SHALL SUBMIT SCHEDULE OF SUBMITTALS PRIOR TO SUBMITTING ANY SHOP DRAWINGS, ETC. TO BE SUBMITTED FOR THIS PROJECT, INCLUDING THE ANTICIPATED DATE OF EACH SUBMISSION. CONTRACTORS SHALL SUBMIT AN ELECTRONIC COPY OF THE COMPLETE SHOP DRAWINGS AND CATALOG CUTS, WIRING DIAGRAMS AND ASSOCIATED DATA TO THE OWNER FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT OR STARTING ANY WORK. ANY WORK INSTALLED OR EQUIPMENT PURCHASED PRIOR TO RECEIPT OF OWNER APPROVED SUBMITTALS SHOP DRAWINGS THAT REQUIRES CHANGES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
16. SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE CONTRACTOR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS.
17. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL SUPPLY THE OWNER WITH (3) COMPLETE BOUND COPIES OF ALL OWNER APPROVED SUBMITTALS AND ALL OPERATION AND MAINTENANCE MANUALS
18. ALL WORK FURNISHED UNDER THE CONTRACT SHALL BE GUARANTEED AGAINST ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION, UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS, AND ANY DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED AND ANY DEFECTIVE MATERIAL REPLACED WITHOUT ADDITIONAL COST TO THE OWNER.
19. INSTALLED SYSTEMS SHALL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT SOUND OR VIBRATION THAT IS OBJECTABLE TO THE OWNER, OBJECTABLE SOUND OR VIBRATION CONDITIONS DUE TO WORKMANSHIP SHALL BE CORRECTED IN APPROVED MANNER BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
20. THE CONTRACTOR SHALL SIMILARLY NOTIFY OWNER OF COMPLETION OF ALL WORK, INDICATING THE CONTRACTOR IS READY FOR THE OWNER TO PERFORM THE FINAL PUNCHLIST INSPECTION.
21. UPON COMPLETION OF ALL UNFINISHED OR FAULTY WORK NOTED IN THE OWNER'S FINAL PUNCH LIST, THE CONTRACTOR SHALL SUBMIT TO THE OWNER IN WRITING A LETTER OF COMPLETION CERTIFYING THAT ALL PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ALL AS-BUILTS, MANUALS, ETC. HAVE BEEN SUBMITTED.
22. SHOULD A CONTRACTOR REQUIRE REMOVAL, RELOCATION, OR REROUTING OF ANOTHER TRADE'S WORK THAT IS NOT INDICATED ON DRAWINGS, THE CONTRACTOR REQUIRING SUCH WORK SHALL BE RESPONSIBLE FOR THAT WORK, AND PAY ALL REQUIRED COSTS.
23. ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEMS, EQUIPMENT, AND MATERIALS SHALL BE REVIEWED WITH THE OWNER BEFORE BEGINNING WORK.
24. DEFINITION: UNLESS OTHERWISE NOTED, ALL WORK SPECIFIED HEREIN OR NOTED ON DRAWINGS, SHALL BE BY THE CONTRACTOR. THE TERM "PROVIDE" WHENEVER ENCOUNTERED ON DRAWINGS OR IN THESE SPECIFICATIONS, SHALL MEAN "FURNISH AND INSTALL."
25. CODES AND STANDARDS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND FIRE INSURANCE CARRIER'S REQUIREMENTS.
26. MATERIALS: ALL MATERIALS FURNISHED BY THIS CONTRACTOR, SHALL BE NEW AND BEAR THE LABEL OR LISTING OF A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.
27. OUTLET AND SWITCH BOXES: PROVIDE AND INSTALL OUTLET BOXES OF PROPER TYPE AND SIZE AS REQUIRED AT ALL OUTLETS WHERE SHOWN. SECURED FIRMLY IN PLACE AND SET TRUE AND SQUARE AND FLUSH WITH THE FINISHED SURFACE.
28. WIRING: WIRES SHALL BE COPPER AND RATED FOR THE LOCATIONS IN WHICH THEY ARE INSTALLED. ALL RACEWAYS ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION TO BE DETERMINED ON THE JOB. CONTRACTOR SHALL ARRANGE ALL NEW CIRCUITS IN PANELS SO AS TO BALANCE THE LOAD ON ALL PHASES.
29. A TYPED DIRECTORY CARD SHALL BE PROVIDED IN EACH PANEL WITH ADDED CIRCUITS TO INDICATE THE LOADS ACTUALLY SERVED.
30. GROUNDING: SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 250. PROVIDE GROUND WIRES AS REQUIRED AND RESIZE CONDUIT IF NECESSARY.
31. DEMONSTRATION OF COMPLETE ELECTRICAL SYSTEMS: UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF APPROVAL FROM THE RESPECTIVE INSPECTION AGENCIES. CONTRACTOR SHALL NOTIFY AND MAKE ALL THE NECESSARY ARRANGEMENTS WITH THE INSPECTING AGENCY AND LOCAL AUTHORITIES SO THAT INSPECTION MAY BE CARRIED OUT AT THE PROPER TIME.

LEGEND

SYMBOL	TYPE	MODEL NUMBER	MOUNTING HEIGHT	MOUNTING TYPE	DESCRIPTION	WATTAGE
	TYPE T1	CN55P1A-FGC-T3MB1A-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T2	SN21P1-FGC-T1-P10-30K	14'	POLE MOUNTED	SINGLE	22W
	TYPE T3	CN55P1A-FGC-T3HS-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T4	DSX1-LED-P3-30K-80CRI-T4M-MVOLT -SPA-PER7-DBLXD	18.5'	POLE MOUNTED	SINGLE	N/A
E	NEW PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
C	NEW COMMUNIATIONS PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	LOAD CENTER (LC)	LOAD CENTER	N/A	N/A	N/A	N/A
	EXISTING PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	NEW RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A
	SPECIAL RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A

COMMUNICATION CONDUIT

ELECTRICAL CONDUIT

UGE EXISTING ELECTRICAL CONDUIT

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: JM
CHECKED BY: MAJ

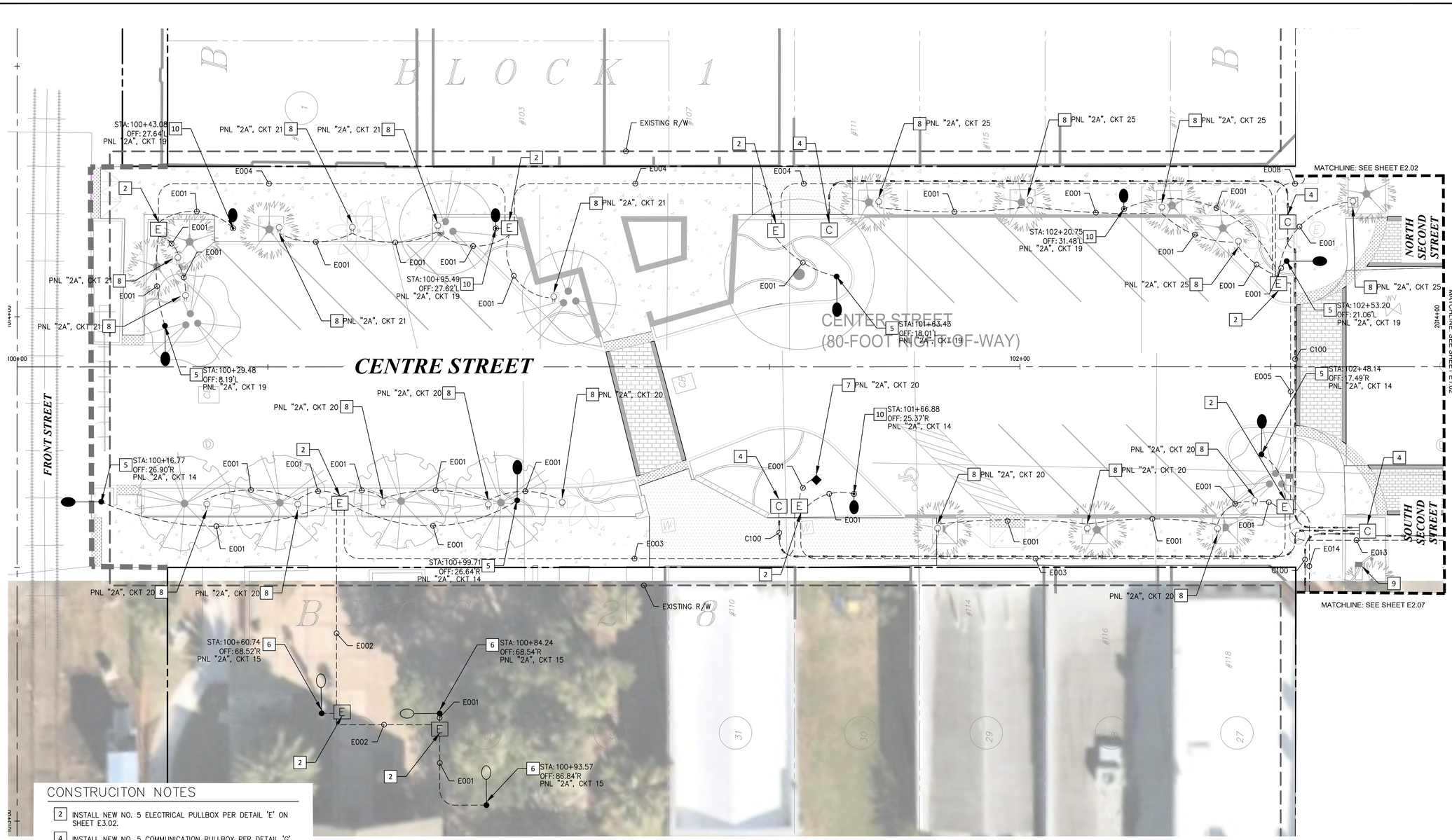
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

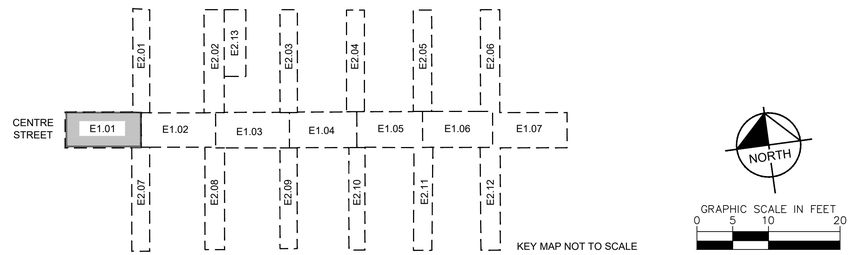
SHEET NUMBER
E0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E0.00 January 08, 2025 10:39:56am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCITON NOTES

2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
5. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
6. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
7. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP WITH ABOVE GROUND CONDUIT. SEE DETAIL A ON PAGE E3.01.
8. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.
9. EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.
10. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: JM	CHECKED BY: MAJ

LIGHTING PLAN

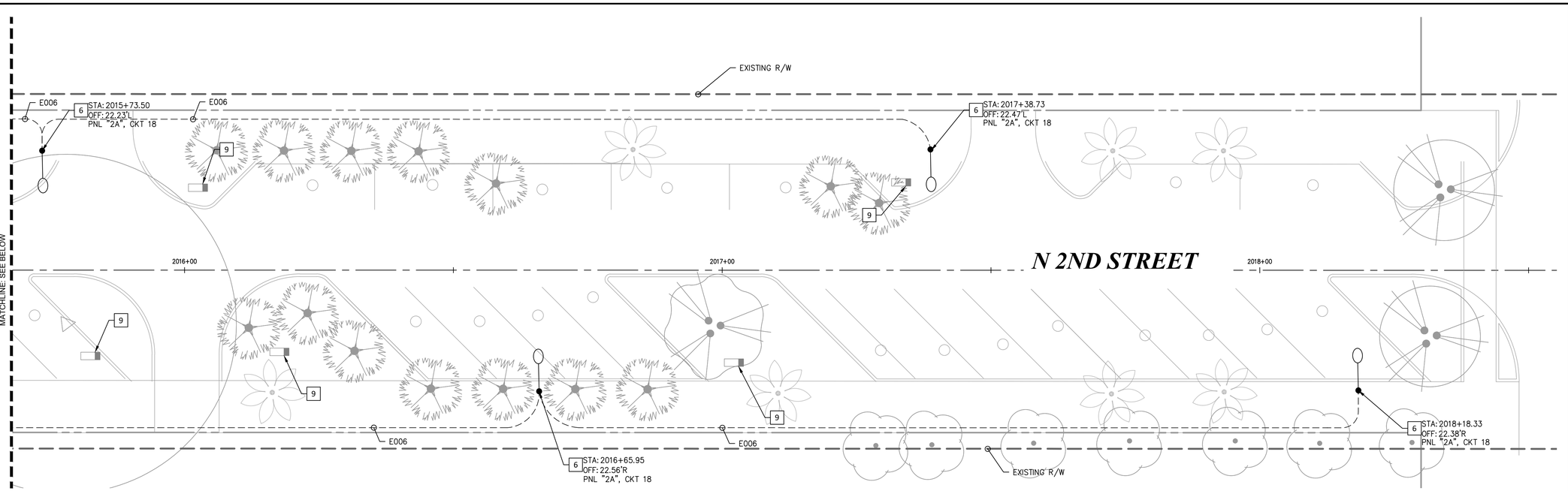
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

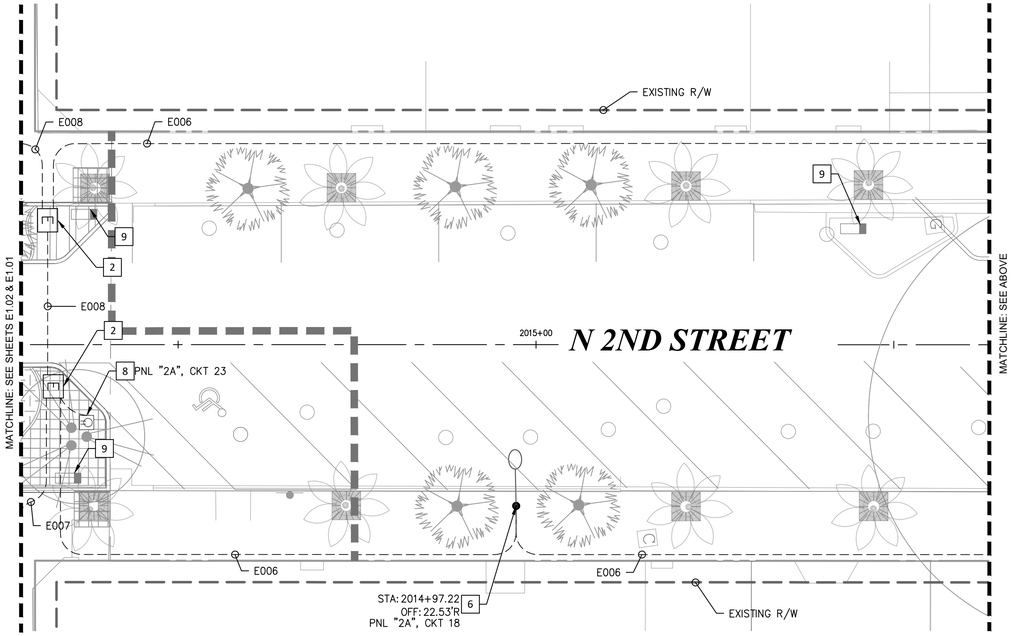
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E1.01

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E1.01 January 08, 2025 10:40:13am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





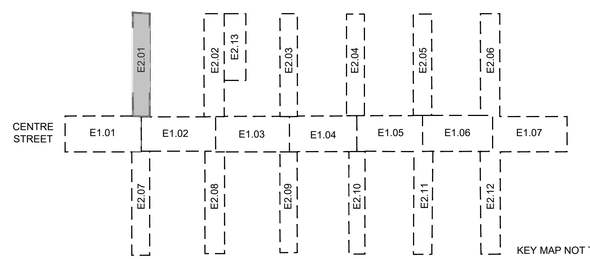
CONSTRUCTION NOTES

2 INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.

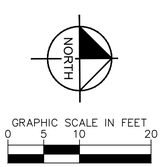
6 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.

8 INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.

9 EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DATE	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ
142806005	01/08/2025				

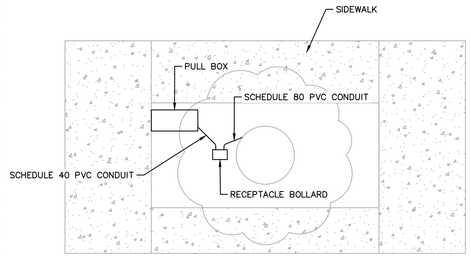
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

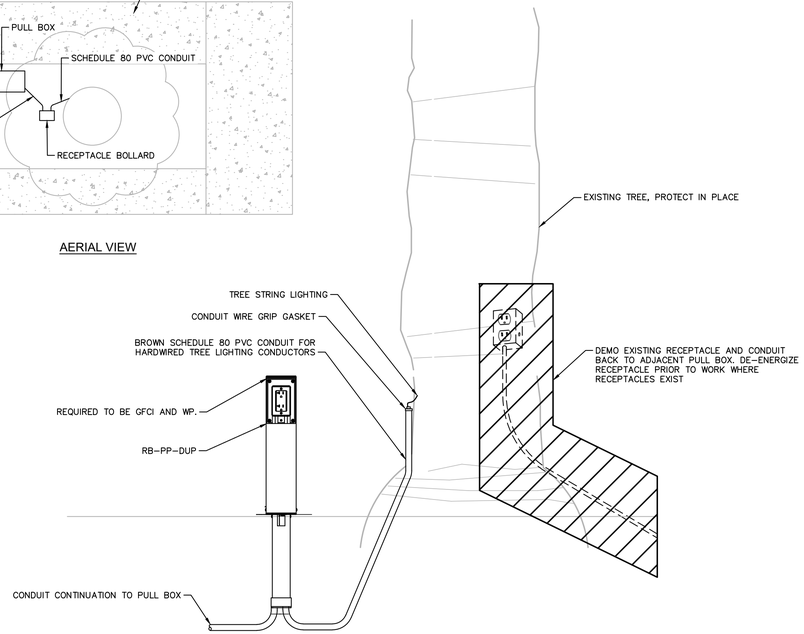
CITY OF FERNANDINA BEACH

SHEET NUMBER
E2.01

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.01 January 08, 2025 10:41:49am K:\JAX_LAI\PW\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\E2.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

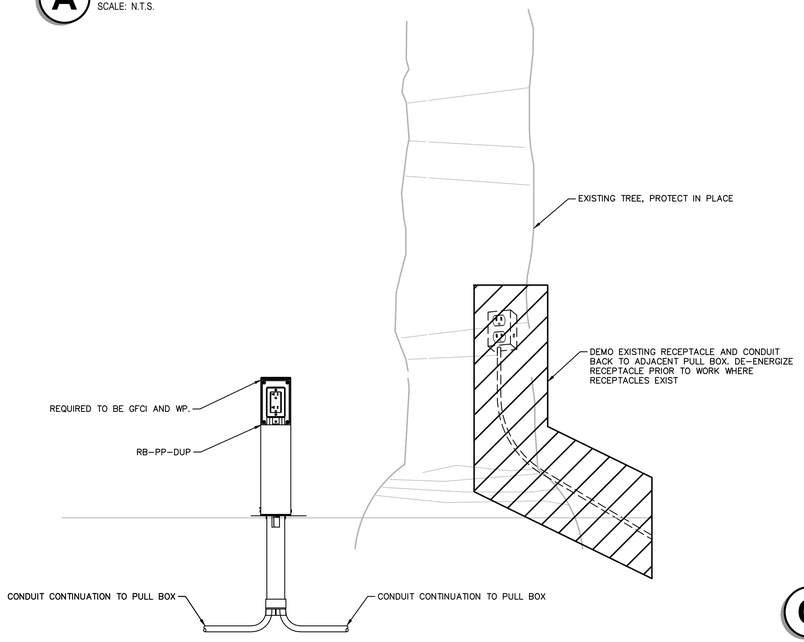


AERIAL VIEW



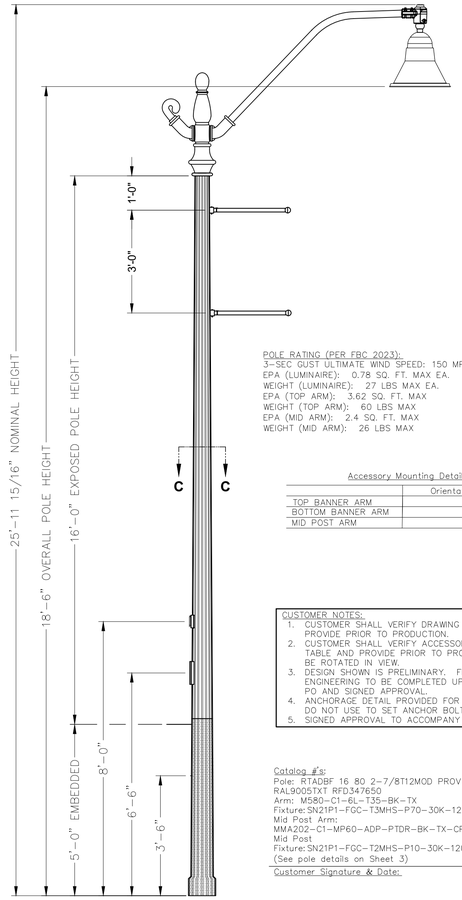
A TYPICAL HERITAGE TREE RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



B TYPICAL RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



POLE RATING (PER FBC 2023):
3-SEC GUST ULTIMATE WIND SPEED: 150 MPH MAX
EPA (LUMINAIRE): 0.78 SQ. FT. MAX EA.
WEIGHT (LUMINAIRE): 27 LBS MAX EA.
EPA (TOP ARM): 3.62 SQ. FT. MAX
WEIGHT (TOP ARM): 60 LBS MAX
EPA (MID ARM): 2.4 SQ. FT. MAX
WEIGHT (MID ARM): 26 LBS MAX

Accessory Mounting Detail

	Orientation
TOP BANNER ARM	
BOTTOM BANNER ARM	
MID POST ARM	

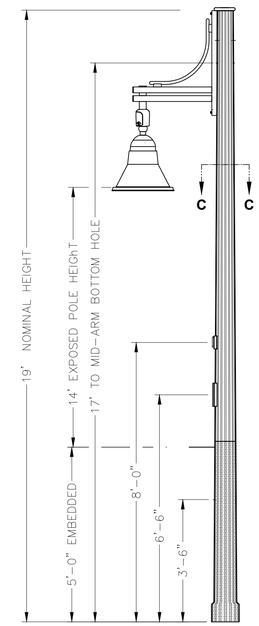
CUSTOMER NOTES:
1. CUSTOMER SHALL VERIFY DRAWING DETAILS AND PROVIDE PRIOR TO PRODUCTION.
2. CUSTOMER SHALL VERIFY ACCESSORY LOCATION IN TABLE AND PROVIDE PRIOR TO PRODUCTION. MAY BE ROTATED IN VIEW.
3. DESIGN SHOWN IS PRELIMINARY. FINAL ENGINEERING TO BE COMPLETED UPON RECEIPT OF PO AND SIGNED APPROVAL.
4. ANCHORAGE DETAIL PROVIDED FOR VISUAL ONLY – DO NOT USE TO SET ANCHOR BOLTS.
5. SIGNED APPROVAL TO ACCOMPANY PO.

Catalog #'s:
Pole: RTADBF 16 80 2-7/8T12MOD PROV GFI 2BA
RAL9005TXT RFD347650
Arm: M580-C1-6L-T35-BK-TX
Fixture: SN21P1-FGC-T3MHS-P70-30K-120-10KV-ADS-PTDR-BK-TX
Mid Post Arm:
MMA202-C1-MP60-ADP-PTDR-BK-TX-CP6786
Mid Post
Fixture: SN21P1-FGC-T2MHS-P10-30K-120-10KV-ADP-PTDR-DIM-BK-TX
(See pole details on Sheet 3)

Customer Signature & Date:

C TYPICAL STREET LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.



D TYPICAL PEDESTRIAN LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

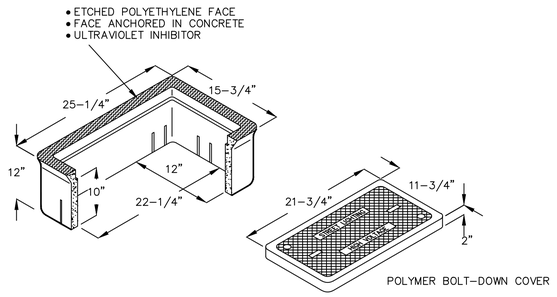
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

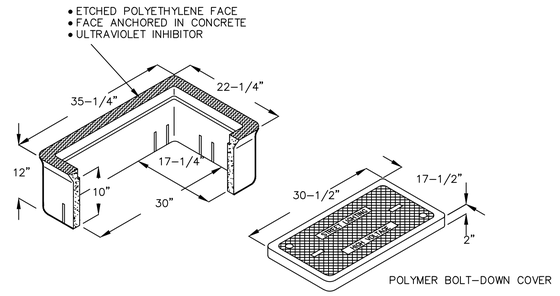
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.01

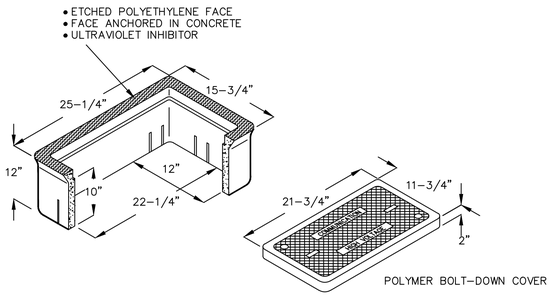
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.01 January 08, 2025 10:46:34am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



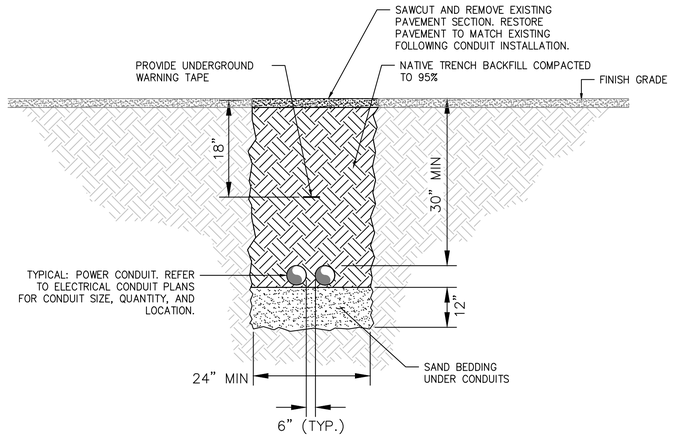
E **TYPICAL NO.5 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



F **TYPICAL NO.7 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



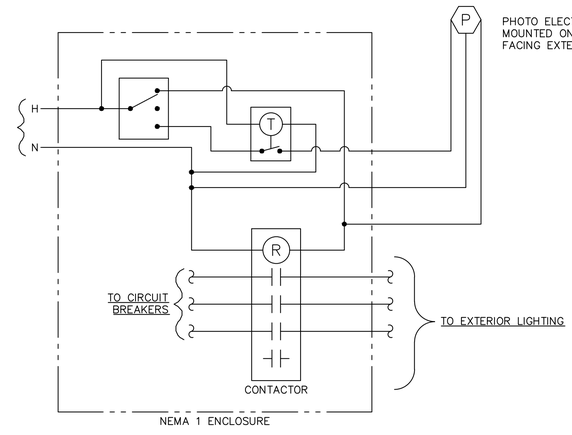
G **TYPICAL COMMUNICATION NO.5 PULL-BOX INSTALLATION DETAIL**
SCALE: N.T.S.



NOTES:

1. ADJUST MINIMUM TRENCH WIDTH TO ACCOMMODATE SPECIFIED CONDUITS IN TRENCH MAINTAINING SEPARATION INDICATED.
2. CEC TABLE 300.5 REQUIRES MINIMUM COVER OF 24" BELOW GRADE UNDER PARKING LOTS AND ROADWAYS. PROVIDE 30" MINIMUM COVER AS INDICATED IN THESE LOCATIONS.
3. CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS INDICATED OTHERWISE ON PLAN VIEW.

Z **TRENCH DETAIL**
SCALE: N.T.S.



H **TYPICAL LIGHTING CONTACTOR AND CONTROL DETAIL**
SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.02 January 08, 2025 10:46:18am K:\JAX_LAND\142806005 – Fernandina beach streetscape\working files\CAD\plan sheets\ES.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E001	1"	NEW	1	(2) #10 AWG CONDUCTORS AND (1) #10 GROUND	ALL	ALL	All connections from pullbox to fixture
E002	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	15	Park Lighting
E003	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	14, 15, 20	South Street Lighting, Park Lighting, Street Receptn
E004	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	19, 21	North Street Lighting, Street Receptn
E005	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 21, 23	Center & North 2nd Steet Lighting, Street Receptn
E006	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	18	North 2nd Street Lighting
E007	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 23	North Street Lighting, Street Receptn
E008	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 23	North Street Lighting, Street Receptn
E009	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16	South 3rd Street Lighting
E010	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 24	Center & South 3rd Street Lighting, Street Receptn
E011	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 17, 22, 24	Center & South 3rd Street Lighting, Street Receptn
E012	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13	South 2nd Street Street Lighting
E013	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 16, 17, 22, 24	Center, South 2nd &3rd Street Lighting, Street Receptn
E014	3"	NEW	1	(12) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 20, 21, 23	Street Lighting, Street Receptn
	3"	NEW	1	(14) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 14, 15, 16, 17, 22, 24	Street Lighting, Street Receptn
E020	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 20	Center Street Lighting, Street Receptn
E021	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	17	North 3rd Street Lighting
E022	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E023	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 17, 20	Center and North 3rd Street Lighting, Street Receptn
E024	2"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCB	22	
E025	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E026	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E027	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E028	3"	NEW	1	(4) #6 AWG CONDUCTORS	LCB	19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E029	3"	NEW	1	(6) #6 AWG CONDUCTORS	LCB	16, 19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E030	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
E031	1"	NEW	1	(2) #8 AWG CONDUCTORS AND (1) #8 GROUND	LCB	24	Library Parking Lot Lighting
E032	3"	NEW	1	(12) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21, 24	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E042	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6GROUND	LCC	16	North East 5th Street Lighting
E043	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16	North East 5th Street Lighting
E044	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16, 21	Center & North 5th Street Lighting, Receptn
E045	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14	North East 6th Street Lighting
E046	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
E047	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	14	North East 6th Street Lighting
E048	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCC	20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E049	3"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
				(4) #6 AWG CONDUCTORS	LCC	17, 20	Center, North 5th & 6th Street Lighting, Receptn
E050	3"	NEW	1	(8) #6 AWG CONDUCTORS	LCC	13, 17, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E051	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	13	North East 7th Street Lighting
E052	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17	Center Street Lighting
E053	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17, 18	Center Street Lighting, Receptn
E054	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCC	13, 17, 18, 19, 20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn
E055	2"	NEW	1	(10) #6 AWG CONDUCTORS (1) #6 GROUND	LCC	13, 17, 18, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E060	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12	South East 3rd Street Lighting
E061	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12, 16	South East 3rd Street Lighting, Receptn
E062	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E063	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E064	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	South West 5th Street Lighting
E065	2"	NEW	1	(4) #6 AWG CONDUCTORS	LC3	15, 18	South West 5th & Center Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	
E066	2"	NEW	1	(6) #6 AWG CONDUCTORS	LC3	11, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South West 5th & Center Street Lighting, Receptn
E067	2"	NEW	1	(8) #6 AWG CONDUCTORS	LC3	11, 13, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South 4tth, 5th & Center Street Lighting, Receptn
E068	3"	NEW	1	(10) #6 AWG CONDUCTORS	LC3	11, 13, 15, 16, 17	South 4tth, 5th & Center Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12, 14, 18	South East 3rd Street & Center Lighting, Receptn
E069	2"	NEW	1	(2) #6 AWG CONDUCTORS	LC3	16	South East 3rd Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12	
E070	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	13	Center &South East 5th Street Lighting
E071	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	13, 14	Center &South East 5th Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS	LC4	18	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	
E072	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	9	South 6th Street Lighting
E073	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	10	South 7th Street Lighting
E074	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	11	Center Street Lighting
E075	2"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	11, 17	Center Street Lighting, Receptn
E076	2"	NEW	1	(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center, South 6th & 7th Street Lighting, Receptn
E077	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	12, 15	Center, South 6th & 7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	
E078	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	9, 12, 15	Center &South7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center & South 6th Street Lighting, Receptn
E079	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	12, 13, 14, 15	Center, South 5th & 7th Street Lighting, Receptn
	3"	NEW	1	(10) #4 AWG CONDUCTORS	LC4	10, 11, 16, 17, 18	Center, South & 6th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting
E080	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	20	North West 5th Street Lighting
E081	2"	NEW	1	(2) #4 AWG CONDUCTORS	LC4	18	Center & North West 5th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting

SITE COMMUNICATION CONDUIT SCHEDULE					
CONDUIT				CABLE	REMARKS
PATH NO.	SIZE	STATUS	QTY		
C100	3"	NEW	1	PULL STING	All connections from pullbox to pullbox

P CONDUIT AND CONDUCTOR SCHEDULE

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING CUTSHEETS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.04 January 08, 2025 10:46:41am K:\JAX_LAL\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.03 January 08, 2025 10:46:46am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00_LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

PANEL NAME (NEW): LC C

LOCATION: NORTH 7TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 125 A
MCB RATING: 125 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1			125	2					1	20	L	LIGHTS	2
3	MAIN								1	20	L	LIGHTS	4
5									1	20	L	LIGHTS	6
7	WEST POWER PEDESTALS	R	100	2					1	20	R	CONTACTOR	8
9									1	20	R	SPRINKLER/TIME CLOCK ON PEDESTAL	10
11	EAST POWER PEDESTALS	R	60	2					1	20	R	CONTACTORS	12
13	**LIGHTING N 7TH**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 6TH**	14
15	SPACE							1,425	1	20	L	**LIGHTING CENTER**	16
17	**LIGHTING CENTER**	L	20	1	1,425	1,260			1	20	R	**CENTER RECEPTACLES**	18
19	**CENTER RECEPTACLES**	R	20	1			1,080	1,080	1	20	R	**CENTER RECEPTACLES**	20
21	**CENTER RECEPTACLES**	R	20	1	1,260							SPACE	22
23	SPACE	R	20	1								SPACE	24
					TOTAL LOAD:		6,395 VA		TOTAL LOAD:			3,585 VA	
					TOTAL AMPS:		53.3 A		TOTAL AMPS:			29.9 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	9980
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11305
RECEPTACLE (R)	4680.0	100.00%	4680.0	TOTAL CONN. (A):	41.6
LIGHTING (L)	5300.0	125.00%	6625.0	TOTAL EST. DEMAND (A):	47.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	38%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

NOTES:
REMOVE THE EXISTING ELECTRICAL PANEL AND CAREFULLY DISCONNECT ALL ASSOCIATED WIRING. INSTALL A NEW 120/240V, 1-PHASE, 200A NEMA 1 DISTRIBUTION PANEL IN THE SAME LOCATION. REPLACE EXISTING BREAKERS WITH NEW BREAKERS MATCHING THE SPECIFICATIONS, RATINGS, AND CONFIGURATIONS OF THE ORIGINAL BREAKERS TO PROTECT ALL EXISTING CIRCUITS. RECONNECT ALL EXISTING WIRING TO THE NEW PANEL IN ACCORDANCE WITH THE ORIGINAL CONFIGURATION, ENSURING COMPLIANCE WITH NEC AND LOCAL ELECTRICAL CODES. TEST THE PANEL AND BREAKERS FOR PROPER OPERATION, AND PROVIDE AS-BUILT DOCUMENTATION, INCLUDING AN UPDATED PANEL SCHEDULE.

I PANEL LCC PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 4

LOCATION: SOUTH 6TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHT	L	30	1					1	30	L	STREET LIGHT	2
3	PHOTO CELL	R	20	1					1	30	L	STREET LIGHT	4
5	OUTLET BELOW	R	20	1					1	20	L	LIGHT IN THIS CABINET	6
7	EXISTING	L	20	1					1	20	R	IRRIGATION TIME CLOCK	8
9	**LIGHTING SOUTH 6TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 7TH**	10
11	**LIGHTING CENTER (EAST)**	L	20	1			1,625	1,135	1	20	L	**LIGHTING CENTER**	12
13	**LIGHTING CENTER**	L	20	1	1,825	1,260			1	20	R	**RECEPTACLES W 6TH**	14
15	**RECEPTACLES E 6TH**	R	20	1			1,260	1,260	1	20	R	**RECEPTACLES E 7TH**	16
17	**RECEPTACLES E 7TH**	R	20	1	720							SPACE	18
19	SPACE											SPACE	20
					TOTAL LOAD:		6,010 VA		TOTAL LOAD:			5,280 VA	
					TOTAL AMPS:		50.1 A		TOTAL AMPS:			44 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	11290
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	12987.5
RECEPTACLE (R)	4500.0	100.00%	4500.0	TOTAL CONN. (A):	47
LIGHTING (L)	6790.0	125.00%	8487.5	TOTAL EST. DEMAND (A):	54.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	27%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

J PANEL LC4 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 3

LOCATION: SOUTH 4TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	2
3	STREET LIGHTS	L	20	1					1	30	L	STREET LIGTHS	4
5	OUTLET BELOW	R	20	1					1	20	L	STREET LIGTHS	6
7	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	8
9	STREET LIGHTS	L	30	1					1	20	R	SPRINKLER/FOUNTAIN TIME CLOCK	10
11	FOUNTAIN	M	20	1			1,600	1,180	1	20	L	**LIGHTING SOUTH 3RD**	12
13	**LIGHTING SOUTH 4TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 5TH**	14
15	**LIGHTING CENTER**	L	20	1			1,335	1,080	1	20	R	**RECEPTACLES S CENTER**	16
17	**RECEPTACLES S CENTER**	R	20	1	1,260	900			1	20	R	**RECEPTACLES S CENTER**	18
19	SPACE											SPACE	20
					TOTAL LOAD:		4,365 VA					5,195 VA	
					TOTAL AMPS:		36.4 A					43.3 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	1600.0	125.00%	2000.0	TOTAL CONN. LOAD (VA):	9560
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11140
RECEPTACLE (R)	3240.0	100.00%	3240.0	TOTAL CONN. (A):	39.8
LIGHTING (L)	4720.0	125.00%	5900.0	TOTAL EST. DEMAND (A):	46.4
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	23%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

K PANEL LC3 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING) : LC B

LOCATION: NORTH 3RD ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	POWER PEDISTAL	R	100	2					1	30	L	N. 3RD STREET LIGHTS	2
3									1	30	L	LIGHTS	4
5	LIGHTS	L	30	1					1	30		EXISTING	6
7	LIBRARY PARKING LIGHTS	L	30	1					1	20		EXISTING	8
9	EXISTING		20	1					1	20		EXISTING	10
11	EXISTING		20	1					2	30		EXISTING	12
13			100	2									14
15	EXISTING							980	1	20	L	**LIGHTING CENTER ST**	16
17	**LIGHTING N 3RD**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 4TH**	18
19	**LIGHTING CENTER ST**	L	20	1			890	540	1	20	R	**RECEPTACLES W 3RD**	20
21	**RECEPTACLES E 3RD**	R	20	1	1,080	1,440			1	20	R	**RECEPTACLES E 3RD**	22
23	**POWER PEDISTAL**	R	100	2				204	1	20	L	**LIBRARY PARKING LIGHTS**	24
25												SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		4,970 VA		TOTAL LOAD:			2,614 VA	
					TOTAL AMPS:		41.4 A		TOTAL AMPS:			21.8 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	7584
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	8715
RECEPTACLE (R)	3060.0	100.00%	3060.0	TOTAL CONN. (A):	31.6
LIGHTING (L)	4524.0	125.00%	5655.0	TOTAL EST. DEMAND (A):	36.3
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	18%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

L PANEL LCB PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 2/A

LOCATION: SOUTH 2ND & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

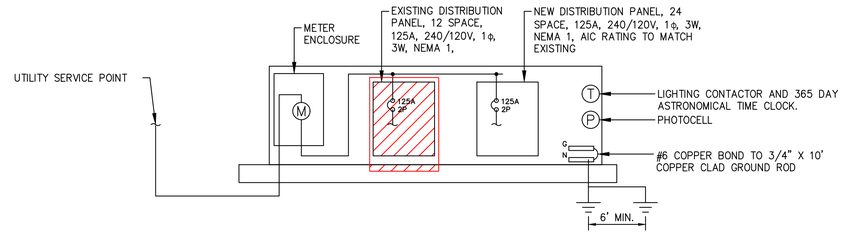
AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1		R	100	2					2	80	R		2
3	MAIN											PEDS. NORTH 2ND WEST SIDE	4
5	PED SOUTH 2ND	L	20	1					2	100	R		6
7	EAST WEST SIDE	L	20	1								PEDS NORTH 2ND CENTERE ST	8
9	PED SOUTH 2ND	L	20	1					1	20	L	STREET LIGHTS SOUTH WEST	10
11	EAST WEST	L	20	1					1	20	R	PHOTCELL BYPASS SWITCH	12
13	**LIGHTING SOUTH 2ND**	L	20	1	1,225	935			1	20	L	**LIGHTING SOUTH CENTRE**	14
15	**LIGHTING PARK**	L	20	1			729	1,129	1	20	L	**LIGHTING SOUTH 3RD**	16
17	**LIGHTING CENTRE**	L	20	1	1,129	1,225			1	20	L	**LIGHTING NORTH 2ND**	18
19	**LIGHTING NORTH CENTRE**	L	20	1			1,335	1,800	1	20	R	**RECEPTACLES S CENTER**	20
21	**RECEPTACLES N CENTER**	R	20	1	1,080	720			1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	22
23	**RECEPTACLES N CENTER (EAST OF 2ND)**	R	20	1			900	1,080	1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	24
25	**RECEPTACLES N CENTER**	R	20	1	900							SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		7,214 VA					6,973 VA	
					TOTAL AMPS:		60.1 A					58.1 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	14187
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	16113.75
RECEPTACLE (R)	6480.0	100.00%	6480.0	TOTAL CONN. (A):	59.1
LIGHTING (L)	7707.0	125.00%	9633.8	TOTAL EST. DEMAND (A):	67.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	67%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

M PANEL LC2/A PANEL SCHEDULE

SCALE: N.T.S.



N METER PEDESTAL SINGLE LINE DIAGRAM (PANEL LCC)

SCALE: N.T.S.

Panel Name	Existing Load (kW)	Removed Load (kW)	New Load (kW)	Total Load (kW)	Panel Capacity (kW)	Percent Loaded
Panel LCC	3.39	2.37	11.3	12.32	30	41%
Panel LC4	2.46	1.72	15.9	16.64	48	35%
Panel LC3	58.66	41.06	11.14	28.74	48	60%
Panel LCB	3.84	2.69	8.7	9.85	48	21%
Panel LC2A	1.67	1.17	16.11	16.61	48	35%

EXISTING LOADS WERE DETERMINED BASED ON THE PEAK ENERGY CONSUMPTION RECORDED DURING THE HIGHEST-USE MONTH IN THE BILLING HISTORY

O PANEL LOAD SUMMARY (ALL PANELS)

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.03

cyclone

Campana SN21P1
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

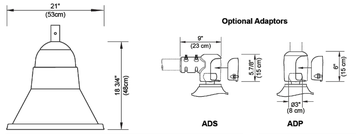
Ordering Code

Model	Lens	Distribution	Performance Package	CCT	Volts	Surge Protector
SN21P1	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 * Backward optic	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ACS	DIM 0-10 volts wire for external controls PND506 Program 50% for 6 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD* Field adjustable 10% increment step-dimming switch * Contact factory for wireless controls and more information regarding SD option.	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 0.78 ft² **Weight:** 23.6 lbs / 10.7 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 **www.cyclonelighting.com**
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2023 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2023/07

Q TYPE T2 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

cyclone

Campana CN55P1A
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

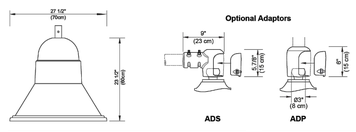
Ordering Code

Model	Lens	Distribution	Performance package	CCT	Volts	Surge protector
CN55P1A	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 TCW Crosswalk * Backward optic T3M81A	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm) P80 (17500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
– Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	– PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ADS	– DIM 0-10 volts wire for external controls PND506 Program 50% for 8 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD Field adjustable 10% increment step-dimming switch	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 1.25 ft² **Weight:** 55.3 lbs / 25.1 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 www.cyclonelighting.com
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2024 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2024/06

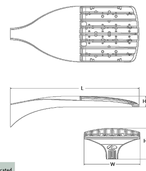
R TYPE T1 & T3 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

D-Series Size 1
LED Area Luminaire

dsx series

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Catalog Number
Notes
Type

Fill the Tab key or mouse over the page to see all interactive elements.

Introduction
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.
The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Design Select options indicated by this color background.

design select
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information
EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P6 P2 P7 P3 P8 P4 P9 P5 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare[2] T4M Type IV medium T4LG Type IV low glare[2] TFTM Forward throw medium T5M Type V medium T5G Type V low glare T5W Type V wide BLC3 Type III backlight control[3] BLC4 Type IV backlight control[3] LCCO Left corner cutoff[3] RCCO Right corner cutoff[3]	MVOLT (120V-277V)[4] HVOLT (347V-480V)[5,6] VHVOLT (277V-480V)[5,6] 120[4,36] 208[4,36] 240[4,36] 277[4,36] 347[4,36] 480[4,36]	**Shipped included** SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling[4] RPA5 Round pole mounting #5 drilling[4] SPA8N Square narrow pole mounting (#8 drilling) WBA Wall bracket[4] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options		Other options		Finish (required)	
Shipped installed		**Shipped installed**		DDBXD Dark Bronze	
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[7,11,35,37]	PER7 Seven-pin receptacle only (controls ordered separately)[8,37]	SPD20KV 20KV surge protection		DBLBD Black	
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[35,37]	FAO Field adjustable output[14,37]	HS Houseside shield (black finish standard)[37]		DNAXD Natural Aluminum	
PER NEMA twist-lock receptacle only (controls ordered separately)[8]	BL30 Bi-level switched dimming, 30%[9,37]	L90 Left rotated optics[1]		DWHXD White	
PERS Five-pin receptacle only (controls ordered separately)[8,37]	BL50 Bi-level switched dimming, 50%[9,37]	R90 Right rotated optics[1]		DDBTXD Textured dark bronze	
	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[37]	CCE Coastal Construction[35]		DBLBXD Textured black	
	DS Dual switching[10,11,37]	HA 50°C ambient operation[36]		DNATXD Textured natural aluminum	
		BAA Buy America(n) Act and/or Build America Buy America Qualified		DWHGXD Textured white	
		SF Single fuse (120, 277, 347V)[4]			
		DF Double fuse (208, 240, 480V)[4]			
		Shipped separately			
		EGSR External Glare Shield (reversible, field install required, matches housing finish)			
		BSDB Bird Spikes (field install required)			

LITHONIA LIGHTING
COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2011-2024 Acuity Brands Lighting, Inc. All rights reserved.

S TYPE T4 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

REVISIONS | DATE | BY | No.

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.05 January 08, 2025 10:46:53am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.06 January 08, 2025 10:47:05am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Panel LCC - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	15	120	1	0.11%	2
3	STA7014+73.40	2	13,336	NM	Copper	1	Set of	6	6.1	212	120	1	1.06%	3
4	STA7016+58.49	3	1,247	NM	Copper	1	Set of	6	4.066667	203	120	1	1.67%	4
5	STA7018+09.25	4	667	NM	Copper	1	Set of	6	2.033333	171	120	1	1.92%	5

Panel LCC - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.16667	340	120	1	1.67%	2
3	STA6015+06.01	2	1,308	NM	Copper	1	Set of	4	6.1	170	120	1	2.17%	3
4	STA6016+70.34	3	881	NM	Copper	1	Set of	6	4.066667	190	120	1	2.74%	4
5	STA6018+26.76	4	560	NM	Copper	1	Set of	6	2.033333	175	120	1	3.00%	5

Panel LCC - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA113+97.05	1	42,472	NM	Copper	1	Set of	4	8.316667	335	120	1	1.35%	2
3	STA113+38.13	2	1,327	NM	Copper	1	Set of	4	6.283333	108	120	1	1.67%	3
4	STA112+78.87	3	1,011	NM	Copper	1	Set of	6	4.25	185	120	1	2.25%	4
5	STA111+98.46	4	616	NM	Copper	1	Set of	6	2.216667	113	120	1	2.43%	5
6	STA5017+32.87	5	497	NM	Copper	1	Set of	6	2.033333	382	120	1	3.00%	6

Panel LCC - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	12.38333	53	120	1	0.48%	2
3	STA117+15.14	2	4,871	NM	Copper	1	Set of	6	6.283333	64	120	1	0.78%	3
4	STA117+98.92	3	2,354	NM	Copper	1	Set of	8	4.25	212	120	1	1.81%	4
5	STA118+30.81	4	642	NM	Copper	1	Set of	8	4.066667	160	120	1	2.56%	5
6	STA119+33.81	5	414	NM	Copper	1	Set of	8	2.033333	156	120	1	2.93%	6

Panel LCC - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 5	1	42,472	NM	Copper	1	Set of	8	10.5	179	120	1	2.16%	2
3	LCC RECEPTACLE 1	2	1,019	NM	Copper	1	Set of	10	3	119	120	1	2.82%	3
4	LCC RECEPTACLE 2	3	502	NM	Copper	1	Set of	10	1.5	29	120	1	2.90%	4

Panel LCC - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	10	9	52	120	1	0.86%	2
3	LCC PULL BOX 6	2	2,149	NM	Copper	1	Set of	10	4.5	104	120	1	1.72%	3
4	LCC RECEPTACLE 3	3	741	NM	Copper	1	Set of	10	3	25	120	1	1.85%	4
5	LCC RECEPTACLE 4	4	641	NM	Copper	1	Set of	10	1.5	49	120	1	1.99%	5

Panel LCC - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	234	120	1	1.54%	2
3	LCC RECEPTACLE 5	2	1,211	NM	Copper	1	Set of	10	4.5	116	120	1	2.50%	3
4	LCC RECEPTACLE 6	3	552	NM	Copper	1	Set of	10	3	39	120	1	2.72%	4
5	LCC RECEPTACLE 7	4	467	NM	Copper	1	Set of	10	1.5	32	120	1	2.80%	5

Panel LCC - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 8	1	42,472	NM	Copper	1	Set of	4	10.5	398	120	1	2.02%	2
3	LCC PULL BOX 9	2	1,123	NM	Copper	1	Set of	6	6	135	120	1	2.61%	3
4	LCC PULL BOX 10	3	739	NM	Copper	1	Set of	6	3	66	120	1	2.76%	4
5	LCC RECEPTACLE 8	4	633	NM	Copper	1	Set of	10	1.5	49	120	1	2.89%	5

T PANEL LCC VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LCB - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	8.133333	212	120	1	1.26%	2
3	LCB PULL BOX 2	2	1,332	NM	Copper	1	Set of	6	4.066667	99	120	1	1.56%	3
4	STA104+88.04	3	917	NM	Copper	1	Set of	6	2.033333	55	120	1	1.64%	4

Panel LCB - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.16667	19	120	1	0.14%	2
3	STA3015+16.35	2	11,274	NM	Copper	1	Set of	6	6.1	126	120	1	0.71%	3
4	STA3015+93.43	3	1,920	NM	Copper	1	Set of	6	4.066667	279	120	1	1.54%	4
5	STA3017+56.28	4	677	NM	Copper	1	Set of	6	2.033333	176	120	1	1.80%	5

Panel LCB - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	2	10.16667	454	120	1	1.46%	2
3	STA4016+04.97	8	835	NM	Copper	1	Set of	6	4.066667	88	120	1	2.20%	3
4	STA4017+66.55	3	667	NM	Copper	1	Set of	6	2.033333	177	120	1	2.47%	4
5	STA4015+16.88	2	1,540	NM	Copper	1	Set of	6	6.1	100	120	1	1.91%	5
6	STA4016+78.17	5	1,008	NM	Copper	1	Set of	6	4.066667	161	120	1	2.39%	6
7	STA4018+41.62	6	647	NM	Copper	1	Set of	6	2.033333	164	120	1	2.63%	7
8	P8 4TH STREET	2	1,540	NM	Copper	1	Set of	6	4.066667	160	120	1	1.94%	8

Panel LCB - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	4.433333	357	120	1	1.16%	2
3	LCB PULL BOX 4	2	801	NM	Copper	1	Set of	6	4.25	121	120	1	1.54%	3
4	LCB PULL BOX 6	3	601	NM	Copper	1	Set of	6	2.216667	40	120	1	1.60%	4
5	LCB PULL BOX 7	4	556	NM	Copper	1	Set of	6	0.183333	83	120	1	1.61%	5

Panel LCB - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE 1	1	42,472	NM	Copper	1	Set of	6	4.5	335	120	1	1.11%	2
3	LCB RECEPTACLE 2	2	853	NM	Copper	1	Set of	10	3	25	120	1	1.24%	3
4	LCB RECEPTACLE 3	3	722	NM	Copper	1	Set of	10	1.5	30	120	1	1.33%	4

Panel LCB - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 8	1	42,472	NM	Copper	1	Set of	6	9	270	120	1	1.78%	2
3	LCB PULL BOX 5	2	1,053	NM	Copper	1	Set of	6	1.5	115	120	1	1.91%	3

Panel LCB - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	4	12	445	120	1	2.58%	2
3	LCB PULL BOX 6	2	1,007	NM	Copper	1	Set of	4	7.5	34	120	1	2.70%	3
4	LCB RECEPTACLE 4	3	937	NM	Copper	1	Set of	6	3	91	120	1	2.90%	4
5	LCB RECEPTACLE 5	4	725	NM	Copper	1	Set of	10	1.5	20	120	1	2.96%	5
6	R1	3	937	NM	Copper	1	Set of	10	4.5	20	120	1	2.87%	6
7	R2	6	808	NM	Copper	1	Set of	10	3	16	120	1	2.96%	7
8	R3	7	728	NM	Copper	1	Set of	10	1.5	16	120	1	3.00%	8

Panel LCB - Circuit 23&25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE BOLLARD 1	1	42,472	NM	Copper	1	Set of	1	30	261	240	1	1.04%	2

Panel LCB - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 9	1	42,472	NM	Copper	1	Set of	6	1.7	102	120	1	0.13%	2
3	LCB LIGHT 1	2	2,679	NM	Copper	1	Set of	8	0.85	137	120	1	0.26%	3

U PANEL LCB VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC4- Circuit 9

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	8	10.16667	17	120	1	0.20%	2
3	STA6011+93.15	2	8,736	NM	Copper	1	Set of	8	6.1	105	120	1	0.94%	3
4	STA6010+44.34	3	1,479	NM	Copper	1	Set of	8	4.066667	170	120	1	1.73%	4
5	STA6009+63.82	4	631	NM	Copper	1	Set of	8	2.033333	101	120	1	1.97%	5

Panel LC4 - Circuit 10

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 1	1	42,472	NM	Copper	1	Set of	4	8.133333	377	120	1	1.48%	2
3	STA7012+89.95	2	1,184	NM	Copper	1	Set of	8	4.066667	204	120	1	2.44%	3
4	STA7010+75.45	3	517	NM	Copper	1	Set of	8	2.033333	227	120	1	2.97%	4

Panel LC4- Circuit 11

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.5	477	120	1	1.96%	2
3	LC4 PULL BOX 3	2	941	NM	Copper	1	Set of	4	6.283333	124	120	1	2.34%	3
4	STA118+61.55	3	750	NM	Copper	1	Set of	6	4.066667	120	120	1	2.69%	4
5	STA119+33.55	4	573	NM	Copper	1	Set of	6	2.033333	117	120	1	2.87%	5

Panel LC4 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	8	6.466667	220	120	1	1.64%	2
3	LC4 PULL BOX 5	2	833	NM	Copper	1	Set of	8	4.25	85	120	1	2.05%	3
4	STA116+16.09	3	604	NM	Copper	1	Set of	8	2.033333	124	120	1	2.34%	4

Panel LC4 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	6	10.71667	106	120	1	0.83%	2
3	LC4 PULL BOX 7	2	2,584	NM	Copper	1	Set of	6	8.5	140	120	1	1.71%	3
4	LC4 PULL BOX 8	3	1,153	NM	Copper	1	Set of	6	6.283333	86	120	1	2.10%	4
5	STA5013+17.45	4	861	NM	Copper	1	Set of	8	4.066667	84	120	1	2.49%	5
6	STA5011+58.93	5	621	NM	Copper	1	Set of	8	2.033333	175	120	1	2.90%	6

Panel LC4 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	8	10.5	108	120	1	1.30%	2
3	LC4 RECEPTACLE 1	2	1,663	NM	Copper	1	Set of	8	4.5	149	120	1	2.08%	3
4	LC4 PULL BOX 8	3	715	NM	Copper	1	Set of	10	3	95	120	1	2.60%	4

Panel LC4 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	10.5	214	120	1	1.65%	2
3	LC4 PULL BOX 5	2	1,320	NM	Copper	1	Set of	10	6	84	120	1	2.57%	3
4	LC4 RECEPTACLE 9	3	680	NM	Copper	1	Set of	10	1.5	121	120	1	2.90%	4

Panel LC4 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.5	480	120	1	2.44%	2
3	LC4 RECEPTACLE 6	2	935	NM	Copper	1	Set of	10	4.5	16	120	1	2.57%	3
4	LC4 RECEPTACLE 7	3	830	NM	Copper	1	Set of	10	3	47	120	1	2.83%	4
5	LC4 RECEPTACLE 8	4	623	NM	Copper	1	Set of	10	1.5	27	120	1	2.90%	5

Panel LC4 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 3	1	42,472	NM	Copper	1	Set of	4	6	618	120	1	1.79%	2
3	LC4 RECEPTACLE 3	2	730	NM	Copper	1	Set of	10	4.5	100	120	1	2.62%	3
4	LC4 RECEPTACLE 4	3	451	NM	Copper	1	Set of	10	3	34	120	1	2.80%	4
5	LC4 RECEPTACLE 5	4	399	NM	Copper	1	Set of	10	1.5	30	120	1	2.89%	5

Panel LC4 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	4	9	440	120	1	1.91%	2
3	LC4 RECEPTACLE 10	2	1,018	NM	Copper	1	Set of	10	6	20	120	1	2.13%	3
4	LC4 RECEPTACLE 11	3	868	NM	Copper	1	Set of	10	4.5	30	120	1	2.38%	4
5	LC4 RECEPTACLE 12	4	711	NM	Copper	1	Set of	10	3	31	120	1	2.55%	5
6	LC4 RECEPTACLE 13	5	599	NM	Copper	1	Set of	10	1.5	34	120	1	2.65%	6

Panel LC4 - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	2	12.2	440	120	1	1.70%	2
3	STA5015+33.99	2	1,587	NM	Copper	1	Set of	6	6.1	146	120	1	2.35%	3
4	STA5016+34.22	3	884	NM	Copper	1	Set of	6	4.066667	119	120	1	2.71%	4
5	STA5018+11.81	4	650	NM	Copper	1	Set of	6	2.033333	195	120	1	3.00%	5

Y PANEL LC4 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.06

Panel LC2A - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	12	120	1	0.09%	2
3	STA2012+27.34	2	15,457	NM	Copper	1	Set of	6	4.066667	270	120	1	0.88%	3
4	STA2010+41.29	3	1,009	NM	Copper	1	Set of	6	2.033333	197	120	1	1.19%	4

Panel LC2A - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.283333	89	120	1	0.41%	2
3	LC2A PULL BOX 3	2	3,042	NM	Copper	1	Set of	6	4.25	119	120	1	0.78%	3
4	LC2A PULL BOX 4	3	1,357	NM	Copper	1	Set of	6	4.066667	113	120	1	1.12%	4
5	STA100+16.77	4	889	NM	Copper	1	Set of	6	2.033333	52	120	1	1.20%	5

Panel LC2A - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	6.1	334	120	1	1.49%	2
3	LC2A PULL BOX 6	2	855	NM	Copper	1	Set of	6	4.066667	28	120	1	1.58%	3
4	STA100+93.57	3	791	NM	Copper	1	Set of	6	2.033333	28	120	1	1.62%	4

Panel LC2A - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	6.466667	323	120	1	1.53%	2
3	LC2A PULL BOX 8	2	884	NM	Copper	1	Set of	6	6.283333	80	120	1	1.90%	3
4	STA3012+76.00	3	711	NM	Copper	1	Set of	6	4.066667	105	120	1	2.21%	4
5	STA3010+73.28	4	566	NM	Copper	1	Set of	6	2.033333	218	120	1	2.54%	5

Panel LC2A - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.466667	86	120	1	0.41%	2
3	LC2A PULL BOX 9	2	3,140	NM	Copper	1	Set of	6	2.216667	155	120	1	0.66%	3
4	STA104+02.47	3	1,176	NM	Copper	1	Set of	6	0.183333	126	120	1	0.68%	4

Panel LC2A - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 10	1	42,472	NM	Copper	1	Set of	6	10.16667	167	120	1	1.25%	2
3	STA2014+97.22	2	1,677	NM	Copper	1	Set of	6	6.1	120	120	1	1.78%	3
4	STA2016+65.95	3	892	NM	Copper	1	Set of	6	4.066667	182	120	1	2.32%	4
5	STA2018+18.33	4	613	NM	Copper	1	Set of	6	2.033333	166	120	1	2.57%	5

Panel LC2A - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	6.65	133	120	1	0.65%	2
3	LC2A PULL BOX 12	2	2,085	NM	Copper	1	Set of	6	4.433333	128	120	1	1.06%	3
4	LC2A PULL BOX 13	3	1,089	NM	Copper	1	Set of	6	2.4	70	120	1	1.19%	4
5	LC2A PULL BOX 14	4	863	NM	Copper	1	Set of	6	2.216667	88	120	1	1.33%	5
6	STA100+29.48	5	685	NM	Copper	1	Set of	6	2.033333	25	120	1	1.37%	6

Panel LC2A - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	15	87	120	1	0.96%	2
3	LC2A PULL BOX 3	2	3,107	NM	Copper	1	Set of	6	9	116	120	1	1.72%	3
4	LC2A PULL BOX 4	3	1,389	NM	Copper	1	Set of	6	7.5	113	120	1	2.34%	4
5	LC2A RECEPTACLE 1	4	903	NM	Copper	1	Set of	10	3	15	120	1	2.43%	5
6	LC2A RECEPTACLE 2	5	810	NM	Copper	1	Set of	10	1.5	25	120	1	2.50%	6

Panel LC2A - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 13	1	42,472	NM	Copper	1	Set of	6	9	321	120	1	2.12%	2
3	LC2A RECEPTACLE 3	2	889	NM	Copper	1	Set of	10	3	95	120	1	2.64%	3
4	LC2A RECEPTACLE 4	3	518	NM	Copper	1	Set of	10	1.5	14	120	1	2.68%	4

Panel LC2A - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 15	1	42,472	NM	Copper	1	Set of	6	7.5	145	120	1	0.80%	2
3	LC2A PULL BOX 16	2	1,920	NM	Copper	1	Set of	6	4.5	118	120	1	1.19%	3
4	LC2A RECEPTACLE 5	3	1,081	NM	Copper	1	Set of	10	3	16	120	1	1.27%	4
5	LC2A RECEPTACLE 6	4	942	NM	Copper	1	Set of	10	1.5	36	120	1	1.37%	5

Panel LC2A - Circuit 23

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 17	1	42,472	NM	Copper	1	Set of	6	7.5	195	120	1	1.07%	2
3	LC2A PULL BOX 9	2	1,445	NM	Copper	1	Set of	10	6	49	120	1	1.61%	3
4	LC2A RECEPTACLE 7	3	902	NM	Copper	1	Set of	10	1.5	128	120	1	1.96%	4

Panel LC2A - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	318	120	1	2.10%	2
3	LC2A RECEPTACLE 8	2	898	NM	Copper	1	Set of	10	4.5	84	120	1	2.79%	3
4	LC2A RECEPTACLE 9	3	547	NM	Copper	1	Set of	10	3	24	120	1	2.92%	4
5	LC2A RECEPTACLE 10	4	492	NM	Copper	1	Set of	10	1.5	29	120	1	3.00%	5

Panel LC2A - Circuit 25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	7.5	133	120	1	0.73%	2
3	LC2A RECEPTACLE 11	2	2,085	NM	Copper	1	Set of	10	6	16	120	1	0.91%	3
4	LC2A RECEPTACLE 12	3	1,625	NM	Copper	1	Set of	10	4.5	22	120	1	1.09%	4
5	LC2A RECEPTACLE 13	4	1,246	NM	Copper	1	Set of	10	3	30	120	1	1.25%	5
6	LC2A RECEPTACLE 14	5	946	NM	Copper	1	Set of	10	1.5	34	120	1	1.33%	6

W PANEL LC1A VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC3 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.316667	297	120	1	1.19%	2
3	STA106+02.04	2	1,491	NM	Copper	1	Set of	6	6.1	114	120	1	1.70%	3
4	STA3011+79.48	3	942	NM	Copper	1	Set of	6	4.066667	204	120	1	2.31%	4
5	STA3009+82.00	4	568	NM	Copper	1	Set of	6	2.033333	217	120	1	2.64%	5

Panel LC3 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	10	120	1	0.07%	2
3	STA4013+13.27	2	17,290	NM	Copper	1	Set of	6	6.1	97	120	1	0.51%	3
4	STA4011+46.64	3	2,561	NM	Copper	1	Set of	6	4.066667	368	120	1	1.61%	4
5	STA4009+72.12	4	605	NM	Copper	1	Set of	6	2.033333	198	120	1	1.90%	5

Panel LC3 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA110+79.14	1	42,472	NM	Copper	1	Set of	4	8.133333	502	120	1	1.97%	2
3	STA5012+39.86	2	895	NM	Copper	1	Set of	4	6.1	190	120	1	2.53%	3
4	STA5010+81.80	3	653	NM	Copper	1	Set of	4	4.066667	170	120	1	2.87%	4
5	STA5009+72.63	4	526	NM	Copper	1	Set of	4	2.033333	130	120	1	3.00%	5

Panel LC3 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	6.65	145	120	1	0.71%	2
3	LC3 PULL BOX 4	2	1,920	NM	Copper	1	Set of	6	4.433333	85	120	1	0.98%	3
4	STA110+22.24	3	1,231	NM	Copper	1	Set of	6	0.366667	152	120	1	1.02%	4
5	STA110+74.43	4	750	NM	Copper	1	Set of	6	0.183333	142	120	1	1.04%	5

Panel LC3 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	9	289	120	1	1.91%	2
3	LC3 RECEPTACLE 1 ob	2	986	NM	Copper	1	Set of	6	1.5	109	120	1	2.03%	3
4	LC3 RECEPTACLE 1	3	720	NM	Copper	1	Set of	10	1.5	15	15	1	2.36%	4

Panel LC3 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.5	141	120	1	1.09%	2
3	LC3 PULL BOX 4	2	1,972	NM	Copper	1	Set of	6	6	84	120	1	1.46%	3
4	LC3 RECEPTACLE 2	3	1,258	NM	Copper	1	Set of	10	4.5	117	120	1	2.42%	4
5	LC3 RECEPTACLE 3	4	559	NM	Copper	1	Set of	10	3	26	120	1	2.56%	5
6	LC3 RECEPTACLE 4	5	498	NM	Copper	1	Set of	10	1.5	37	120	1	2.67%	6

Panel LC3 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 5	1	42,472	NM	Copper	1	Set of	4	9	304	120	1	1.32%	2
3	LC3 RECEPTACLE 5	2	1,458	NM	Copper	1	Set of	6	6	165	120	1	2.05%	3
4	LC3 RECEPTACLE 6	3	799	NM	Copper	1	Set of	10	4.5	28	120	1	2.28%	4
5	LC3 RECEPTACLE 7	4	671	NM	Copper	1	Set of	10	1.5	19	120	1	2.33%	5

X PANEL LC3 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

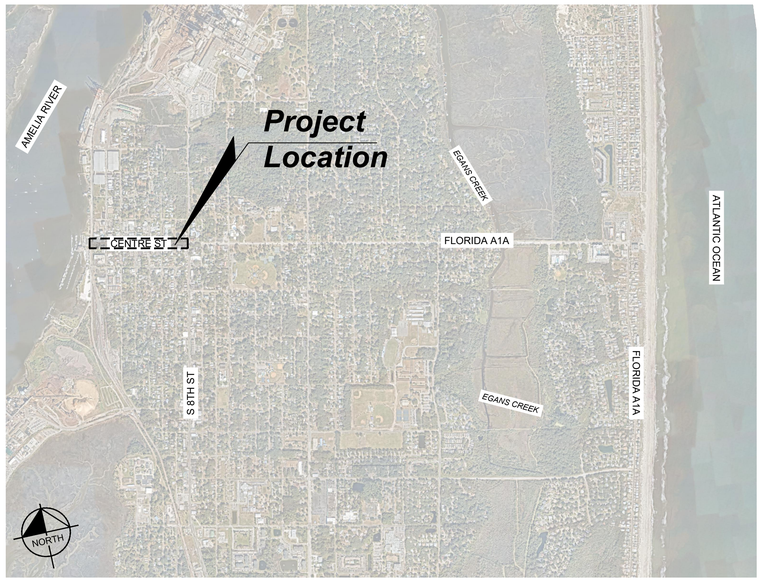
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.07 January 08, 2025 10:47:13am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

STREETSCAPE PLANS
HARDSCAPE, PLANTING, IRRIGATION
FOR
CITY OF FERNANDINA BEACH - FLORIDA
PHASE I - CENTRE STREET

JANUARY 8TH, 2025



VICINITY MAP
NOT TO SCALE

LANDSCAPE ARCHITECT:
MATTHEW A. JURNEY, PLA
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 420-4779

CIVIL ENGINEER:
BRIAN DEITSCH, PE.
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 828-3936

TOPOGRAPHIC SURVEYOR:
MICHAEL A. MANZIE, PLS.
117 SOUTH NINTH STREET
FERNANDINA BEACH, FLORIDA 32034
PHONE (904) 491-5700

ELECTRICAL ENGINEER:
PETER SYNTAX, PE
KIMLEY-HORN AND ASSOCIATES, INC.
1661 E CAMELBACK RD #400
PHEONIX, ARIZONA
PHONE: (602) 291-9521

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

COVER SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.00 January 08, 2025 10:23:39am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C0.00_COVER SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY INDEX TABLE	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY

BRIAN S. DEITSCH LICENSE No. 77073 STATE OF FLORIDA PROFESSIONAL ENGINEER

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
BRIAN S. DEITSCH No. 77073

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BRIAN S. DEITSCH, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

INDEX OF SHEETS	
Sheet Number	Sheet Title
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN

REGISTERED LANDSCAPE ARCHITECT MATTHEW A. JURNEY LA6666993 STATE OF FLORIDA

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
MATTHEW A. JURNEY, PLA No. LA6666993

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MATTHEW A. JURNEY, PLA ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 6110.11.010 F.A.C..

INDEX OF SHEETS	
Sheet Number	Sheet Title
C0.00	COVER SHEET
C0.01	SIGNATURE SHEET
C0.02	GENERAL NOTES
C0.03	STORM WATER POLLUTION PREVENTION DETAILS
C0.04	KEY MAP
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C2.50	TREE DISPOSITION NOTES AND DETAILS
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
H1.01	HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
H1.08	HARDSCAPE PLAN SCHEDULES
H1.50	HARDSCAPE DETAILS
H1.51	HARDSCAPE DETAILS
H1.52	HARDSCAPE DETAILS
H1.53	HARDSCAPE DETAILS
H1.54	HARDSCAPE DETAILS

L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L1.08	PLANTING SCHEDULE
L1.50	PLANTING NOTES
L1.51	PLANTING DETAILS
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN
L2.08	IRRIGATION SCHEDULES
L2.50	IRRIGATION NOTES
L2.51	IRRIGATION DETAILS
L2.52	IRRIGATION DETAILS

PETER M. SYNTAX LICENSE No. 74259 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/28/2025

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
PETER SYNTAX No. 74259

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PETER SYNTAX ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

LIGHTING PLANS	
Sheet Number	Sheet Title
E1.00	GENERAL NOTES
E1.01	LIGHTING PLAN
E1.02	LIGHTING PLAN
E1.03	LIGHTING PLAN
E1.04	LIGHTING PLAN
E1.05	LIGHTING PLAN
E1.06	LIGHTING PLAN
E1.07	LIGHTING PLAN
E2.01	LIGHTING PLAN
E2.02	LIGHTING PLAN
E2.03	LIGHTING PLAN
E2.04	LIGHTING PLAN
E2.05	LIGHTING PLAN
E2.06	LIGHTING PLAN
E2.07	LIGHTING PLAN
E2.08	LIGHTING PLAN
E2.09	LIGHTING PLAN
E2.10	LIGHTING PLAN
E2.11	LIGHTING PLAN
E2.12	LIGHTING PLAN
E3.01	LIGHTING DETAILS
E3.02	LIGHTING DETAILS
E3.03	LIGHTING PANEL SCHEDULES
E3.04	LIGHTING DETAILS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

SIGNATURE SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.01

Plotted By:Zlegmont Charles Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.01 January 08, 2025 11:26:51am K:\JAX_LALP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CADD\Plan Sheets\C0.01 SIGNATURE SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY

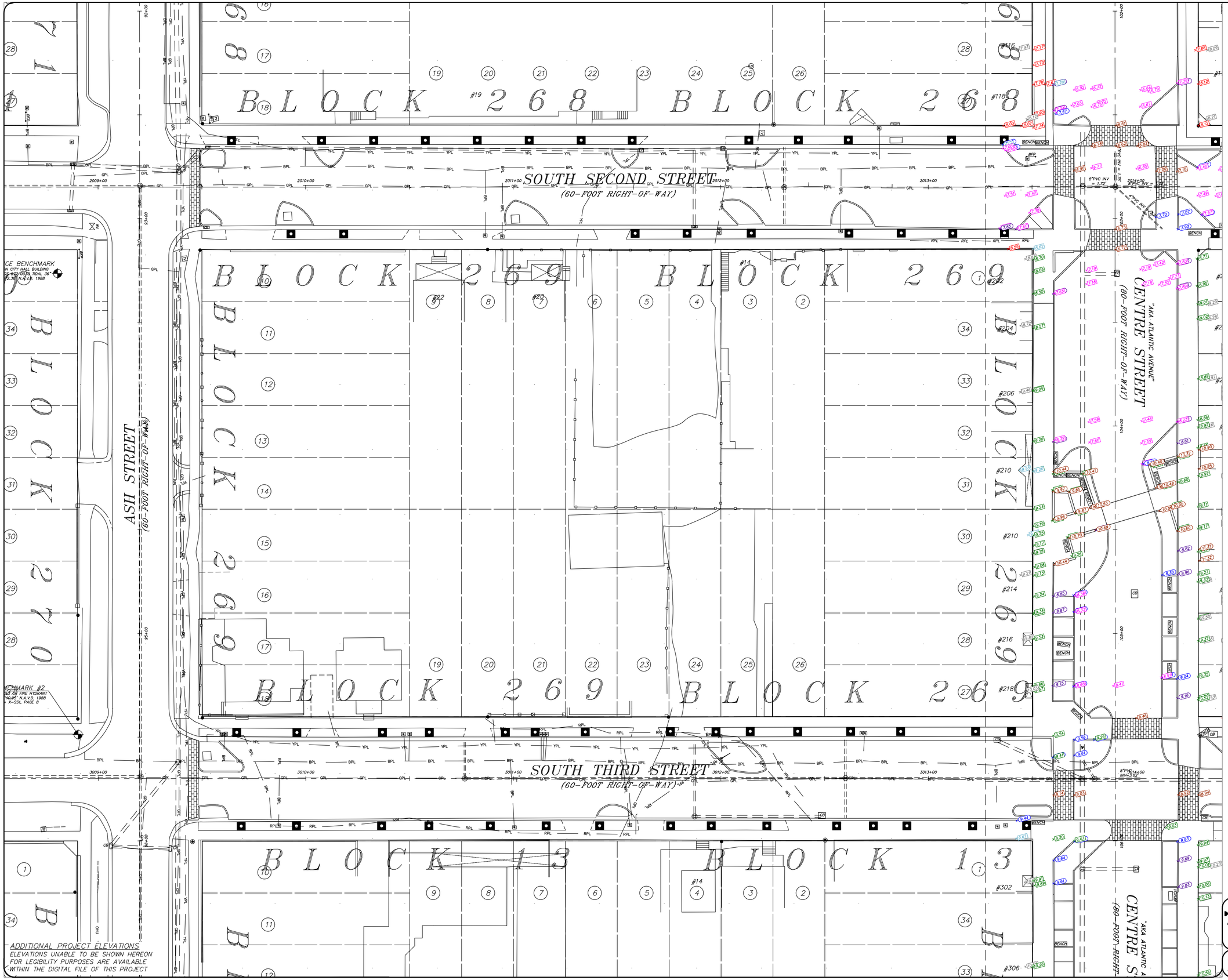
SHEET NUMBER: S0.02

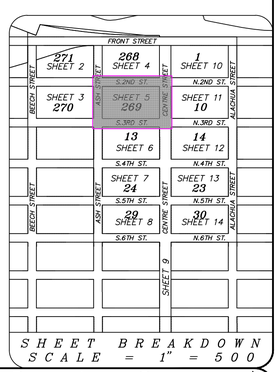
MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY

GRAPHIC SCALE
0 50 100 200 400
1 INCH = 100 FEET

ADDITIONAL ELEVATIONS – OCTOBER 2024

POINT	LAYER NAME	DESCRIPTION
14.22	POINTS–TOPO–OCT2024–ALCOVE ELEV	ELEVATION IN ALCOVE
9.53	POINTS–TOPO–OCT2024–BRICK STAMPED CONC ELEV	ELEVATION ON BRICK DESIGN STAMPED CONCRETE
15.74	POINTS–TOPO–OCT2024–PEBBLE WALK ELEV	ELEVATION ON PEBBLE–ROCK FLATWORK
12.31	POINTS–TOPO–OCT2024–ASPHALT ELEV	ELEVATION ON ASPHALT
11.67	POINTS–TOPO–OCT2024–BRICK ELEV	ELEVATION ON BRICK FLATWORK (NOT STAMPED CONCRETE)
17.59	POINTS–TOPO–OCT2024–HEX STAMPED CONC ELEV	ELEVATION ON HEX STAMPED CONCRETE FLATWORK
8.29	POINTS–TOPO–OCT2024–CONC ELEV	ELEVATION ON CONCRETE FLATWORK (NO STAMPING)
8.85	POINTS–TOPO–OCT2024–BRICK WALL ELEV (TOP)	ELEVATION ON BRICK WALL (TOP OF WALL)
20.57	POINTS–TOPO–OCT2024–ROUND COLUMN ELEV (TOP)	ELEVATION ON 12" ROUND COLUMN (TOP OF COLUMN)
15.37	POINTS–TOPO–OCT2024–COPING WALL ELEV (TOP)	ELEVATION ON COPING WALL (TOP OF WALL)
8.36	POINTS–TOPO–OCT2024–GRANITE CURB ELEV (TOP)	ELEVATION ON BACK OF GRANITE CURB (TOP OF CURB)
9.53	POINTS–TOPO–OCT2024–HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH–BACK CURB" (TOP OF CURB)





SHEET BREAKDOWN
SCALE = 1" = 500

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491–5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 5 OF 14

"OUR *SIGHTS* ARE ON THE FUTURE, SET YOUR *SITES* ON US."

SCALE: 1"=20' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD
F.B. NO: X–385 PAGE NO: 1–10 CREW: SS FILE NO: C–1272

ADDITIONAL PROJECT ELEVATIONS
ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITIES AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AND/OR CODES.

2. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE DESIGN PROFESSIONAL AT THE TIME OF THE TOPOGRAPHIC SURVEY. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR DESIGN PROFESSIONAL WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, LICENSES, AND BONDS AS REQUIRED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL OBTAIN COPIES OF AND FAMILIARIZE HIMSELF AND HIS SUBCONTRACTORS WITH THE PERMIT CONDITIONS OF ALL OWNER OBTAINED PERMITS FOR THE WORK.

5. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE DESIGN PROFESSIONAL.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER/DESIGN PROFESSIONAL PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER/DESIGN PROFESSIONAL OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

8. ACCESS TO BUSINESSES AND BUILDING ACCESS POINTS SHALL BE MAINTAINED TO THE GREATEST EXTENT PRACTICAL. WHEN ACCESS CANNOT BE MAINTAINED, THE TIME OF NON-ACCESS SHALL BE MINIMIZED AND CLOSELY COORDINATED WITH THE PROPERTY OWNER.

9. ANY DAMAGE TO PRIVATE PROPERTY MADE BY THE CONTRACTOR SHALL BE PROMPTLY REPAIRED TO AN EQUAL OR BETTER CONDITION AS IT WAS BEFORE COMMENCEMENT OF THE WORK.

10. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.

11. WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL HOLD AND PROTECT POLE DURING CONSTRUCTION AT THE CONTRACTORS EXPENSE.

DEMOLITION NOTES:

1. REFER TO THE EXISTING CONDITION SHEET FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, PIPES, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO REMAIN OR RELOCATED. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.

2. THE CONTRACTOR SHALL REFER TO THE PLANS FOR DEMOLITION/PRESERVATION OF EXISTING TREES AND LANDSCAPING. ALL TREES AND LANDSCAPING NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE/LANDSCAPING PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.

3. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS 30 DAYS IN ADVANCE TO RELOCATION LANDSCAPING IN CONFLICT WITH THE WORK. LANDSCAPE IN CONFLICT, LEFT IN PLACE, SHALL BE REMOVED AND REPLACED BY CONTRACTOR (IN RIGHT-OF-WAY ONLY) UNLESS OTHERWISE NOTED.

4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

5. ALL ELEVATION MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

6. CONTRACTOR SHALL EXERCISE CAUTION WHILE REMOVING AND/OR RELOCATING EXISTING SIGNS IN ORDER TO PREVENT ANY UNNECESSARY DAMAGE TO THE SIGNS. SIGNS WHICH ARE DAMAGED BEYOND USE AS DETERMINED BY THE ENGINEER SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

PAVING, GRADING, AND DRAINAGE NOTES:

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH STANDARDS APPLICABLE TO PUBLIC RIGHTS-OF-WAY STANDARDS AND EASEMENTS WITHIN THE CITY OF FERNANDINA BEACH OR FDOT SPECIFICATIONS AND STANDARDS (2017-18) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.

2. ALL ELEVATIONS SHOWN REFER TO NAVD 1988.

3. CONSTRUCT CURBING IN ACCORDANCE WITH PROJECT DETAILS AS APPLICABLE.

4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL.

10. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AND AS INDICATED ON THE DRAWINGS.

11. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH SPECIFICATIONS, THE LOCAL JURISDICTIONAL AGENCY, OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

16. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.

WATER AND SEWER UTILITY NOTES:

1. CONTRACTOR SHALL COORDINATE WITH CITY OF FERNANDINA BEACH UTILITY DEPARTMENT PRIOR TO CONSTRUCTION. IF THE UTILITY DEPARTMENT ELECTS TO REPLACE WATER/SEWER SERVICE LINES DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE STREETSCAPE IMPROVEMENTS WITH THE CITY'S UTILITY REPLACEMENTS.

2. WATER SERVICES AND SANITARY SERVICES SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION. THE FIRE MARSHALL MUST BE NOTIFIED IN ADVANCE OF ANY INTERRUPTION TO FIRE SERVICES.

3. WATER METERS FOUND TO BE IN CONFLICT WITH THE PROPOSED CURBING SHALL BE RELOCATED. ALL WATER METER RELOCATIONS SHALL BE APPROVED BY THE CITY OF FERNANDINA BEACH PRIOR TO THE CONTRACTOR PROCEEDING WITH THE RELOCATION.

4. ALL WATER METER COVERS ON PROJECT TO BE REPLACED. WATER METER BOX COVERS FOR THIS PROJECT SHALL BE AS FOLLOWS:
   1. CDR 15" X 17" TIER 8 BY HUBBELL OR APPROVED EQUAL (DUAL METERS)
   2. QUAZITE 11" X 18" TIER 8 BY HUBBELL OR APPROVED EQUAL (1" METER)

5. WATER METER COVERS SHALL BE SKID RESISTANT AND BE STAINED TO MATCH PROPOSED PAVERS AND/OR CONCRETE

SIGNING AND MARKING NOTES:

1. CONTRACTOR TO STORE AND PROTECT ANY EXISTING PLACARDS AND REUSE WHEREVER POSSIBLE ON NEW SIGN POSTS. ALL NEW SIGNS FURNISHED FOR THIS PROJECT TO BE DIAMOND GRADE. NEW SIGN POSTS FOUNDATIONS AND BREAKAWAY SLIP BASE SHALL CONFORM TO FDOT STANDARD INDEX 11860. SIGN POST MATERIAL AND COLOR TO BE COORDINATED WITH THE CITY OF FERNANDINA BEACH.

2. SIGNAGE ON PRIVATE PROPERTY IS TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED.

3. SIGN PLACEMENT FOR STOP SIGN SHOULD BE IN ACCORDANCE WITH FIGURE 2A-1. OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). HEIGHTS AND LATERAL LOCATION OF STOP SIGNS REFER TO SECTION 2A.16 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

4. SIGN PLACEMENT SHALL CONFORM TO FDOT STANDARD INDEX 17302.

5. PARKING SIGNS WITH DIRECTION ARROWS SHALL BE INSTALLED AT AN ANGLE OF NOT LESS THAN 30° BUT NOT MORE THAN 45° WITH THE LINE OF TRAFFIC FLOW.

EROSION CONTROL NOTES:

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THESE EROSION CONTROL NOTES, THE STANDARD DETAILS, ATTACHMENTS INCLUDED IN SPECIFICATIONS, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

2. CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF INTENT TO USE THE CITY'S NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AS REQUIRED PRIOR TO THE START OF WORK.

3. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

4. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

5. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.

6. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.

7. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

8. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO WATERS OF THE STATE.

11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.

12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.

13. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

14. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE AND AT THE CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE PROJECT.

16. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

17. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

18. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.

19. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

EROSION CONTROL MAINTENANCE:

ALL MEASURES STATED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

3. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

4. TEMPORARY PARKING AND STORAGE AREAS SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

5. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

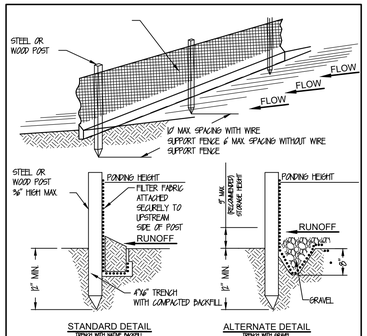
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

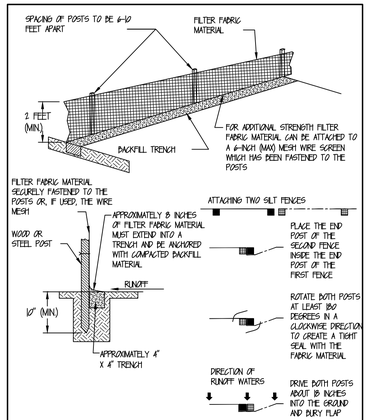
SHEET NUMBER
C0.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.02 January 08, 2025 10:26:18am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

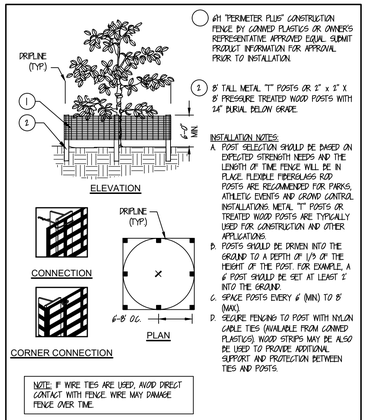


NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
1. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED
2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL



SILT FENCE INSTALLATION DETAIL

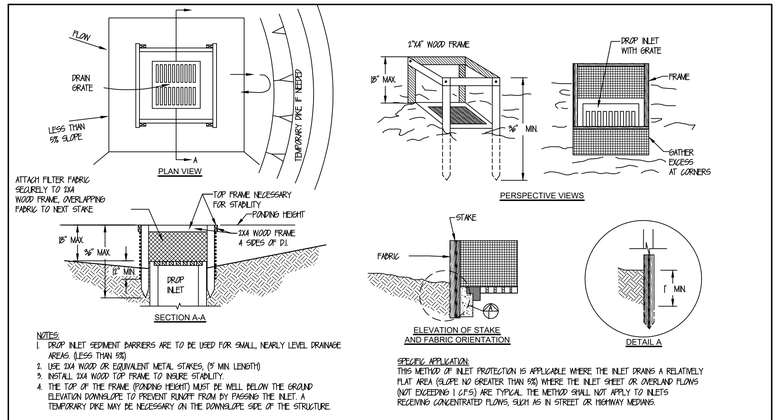


1. #11 "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:
A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
C. SPACE POSTS EVERY 6' (MIN) TO 8' (MAX).
D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

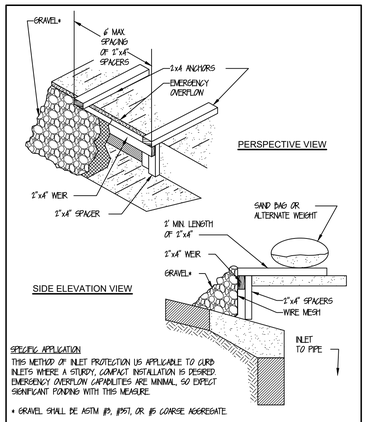
TREE BARRICADE



NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%)
2. USE 2X4 WOOD OR EQUIVALENT METAL STAKES, (3' MIN LENGTH)
3. INSTALL 2X4 WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

SPECIFIC APPLICATION:
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

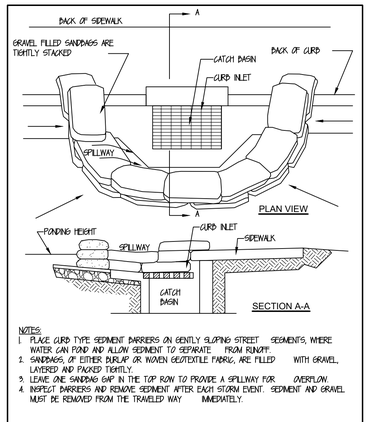
FILTER FABRIC DROP INLET SEDIMENT BARRIER



SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE TO CURB INLETS WHERE A STURDY, COMPACT INSTALLATION IS DESIRED. EMERGENCY OVERFLOW CAPABILITIES ARE MINIMAL, SO EXPECT SIGNIFICANT PONDING WITH THIS MEASURE.

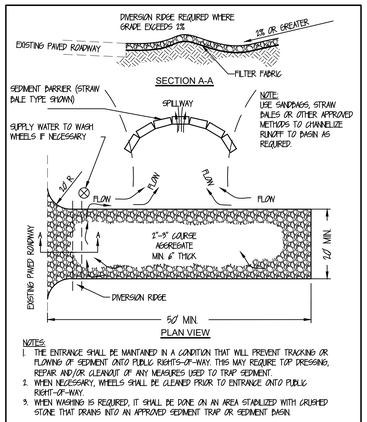
* GRAVEL SHALL BE ASTM #3, #357, OR #5 COARSE AGGREGATE.

GRAVEL CURB INLET SEDIMENT FILTER WITH OVERFLOW WEIR



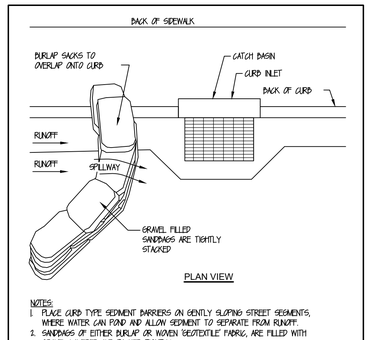
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB INLET SEDIMENT BARRIER



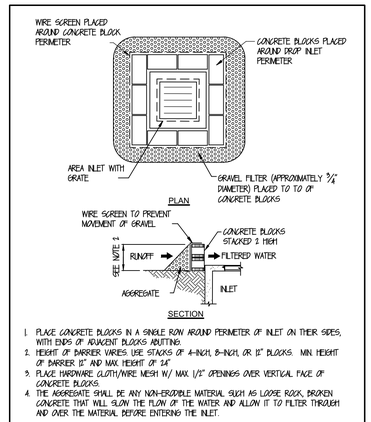
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



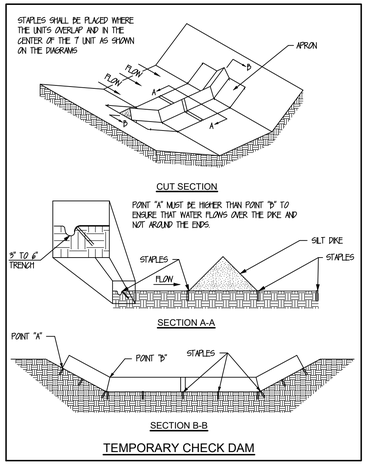
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB AND GUTTER SEDIMENT BARRIER

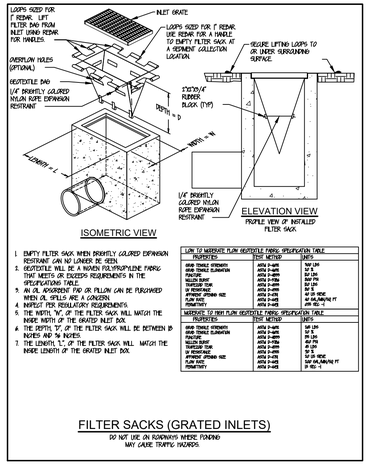


1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN HEIGHT OF BARRIER 12" AND MAX HEIGHT OF 24"
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE AGGREGATE SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

BLOCK AND AGGREGATE INLET SEDIMENT DEVISE



TEMPORARY CHECK DAM



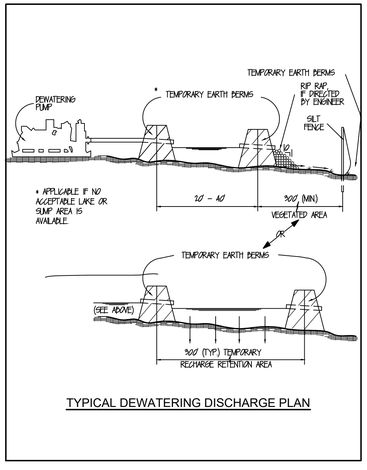
1. EMPTY FILTER SACK WHEN BRIGHTLY COLORED EMBARGO RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. AN OIL ABSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK WILL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH "D", OF THE FILTER SACK WILL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK WILL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	160 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	15 %
MULLEN BURST	ASTM D-3786	300 LBS
TRAPEZOID TEAR	ASTM D-4533	60 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	150 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.0 SEC-1

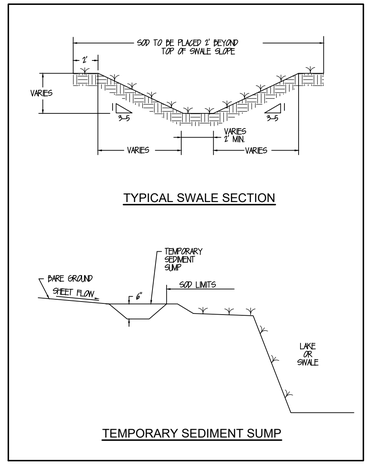
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	249 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	50 %
MULLEN BURST	ASTM D-3786	390 PSI
TRAPEZOID TEAR	ASTM D-4533	90 LBS
UV RESISTANCE	ASTM D-4355	70 %
APPARENT OPENING SIZE	ASTM D-4751	30 US SIEVE
FLOW RATE	ASTM D-4491	224 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.8 SEC-1

FILTER SACKS (GRATED INLETS)

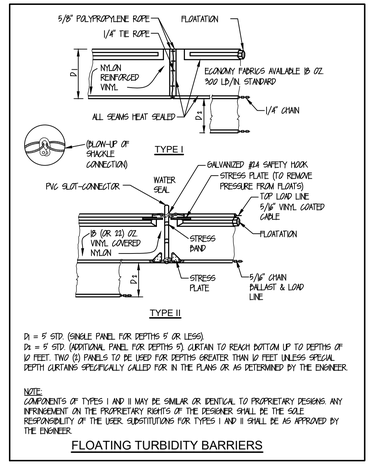
DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.



TYPICAL DEWATERING DISCHARGE PLAN



TEMPORARY SEDIMENT SUMP



D1 = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D2 = 9' STD. (ADDITIONAL PANEL FOR DEPTHS 5'). CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTE:
COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DESIGNED BY:	CHECKED BY:
142806005	KHA	MAJ
DATE: 01/08/2025	DRAWN BY: NL	
SCALE: AS SHOWN		

STORM WATER POLLUTION PREVENTION DETAILS

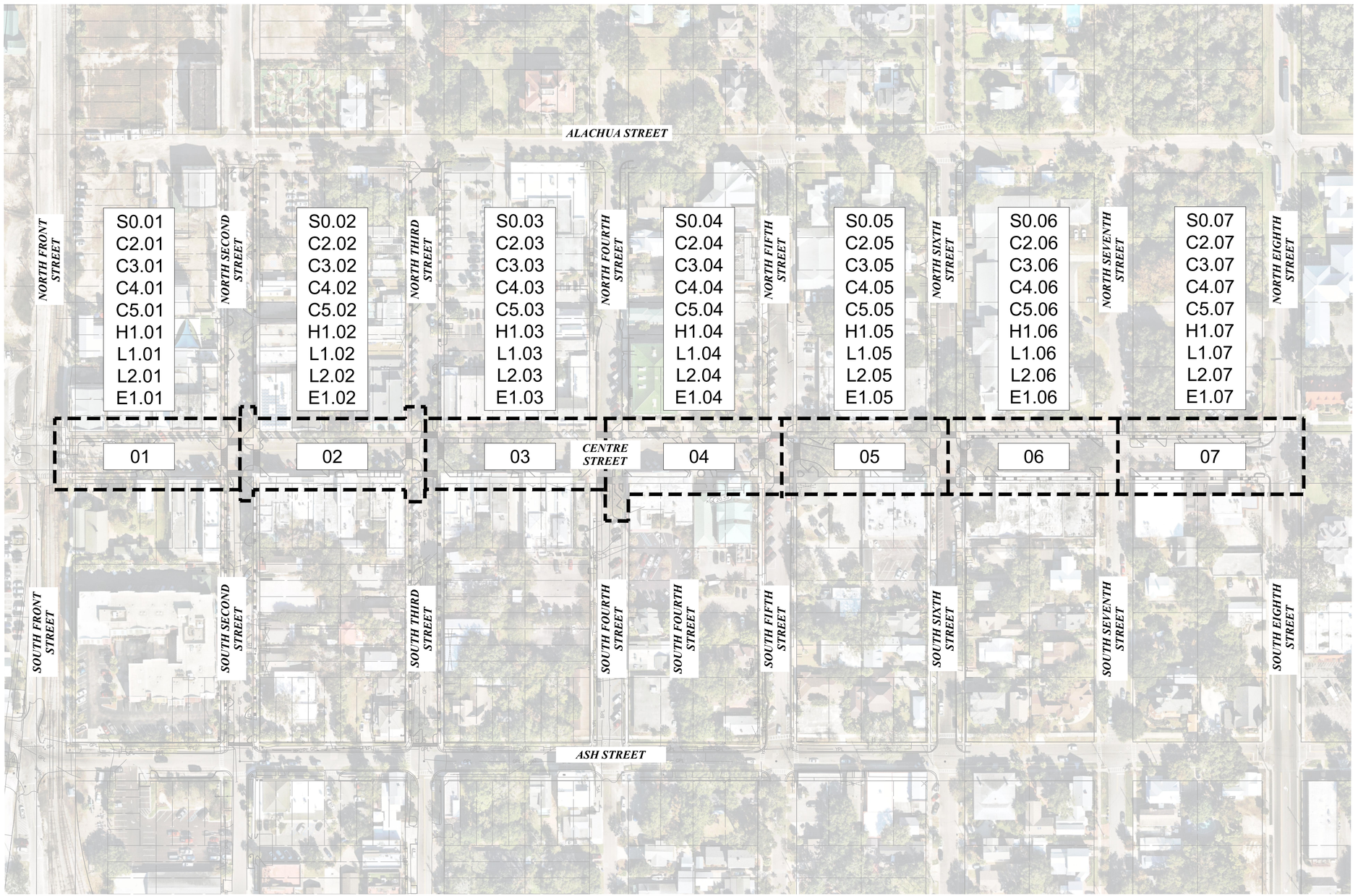
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER C0.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.03 January 08, 2025 10:26:20am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

INDEX OF SHEETS	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN
H1.01	OVERALL HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	
DRAWN BY: NL	
CHECKED BY: MAJ	

KEY MAP

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.04

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.04 January 08, 2025 11:19:59am K:\JAX_LAP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\C0.04 KEY MAP.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet: Sat-FERNANDINA BEACH STREETSCAPE Layout: C1.02 January 08, 2025 10:54:02am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE: SEE SHEET L1.01

NORTH SECOND STREET

NORTH THIRD STREET

B L O C K 1 0

#207 #215 #217

EROSION CONTROL BARRIER AT ALL INLETS (TYP).

ALL ENTRANCE ALCOVES ARE TO BE PROTECTED AND REMAIN IN PLACE. ANY DAMAGE TO THESE ALCOVES ARE TO BE REPLACED AT THE CONTRACTORS EXPENSE SAW CUT AT LIMITS OF WORK AND ALL ENTRANCE ALCOVES. (TYP).

EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR REUSE BETWEEN STATION 103+0.85–103+0.98

EXISTING PLANTER TO BE REMOVED AND RELOCATED AS PER HARDSCAPE PLANS. (TYP).

EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR REUSE BETWEEN STATION 103+0.15–103+0.35

ALL AREA WITHIN LIMITS OF TREE PROTECTION AREA SHALL BE HANDWORK ONLY (TYP).

REFER TO IRRIGATION DEMOLITION PLANS FOR IRRIGATION EQUIPMENT REMOVAL.

REFER TO TREE DISPOSITION PLAN FOR LANDSCAPE REMOVAL (TYP).

EXISTING BRICK CROSSWALK TO BE REMOVED AND SALVAGED FOR RE–USE (TYP).

103+00 104+00 105+00 301+00

MATCHLINE: SEE SHEET L1.03

CENTRE STREET

EXISTING SIGNAGE TO BE REMOVED AND REINSTALLED IN SAME LOCATION AFTER CONSTRUCTION (TYP).

EXISTING TRASH RECEPTACLES TO BE REMOVED AND RELOCATED AS PER HARDSCAPE PLANS. (TYP).

EXISTING SIGNAGE TO BE REMOVED AND REINSTALLED IN SAME LOCATION AFTER CONSTRUCTION (TYP).

EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR REUSE BETWEEN STATION 103+0.97–104+0.21

EXISTING SEAT WALLS TO BE REMOVED AND SALVAGED FOR RE–USE (TYP).

EXISTING BIKE RACKS TO BE REMOVED AND RELOCATED AS PER HARDSCAPE PLANS (TYP).

EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR REUSE BETWEEN STATION 104+0.66–105+0.33

EXISTING BIKE RACKS TO BE REMOVED AND RELOCATED AS PER HARDSCAPE PLANS (TYP).

B L O C K

SOUTH SECOND STREET

SOUTH THIRD STREET

LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM COM COM	PROPOSED ELECTRIC

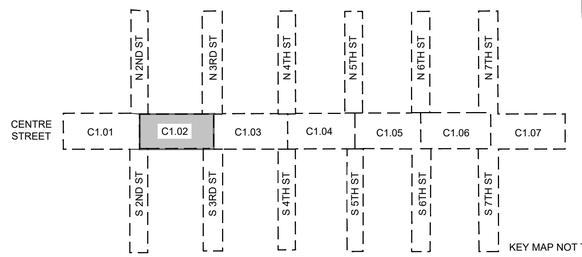
DEMOLITION LEGEND

- EXISTING ELECTRICAL OUTLET
- EXISTING TREE GRATE TO BE REMOVED
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
- EXISTING PLANTER TO BE REMOVED AND RELOCATED
- EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING SEAT WALL TO BE REMOVED
- EXISTING BENCH TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- TREE PROTECTION AREA (HANDWORK ONLY)
- EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE–USE
- EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
- EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE–USE
- EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
- EROSION CONTROL BARRIER
- EXISTING TREE
- EXISTING OFF–SITE TREE
- EXISTING PALM TREE
- EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO CD.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	
		DESIGNED BY: KHA	
		DRAWN BY: RD	CHECKED BY: MAJ

DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER C1.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.02 January 08, 2025 10:29:35am K:\JAX_LAD\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\C2.01 TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE: SEE SHEET C2.01

MATCHLINE: SEE SHEET C2.03

NORTH SECOND STREET

SOUTH SECOND STREET

NORTH THIRD STREET

SOUTH THIRD STREET

CENTRE STREET

BLOCK 10

BLOCK 269

103+00 104+00 105+00 309+00

12"PALM

15"PALM

20" CRAPE MYRTLE

ALL EXISTING LANDSCAPE BEDS TO BE REMOVED (TYP).

REFER TO IRRIGATION DEMOLITION PLANS FOR IRRIGATION EQUIPMENT TO BE REMOVED (TYP).

25"OAK

24"PEAR

11"PALM

10"PALM

11"PALM

15"PM

5" CRAPE MYRTLE

ALL AREA WITHIN LIMITS OF TREE PROTECTION AREA SHALL BE HANDWORK ONLY (TYP).

36"OAK

9"PALM

10"PALM

10"PALM

19"CRAPE MYRTLE

10"PALM

9"HOLLY

4"CITRUS

2"HOLLY

2"HOLLY

15"PALM

17"PALM

13"PALM

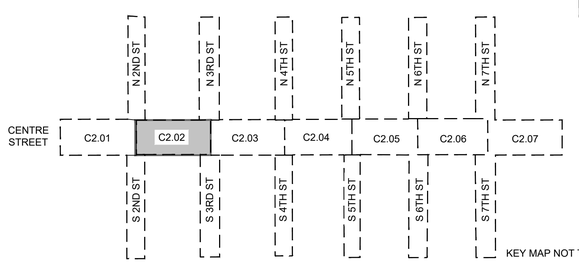
12"PALM

LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

TREE LEGEND

	EXISTING TREE TO REMAIN
	EXISTING PALM TO REMAIN
	OFF-SITE TREE TO REMAIN
	TREE TO BE REMOVED



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.50 January 08, 2025 10:30:00am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TREE MITIGATION SPECIFICATIONS

A. GENERAL

1. CONTRACTOR SHALL ADHEAR TO ALL TREE PROTECTION REQUIREMENTS LISTED IN THESE SPECIFICATIONS AND/OR THOSE LISTED IN THE CITY OR COUNTY ZONING CODE, TREE PROTECTION (LATEST EDITION), WHICHEVER IS MORE STRINGENT SHALL APPLY.
2. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PROCEDURES WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
3. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATION MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE.
4. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED FROM THIS PROHIBITION.
5. EXISTING TREE LOCATIONS AND SIZES ARE ESTIMATES AND ARE BASED ON A SURVEY PROVIDED BY THE OWNER SELECTED SURVEYOR.
6. CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH PERMITTING AGENCY AND PROJECT ARBORIST PRIOR TO CONSTRUCTION. NO PERSON MAY REMOVE OR CAUSE TO BE REMOVED ANY PROTECTED TREE OR PALM WITHOUT FIRST HAVING PROCURED A PERMIT AS PROVIDED BY THE APPROPRIATE PERMITTING AGENCY.
7. FOR PROTECTED TREES OR PALMS BEING REMOVED, THE CONTRACTOR MUST GIVE THE PERMITTING AGENCY REASONABLE OPPORTUNITY TO RELOCATE TREES DESIGNATED FOR REMOVAL TO ANOTHER SITE AT THE PERMITTING AGENCY'S EXPENSE.
8. CONTRACTOR IS RESPONSIBLE FOR POSSESSING ALL REQUIRED APPLICATOR LICENSES, BUSINESS REGISTRATIONS AND INSURANCE, PESTICIDE LABELS, AND MATERIAL DATA SAFETY SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING ALL SPILL CONTAINMENT MATERIALS AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR PESTICIDE APPLICATIONS AND ACCIDENTAL SPILLS ON SITE AT ALL TIMES. THE OWNER RESERVES THE RIGHT TO INSPECT EACH APPLICATOR AND HAVE THESE MATERIALS PRESENTED BEFORE AND DURING ANY PESTICIDE TREATMENT.
9. WHERE TRAFFIC AREAS ARE PROPOSED WITHIN THE DRIP LINE OF PROTECTED TREES AND LESS THAN FOUR (4) INCHES OF GRADE CHANGE ARE PROPOSED, PERMEABLE SURFACES THAT ALLOW AIR AND WATER INTO THE SOIL SHOULD BE USED IN LIEU OF ASPHALT OR OTHER SUCH IMPERVIOUS SURFACES.
10. TREE WELLS OF AN APPROVED DESIGN SHALL BE CONSTRUCTED AROUND ALL TREES TO BE PRESERVED WHEN MORE THAN FOUR INCHES OF FILL IS TO BE DEPOSITED WITHIN THE DRIP LINE AREA OF THOSE TREES. COORDINATE WITH PROJECT ARBORIST.
11. THE SEQUENCE OF TREE MITIGATION AND PRESERVATION MEASURES IS IMPERATIVE TO THE HEALTH AND SURVIVABILITY OF THE SUBJECT TREES AND SHALL BE COORDINATED WITH THE OWNER SELECTED PROJECT ARBORIST. THE DESIRED SEQUENCE IS OUTLINED BELOW:
    a. TREE PROTECTION FENCING.
    b. ROOT PRUNING AND ROOT BARRIERS.
    c. CLEARING.
    d. TREE CANOPY PRUNING.
    e. FERTILIZATION.
    f. INSECTICIDE.
    g. IRRIGATION.

B. TREE PROTECTION FENCING

1. PRIOR TO THE ERECTION OF ANY TREE PROTECTION FENCING, ALL FOREIGN SURFACE MATERIAL, TRASH OR DEBRIS SHALL BE REMOVED FROM THE AREA TO BE ENCLOSED BY THE FENCING. AFTER ERECTION OF THE FENCING NO SUCH MATERIAL OR LITTER SHALL BE PERMITTED TO REMAIN WITHIN THE PROTECTED AREA.
2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL PROTECTED TREES TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING, LAND ALTERATION, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
3. NATIVE GROUND COVER AND UNDERSTORY VEGETATION EXISTING WITHIN THE PROTECTED AREA SHALL REMAIN THROUGHOUT CONSTRUCTION. OTHER DESIGNATED VEGETATION AND INVASIVE PLANT SPECIES SHALL BE REMOVED ONLY BY MANUAL LABOR UTILIZING HAND TOOLS, OR BY OTHER METHODS APPROVED BY THE PROJECT ARBORIST.
4. TREE PROTECTION FENCING TYPES AND LOCATIONS SHALL BE ERECTED AS SHOWN ON THE TREE MITIGATION PLANS AND DETAILS, OR AS REQUESTED BY LOCAL AGENCY.
5. FINAL LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ARBORIST.
6. NO MATERIALS, EQUIPMENT, SPOIL, WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED, OR PARKED WITHIN 20 FEET OF THE TREE PROTECTION ZONE.
7. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE.
8. CONSTRUCTION ACTIVITY SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
9. DO NOT INSTALL CONDUIT, DRAIN OR IRRIGATION LINES, OR ANY UTILITY LINE WITHIN THE TREE PROTECTION ZONE WITHOUT THE APPROVAL OF THE PROJECT ARBORIST. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
10. CONTRACTOR'S ACCESS TO FENCED TREE PROTECTION AREAS WILL BE PERMITTED ONLY WITH APPROVAL OF THE PROJECT ARBORIST.
11. EXCAVATION OR GRADING REQUIRED WITHIN THE PROTECTED AREA SHALL BE LIMITED TO THREE (3) INCHES OF CUT OR FILL. COORDINATE WITH PROJECT ARBORIST.
12. STRUCTURES AND UNDERGROUND FEATURES TO BE REMOVED WITHIN THE TREE PROTECTION ZONE SHALL BE COORDINATED WITH THE PROJECT ARBORIST.
13. TREE PROTECTION FENCING AROUND TREES TO BE RELOCATED SHALL BE ERECTED UNTIL THE TREE IS READY TO BE RELOCATED AND NEW FENCING SHALL BE ERECTED AT THE TREES NEW LOCATION AND WILL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE.
14. IF ANY DAMAGE TO TREE PROTECTION FENCING SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIRS.
15. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE PROTECTED AREA OF TREES TO BE PRESERVED, A ROAD BED OF SIX (6) INCHES OF MULCH OR GRAVEL SHALL BE CREATED TO PROTECT THE SOIL. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A SIX (6) INCH ROAD BED AT ALL TIMES. CONTRACTOR SHALL REMOVE ALL SUCH MATERIALS FROM THE SITE AS SOON AS TEMPORARY ACCESS IS NO LONGER NECESSARY.
16. CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST PRIOR TO THE REMOVAL OF ALL TREE PROTECTION FENCING.

C. ROOT PRUNING/TRENCHING

1. TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE PROJECT ARBORIST.
2. TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE PROJECT ARBORIST. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
5. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

D. CLEARING

1. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH HAND-OPERATED EQUIPMENT.
2. CONTRACTOR SHALL CLEAR ALL TREE PROTECTION AREAS OF VINES, SHRUBS, GROUND COVERS, WEEDS, SAPLINGS, AND INVASIVES LISTED ON THE LATEST EDITION OF THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE SPECIES.
3. PROJECT ARBORIST MUST APPROVE METHODS OTHER THAN HAND CLEARING.
4. A TWO (2) INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES DURING THE SITE CLEARING PHASE.

E. TREE CANOPY PRUNING

TREE PRUNING SPECIFICATIONS SHALL BE DEFINED BASED ON SPECIFIC RECOMMENDATIONS OF THE PROJECT ARBORIST. INFORMATION PRESENTED BELOW SHOULD BE USED AS A GUIDELINE.

1. CONTRACTOR SHALL VISIT THE SITE WITH THE PROJECT ARBORIST TO VERIFY THE EXTENT OF REQUIRED PRUNING.
2. ALL PRUNING SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST OR AN AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA) REGISTERED CONSULTING ARBORIST (RCA).
3. AT LEAST ONE MEMBER OF THE PRUNING CREW SHALL BE AN ISA CERTIFIED ARBORIST.
4. WHILE IN THE TREE, THE ARBORIST SHALL PERFORM AN AERIAL INSPECTION TO IDENTIFY DEFECTS THAT REQUIRE TREATMENT. ANY ADDITIONAL WORK NEEDED SHALL BE REPORTED TO THE OWNER.
5. PRUNING CUTS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI A300 PRUNING STANDARD (AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS) AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI Z133.1 SAFETY STANDARD. PRUNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ISA'S "BEST MANAGEMENT PRACTICES: TREE PRUNING".
6. WHERE TEMPORARY CLEARANCE IS NEEDED FOR ACCESS, BRANCHES SHALL BE TIED BACK TO HOLD THEM OUT OF THE CLEARANCE ZONE.
7. NO MORE THAN 20 PERCENT OF LIVE FOLIAGE SHALL BE REMOVED WITHIN ANY TREE.
8. ALL TREES WITHIN THE PROJECT AREA SHALL BE PRUNED AS FOLLOWS:
    a. LIVE BRANCH PRUNING SHOULD BE PERFORMED ONLY WHEN THE DANGER OF INSECT OR DISEASE INFESTATION IS NOT PRESENT.
    b. REMOVE STUBS, CUTTING OUTSIDE THE WOUND WOOD TISSUE THAT HAS FORMED AROUND THE BRANCH.
    c. CLEANING, FOR THE SELECTIVE REMOVAL OF DEAD, DISEASED, BROKEN, OR CROSSING BRANCHES DOWN TO ONE INCH IN DIAMETER OR AS DIRECTED BY THE PROJECT ARBORIST.
    d. PRUNING CUTS LARGER THAN 4 INCHES IN DIAMETER, EXCEPT FOR DEAD WOOD, SHALL BE AVOIDED.
    e. PRUNING CUTS THAT EXPOSE HEARTWOOD SHALL BE AVOIDED WHENEVER POSSIBLE.
    f. ALL TREES WITH CROWNS THAT PROJECT INTO PARKING LOT/ROADWAY AREAS SHALL BE RAISED TO 14 FEET ABOVE FINISHED GRADE.
    g. ALL TREES WITH CROWNS THAT PROJECT INTO SIDEWALK AREAS SHALL BE RAISED TO A HEIGHT OF 8 FEET ABOVE FINISHED GRADE.
9. TREES, WHO'S ROOT SYSTEMS WILL BE IMPACTED SHALL RECEIVE THE FOLLOWING PRUNING TO COMPENSATE FOR ROOT LOSS:
    a. THE LOCATION AND SIZE OF BRANCHES FOR REDUCTION SHALL BE DEFINED BY THE PROJECT ARBORIST.
    b. REDUCTION, OR THE SELECTIVE PRUNING TO REDUCE TREE HEIGHT OR SPREAD.
    c. REDUCE END WEIGHT ON HEAVY, HORIZONTAL BRANCHES BY SELECTIVELY REMOVING SMALL DIAMETER BRANCHES, NO GREATER THAN 2 TO 3 INCHES, NEAR THE ENDS OF SCAFFOLD BRANCHES.
    d. RAISING SHALL CONSIST OF SELECTIVE PRUNING TO PROVIDE VERTICAL CLEARANCE.
10. PROPOSED/REPLACEMENT TREES
    a. PRUNING SHALL BE LIMITED TO CLEANING.
11. BRUSH SHALL BE CHIPPED AND SPREAD (ONLY WHEN DISEASE OR INSECT INFESTATION IS NOT PRESENT) UNDERNEATH TREES WITHIN THE TREE PROTECTION ZONE TO A MAXIMUM DEPTH OF THREE (3) INCHES, LEAVING THE TRUNK CLEAR OF MULCH.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS DEBRIS ON A DAILY BASIS.

F. FERTILIZATION

1. CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
2. EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
3. ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
4. TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
    a. MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
    b. MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER. AGITATE MIX.
    c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
    d. THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
    e. FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
    f. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.

G. INSECTICIDE

7. NOTIFY PROJECT ARBORIST IF ANY INFESTATION IS NOTICED.
8. FOLLOW PROJECT ARBORIST'S RECOMMENDED PROCEDURES.
9. FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS CONCERNING APPLICATION. READ ALL WARNING LABELS.
10. ANY PETS, AS WELL AS, THE PETS FOOD AND WATER BOWLS SHOULD BE REMOVED FROM THE AREA AND ANY SWIMMING POOLS SHOULD BE COVERED. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
11. ENSURE COMPLETE COVERAGE AND REAPPLY 2-3 MONTHS AFTER INITIAL APPLICATION UTILIZING SAME PROCEDURE.

H. IRRIGATION

1. EVERY EFFORT SHALL BE MADE TO WATER THE PRESERVED TREES AND TRANSPLANTS. CONTRACTOR SHALL IRRIGATE BY HAND OR BY TEMPORARY IRRIGATION.
2. IRRIGATE AS REQUIRED BY PROJECT ARBORIST UNTIL PERMANENT IRRIGATION IS INSTALLED AND OPERATING.
3. UNDERGROUND IRRIGATION SHALL NOT BE INSTALLED WITHIN THE DRIP LINES OF EXISTING TREES UNLESS ROOT PROTECTION MEASURES ARE PROVIDED AND APPROVED BY PROJECT ARBORIST.

I. TREE REMOVALS

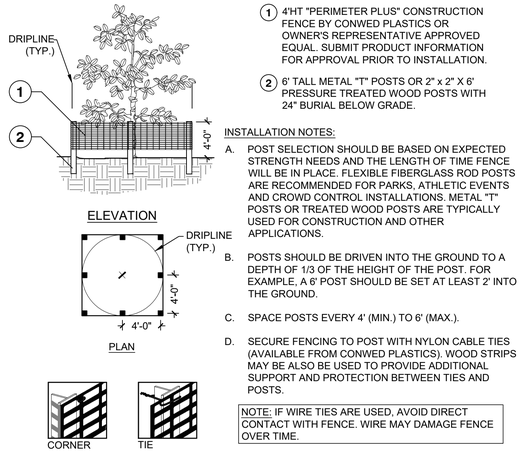
1. PRIOR TO AND DURING LAND CLEARING, INCLUDING GRUBBING, ALL TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY PROJECT ARBORIST WITH RED SURVEY RIBBONS AT 36 INCHES MINIMUM ABOVE GRADE.
2. CONTRACTOR SHALL REMOVE ALL TREES AS SHOWN ON THE TREE MITIGATION PLANS AFTER THE TREE PROTECTION FENCING IS INSTALLED.
3. ALL TREES SHOWN TO BE REMOVED SHALL BE FELLED WITH A CHAIN SAW AND STUMP GROUND 6" BELOW SURFACE. ANY TREE SHOWN TO BE REMOVED THAT IS IN AN AREA WHERE COMPACTION IS CRITICAL SHALL BE FELLED WITH A CHAIN SAW AND STUMP REMOVED BY CONTRACTOR.
4. ALL WOOD AND STUMPS FROM REMOVALS SHALL BE HAULED FROM THE SITE THE SAME DAY, EXCEPT FOR TOPS. ALL TOPS ARE TO BE MULCHED AND STOCKPILED OR HAULED DIRECTLY TO MULCHED AREAS FOR RELOCATED TREES IF SCHEDULING PERMITS. TOPS SHALL BE CHIPPED AND PLACED IN THE TREE PROTECTION ZONE TO A DEPTH OF THREE (3) INCHES. ALL EXCESS WOOD CHIPS SHOULD BE HAULED OFF SITE AFTER TRANSPLANTING IS COMPLETE.
5. ALL BURN PITS IF APPLICABLE MUST BE APPROVED BY THE PROJECT ARBORIST AND OWNER.
6. TREES TO BE REMOVED THAT HAVE BRANCHES EXTENDING INTO THE CANOPY OF TREES TO REMAIN MUST BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST AND NOT BY DEMOLITION OR CONSTRUCTION CONTRACTORS. THE QUALIFIED ARBORIST SHALL REMOVE THE TREE IN A MANNER THAT CAUSES NO DAMAGE TO THE TREES AND UNDERSTORY VEGETATION TO REMAIN.
7. TREES TO BE REMOVED LOCATED WITHIN THE TREE PROTECTION ZONE SHALL BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST. THE TREES SHALL BE CUT NEAR GROUND LEVEL AND THE STUMP GROUND OUT.

J. TOPSOIL

8. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
9. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.
10. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE (1) INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.
11. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR (4) INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.
12. PROJECT ARBORIST SHALL APPROVE ALL TOPSOIL PRIOR TO PLACEMENT.

K. REPAIR OF DAMAGED TREES

1. IF DAMAGE TO ANY TREE SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE DURING THE CONSTRUCTION PERIOD, THE PROJECT ARBORIST SHALL APPRAISE THE DAMAGE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPAIR BY THE CONTRACTOR.
2. IF ANY TREE DESIGNATED TO BE SAVED IS REMOVED FROM THE SITE WITHOUT PERMISSION OF THE OWNER'S REPRESENTATIVE, THE PROJECT ARBORIST SHALL APPRAISE THE TREE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE TREE AND ANY FEES THAT MAY BE ASSESSED TO THE OWNER BY THE GOVERNING AGENCY.



1. 4'HT "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 6' TALL METAL "T" POSTS OR 2" x 2" X 6' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 4' (MIN.) TO 6' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

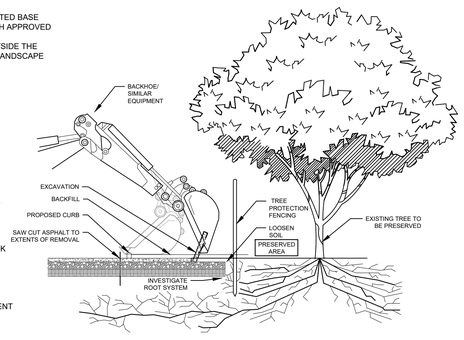
NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

1 TREE PROTECTION FENCING

NTS JAX-FG-12

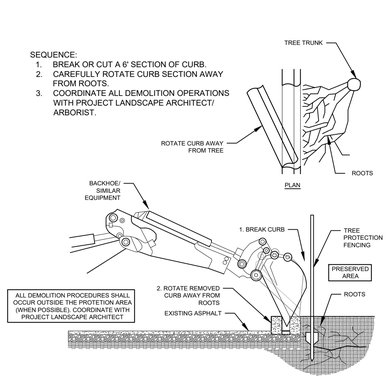
NOTES:
CONTRACTOR TO REMOVE ASPHALT AND ASSOCIATED BASE MATERIAL TO EXISTING SOIL DEPTH. BACKFILL WITH APPROVED SOIL MIXTURE.
ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST PRIOR TO DEMOLITION.

SEQUENCE:
1. INSTALL PROTECTION FENCE.
2. SAW-CUT A LINEAR SECTION OF ASPHALT.
3. CAREFULLY EXCAVATE PAVING TO SUB-GRADE BY PEELING BACK ASPHALT.
4. INVESTIGATE TO DETERMINE EXTENT OF ROOT SYSTEM.
a. NO ROOT GROWTH- EXCAVATE FROM BACK OF CURB TO EXTENT OF PROPERTY IMPROVEMENTS.
b. ROOT GROWTH- ROOT PRUNE PER PLAN.
c. INSTALL A 20 MIL ROOT BARRIER AT ROOT PRUNE LINE. LOOSEN SOIL WITH HAND TOOLS OR AIR-SPADE THROUGHOUT EXTENT OF EXPANDED PLANTING AREA.



PAVEMENT DEMOLITION PROCEDURE

SEQUENCE:
1. BREAK OR CUT A 6' SECTION OF CURB.
2. CAREFULLY ROTATE CURB SECTION AWAY FROM ROOTS.
3. COORDINATE ALL DEMOLITION OPERATIONS WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST.



CURB DEMOLITION PROCEDURE

2 / C3.50 PAVEMENT DEMOLITION PROCEDURE

NTS JAX-FE-FBH-16

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

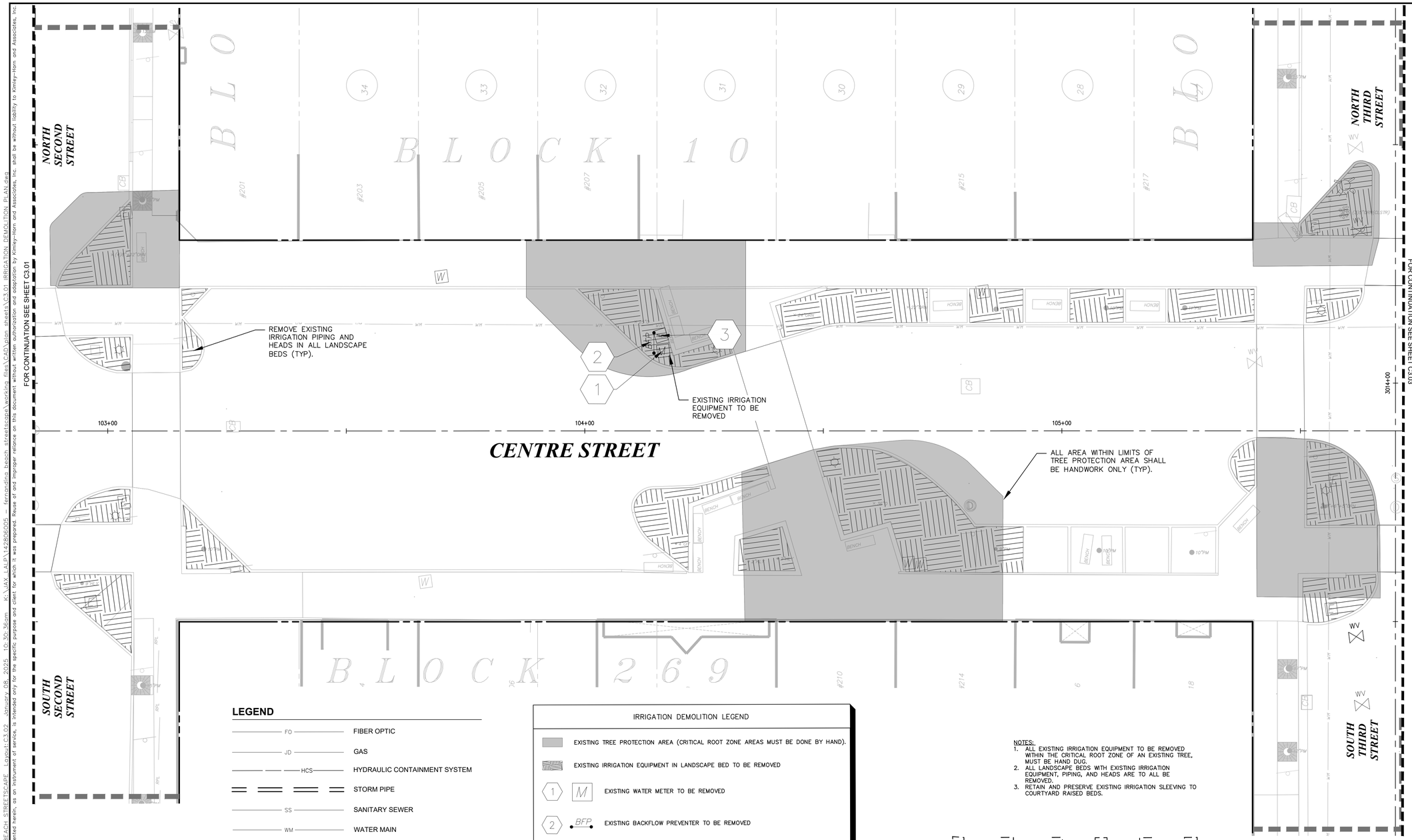
KHA PROJECT 142806005	DESIGNED BY: KHA
DATE 01/08/2025	DRAWN BY: NL
SCALE: AS SHOWN	CHECKED BY: MAJ

TREE DISPOSITION NOTES & DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.50

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C3.02 January 08, 2025 10:30:36am K:\JAX_LAP\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



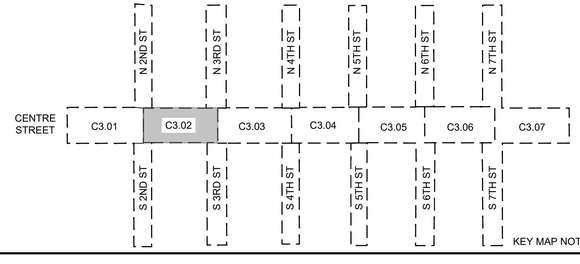
LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM COM COM	PROPOSED ELECTRIC

IRRIGATION DEMOLITION LEGEND

	EXISTING TREE PROTECTION AREA (CRITICAL ROOT ZONE AREAS MUST BE DONE BY HAND).
	EXISTING IRRIGATION EQUIPMENT IN LANDSCAPE BED TO BE REMOVED
1 M	EXISTING WATER METER TO BE REMOVED
2 BFP	EXISTING BACKFLOW PREVENTER TO BE REMOVED
3 TIMER	EXISTING IRRIGATION CONTROLLER TO BE REMOVED

NOTES:
1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.



KEY MAP NOT TO SCALE

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

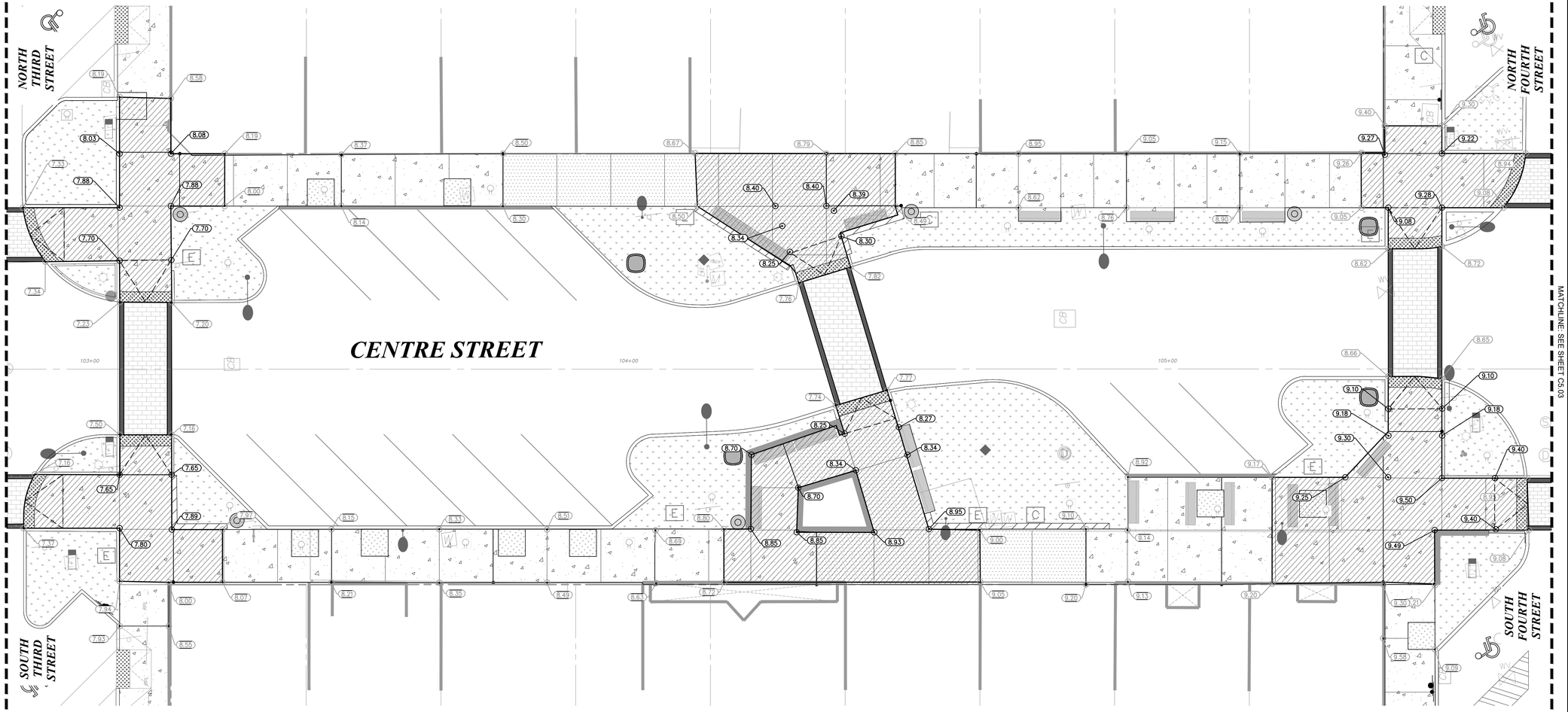
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

IRRIGATION DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
C3.02



MATCHLINE: SEE SHEET C5.01

MATCHLINE: SEE SHEET C5.03

LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
D	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	CRZ
DRAWN BY:	CRZ
CHECKED BY:	BSD

GRADING AND DRAINAGE PLAN

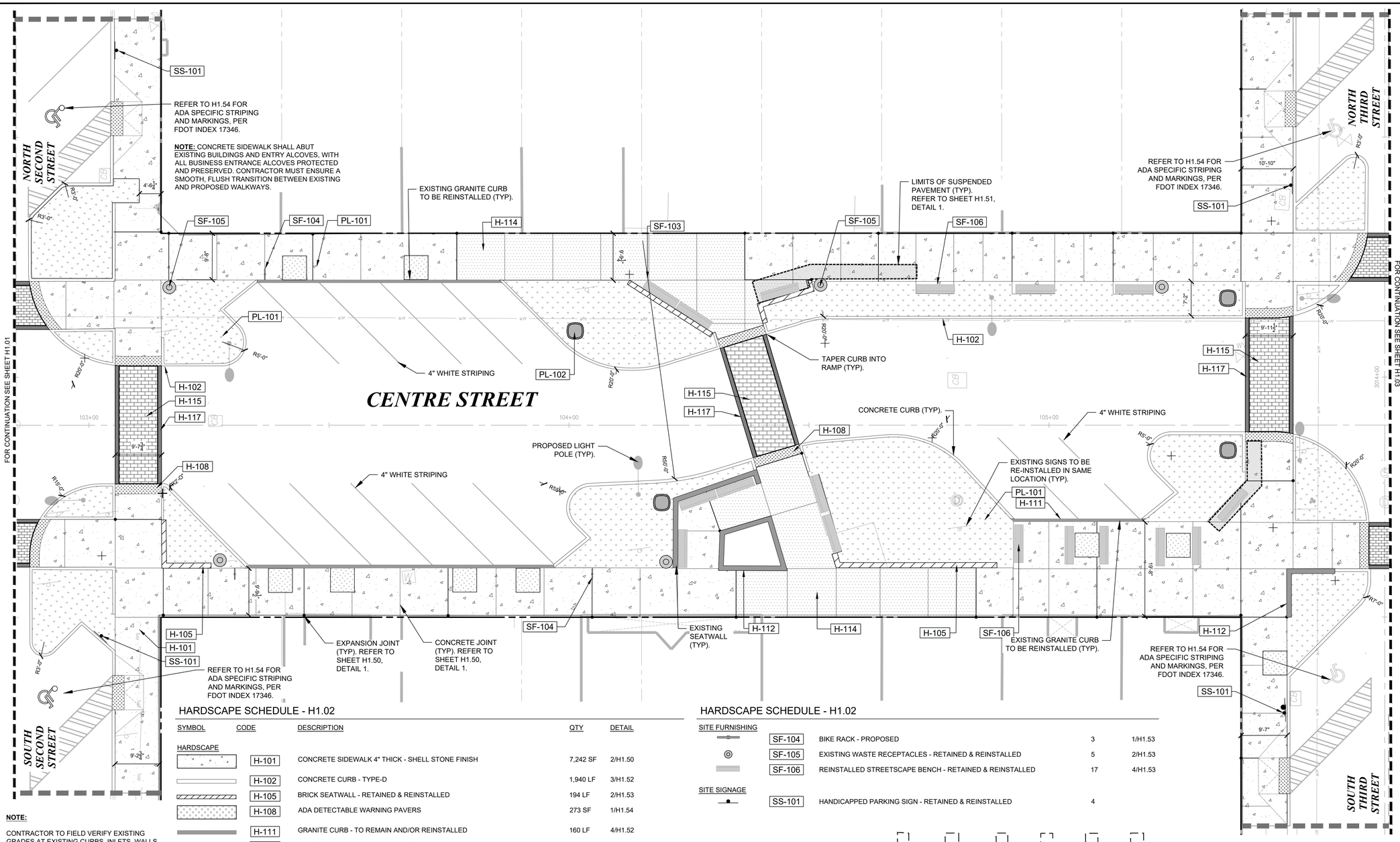
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C5.02

Plotted By: Zlaymont, Charles Sheet Set: ########## Layout: C5.02 January 08, 2025 09:47:34am K:\JAX_LAP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CAD\Plan Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



HARDSCAPE SCHEDULE - H1.02

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	7,242 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,940 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	194 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	273 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	160 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	194 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,698 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	989 SF	
	H-117	CONCRETE BAND - CROSSWALKS	390 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,161 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	

* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

HARDSCAPE SCHEDULE - H1.02

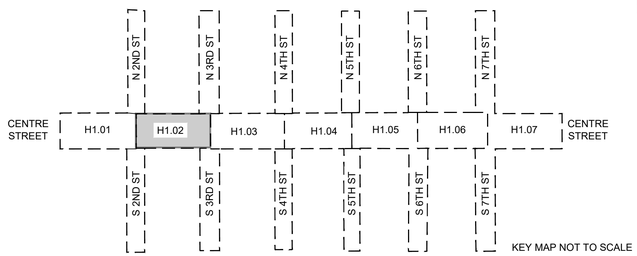
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	17	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	4	

NOTE:

CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.02

Plotted By: Fuchs, Zach Sheet: Sat-FERNANDINA BEACH STREETSCAPE Layout: H1.02 January 08, 2025 10:32:21am K:\JAX_LA\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL HARDSCAPE SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	33,041 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	10,222 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	534 LF	2/H1.53
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	1,448 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	2,129 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	1,329 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	490 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	8,919 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	5,149 SF	
	H-117	CONCRETE BAND - CROSSWALKS	2,702 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	21,284 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	17	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	26	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	36	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	46	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	8	

HARDSCAPE SCHEDULE - H1.01

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,825 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,127 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	49 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	219 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	243 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	228 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	891 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	580 SF	
	H-117	CONCRETE BAND - CROSSWALKS	365 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,474 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	2	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	5	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.02

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	7,242 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,940 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	194 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	273 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	160 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	194 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,698 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	989 SF	
	H-117	CONCRETE BAND - CROSSWALKS	390 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,161 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	17	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	4	

HARDSCAPE SCHEDULE - H1.03

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,451 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,520 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	141 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	218 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	310 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	141 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,150 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	759 SF	
	H-117	CONCRETE BAND - CROSSWALKS	493 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,929 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	11	4/H1.53

HARDSCAPE SCHEDULE - H1.04

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,892 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,810 LF	3/H1.52
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	222 SF	1/H1.54
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	468 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	448 LF	4/H1.52
	H-115	BRICK CROSS WALK - PROPOSED	885 SF	
	H-117	CONCRETE BAND - CROSSWALKS	410 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	3,080 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	5	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - REINSTALLED & TO REMAIN IN PLACE	7	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.05

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	4,237 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,607 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	66 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	204 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	209 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	99 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,938 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	1,012 SF	
	H-117	CONCRETE BAND - CROSSWALKS	450 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,374 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	6	4/H1.53

HARDSCAPE SCHEDULE - H1.06

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,609 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,138 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	190 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	646 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,623 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	732 SF	
	H-117	CONCRETE BAND - CROSSWALKS	467 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,595 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.07

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,785 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	954 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	121 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	309 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	74 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	619 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	192 SF	
	H-117	CONCRETE BAND - CROSSWALKS	127 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,321 SF	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	2	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

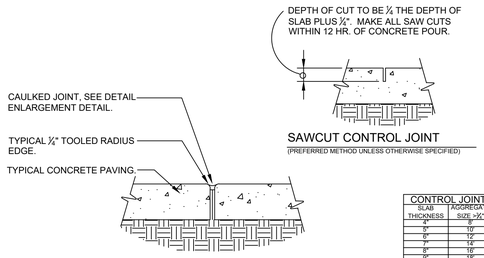
HARDSCAPE PLAN SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.08 January 08, 2025 10:33:47am K:\JAX_LAP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

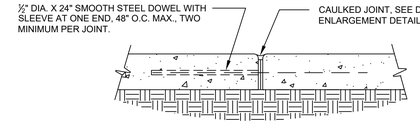


CAULKED EXPANSION JOINT

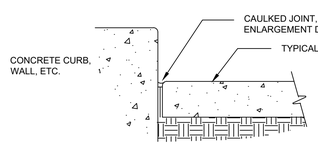
SAWCUT CONTROL JOINT

(PREFERRED METHOD UNLESS OTHERWISE SPECIFIED)

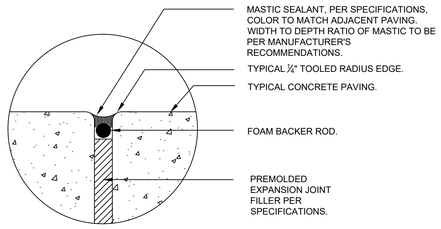
CONTROL JOINT SPACING		
SLAB THICKNESS	AGGREGATE SIZE >¾"	AGGREGATE SIZE <¾"
4"	8'	10'
5"	10'	13'
6"	12'	15'
7"	14'	18'
8"	16'	20'
9"	18'	23'
10"	20'	25'



DOWELED EXPANSION JOINT



CONCRETE PAVING AT VERTICLE PLANE

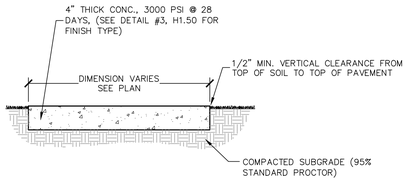


ENLARGED TYPICAL CAULKED JOINT

1 TYPICAL CONCRETE JOINT DETAILS

NTS: SCALE

JAX-FE-14



CEMENT: ASTM C150/C150M, TYPE I - NORMAL PORTLAND TYPE, AQUIRE CEMENT FOR ENTIRE PROJECT FROM SAME SOURCE.

SAND: LOCALLY AVAILABLE SAND

AGGREGATE: COQUINA MAX. ¾", AQCUIRE AGGREGATE FOR ENTIRE PROJECT FROM SAME SOURCE.

CURING COMPOUND: INTENT IS FOR TEXTURE TO MATCH CONCRETE SIDEWALK AT WATERFRONT PARK. ADD MIXTURES:

- HIGH RANGE WATER REDUCING AND RETARING ADMIXTURE: ASTM C494.C494M TYPE G.
- HIGH RANGE WATER REDUCING ADMIXTURE: ASTM C494/C494M TYPE F.
- DO NOT USE CHEMICAL THAT WILL RESULT IN SOLUBLE CHLORIDE IONS IN EXCESS OF 0.1 PERCENT BY WEIGHT OF CEMENT.

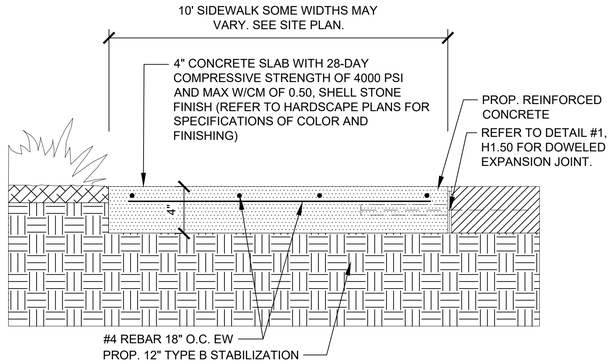
1. A PRE JOB CONFERENCE IS RECOMMENDED BETWEEN OWNER, ENGINEER, LANDSCAPE ARCHITECT, READY-MIX REPRESENTATIVE, AND INSTALLER TO DISCUSS PROJECT APPLICATION AND REVIEW SUBMITTALS.
2. ALL CONCRETE MUST BE BATCHED FROM THE SAME LOCATION.
3. A 10'X10' MOCKUP MUST BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE, SHOWING SHELL STONE (OR ALTERNATIVE) FINISH TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. MOCKUP LOCATION TO BE OFF-SITE AT A LOCATION MUTUALLY AGREED-UPON BY THE CONTRACTOR AND OWNER.
4. PRECAUTIONS MUST BE TAKEN IN HOT WEATHER TO PREVENT PLASTIC CRACKING RESULTING FROM EXCESSIVELY RAPID DRYING AT SURFACE AS DESCRIBED IN CIP 5"PLASTIC SHRINKAGE CRACKING" PUBLISHED BY THE NATIONAL READY MIXED CONCRETE ASSOCIATION.

FINISH:
A. SHELL STONE FINISH

2 CONCRETE SIDEWALK FINISHES

NTS

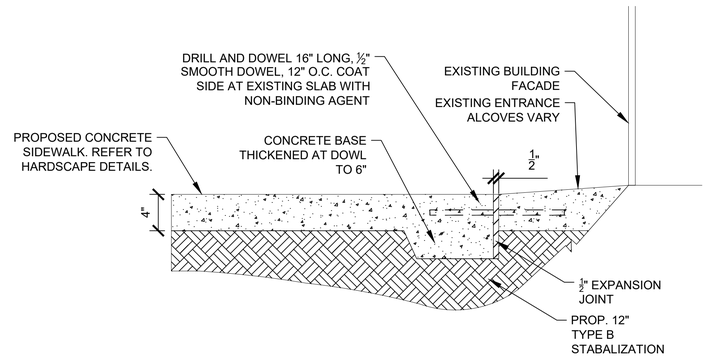
JAX-FE-FBH-15



3 DECORATIVE CONCRETE TREATMENT

6" = 1'-0"

JAX-FE-FBH-34



PRODUCT: SCOFIELD INTEGRAL COLOR SG
MANUFACTURER: SIKA

237 SAND BUFF
237 CORONADO BUFF
447 PRAIRIE BEIGE
447 SCHOONER BEIGE
FINISH: SHELL STONE
SEE HARDSCAPE PLANS FOR SPECIFIC PLACEMENT

CONTRACTOR TO COORDINATE WITH THE PROJECT LANDSCAPE ARCHITECT AND CITY OF FERNANDINA BEACH REPRESENTATIVE FOR FINAL COLOR SELECTION. PROVIDE 6'X6' MOCKUP FOR EACH COLOR OPTION WITH SHELLSTONE TEXTURED FINISH.

4 CENTRE STREET SIDEWALK INTEGRAL COLOR OPTIONS

1" = 10'

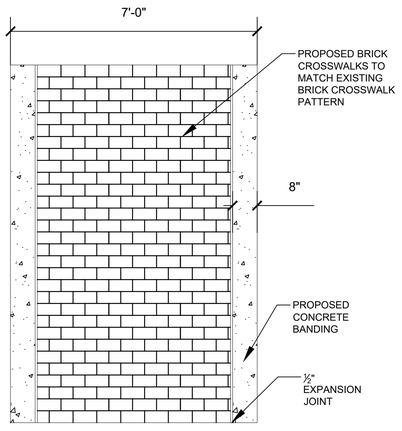
JAX-FE-FBH-41

CONCRETE BAND - STRUCTURAL EDGE:

1. STRENGTH: MINIMUM 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. MIX DESIGN: CONCRETE MIX
3. COLOR: AS SPECIFIED IN DETAIL #4, H1.50
4. EXPANSION JOINT MATERIAL: PRE-MOLDED EXPANSION JOINT FILLER, ½" THICK SUITABLE FOR OUTDOOR USE
5. BONDING AGENT: CONCRETE BONDING ADHESIVE FOR BONDING NEW CONCRETE TO ADJACENT SURFACES AS NECESSARY.
6. CONCRETE BANDING SHALL BE POURED INTO THE FRAMEWORK, ON BOTH SIDES OF PEDESTRIAN BRICK CROSSWALK.

NOTE:

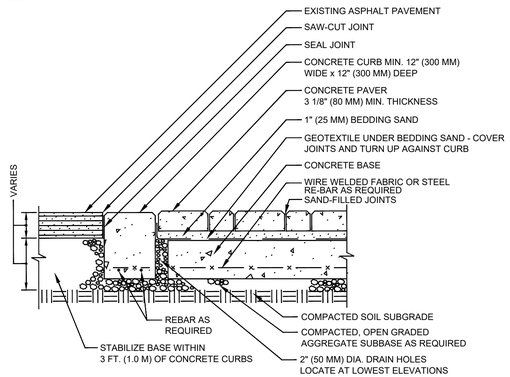
1. EXISTING BRICK CROSSWALKS TO MAINTAIN ITS ORIGINAL PATTERN
2. EXCESS BRICKS REMOVED FOR CONCRETE BANDING SHALL BE RE-PURPOSED FOR PROPOSED BRICK CROSSWALKS.



5 REINFORCED CONCRETE SIDEWALK

1 1/2" = 1'-0"

JAX-FE-FBH-37



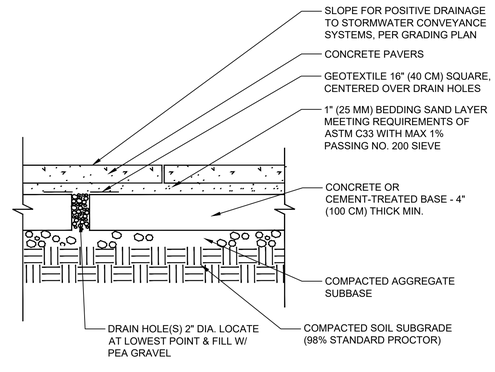
NOTE:

1. BASE THICKNESS AND REINFORCING VARIES WITH TRAFFIC, CLIMATE AND SUBGRADE CONDITIONS.
2. CONCRETE BASE MINIMUM 2% SLOPE FROM CENTERLINE TO CURB.
3. DO NOT PROVIDE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2 FT. (0.6 M) FROM TOP OF SOIL SUBGRADE. PROVIDE DRAIN HOLES TO CATCH BASINS.

6 CONCRETE SIDEWALK ADJACENT TO EXISTING BUILDING ENTRANCE

1 1/2" = 1'-0"

JAX-FE-FBH-40



NOTES:

1. AGGREGATE SUBBASE AND SUBGRADE SOIL MAY REQUIRE DRAINS. DRAINAGE MAY BE ACHIEVED BY EITHER CONTINUOUS 2" WIDE SLOT OR 2" DIA. VOIDS AT 10" O.C./ FILLED WITH PEA GRAVEL AND COVERED WITH GEOTEXTILE.
2. COVER ENTIRE SURFACE OF CEMENT-TREATED BASE WITH GEOTEXTILE TO PREVENT LOSS OF BEDDING SAND IN SHRINKAGE CRACKS.

CONCRETE PAVERS:

STYLE 'A' - 4'X8' BELGARD HOLLAND ANTIQUE RED ADA PAVERS WITH TRUNCATED DOME. PAVERS TO BE LAID IN A RUNNING BOND PATTERN TO MATCH CROSSWALKS.

STYLE 'B' - 18" HEXAGONAL PAVERS SELECTED TO MATCH EXISTING HEXAGONAL PAVERS AS CLOSELY AS POSSIBLE. REFER TO SHEET H1.52, DETAIL 1 FOR PAVER LAYOUT.

NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS AND COLOR SAMPLES FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO CONSTRUCTION AS WELL AS SIEVE ANALYSIS FOR JOINT AND BEDDING SAND.

ALL JOINTS SAND-SWEPT USING POLYMERIC SAND COMPOUND AND WATERED IN PER MANUFACTURER'S SPECIFICATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR SUBGRADE PERORATION PER MANUFACTURER'S SPECIFICATIONS - INSTALL PER ICPI AND MANUFACTURER'S SPECIFICATIONS.

PRIMARY USE IS: CIVILIAN FOOT TRAFFIC

7 CONCRETE BANDING - CROSSWALK

1/2" = 1'-0"

JAX-FE-FBH-44

8 CROSSWALK ON CONCRETE BASE WITH SAND SETTING BED

NTS

DETAIL-FILE

9 CONCRETE PAVERS ON A CONCRETE BASE

NTS

JAX-FE-02

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FL 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.50

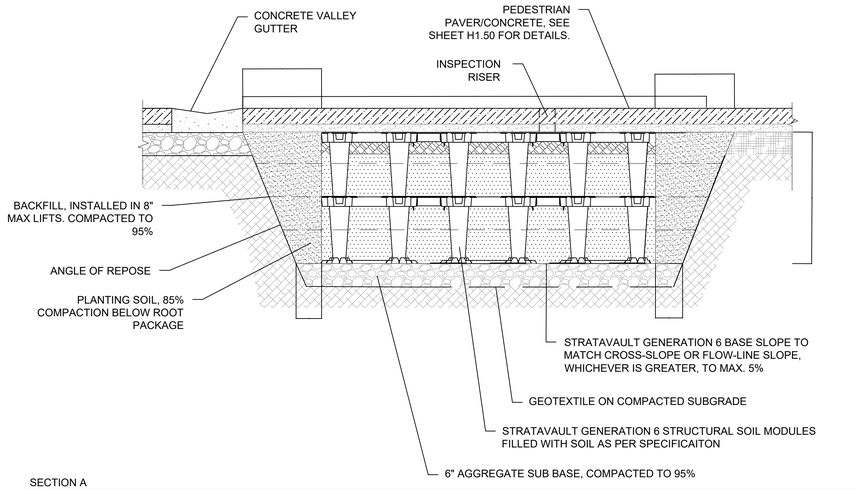
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.50 January 08, 2025 10:33:55am K:\JAX_LA\LP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

CITY GREEN

1. MANUFACTURER:
CITYGREEN
888-999-3990

2. MODEL:
STRATAVAULT

3. PRODUCT TO BE DESIGNED BY MANUFACTURER. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

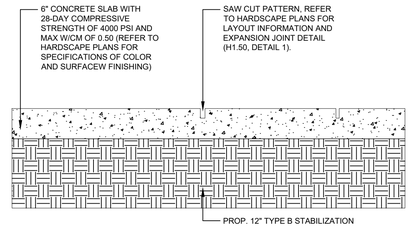


SECTION A
NOT TO SCALE

1 SUSPENDED PAVEMENT

NTS

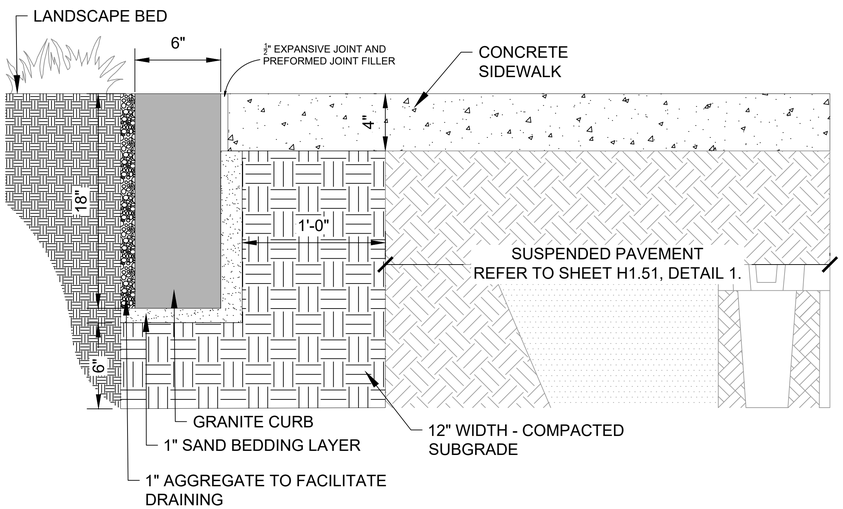
JAX-FE-FBH-48



2 VEHICULAR CONCRETE SECTION

1 1/2" = 1'-0"

JAX-FE-FBH-47



GRANITE CURB INTERFACING SUSPENDED PAVEMENT

- SUBRADE AND BEDDING MATERIAL AROUND SUSPENDED PAVEMENT IS TO BE COMPACTED BUT NOT OVER COMPACTED TO AVOID SOIL COMPACTION WITHIN THE CELLS.
- GRANITE CURB ABUTTING SUSPENDED PAVEMENT SHOULD BE FLUSHED AND DESIGNED TO ACCOUNT FOR OVERFLOWS AND DIRECT WATER TOWARDS DESIRED CATCHMENTS ZONES WITHOUT UNDERMINING SILVA CELLS/ SUSPENDED PAVEMENT.
- WHERE GRANITE CURB MEETS SUSPENDED PAVEMENTS, ANY JOINTS OR TRANSITIONS MUST BE SEALED TO PREVENT SOIL OR DEBRIS INFILTRATIONS.
- INSTALL SUSPENDED PAVEMENT FIRST TO PROTECTED ITS STRUCTURAL INTEGRITY AND ENSURE PROPER SOIL FILLING.
- GRANITE CURB TO HAVE A COMPACTED SUBGRADE AT LEAST 6-12 INCHES WIDER THAN THE CURB BASE ON BOTH SIDES TO PREVENT SETTLING.
- COMPACTED SUBGRADE DEPTH OF 6-8 INCHES.
- A GRANULAR BASE TO BE SELECTED FOR THE STRUCTURAL STABILITY OF THE GRANITE CURB.
- BEDDING LAYER TO BE A 1 INCH THICK LEVELING COURSE OF SAND OVER COMPACTED SUBGRADE FOR PRECISE PLACEMENT.
- COMPACT THE SUBGRADE AND GRANULAR BASE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY (ASTM D698)

3 GRANITE FLUSH CURB INTERFACING SUSPENDED PAVEMENT

2" = 1'-0"

JAX-FE-FBH-49

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

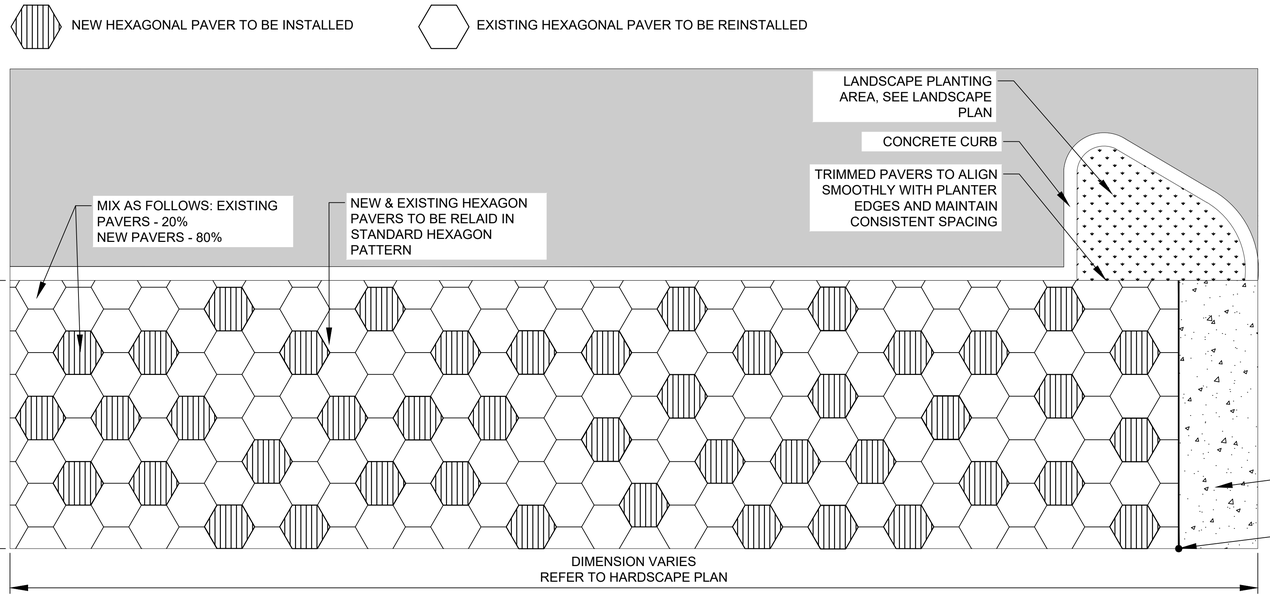
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.51 January 08, 2025 10:34:00am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\color sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTE:

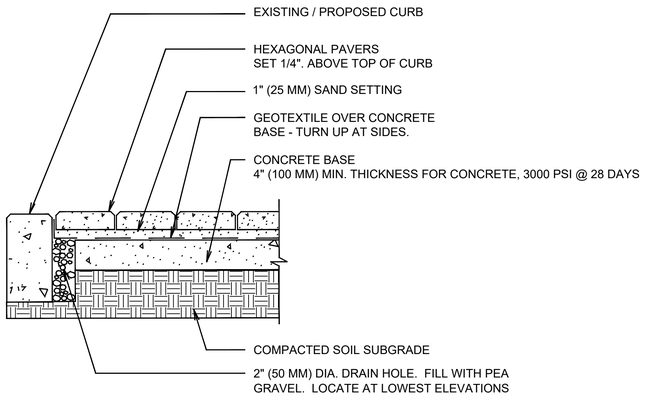
1. FLAT AND SMOOTH INSTALLATION (ADA COMPLIANCE):
- ENSURE ALL PAVERS ARE LAID FLAT AND LEVEL TO CREATE A SMOOTH, CONTINUOUS SURFACE.
- MINIMIZE VERTICAL DISPLACEMENT BETWEEN ADJACENT PAVERS TO NO MORE THAN 1/4 INCH AS PER ADA REQUIREMENTS.
- VERIFY THAT JOINT WIDTHS AND SAND-FILLED JOINTS DO NOT CREATE UNEVEN SURFACES OR TRIPPING HAZARDS.
- CONDUCT PERIODIC SURFACE CHECKS DURING INSTALLATION USING A STRAIGHTEDGE OR LEVEL TO CONFIRM COMPLIANCE WITH ADA SLOPE AND FLATNESS STANDARDS.
- ADDRESS ANY IRREGULARITIES IMMEDIATELY TO MAINTAIN A SAFE, ACCESSIBLE, AND COMPLIANT WALKING SURFACE.
- THIS NOTE EMPHASIZES PRECISION TO MEET ADA STANDARDS WHILE GUIDING THE INSTALLATION TEAM.
- CONTRACTOR TO MIX EXISTING AND NEW PAVERS RANDOMLY AS SHOWN

HEXAGONAL PAVER QUANTITY TO BE REMOVED & RE-USED
EXISTING HEXAGONAL PAVERS (OLD): 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE REMOVED: 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE RE-USED: 1,705 SF
HEXAGONAL PAVERS (NEW PAVERS): 2,342 SF
4" CONCRETE BASE FOR HEXAGONAL PAVERS: 4,047 SF

1 HEX PAVER PATTERN ENLARGEMENT

3/8" = 1'-0"

JAX-FE-FBH-26

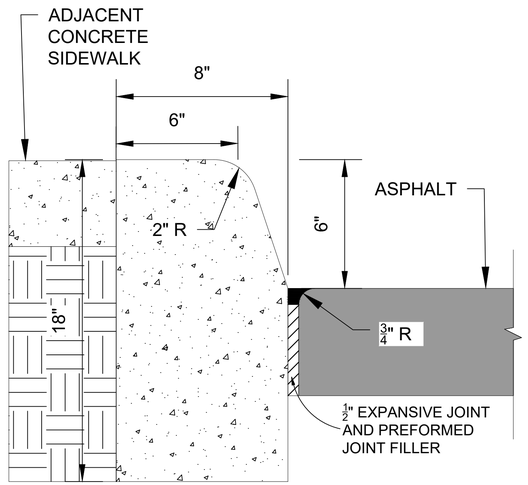


NOTES:
1. THICKNESS REQUIREMENTS WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE. COLDER CLIMATES MAY REQUIRE THICKER BASES.
2. CONSULT ICPI TECH SPEC 2 FOR GUIDELINES ON SPECIFICATIONS FOR BASE MATERIALS, SUBGRADE SOIL AND BASE COMPACTION.

2 HEXAGONAL PAVER ON SIDEWALK

1/16" = 1'-0"

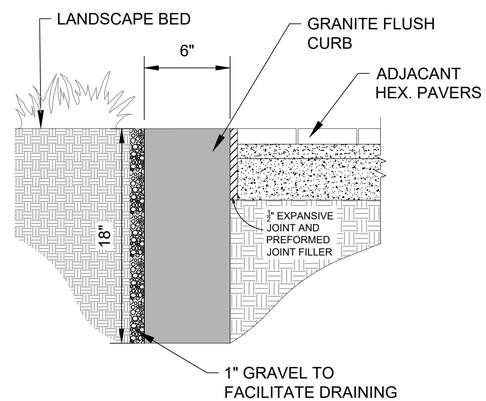
JAX-FE-FBH-35



3 CONCRETE CURB - TYPE 'D'

3" = 1'-0"

JAX-FE-FBH-39



4 GRANITE FLUSH CURB - RELOCATED & REINSTALLED

2" = 1'-0"

JAX-FE-FBH-42

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

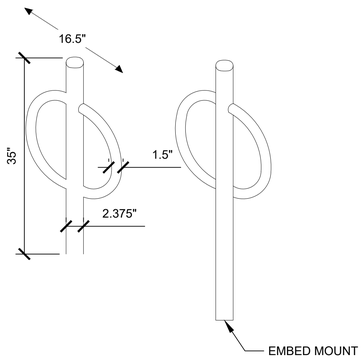
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

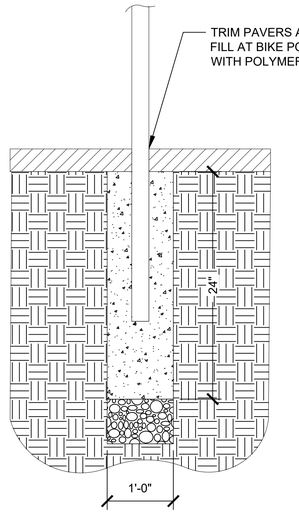
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.52 January 08, 2025 10:34:05am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





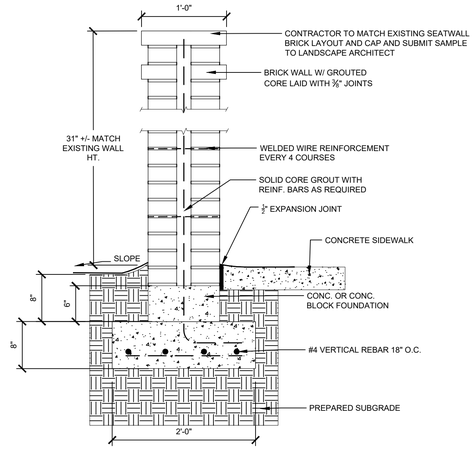
BIKE RACK - CITY OF FERNANDINA BEACH

1. MANUFACTURER: BELSON OUTDOORS
2. MODEL: PAR-2-IG-P GC-238 , STANDARD BOLLARD BIKE RACK WITH OPTIONAL GROUT COVER
3. FINISH: BLACK POWDER-COAT
4. INSTALL OWNER FURNISHED BIKE RACK PER MANUFACTURER'S SPECIFICATIONS, IN GROUND MOUNT
5. BIKE RACKS (NEW) QUANTITY: 20 BIKE RACKS.
6. RE-INSTALL BIKE RACKS EXISTING QUANTITY: 4 BIKE RACKS.

1 BIKE RACK

NTS

JAX-FE-36



2 BRICK SEAT WALL - RELOCATED & REINSTALLED

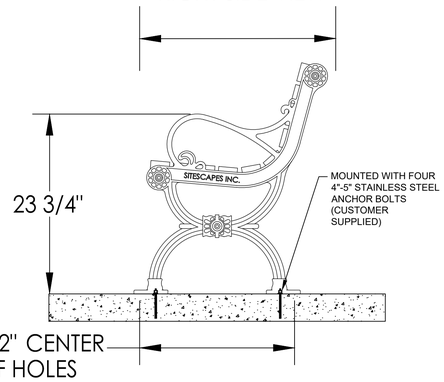
1" = 1"

JAX-FE-FBH-20

SITESCAPES SPECIFICATION: ARLINGTON DECORATIVE CAST END SEATING

(1.1) DESCRIPTION:
SECTIONS INCLUDES INFORMATION, MATERIALS, AND OPTIONS FOR PRODUCTS MANUFACTURES BY STIESCAPES, INC. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS

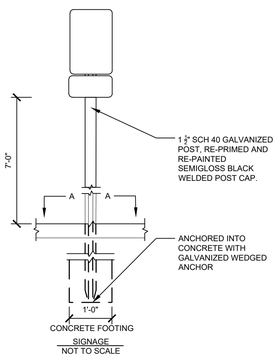
(3.2) INSTALLATION:
BENCHES MAY BE SURFACE MOUNTED USING THE HOLES THAT ARE PREDRILLED IN EACH OF THE FOOTPLATES. BENCHES ARE TO BE MOUNTED WITH FOUR Ø1/2" X 4-5" STAINLESS STEEL ANCHOR BOLTS, WHICH ARE CUSTOMER SUPPLIED. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL PRODUCT IS IN PLACE. THIS SITESCAPES, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.



3 EXISTING BENCH INSTALLATION

1/4" = 1'-0"

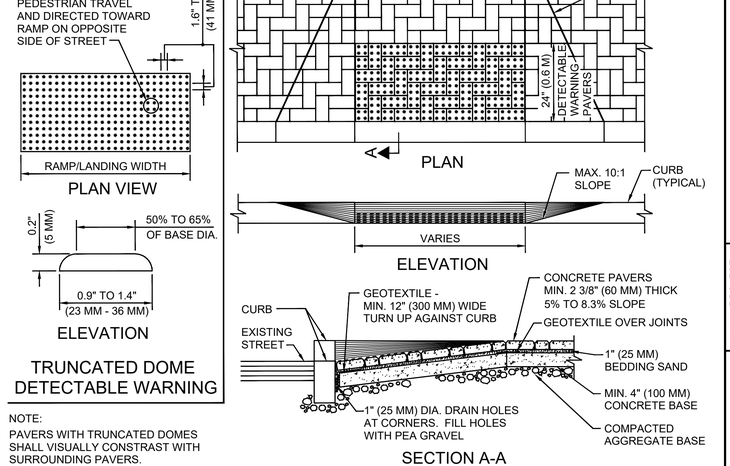
JAX-FE-38



5 SIGN REINSTALLATION

1" = 1'-0"

JAX-FE-24



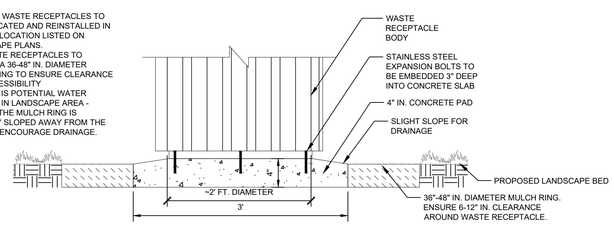
6 CONCRETE CURB RAMP - DETECTABLE WARNING PAVERS

1 1/2" = 1'-0"

JAX-FE-FBH-46

NOTES:

1. EXISTING WASTE RECEPTACLES TO BE RELOCATED AND REINSTALLED IN CHOSEN LOCATION LISTED ON HARDSCAPE PLANS.
2. ALL WASTE RECEPTACLES TO INCLUDE A 36-48" IN. DIAMETER MULCH RING TO ENSURE CLEARANCE FOR ACCESSIBILITY
3. IF THERE IS POTENTIAL WATER POOLING IN LANDSCAPE AREA - ENSURE THE MULCH RING IS SLIGHTLY SLOPED AWAY FROM THE BASE TO ENCOURAGE DRAINAGE.



4 WASTE RECEPTACLE REINSTALLATION

1" = 1'-0"

JAX-FE-FBH-23

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

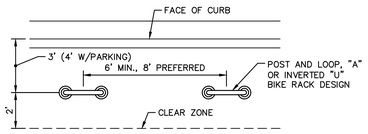
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

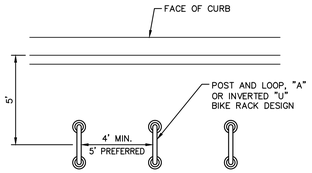
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.53

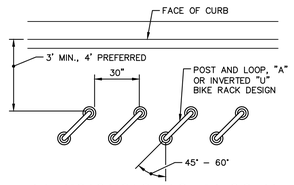
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.53 January 08, 2025 10:34:10am K:\JAX_LALP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



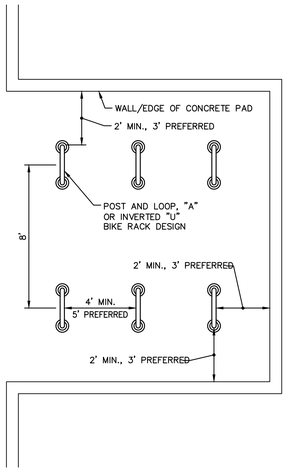
BIKE RACK SPACING - PARALLEL TO CURB



BIKE RACK SPACING - PERPENDICULAR TO CURB



BIKE RACK SPACING - ANGULAR TO CURB

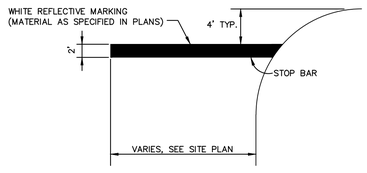


BIKE RACK SPACING - ADJACENT TO WALL

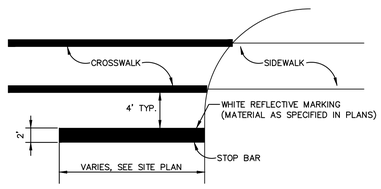
1 BIKE RACK SPACING

NTS

JAX-FE-FBH-50



WITHOUT CROSSWALK

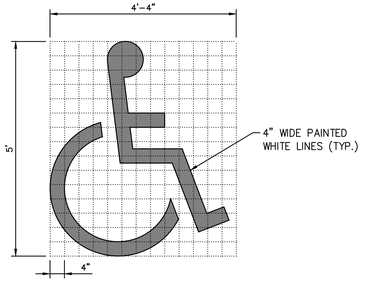


WITH CROSSWALK

3 STOP BAR

NTS

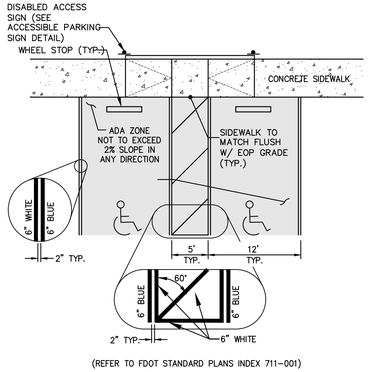
DETAIL-FILE



5 HANDICAPPED PARKING SYMBOL

NTS

DETAIL-FILE



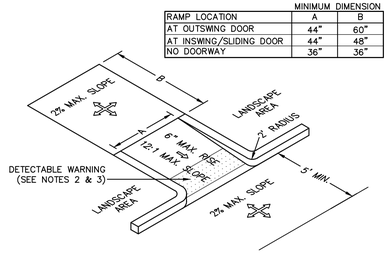
(REFER TO FDOT STANDARD PLANS INDEX 711-001)

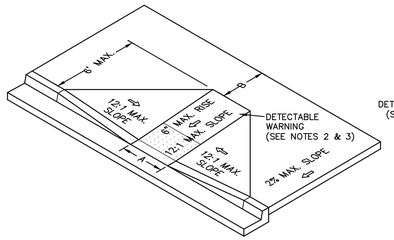
6 ADA PARKING

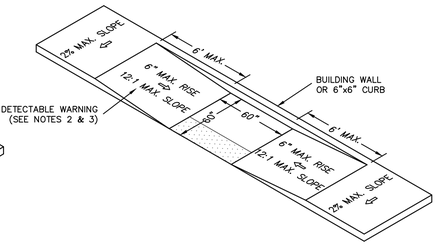
NTS

DETAIL-FILE

RAMP LOCATION	MINIMUM DIMENSION A	MINIMUM DIMENSION B
AT OUTSWING DOOR	44"	60"
AT INSWING/SLIDING DOOR	44"	48"
NO DOORWAY	36"	36"







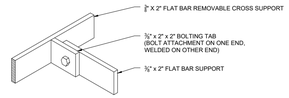
NOTES:

1. ALL CURB CUT ACCESSIBLE RAMPS AND DETECTABLE WARNING SURFACES SHALL BE INSTALLED BY THE SITE CONTRACTOR.
2. CURB RAMPS SUBJECT TO DEPARTMENT OF TRANSPORTATION REGULATION 49 CFR 37.21 SHALL HAVE A DETECTABLE WARNING COMPLYING WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND A MINIMUM OF 24" DEEP (MEASURED FROM THE BACK OF CURB ON THE RAMP SURFACE).
3. ALL DETECTABLE WARNING SURFACES FOR SIDEWALKS AT CURB CUT HANDICAP RAMP SHALL BE A COUNTY APPROVED YELLOW COLORED COMPOSITE MATERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA INSERTS ARE TO BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL CONFORM TO FDOT STANDARD PLANS INDEX 522-002, CODE OF FEDERAL REGULATIONS PART 36, AND CITY OF JACKSONVILLE STANDARDS.

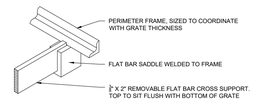
2 ACCESSIBLE RAMP

NTS

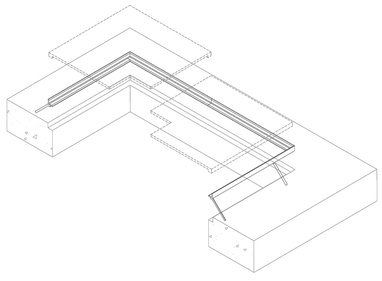
DETAIL-FILE



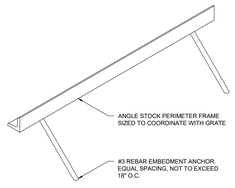
Type S - Isometric
SCALE: NTS



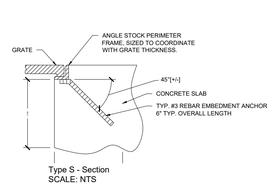
Type S - Isometric
SCALE: NTS



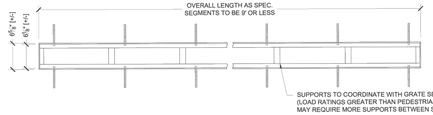
Type S - Exploded Assembly
SCALE: NTS



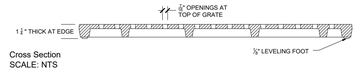
Type S - Isometric
SCALE: NTS



Type S - Section
SCALE: NTS



Example 6" Trench Frame - Plan
SCALE: NTS



Cross Section
SCALE: NTS

TRENCH GRATE:

MATERIAL: 18" X 24" TITLE WAVE TRENCH GRATE BY URBAN ACCESSORIES.

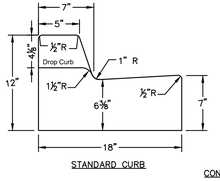
SPECS - TYPE S

TYPE S FRAMES ARE FOR PERMANENT INSTALLS INTO NEW CONCRETE W/O PAVERS. REBAR ANCHORING IS NOT PRE-BENT, BENDING TO BE DONE BY CONTRACTOR PRIOR TO INSTALLATION INTO CONCRETE.

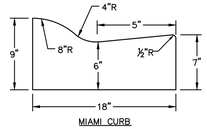
4 TRENCH GRATE

NTS

DETAIL-FILE



STANDARD CURB



MIAMI CURB

CONCRETE QUANTITIES:

CITY STANDARD CURB .0368889 CU. YD./LIN. FT.
MIAMI CURB .0325926 CU. YD./LIN. FT.

7 TRADITIONAL CURBING

NTS

DETAIL-FILE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

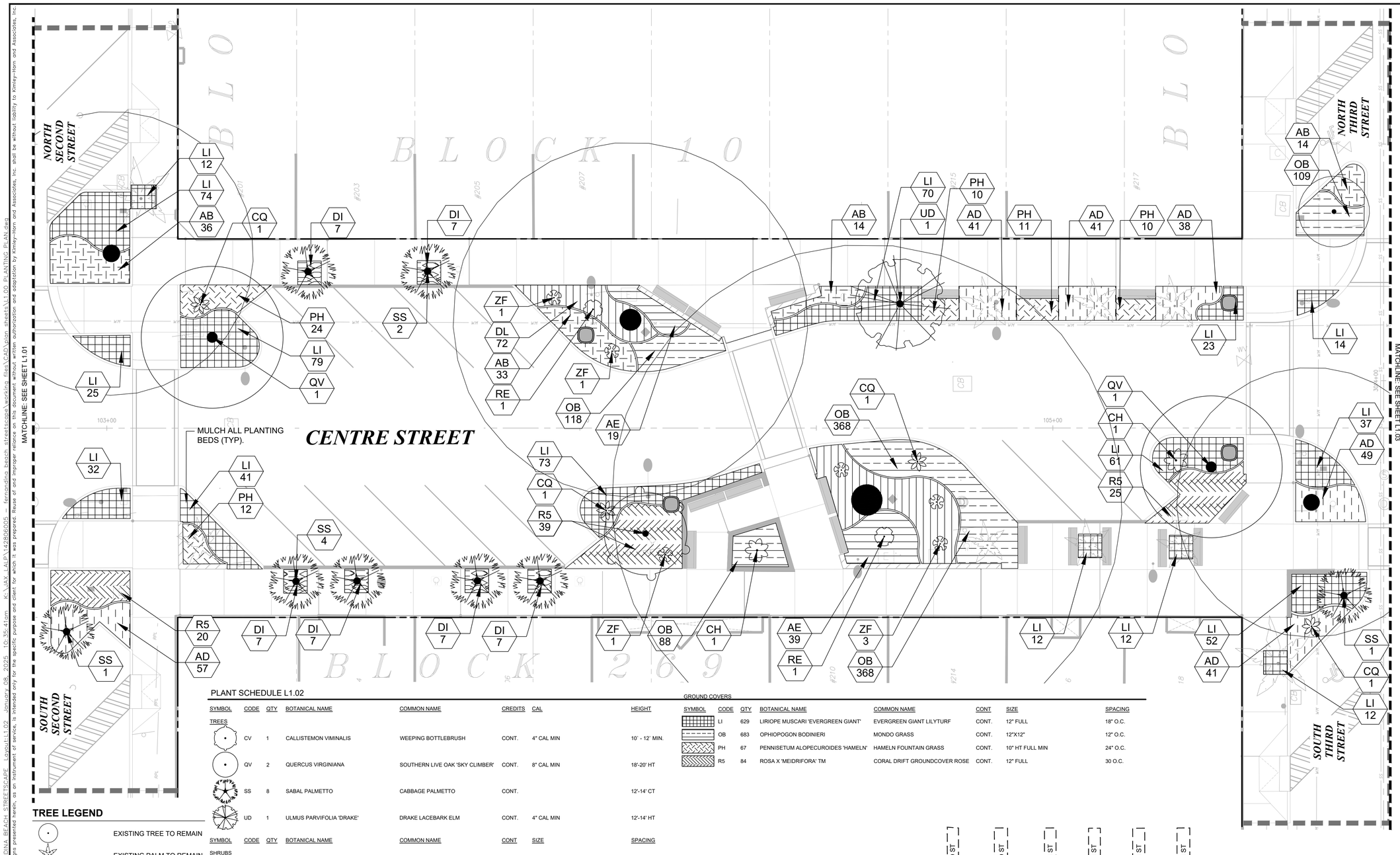
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER H1.54

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.54 January 08, 2025 10:34:54am K:\JAX_LAL\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

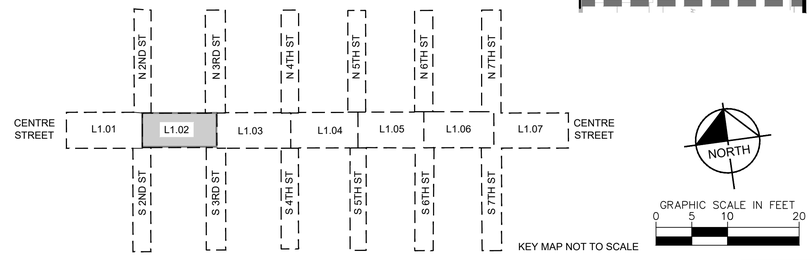
PLANT SCHEDULE L1.02

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	8	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
SHRUBS							
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'	
	CQ	4	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'	
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'	
	ZF	6	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL	
GROUND COVERS							
	AB	97	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.
	AD	267	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.
	AE	58	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.
	DI	42	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.
	DL	234	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.

GROUND COVERS

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
	LI	629	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.
	OB	683	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.
	PH	67	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.
	R5	84	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.



KEY MAP NOT TO SCALE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DESIGNED BY:	KHA
142806005	DRAWN BY:	ZRF
DATE	CHECKED BY:	MAJ
01/08/2025		
SCALE: AS SHOWN		

PLANTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.02

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.02 January 08, 2025 10:35:41am K:\JAX_LAUP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	2	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	EO	12	EXISTING LIVE OAK	EXISTING LIVE OAK	CONT.		
	EC	15	EXISTING UNDERSTORY	EXISTING UNDERSTORY	CONT.		
	LM	28	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	XE	17	OFF-SITE TREE	OFF-SITE TREE	CONT.		
	QV	27	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	178	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	10	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	17	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		
	CQ	12	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			
	RE	6	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		
	ZF	18	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		
GROUND COVERS								
	AB	871	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL		24" O.C.
	AD	1,115	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL		24" O.C.
	AE	448	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL		24" O.C.
	DI	387	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL		24" O.C.
	DL	1,201	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL		24" O.C.
	LI	2,885	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL		18" O.C.
	OB	2,714	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"		12" O.C.
	PH	452	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN		24" O.C.
	R5	363	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL		30 O.C.

PLANT SCHEDULE L1.01

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	4	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	3	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	272	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	75	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	114	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	LI	300	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	115	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	56	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.02

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	8	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	4	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	6	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	97	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	267	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	58	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	42	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	234	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	24" o.c.
	LI	629	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	683	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	67	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	84	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.03

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	15	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	3	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	2	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	228	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	206	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	39	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	65	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	192	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	390	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	359	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	75	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	43	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.04

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	3	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	6	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	2	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	1	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	63	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	135	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	DI	28	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	166	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	679	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	128	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	202	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	75	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.05

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	9	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	7	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	101	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	242	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	109	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	349	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	399	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	958	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	35	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	50	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.06

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	2	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	4	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	ZF	3	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	122	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	41	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	35	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	223	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	209	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	320	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	44	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.07

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			48" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	68	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	87	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	105	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	37	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	279	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	151	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	73	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	11	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.08 January 08, 2025 10:36:49am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING SCHEDULE

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.08

TYPICAL PLANTING NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: OBTAINING ALL APPLICABLE PERMITS, FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS SPECIFIED HEREIN.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM CONTRACTOR NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

3. THE CONTRACTOR SHALL SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF THE DEPARTMENT OF TRANSPORTATION (DOT) DESIGN STANDARDS IF A DIRECT APPLICATION OF THE STANDARD IS PROPOSED. THE CONTRACTOR SHALL SUBMIT IN WRITING A STATEMENT INDICATING THE STANDARD INDEX AND PAGE NUMBER NO LESS THAN 10 BUSINESS DAYS PRIOR TO START OF CONSTRUCTION. WHEN A DIRECT APPLICATION OF DOT STANDARD IS NOT ACCEPTABLE A PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A PROFESSIONAL ENGINEER WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC, AS DEFINED BY DOT FOR APPROVAL BY THE COUNTY ENGINEER'S REPRESENTATIVE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON INFORMATION FURNISHED BY THE OWNER OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

5. NOTIFY THE OWNER IMMEDIATELY IF ANY DAMAGES OCCUR TO EXISTING TREES.

6. CALL ONE CALL (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

C. PROTECTION OF EXISTING PLANT MATERIALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC... THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE.

2. SEE TREE MITIGATION PLAN AND NOTES.

D. MATERIALS

1. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY* (OR TAGGED IN NURSERY)
	*IN SOME INSTANCES AN IMAGE TAKEN OF THE PLANT WITH A MEASURING STICK WILL SUFFICE
ROOT BARRIER	NOS SM 2420 ROOT BARRIER (OR APPROVED EQUAL) INSTALL PER MANUFACTURERS' SPECIFICATIONS IN LOCATIONS SHOWN ON PLANS.

2. PLANT MATERIALS

a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE GRADE NO. 1 OR BETTER AS DETERMINED BY THE APPROPRIATE STATE DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.

b. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

c. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:

2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.

b. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.

c. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.

d. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL, MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.

e. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.

2. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

F. WATER

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

* WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

* FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

1. MULCH SHALL BE DOUBLE SHREDDED HARDWOOD MATERIAL
2. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF THREE (3) INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). SEE PLAN FOR MULCH SPECIFICATIONS.

3. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA WITH PINNED WEED BARRIER FABRIC IN EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT (6' MINIMUM) PLANTED UNDER THIS CONTRACT.

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED (B&B), AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROUTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS: ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.

4. RPG="ROOTS PLUS GROWER" CONTAINER PRODUCTS SHALL BE USED WHERE SPECIFIED.

K. MATERIALS LIST

1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION.

2. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

L. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

M. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.

3. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

4. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ONSITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

5. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

6. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

7. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES. ANY DAMAGES CAUSED BY CONTRACTOR WILL BE THE CONTRACTOR'S RESPONSIBILITY.

8. FOLLOW PLANTING SPECIFICATIONS IN PLANTING DETAILS

9. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC.., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

10. TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

11. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6". REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

12. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO ENSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK.

N. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

O. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING TREE GUY SUPPORTS NECESSARY) TO ENSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR OR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

P. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

Q. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

2. ALL TREES ARE REQUIRED TO HAVE 2-YEAR MAINTENANCE AGREEMENT COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

3. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.

4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

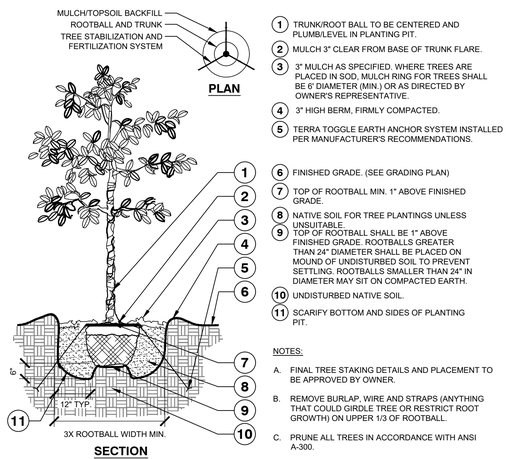
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

PLANTING NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.50 January 08, 2025 10:36:51am K:\JAX_LA\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTES:

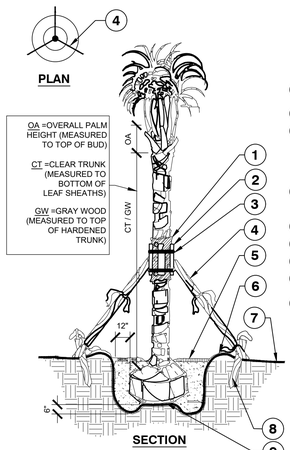
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

1 TREE PLANTING

L-PL-TYP-01



NOTES:

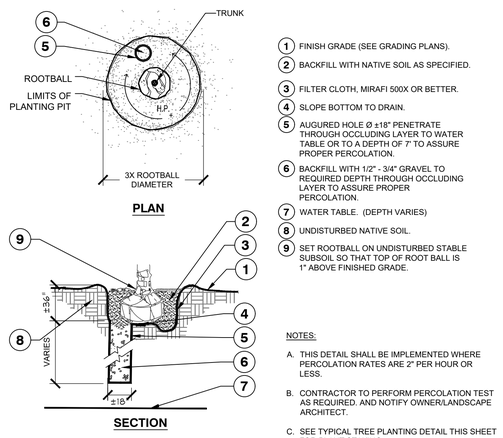
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. ALL TREE STAKING IS TO BE WITHIN MULCH BED AREA OUTSIDE TREE PIT.

C. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION - REFER TO POOR DRAINAGE CONDITION DETAIL.

2 PALM PLANTING AND STAKING

SECTION



NOTES:

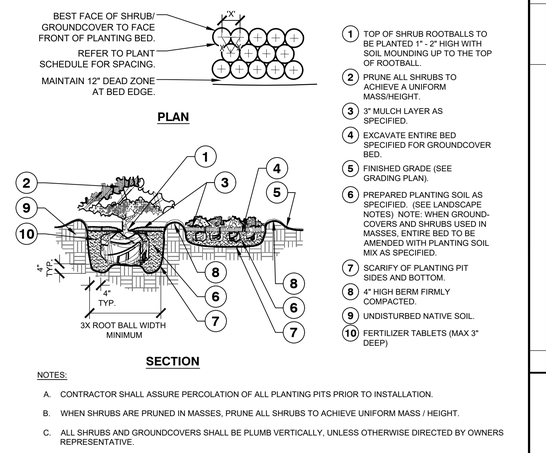
A. THIS DETAIL SHALL BE IMPLEMENTED WHERE PERCOLATION RATES ARE 2" PER HOUR OR LESS.

B. CONTRACTOR TO PERFORM PERCOLATION TEST AS REQUIRED, AND NOTIFY OWNER/LANDSCAPE ARCHITECT.

C. SEE TYPICAL TREE PLANTING DETAIL THIS SHEET FOR PLANT STAKING.

3 POOR DRAINAGE CONDITION

L-PL-TYP-09



NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

4 SHRUB/ GROUNDCOVER PLANTING

L-PL-TYP-03

Model List		
Model #	Height - ft (m)	Caliper - in (mm)
RF0P	Up to 8'	Up to 1.5"
RF0P 4 Leg	Up to 12"	
RF1P	8'-15' (2.5m - 4.5m)	1.5" - 3" (40mm - 75mm)
RF1P 4 Leg	12" - 24" Box	
RF2P	15'-25' (4.5m - 7.5m)	3" - 5.75" (75mm - 150mm)
RF2P 4 Leg	24" - 48" Box	
RF3P	25'-40' (7.5m - 12m)	5.75" - 9.5" (150mm - 230mm)
RF3P 4 Leg	48" - 60" Box	
RF4P	40'+ (12m+)	9.5"+ (230mm+)
RF4P 4 Leg	60" - 84"	
Please contact Platipus representative for boxes over 84"		

5 PLATIPUS TREE ANCHOR WITH DEADMAN FIXING SYSTEM

1" = 10'

JAX-FE-FBP-14

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.51 January 08, 2025 10:36:57am K:\JAX_LALD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

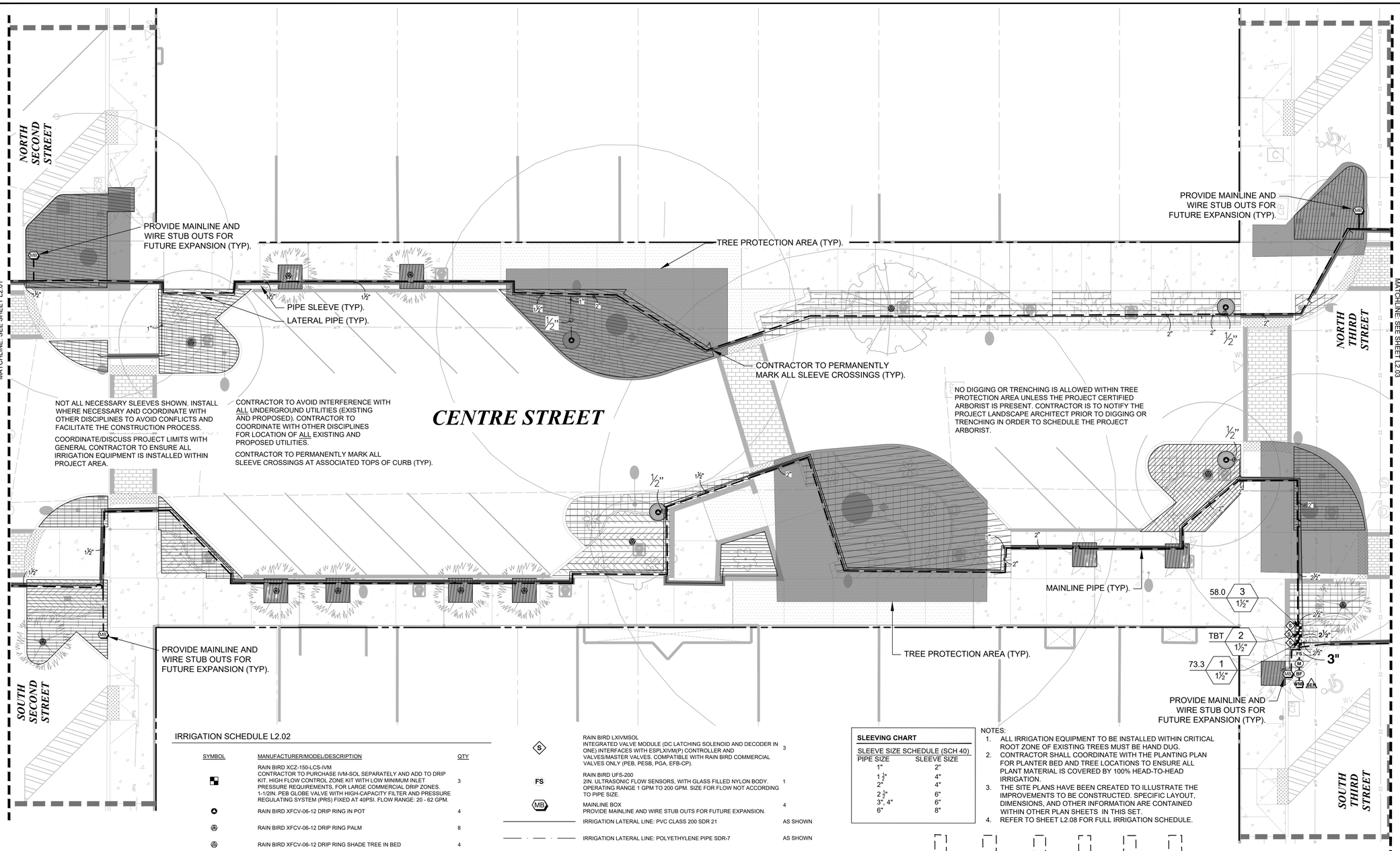
PLANTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.02 January 08, 2025 10:37:41am K:\JAX_LA\EV\142806005 — fernandina beach streetscape\working files\CAD\color sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



IRRIGATION SCHEDULE L2.02

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	3
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	8
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1

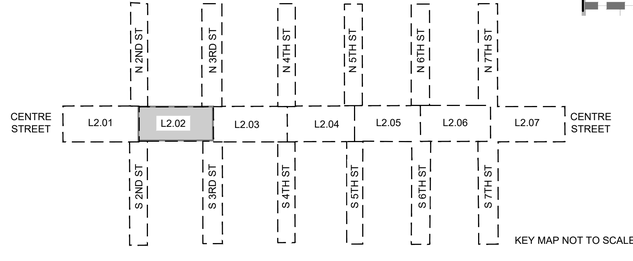
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	3
FS	RAIN BIRD LXFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout
Valve Number
Valve Flow
Valve Size

SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)	
PIPE SIZE	SLEEVE SIZE
1"	2"
1 ½"	4"
2"	4"
2 ½"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG.
2. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
3. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.



KEY MAP NOT TO SCALE

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

IRRIGATION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

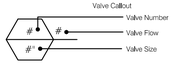
SHEET NUMBER
L2.02

IRRIGATION SCHEDULE L2.01

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	2
	RAIN BIRD XFCV-06-12 DRIP RING PALM	13
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	7
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



IRRIGATION SCHEDULE L2.02

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	3
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	8
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	3
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

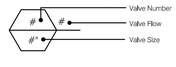
Valve Callout

IRRIGATION SCHEDULE L2.03

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	14
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	2
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

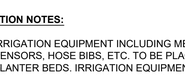


IRRIGATION SCHEDULE L2.04

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	5
	RAIN BIRD XFCV-06-12 DRIP RING PALM	7
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	5
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	3
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

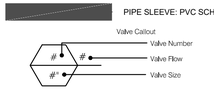


IRRIGATION SCHEDULE L2.05

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	9
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	2
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	2
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	2
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

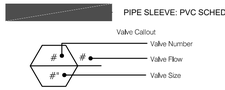


IRRIGATION SCHEDULE L2.06

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	2
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

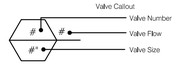


IRRIGATION SCHEDULE L2.07

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING PALM	11
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



VALVE SCHEDULE CENTRE STREET

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PRECIP	TOTAL WATER	RUN TIME
1	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	73.32	33.8	1.44 in/h	0.75 in/h	32 min.
2	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	SPRAY	TBT	TBT	TBT	TBT	TBT
3	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	58.01	34.4	1.44 in/h	0.75 in/h	32 min.
4	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	54.69	33.9	1.44 in/h	0.75 in/h	32 min.
5	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	46.02	33.4	1.45 in/h	0.75 in/h	32 min.
6	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	72.92	36.6	1.44 in/h	0.75 in/h	32 min.
7	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	64.11	32.7	1.44 in/h	0.75 in/h	32 min.

NOTES:

1. IRRIGATION OF NEW LANDSCAPE IS ALLOWED AT ANY TIME OF DAY ON ANY DAY FOR THE INITIAL 30 DAYS AND EVERY OTHER DAY FOR THE NEXT 30 DAYS FOR A TOTAL OF ONE 60-DAY PERIOD, PROVIDED THAT THE IRRIGATION IS LIMITED TO THE MINIMUM AMOUNT NECESSARY FOR ESTABLISHMENT. UPON EXPIRATION OF THIS 60 DAY WINDOW, THE CONTRACTOR IS RESPONSIBLE FOR PROGRAMING THE CONTROLLER TO MEET SJRWMD REQUIREMENTS.
2. THIS SCHEDULE IS PROVIDED FOR CONVENIENCE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ADEQUATE WATERING TO ALL PLANT MATERIAL UNTIL ESTABLISHMENT HAS BEEN REACHED.
3. PROVIDED WATERING SCHEDULE IS PRODUCED BY LAND F/X SOFTWARE FOR SUGGESTED TIMES AFTER ESTABLISHMENT. SCHEDULE MAY VARY BASED ON FIELD CONDITIONS, LANDSCAPE CONTRACTOR TO PROVIDE OWNER WITH ALTERNATIVE WATERING SCHEDULE BASED ON TIME OF PLANTINGS.
5. LANDSCAPE CONTRACTOR TO FOLLOW WATERING SCHEDULE NEEDS BASED ON CHAPTER 40C-2, SUB SECTION 40C-2.042(2) OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT , PERMITTING OF CONSUMPTIVE USES OF WATER. (LISTED BELOW)
SUB SECTION 40C-2.042(2) AFTER ESTABLISHMENT WATERING SCHEDULE DURING DAYLIGHT SAVINGS TIME MAY ONLY OCCUR ON TUESDAYS AND FRIDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. DURING EASTERN STANDARD TIME WATERING SCHEDULE MAY ONLY OCCUR ON TUESDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. MAXIMUM RUN TIME FOR ANY ZONE IS 1 HOUR, AND THE MAXIMUM OUTPUT IS 3/4" PER RUN TIME.

IRRIGATION NOTES:

1. IRRIGATION EQUIPMENT INCLUDING METERS, VALVES, CONTROLLERS, RAIN SENSORS, HOSE BIBS, ETC. TO BE PLACED WITHIN PLANTER BEDS. IRRIGATION EQUIPMENT SHOWN ON SIDEWALK AND STREETS FOR CLARITY ONLY. CONTRACTOR TO VERIFY LOCATION WITH LANDSCAPE ARCHITECT BEFORE INSTALLATION.
2. REFER TO SLEEVING CHART FOR SLEEVE SIZING. ANY MAINLINES OR LATERALS INSTALLED WITHIN VEHICULAR AREAS SHALL BE DOUBLE SLEEVED.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CL01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: L2.08 January 08, 2025 10:39:24pm K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\color sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SPECIFICATION AND NOTES

1. THE SYSTEM SHALL BE DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.

2. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL FIELD VERIFY.

3. CONTRACTOR TO FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.

4. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.

5. IRRIGATION DESIGN IS SCHEMATIC ONLY. FULL AND COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE OWNER'S REPRESENTATIVE.

6. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.

7. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. THE DRAWING SHALL INCLUDE ALL CHANGES MADE TO THE EXISTING IRRIGATION SYSTEM AND ALL NEWLY INSTALLED COMPONENTS INCLUDING ALL SPRINKLERS, STATING BODY TYPES AND NOZZLES, PIPE, INCLUDING SIZES AND THE ENDS OF SLEEVING LOCATIONS AS MEASURED FROM AT LEAST TWO FIXED OBJECTS, CONTROLLER AND WIRE ROUTING. THIS DRAWING MAY BE AN ADAPTATION OF THE IRRIGATION DESIGN WITH ANY CHANGES DRAFTED IN THIS DRAWING. THE DRAWING SHALL ALSO PROVIDE A MINIMUM OF TWO DIMENSIONS TAKEN FROM FIXED OBJECTS TO EACH AUTOMATIC VALVE AND MANUAL CONTROL VALVE. THE AS-BUILT DRAWING SHALL BE DRAWN TO SCALE, PRODUCED IN AUTOCAD OR OTHER DIGITAL DRAFTING PROGRAM, AND DELIVERED AS A PDF AND TWO PRINTED FULL SIZE COPIES.

8. IRRIGATION CONTRACTOR TO PROVIDE POWER SUPPLY TO ELECTRIC CONTROLLERS.

9. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.

10. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS, AS SPECIFIED.

11. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.

12. CONTRACTOR TO COORDINATE LOCATION OF ALL METERS AND BACKFLOW ASSEMBLIES WITH PROJECT OWNER.

13. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.

14. THE CONTRACTOR TO INSTALL PVC PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REVIEW CONSTRUCTION PLANS WITH THE OWNER'S REPRESENTATIVE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO HEAD LINE OR ZONE PLACEMENT.

15. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.

16. ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.

17. SLEEVES UNDER EXISTING PAVEMENT MUST BE DIRECTIONAL BORE. OPEN CUT IS NOT AN OPTION.

18. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.

19. THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR-CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.

20. ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS:

-RECTANGULAR 12"X17" HEAVY DUTY BOX. (PURPLE COVER FOR REUSE TO BE PROVIDED WHERE APPROPRIATE).

21. ALL UNSIZED PIPE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON PLAN. SEE LATERAL PIPE SIZING REQUIREMENTS.

22. EACH TREE AND PALM (AS SHOWN ON THE PLANS) SHALL HAVE A MIN 20 GALLON PER HOUR FLOOD BUBBLER. LOCATE BUBBLER ON THE UPHILL SIDE OF TREES ON ALL SLOPES.

23. ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED ONE (1) FOOT FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).

24. LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2'-0" FROM THE EDGE OF PAVEMENT OR CURB. BACKFLOW, MASTER VALVE, AND FLOW SENSOR SHALL BE A MINIMUM OF 2'-0" FROM BACK OF CURB OR PAVEMENT.

25. IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIPLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.

26. ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND AIR RELIEF VALVE UNLESS THE SPECIFIED DRIPLINE INCLUDES CHECKVALVES. DRIPLINE SHALL PROVIDE 0.9 GPH EMITTERS, 18" O.C. WITH 18" LINE SPACING AT A MINIMUM.

27. IRRIGATION CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL CONTROLLER AND SOIL SENSOR LOCATIONS. THE CONTROLLER SHALL BE PLACED IN A LOCKING CABINET IN THE MOST INCONSPICUOUS AREA APPROPRIATE FOR ITS LOCATION. (INDOOR VS. OUTDOOR USE)

28. CONTRACTOR SHALL PERFORM HYDRO-TESTING OF MAIN LINES.

HYDRO-TESTING TO BE PERFORMED AS LISTED:

THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF TESTING. PRIOR TO BACKFILLING, CONTRACTOR SHALL FILL PIPING WITH WATER, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, TAKING CARE TO PURGE THE AIR FROM IT. A SMALL, HIGH PRESSURE PUMP OR OTHER MEANS OF MAINTAINING A CONTINUOUS WATER SUPPLY SHALL BE CONNECTED TO THE PIPING AND SET SO AS TO MAINTAIN 125 PSI FOR TWO (2) HOURS WITHOUT INTERRUPTION. CONTRACTOR SHALL MAKE ANY NECESSARY CORRECTIONS AND RETEST THE SYSTEM UNTIL THE OWNER'S REPRESENTATIVE IS SATISFIED THAT THE SYSTEM IS REASONABLY SOUND.

29. ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL FOLLOW MANUFACTURERS SPECIFICATIONS. ALL CONTROL WIRE SHALL BE INSTALLED IN A 1-1/4" ELECTRICAL CONDUIT.

30. ALL UNIMPROVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR.

31. INSTALL ALL BACKFLOW PREVENTION DEVICES AND ALL PIPING BETWEEN THE POINT OF CONNECTION AND THE BACKFLOW PREVENTER AS PER LOCAL CODES. FINAL LOCATION SHALL BE DETERMINED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

32. COMMERCIAL LOTS ARE TO UTILIZE SMART IRRIGATION CONTROLLERS WITH SOIL MOISTURE METER SENSORS (SOIL MOISTURE SYSTEMS) TO DETERMINE OPTIMUM MOISTURE LEVELS, SHUT DOWN IRRIGATION, PREVENTING WATER WASTE. THE SOIL MOISTURE SYSTEM SHALL OPERATE AS A PERMISSIVE AND NOT AS A CALL-TO-RUN. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO INSTALL, TEST AND CERTIFY THE SOIL MOISTURE SYSTEM FOR PROPER INSTALLATION AND OPERATION PRIOR TO OCCUPANCY.

33. INSPECT THE CONSTRUCTION SITE BEFORE ANY WORK BEGINS AND FLAG LOCATIONS OF MAINLINE PIPE, SLEEVES, HEADS, AND VALVES FOR REVIEW BY THE OWNER'S REPRESENTATIVE. FLAGS SHALL BE CLEARLY MARKED OR COLORED TO DESIGNATE THE TYPE OF EQUIPMENT TO BE INSTALLED AT THAT POINT. INSTALLATION SHALL NOT COMMENCE UNTIL THE STAKING/FLAGGING HAS BEEN APPROVED.

34. PROVIDE A MINIMUM DEPTH OF COVER OF 18 INCHES FOR ALL MAIN LINE PIPE AND 12 INCHES OF COVER FOR ALL ZONE PIPE AS MEASURED FROM FINISH GRADE.

35. PROVIDE THE MINIMUM DEPTH OF COVER, AS SPECIFIED ABOVE, OVER THE TOP OF THE PIPE BEFORE THE TRENCH IS WHEEL-LOADED.

36. PROVIDE INITIAL BACK FILL MATERIAL THAT IS FINE-GRAINED MATERIAL FREE FROM COMPACTED EARTH GREATER THAN 2 INCHES IN DIAMETER, ROCKS, OR STONES.

37. TAMP THE BACK FILL IN LAYERS NOT TO EXCEED 6 INCHES. LIFT AND COMPACT FIRMLY AROUND THE PIPE AND UP TO AT LEAST 6 INCHES ABOVE THE TOP-OF-PIPE. SUFFICIENTLY MOISTEN THE BACK FILL TO PERMIT THROUGH COMPACTION UNDER AND ON EACH SIDE OF THE PIPE TO PROVIDE SUPPORT FREE FROM VOIDS. AVOID DEFORMING, DISPLACING, OR DAMAGING THE PIPE DURING THIS PHASE OF THE OPERATION. ENSURE THAT WHEN FINISHED, THE SOIL COMPACTION EQUALS THE ORIGINAL CONDITION.

38. SQUARE CUT, CLEAN, AND PIPE ALL JOINTS BEFORE CEMENTING. FULLY ENGAGE ALL JOINTS WHILE CEMENTING. PVC FITTINGS: MAKE ALL SOLVENTS WELD JOINTS IN ACCORDANCE WITH ASTM D2855. PRIME ALL FITTINGS WITH PURPLE PRIMER BEFORE MAKING SOLVENT WELD CONNECTIONS. ALLOW SOLVENT-WELDED JOINTS AT LEAST 1 HOUR TO SET UP BEFORE MOVING OR HANDLING. DO NOT PERMIT WATER IN THE PIPE FOR AT LEAST 24 HOURS AFTER MAKING A SOLVENT WELD ON THAT PIPE UNLESS RECOMMENDED OTHERWISE BY THE SOLVENT CEMENT MANUFACTURER. SEAL ALL THREADED PVC FITTINGS WITH LIQUID TEFLON EXCEPT SPRINKLER HEADS, ELECTRIC VALVE CONNECTIONS, AND SWING JOINTS. INSTALL ALL OF THESE EXCEPTIONS USING 1-INCH TEFLON TAPE.

39. FLUSH ALL PIPELINES BEFORE SPRINKLERS ARE INSTALLED. MAINTAIN A MINIMUM PIPE VELOCITY OF 3 FEET PER SECOND AND FLUSH FOR A MINIMUM TIME OF: T = 2L/3 WHERE T = TIME IN SECONDS AND L = PIPE LENGTH IN FEET FROM INLET POINT TO MOST DISTANT POINT IN THE PIPELINE.

40. INSTALL WIRING IN THE SAME TRENCH AND ALONG THE SAME ROUTE AS AND UNDERNEATH THE MAIN LINE EXCEPT IN LOCATIONS WHERE THE WIRE WILL PASS UNDER PAVING. AT THOSE LOCATIONS, INSTALL THE WIRE INSIDE A PVC SLEEVE. INSTALL CONTROL WIRING THROUGH WALLS, FLOORS, AND SLABS IN PVC SLEEVES.

41. USE UL UF WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS. USE RED #14 AWG WIRE FOR ALL VALVE POWER WIRES. USE WHITE #14 AWG WIRE FOR ALL VALVE COMMON WIRES. USE #14 OR LARGER TWISTED SHIELDED PAIR WIRE FOR ALL TWO-WIRE APPLICATION ON THIS SYSTEM. USE 5/8" OR LARGER COPPER GROUND RODS, COPPER GROUNDING PLATES, CADWELD "ONE SHOT" CONNECTORS AND #6 OR LARGER BARE COPPER WIRE FOR ALL GROUNDING APPLICATIONS FOR THIS SYSTEM. INSTALL GROUNDING AT THE CONTROLLER, ALL DECODER LOCATIONS, AND ALL TERMINATIONS OF THE TWO-WIRE SYSTEM.

42. THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE IN ADVANCE THAT EACH ITEM IS READY FOR INSPECTION AS INDICATED BELOW:

A. FLAGGED UNDERGROUND MAINLINE PIPING, SLEEVES, SPRINKLER AND VALVE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION - NOTIFY 48 HOURS IN ADVANCE.

B. SPRINKLER COVERAGE TEST - NOTIFY 48 HOURS IN ADVANCE.

C. FINAL INSPECTION - NOTIFY 48 HOURS IN ADVANCE.

42. THE CONTRACTOR SHALL ISSUE TO THE OWNER OR OWNER'S REPRESENTATIVE A CERTIFICATE OF WARRANTY OF THE IRRIGATION SYSTEM FOR A PERIOD OF NOT LESS THAN 1 YEAR ON ALL SPRINKLERS, VALVES, THE CONTROLLER, AND THE CONTRACTOR'S LABOR.

43. SUPPLY TO THE OWNER ALL INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING AND ELECTRICAL-RELATED EQUIPMENT, BOUND IN ONE FOLDER. FURNISH THE OWNER WITH ANY KEYS FOR LOCKABLE ITEMS ON THIS SYSTEM.

44. ENSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPE AREAS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING THE INSTALLATION.

45. ALL APPLICABLE CODES SHALL TAKE PRECEDENCE OVER THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFFER TO CO.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

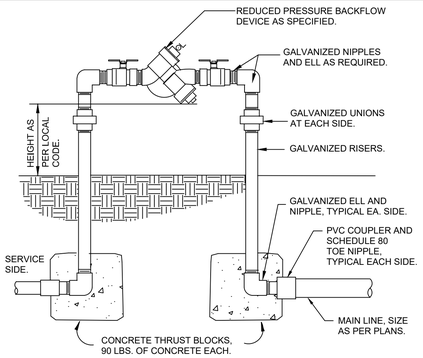
IRRIGATION NOTES

FERNANDINA BEACH STREETSCAPE
IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

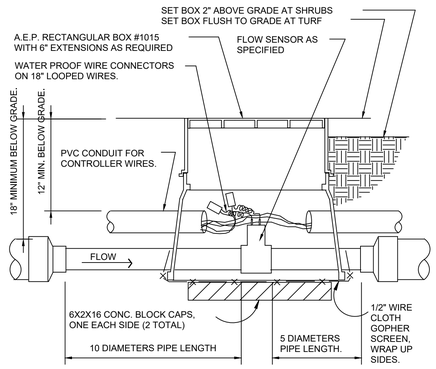
SHEET NUMBER
L2.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.50 January 08, 2025 10:39:26am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



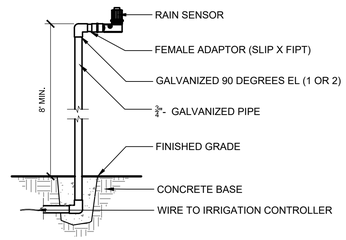
1 REDUCED PRESSURE BACKFLOW DEVICE

1" = 1'-0" L-IR-BAC-03



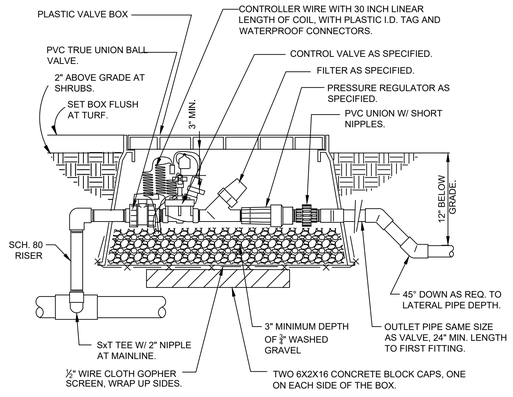
2 FLOW SENSOR ASSEMBLY

NTS L-IR-SEN-01



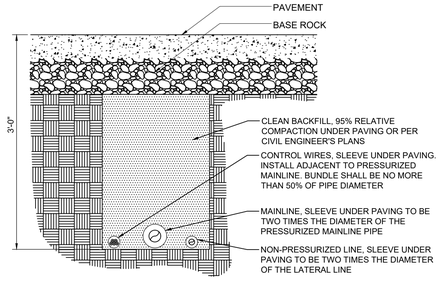
3 RAIN SENSOR- POLE MOUNT

SECTION NTS



4 REMOTE CONTROL VALVE (DRIP)

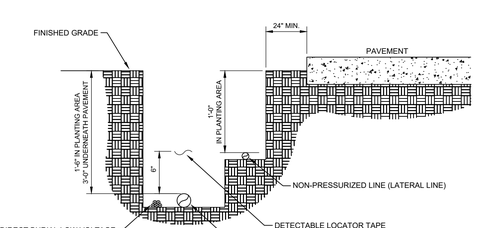
NTS L-IR-DRI-05



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE.
2. ALL SLEEVES SHALL BE SCH. 200 PVC PIPE.
3. ALL SLEEVES SHALL EXTEND 12" BEYOND THE EDGE OF PAVEMENT.
4. END OF SLEEVES SHALL BE LOCATED WITH A WOODEN STAKE OR PVC PIPE. LOCATORS SHALL RUN CONTINUOUSLY FROM THE END OF THE SLEEVE TO FINISHED GRADE.

5 TYPICAL IRRIGATION SLEEVING

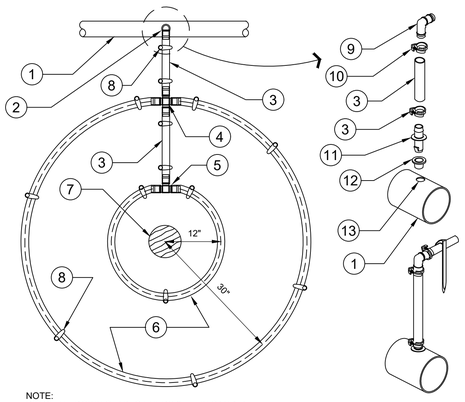
L-IR-EQU-03



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
2. SLEEVING IS REQUIRED AS SHOWN ON PLAN.
3. DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

6 IRRIGATION TRENCHING

NTS L-IR-EQU-10

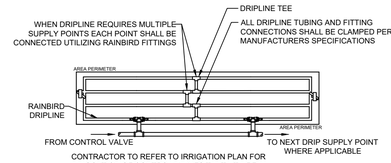


NOTE:
PLACE TIE DOWN STAKES EVERY 3 FT. IN SAND, 4 FT. IN LOAM, AND 5 FT. IN CLAY, AS WELL AS AT ALL CHANGE OF DIRECTION SUCH AS AT TEES OR ELLS.

DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL

7 TYPICAL DRIP IRRIGATION

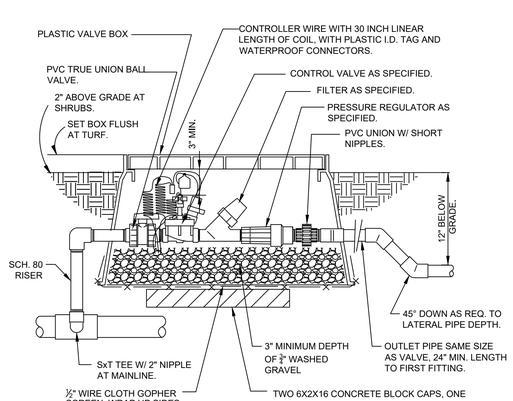
NTS L-IR-DRI-25



CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS.

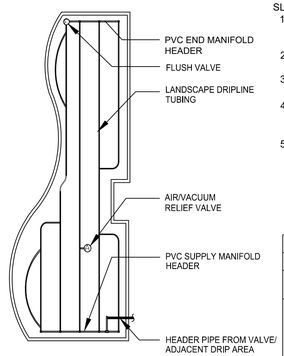
NOTE
1. DRIP TUBING TO BE ROUTED IN THE PLANT MATERIAL BED WITH AT MAXIMUM LATERAL SPACING OF 16 INCHES.
2. DRIP TUBING TO BE INSTALLED IN A GRID PATTERN. DRIP TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.
3. INSTALL WITH AIR RELIEF VALVE, OPERATION INDICATOR AND FLUSH VALVE. INSTALL ALL UNDERGROUND EQUIPMENT IN 12" ROUND VALVE BOX.

1. LATERAL SUPPLY PIPE, SEE PLAN.
2. DRIPLINE CONNECTION TO BELOW GRADE LATERAL PIPE, SEE DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL (TYPICAL CONDITION).
3. POLYETHYLENE TUBING SEE PLAN FOR SIZING.
4. BARB CROSS INSERT FITTING.
5. BARB TEE INSERT FITTING.
6. AT-GRADE DRIPLINE, INNER RING 12" FROM PLANT, OUTTER RING 30" FROM PLANT. DRIPLINE AS SPECIFIED ON PLAN.
7. PLANT TRUNK.
8. TYPICAL ANTELCO ASTA TIE-DOWN STAKE, SEE NOTE.
9. DRIPLINE BARBED INSERT ELL.
10. RATCHET CLAMP AT ALL BARBED CONNECTIONS, ANTELCO PART NO. 44345.
11. INSERT ADAPTER, ANTELCO "XPANDO" PART NO. 45595.
12. ANTELCO "CAPO: RUBBER GROMMET, NO. 45735.
13. DRILL 5/8" HOLE IN PVC LATERAL PIPE WHERE REQUIRED. YOU MUST USE A "FORSTNER" DRILL BIT FOR DRILLING INTO PVC. REMOVE ANY EXCESS BURRS OR ROUGH EDGES.



8 REMOTE CONTROL VALVE (DRIP)

NTS JAX-O9-05



SLOPE CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP 2/3 OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 1/3 OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM 1/3 ON A SEPARATE VALVE.

MAXIMUM LATERAL LENGTH (FEET)	
EMITTER FLOW RATE GPH	
PSI	18" SPACING 0.6
15	314
20	353
30	413
40	465
50	528
60	596

9 TYPICAL DRIPLINE LAYOUT

NTS JAX-O9-27

10 TREE RING DRIPLINE IRRIGATION

N.T.S. JAX-O9-04

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO CO.01 SIGNATURE SHEET

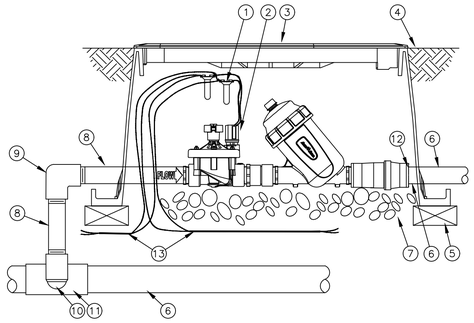
KHA PROJECT 142806005	
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.51 January 08, 2025 10:39:31am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

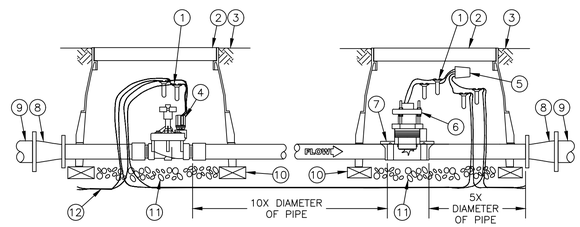


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. THE LCDR KIT INCLUDES A PESB-R VALVE AND DISC FILTER FOR RECLAIMED WATER USE.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20 (TWO REQUIRED)
2. RAIN BIRD DRIP KIT: XCZ-150-LCDR WITH IVM-SOL
3. VALVE BOX WITH COVER: RAIN BIRD VB-JUMBO
4. FINISH GRADE OR TOP OF MULCH
5. BRICK (1 OF 4)
6. PVC PIPE
7. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
8. PVC SCH 80 NIPPLE 1 1/2"
9. PVC SCH 80 ELBOW
10. PVC SCH 80 NIPPLE (2" LENGTH, HIDDEN) AND PVC SCH 80 ELBOW
11. PVC SCH 80 TEE OR ELBOW
12. PVC SCH 40 MALE ADAPTER
13. TWO-WIRE CABLE BETWEEN DEVICES

1 XCZ-150-LCDR WITH IVM-SOL

NTS JAX-09-20



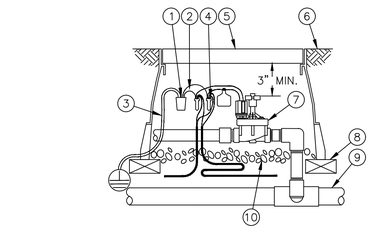
NOTE:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20
2. VALVE BOX WITH COVER: RAIN BIRD VB-STD
3. FINISH GRADE/TOP OF MULCH
4. NORMALLY CLOSED MASTER VALVE: RAIN BIRD PEB OR PGA WITH IVM
5. RAIN BIRD IVM-SEN
6. FLOW SENSOR: RAIN BIRD FS SERIES
7. DOUBLE-STRAP SADDLE
8. CONCENTRIC REDUCER
9. PVC MAINLINE PIPE
10. BRICK (1 OF 4)
11. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
12. TWO-WIRE CABLE BETWEEN DEVICES

NOTE:
1. REFER TO RAIN BIRD TECHNICAL DATA FOR FLOW SENSOR INSTALLATION BASED ON PIPE SIZING PARAMETERS.

2 MASTER VALVE WITH IVM-SOL AND FLOW SENSOR WITH IVM-SEN

NTS JAX-09-19

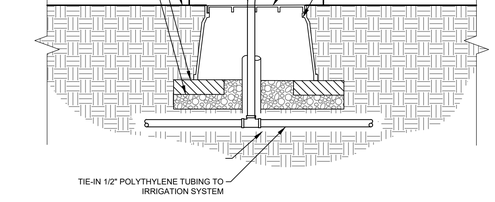


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. ONE IVM-SD IS REQUIRED EVERY 500 FEET OR EVERY 15 FIELD DEVICES.

1. RAIN BIRD IVM-SD SURGE DEVICE
2. CONNECT THE RED AND BLACK WIRES ON THE IVM-SD TO THE TWO-WIRE PATH
3. CONNECT THE GREEN WIRES FROM THE IVM-SD TO THE GROUNDING ROD OR PLATE
4. WATERPROOF CONNECTION RAIN BIRD WC20 (TWO REQUIRED)
5. VALVE BOX WITH COVER: RAIN BIRD VB-STD
6. FINISH GRADE/TOP OF MULCH
7. ELECTRIC REMOTE-CONTROL VALVE
8. BRICK (1 OF 4)
9. PVC MAINLINE PIPE
10. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
11. TWO-WIRE CABLE BETWEEN DEVICES

3 ELECTRIC REMOTE-CONTROL VALVE WITH IVM-SOL AND IVM-SD (SURGE DEVICE)

NTS JAX-09-18



4 DRIP RING IN PLANTER

NTS JAX-FE-24

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETIALS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L2.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.52 January 08, 2025 10:39:36am K:\JAX_LAI\PV\142806005 — fernandina beach streetscape\working files\CAD\xlsx sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL NOTES:

1. THE SUBMISSION OF A BID BY THE CONTRACTOR IS NOTIFICATION THAT THE CONTRACTOR HAS TOTALLY FAMILIARIZED HIMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING SITE CONDITIONS AND HAS AGREED TO PROVIDE THE NECESSARY LABOR AND MATERIAL FOR THE COMPLETE INSTALLATION OF EACH SYSTEM IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST PRACTICES OF THE INDUSTRY AND IN COMPLIANCE WITH ALL AUTHORITIES HAVING JURISDICTION.
2. THESE DRAWINGS ARE PRESENTED TO THE CONTRACTOR WITH THE UNDERSTANDING THAT THE CONTRACTOR IS AN EXPERT AND COMPETENT IN THE PREPARATION OF CONTRACT BID PRICES ON THE BASIS OF INFORMATION SUCH AS IS CONTAINED IN THESE DOCUMENTS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION AND IN COMPLETE CONFORMANCE WITH ALL APPLICABLE CODES, RULES, AND REGULATIONS. MINOR ITEMS NOT USUALLY SHOWN OR SPECIFIED, BUT MANIFESTLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE VARIOUS SYSTEMS, SHALL BE INCLUDED IN THE WORK AND IN THE PROPOSAL THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO DEPARTURES SHALL BE MADE WITHOUT PRIOR APPROVAL.
3. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.
4. THE DRAWINGS INDICATE ARRANGEMENTS AND APPROXIMATE SIZES AND RELATIVE LOCATIONS OF PRINCIPAL APPARATUS, EQUIPMENT, DEVICES, AND SERVICES TO BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND ARE A GRAPHIC REPRESENTATION OF CONTRACT REQUIREMENTS BASED ON THE INFORMATION PROVIDED BY THE MANUFACTURER IDENTIFIED IN THE EQUIPMENT SCHEDULE AT THE SCALE INDICATED.
5. LAYOUT OF EQUIPMENT INDICATED ON THE DRAWINGS SHALL BE CHECKED AND COMPARED AGAINST ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND EXACT LOCATIONS DETERMINED USING APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT. WHERE PHYSICAL INTERFERENCES OCCUR, CONSULT WITH THE OWNER AND PREPARE DATED, DIMENSIONED DRAWINGS COORDINATED WITH ALL OTHER TRADES WORKING IN THIS AREA AND CORRECTING SUCH INTERFERENCE.
6. THE CONTRACTOR SHALL SCHEDULE THEIR WORK IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE SO THAT ALL OF THEIR WORK CAN BE INSTALLED WITHOUT DELAYING THE PROJECT. ALL WORK RELATED TO SHUTDOWN OF EXISTING SERVICES SHALL BE PERFORMED AT THE HOURS DESIGNATED BY THE OWNER WITH ALL ASSOCIATED COSTS BORNE BY THE CONTRACTOR AT NO COST TO THE OWNER. PROVIDE ANY TEMPORARY FACILITIES REQUIRED TO PERMIT OWNER'S USE OF EXISTING FACILITIES AND SYSTEMS TO REMAIN UNDISTURBED. COORDINATE ALL WORK, INCLUDING ALL SHUTDOWNS THAT AFFECT SYSTEMS AND/OR PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION, WITH OWNER.
7. THE CONTRACTOR SHALL SECURE AND PAY ALL FEES, LICENSES, INSPECTIONS, AND PERMITS PERTAINING TO THE CONTRACT. SUBMIT TO OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM APPROVED INSPECTION AGENCY.
8. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORKMEN'S IDENTIFICATION AND BADGING, SAFETY AND FIRE PROTECTION, BARRICADES, WARNING SIGNS, TRASH REMOVAL, CUTTING AND PATCHING.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND WITHOUT BLEMISH OR DEFECT. ALL EQUIPMENT INSTALLED SHALL BEAR THE LABEL OF AN APPROVED AGENCY.
11. THE CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT, AND TRANSFER TO POINT OF INSTALLATION FOR ALL FURNISHED ITEMS.
12. WHERE CONDUIT, CABLES, DUCTWORK, OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE PENETRATION SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THIS SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER TO MAINTAIN THE UL LISTED FIRE RATING OF THE PENETRATED WALL OR FLOOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB OPENINGS, WALL OPENINGS, BEAM PENETRATIONS, AND CORING AS IT RELATES TO THEIR WORK. THE CONTRACTOR SHALL SUBMIT SIZE AND LOCATION FOR REVIEW AND APPROVAL.
14. ALL EXTERIOR WALL OPENINGS SHALL BE SLEEVED, PROPERLY CAULKED, AND SEALED WITH A HIGH QUALITY SEALANT TO PREVENT INFILTRATION OF MOISTURE AND OUTSIDE AIR.
15. THE CONTRACTOR SHALL SUBMIT SCHEDULE OF SUBMITTALS PRIOR TO SUBMITTING ANY SHOP DRAWINGS, ETC. TO BE SUBMITTED FOR THIS PROJECT, INCLUDING THE ANTICIPATED DATE OF EACH SUBMISSION. CONTRACTORS SHALL SUBMIT AN ELECTRONIC COPY OF THE COMPLETE SHOP DRAWINGS AND CATALOG CUTS, WIRING DIAGRAMS AND ASSOCIATED DATA TO THE OWNER FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT OR STARTING ANY WORK. ANY WORK INSTALLED OR EQUIPMENT PURCHASED PRIOR TO RECEIPT OF OWNER APPROVED SUBMITTALS SHOP DRAWINGS THAT REQUIRES CHANGES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
16. SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE CONTRACTOR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS.
17. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL SUPPLY THE OWNER WITH (3) COMPLETE BOUND COPIES OF ALL OWNER APPROVED SUBMITTALS AND ALL OPERATION AND MAINTENANCE MANUALS
18. ALL WORK FURNISHED UNDER THE CONTRACT SHALL BE GUARANTEED AGAINST ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION, UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS, AND ANY DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED AND ANY DEFECTIVE MATERIAL REPLACED WITHOUT ADDITIONAL COST TO THE OWNER.
19. INSTALLED SYSTEMS SHALL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT SOUND OR VIBRATION THAT IS OBJECTABLE TO THE OWNER, OBJECTABLE SOUND OR VIBRATION CONDITIONS DUE TO WORKMANSHIP SHALL BE CORRECTED IN APPROVED MANNER BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
20. THE CONTRACTOR SHALL SIMILARLY NOTIFY OWNER OF COMPLETION OF ALL WORK, INDICATING THE CONTRACTOR IS READY FOR THE OWNER TO PERFORM THE FINAL PUNCHLIST INSPECTION.
21. UPON COMPLETION OF ALL UNFINISHED OR FAULTY WORK NOTED IN THE OWNER'S FINAL PUNCH LIST, THE CONTRACTOR SHALL SUBMIT TO THE OWNER IN WRITING A LETTER OF COMPLETION CERTIFYING THAT ALL PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ALL AS-BUILTS, MANUALS, ETC. HAVE BEEN SUBMITTED.
22. SHOULD A CONTRACTOR REQUIRE REMOVAL, RELOCATION, OR REROUTING OF ANOTHER TRADE'S WORK THAT IS NOT INDICATED ON DRAWINGS, THE CONTRACTOR REQUIRING SUCH WORK SHALL BE RESPONSIBLE FOR THAT WORK, AND PAY ALL REQUIRED COSTS.
23. ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEMS, EQUIPMENT, AND MATERIALS SHALL BE REVIEWED WITH THE OWNER BEFORE BEGINNING WORK.
24. DEFINITION: UNLESS OTHERWISE NOTED, ALL WORK SPECIFIED HEREIN OR NOTED ON DRAWINGS, SHALL BE BY THE CONTRACTOR. THE TERM "PROVIDE" WHENEVER ENCOUNTERED ON DRAWINGS OR IN THESE SPECIFICATIONS, SHALL MEAN "FURNISH AND INSTALL."
25. CODES AND STANDARDS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND FIRE INSURANCE CARRIER'S REQUIREMENTS.
26. MATERIALS: ALL MATERIALS FURNISHED BY THIS CONTRACTOR, SHALL BE NEW AND BEAR THE LABEL OR LISTING OF A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.
27. OUTLET AND SWITCH BOXES: PROVIDE AND INSTALL OUTLET BOXES OF PROPER TYPE AND SIZE AS REQUIRED AT ALL OUTLETS WHERE SHOWN. SECURED FIRMLY IN PLACE AND SET TRUE AND SQUARE AND FLUSH WITH THE FINISHED SURFACE.
28. WIRING: WIRES SHALL BE COPPER AND RATED FOR THE LOCATIONS IN WHICH THEY ARE INSTALLED. ALL RACEWAYS ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION TO BE DETERMINED ON THE JOB. CONTRACTOR SHALL ARRANGE ALL NEW CIRCUITS IN PANELS SO AS TO BALANCE THE LOAD ON ALL PHASES.
29. A TYPED DIRECTORY CARD SHALL BE PROVIDED IN EACH PANEL WITH ADDED CIRCUITS TO INDICATE THE LOADS ACTUALLY SERVED.
30. GROUNDING: SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 250. PROVIDE GROUND WIRES AS REQUIRED AND RESIZE CONDUIT IF NECESSARY.
31. DEMONSTRATION OF COMPLETE ELECTRICAL SYSTEMS: UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF APPROVAL FROM THE RESPECTIVE INSPECTION AGENCIES. CONTRACTOR SHALL NOTIFY AND MAKE ALL THE NECESSARY ARRANGEMENTS WITH THE INSPECTING AGENCY AND LOCAL AUTHORITIES SO THAT INSPECTION MAY BE CARRIED OUT AT THE PROPER TIME.

LEGEND

SYMBOL	TYPE	MODEL NUMBER	MOUNTING HEIGHT	MOUNTING TYPE	DESCRIPTION	WATTAGE
	TYPE T1	CN55P1A-FGC-T3MB1A-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T2	SN21P1-FGC-T1-P10-30K	14'	POLE MOUNTED	SINGLE	22W
	TYPE T3	CN55P1A-FGC-T3HS-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T4	DSX1-LED-P3-30K-80CRI-T4M-MVOLT -SPA-PER7-DBLXD	18.5'	POLE MOUNTED	SINGLE	N/A
E	NEW PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
C	NEW COMMUNIATIONS PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	LOAD CENTER (LC)	LOAD CENTER	N/A	N/A	N/A	N/A
	EXISTING PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	NEW RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A
	SPECIAL RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A

COMMUNICATION CONDUIT

ELECTRICAL CONDUIT

UGE EXISTING ELECTRICAL CONDUIT

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: JM
CHECKED BY: MAJ

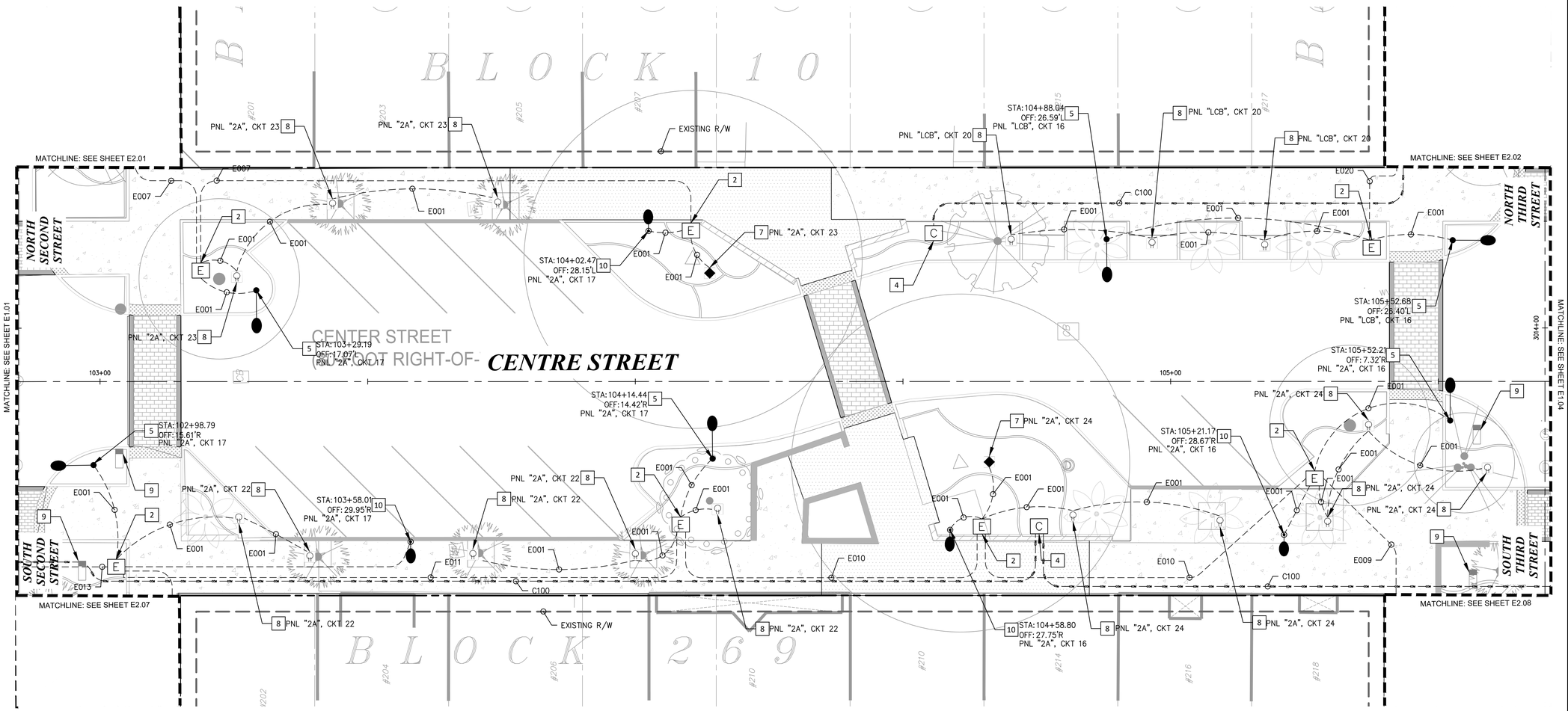
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

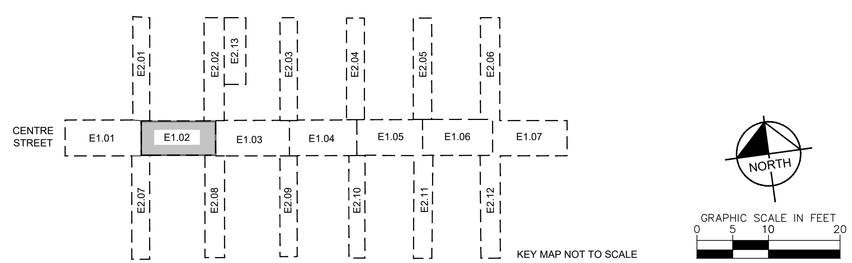
SHEET NUMBER
E0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E0.00 January 08, 2025 10:39:56am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCTION NOTES

2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
5. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
7. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP WITH ABOVE GROUND CONDUIT. SEE DETAIL A ON PAGE E3.01.
8. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.
9. EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.
10. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CD.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	JM
CHECKED BY:	MAJ

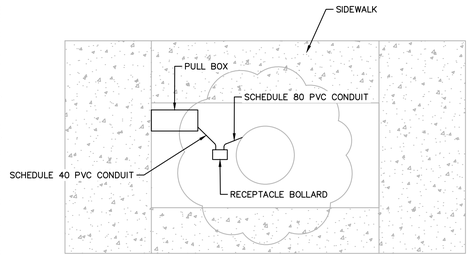
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

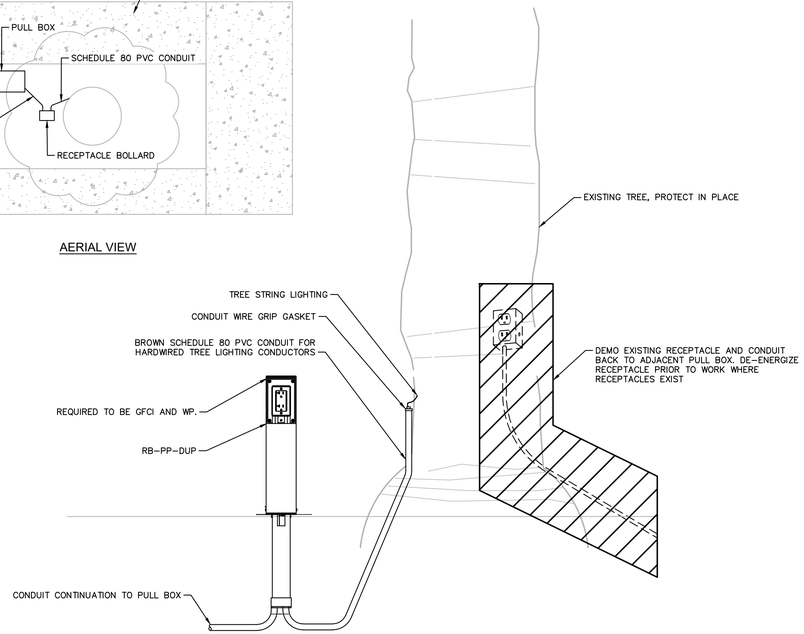
CITY OF FERNANDINA BEACH

SHEET NUMBER
E1.02

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E1.02 January 08, 2025 10:40:22am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

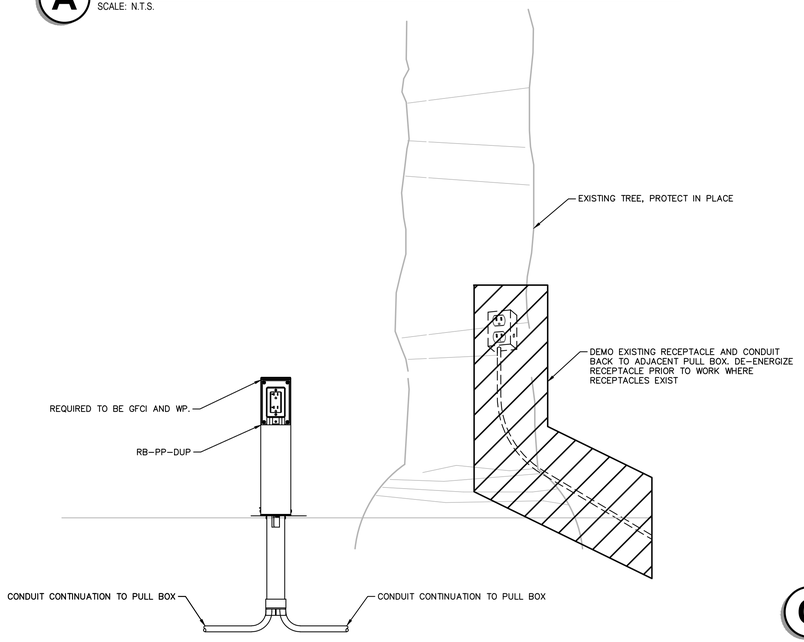


AERIAL VIEW



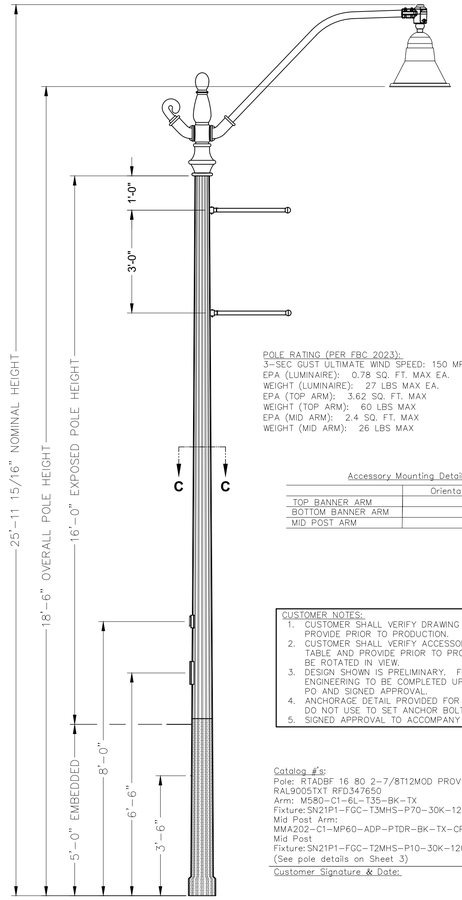
A TYPICAL HERITAGE TREE RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



B TYPICAL RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



POLE RATING (PER FBC 2023):
3-SEC GUST ULTIMATE WIND SPEED: 150 MPH MAX
EPA (LUMINAIRE): 0.78 SQ. FT. MAX EA.
WEIGHT (LUMINAIRE): 27 LBS MAX EA.
EPA (TOP ARM): 3.62 SQ. FT. MAX
WEIGHT (TOP ARM): 60 LBS MAX
EPA (MID ARM): 2.4 SQ. FT. MAX
WEIGHT (MID ARM): 26 LBS MAX

Accessory Mounting Detail

	Orientation
TOP BANNER ARM	
BOTTOM BANNER ARM	
MID POST ARM	

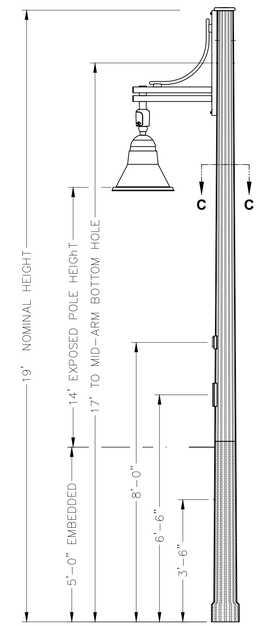
CUSTOMER NOTES:
1. CUSTOMER SHALL VERIFY DRAWING DETAILS AND PROVIDE PRIOR TO PRODUCTION.
2. CUSTOMER SHALL VERIFY ACCESSORY LOCATION IN TABLE AND PROVIDE PRIOR TO PRODUCTION. MAY BE ROTATED IN VIEW.
3. DESIGN SHOWN IS PRELIMINARY. FINAL ENGINEERING TO BE COMPLETED UPON RECEIPT OF PO AND SIGNED APPROVAL.
4. ANCHORAGE DETAIL PROVIDED FOR VISUAL ONLY – DO NOT USE TO SET ANCHOR BOLTS.
5. SIGNED APPROVAL TO ACCOMPANY PO.

Catalog #'s:
Pole: RTADBF 16 80 2-7/8T12MOD PROV GFI 2BA
RAL9005TXT RFD347650
Arm: M580-C1-6L-T35-BK-TX
Fixture: SN21P1-FGC-T3MHS-P70-30K-120-10KV-ADS-PTDR-BK-TX
Mid Post Arm:
MMA202-C1-MP60-ADP-PTDR-BK-TX-CP6786
Mid Post
Fixture: SN21P1-FGC-T2MHS-P10-30K-120-10KV-ADP-PTDR-DIM-BK-TX
(See pole details on Sheet 3)

Customer Signature & Date:

C TYPICAL STREET LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.



D TYPICAL PEDESTRIAN LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

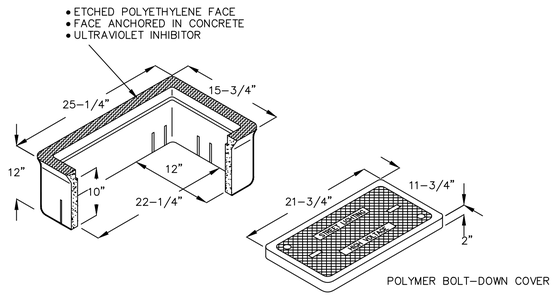
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

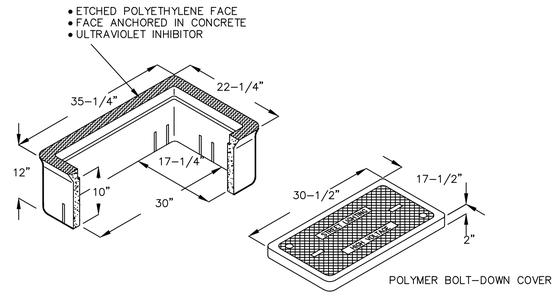
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.01

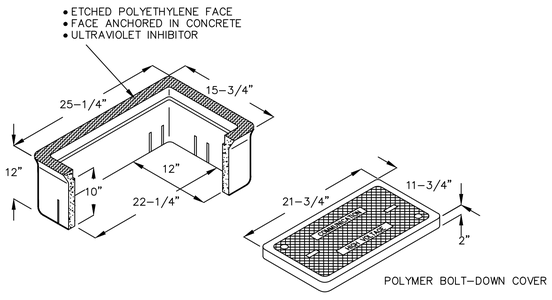
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.01 January 08, 2025 10:46:34am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



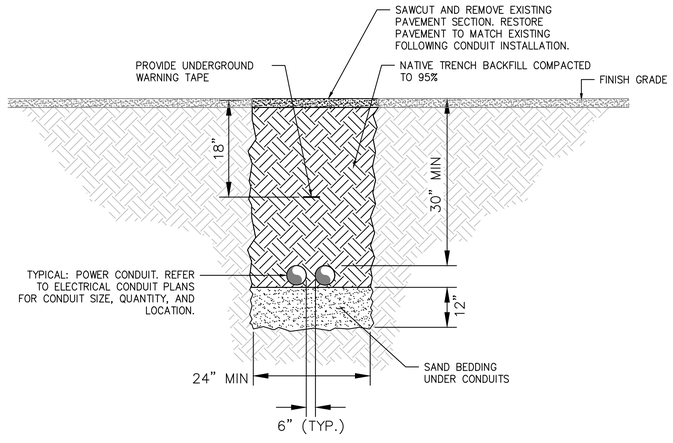
E **TYPICAL NO.5 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



F **TYPICAL NO.7 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



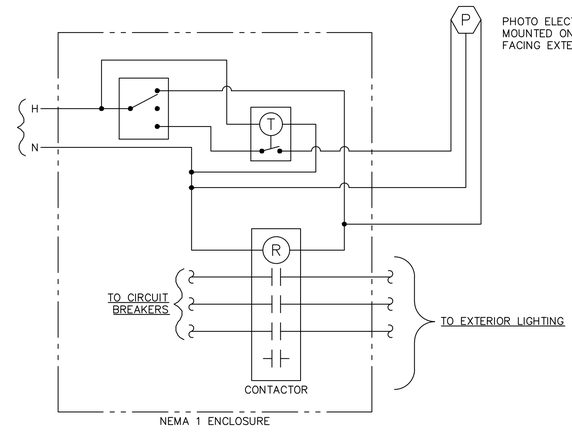
G **TYPICAL COMMUNICATION NO.5 PULL-BOX INSTALLATION DETAIL**
SCALE: N.T.S.



NOTES:

1. ADJUST MINIMUM TRENCH WIDTH TO ACCOMMODATE SPECIFIED CONDUITS IN TRENCH MAINTAINING SEPARATION INDICATED.
2. CEC TABLE 300.5 REQUIRES MINIMUM COVER OF 24" BELOW GRADE UNDER PARKING LOTS AND ROADWAYS. PROVIDE 30" MINIMUM COVER AS INDICATED IN THESE LOCATIONS.
3. CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS INDICATED OTHERWISE ON PLAN VIEW.

Z **TRENCH DETAIL**
SCALE: N.T.S.



H **TYPICAL LIGHTING CONTACTOR AND CONTROL DETAIL**
SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.02 January 08, 2025 10:46:18am K:\JAX_LAND\142806005 – Fernandina beach streetscape\working files\CAD\plan sheets\ES.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E001	1"	NEW	1	(2) #10 AWG CONDUCTORS AND (1) #10 GROUND	ALL	ALL	All connections from pullbox to fixture
E002	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	15	Park Lighting
E003	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	14, 15, 20	South Street Lighting, Park Lighting, Street Receptn
E004	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	19, 21	North Street Lighting, Street Receptn
E005	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 21, 23	Center & North 2nd Steet Lighting, Street Receptn
E006	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	18	North 2nd Street Lighting
E007	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 23	North Street Lighting, Street Receptn
E008	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 23	North Street Lighting, Street Receptn
E009	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16	South 3rd Street Lighting
E010	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 24	Center & South 3rd Street Lighting, Street Receptn
E011	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 17, 22, 24	Center & South 3rd Street Lighting, Street Receptn
E012	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13	South 2nd Street Street Lighting
E013	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 16, 17, 22, 24	Center, South 2nd &3rd Street Lighting, Street Receptn
E014	3"	NEW	1	(12) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 20, 21, 23	Street Lighting, Street Receptn
	3"	NEW	1	(14) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 14, 15, 16, 17, 22, 24	Street Lighting, Street Receptn
E020	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 20	Center Street Lighting, Street Receptn
E021	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	17	North 3rd Street Lighting
E022	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E023	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 17, 20	Center and North 3rd Street Lighting, Street Receptn
E024	2"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCB	22	
E025	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E026	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E027	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E028	3"	NEW	1	(4) #6 AWG CONDUCTORS	LCB	19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E029	3"	NEW	1	(6) #6 AWG CONDUCTORS	LCB	16, 19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E030	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
E031	1"	NEW	1	(2) #8 AWG CONDUCTORS AND (1) #8 GROUND	LCB	24	Library Parking Lot Lighting
E032	3"	NEW	1	(12) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21, 24	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E042	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6GROUND	LCC	16	North East 5th Street Lighting
E043	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16	North East 5th Street Lighting
E044	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16, 21	Center & North 5th Street Lighting, Receptn
E045	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14	North East 6th Street Lighting
E046	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
E047	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	14	North East 6th Street Lighting
E048	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCC	20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E049	3"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
				(4) #6 AWG CONDUCTORS	LCC	17, 20	Center, North 5th & 6th Street Lighting, Receptn
E050	3"	NEW	1	(8) #6 AWG CONDUCTORS	LCC	13, 17, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E051	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	13	North East 7th Street Lighting
E052	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17	Center Street Lighting
E053	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17, 18	Center Street Lighting, Receptn
E054	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCC	13, 17, 18, 19, 20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn
E055	2"	NEW	1	(10) #6 AWG CONDUCTORS (1) #6 GROUND	LCC	13, 17, 18, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E060	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12	South East 3rd Street Lighting
E061	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12, 16	South East 3rd Street Lighting, Receptn
E062	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E063	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E064	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	South West 5th Street Lighting
E065	2"	NEW	1	(4) #6 AWG CONDUCTORS	LC3	15, 18	South West 5th & Center Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	
E066	2"	NEW	1	(6) #6 AWG CONDUCTORS	LC3	11, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South West 5th & Center Street Lighting, Receptn
E067	2"	NEW	1	(8) #6 AWG CONDUCTORS	LC3	11, 13, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South 4tth, 5th & Center Street Lighting, Receptn
E068	3"	NEW	1	(10) #6 AWG CONDUCTORS	LC3	11, 13, 15, 16, 17	South 4tth, 5th & Center Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12, 14, 18	South East 3rd Street & Center Lighting, Receptn
E069	2"	NEW	1	(2) #6 AWG CONDUCTORS	LC3	16	South East 3rd Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12	
E070	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	13	Center &South East 5th Street Lighting
E071	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	13, 14	Center &South East 5th Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS	LC4	18	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	
E072	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	9	South 6th Street Lighting
E073	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	10	South 7th Street Lighting
E074	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	11	Center Street Lighting
E075	2"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	11, 17	Center Street Lighting, Receptn
E076	2"	NEW	1	(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center, South 6th & 7th Street Lighting, Receptn
E077	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	12, 15	Center, South 6th & 7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	
E078	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	9, 12, 15	Center &South7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center & South 6th Street Lighting, Receptn
E079	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	12, 13, 14, 15	Center, South 5th & 7th Street Lighting, Receptn
	3"	NEW	1	(10) #4 AWG CONDUCTORS	LC4	10, 11, 16, 17, 18	Center, South & 6th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting
E080	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	20	North West 5th Street Lighting
E081	2"	NEW	1	(2) #4 AWG CONDUCTORS	LC4	18	Center & North West 5th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting

SITE COMMUNICATION CONDUIT SCHEDULE					
CONDUIT				CABLE	REMARKS
PATH NO.	SIZE	STATUS	QTY		
C100	3"	NEW	1	PULL STING	All connections from pullbox to pullbox

P CONDUIT AND CONDUCTOR SCHEDULE

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING CUTSHEETS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.04 January 08, 2025 10:46:41am K:\JAX_LAL\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.03 January 08, 2025 10:46:46am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00_LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

PANEL NAME (NEW): LC C

LOCATION: NORTH 7TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 125 A
MCB RATING: 125 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1			125	2					1	20	L	LIGHTS	2
3	MAIN								1	20	L	LIGHTS	4
5									1	20	L	LIGHTS	6
7	WEST POWER PEDESTALS	R	100	2					1	20	R	CONTACTOR	8
9									1	20	R	SPRINKLER/TIME CLOCK ON PEDESTAL	10
11	EAST POWER PEDESTALS	R	60	2					1	20	R	CONTACTORS	12
13	**LIGHTING N 7TH**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 6TH**	14
15	SPACE							1,425	1	20	L	**LIGHTING CENTER**	16
17	**LIGHTING CENTER**	L	20	1	1,425	1,260			1	20	R	**CENTER RECEPTACLES**	18
19	**CENTER RECEPTACLES**	R	20	1			1,080	1,080	1	20	R	**CENTER RECEPTACLES**	20
21	**CENTER RECEPTACLES**	R	20	1	1,260							SPACE	22
23	SPACE	R	20	1								SPACE	24
					TOTAL LOAD:		6,395 VA		TOTAL LOAD:			3,585 VA	
					TOTAL AMPS:		53.3 A		TOTAL AMPS:			29.9 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	9980
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11305
RECEPTACLE (R)	4680.0	100.00%	4680.0	TOTAL CONN. (A):	41.6
LIGHTING (L)	5300.0	125.00%	6625.0	TOTAL EST. DEMAND (A):	47.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	38%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

NOTES:
REMOVE THE EXISTING ELECTRICAL PANEL AND CAREFULLY DISCONNECT ALL ASSOCIATED WIRING. INSTALL A NEW 120/240V, 1-PHASE, 200A NEMA 1 DISTRIBUTION PANEL IN THE SAME LOCATION. REPLACE EXISTING BREAKERS WITH NEW BREAKERS MATCHING THE SPECIFICATIONS, RATINGS, AND CONFIGURATIONS OF THE ORIGINAL BREAKERS TO PROTECT ALL EXISTING CIRCUITS. RECONNECT ALL EXISTING WIRING TO THE NEW PANEL IN ACCORDANCE WITH THE ORIGINAL CONFIGURATION, ENSURING COMPLIANCE WITH NEC AND LOCAL ELECTRICAL CODES. TEST THE PANEL AND BREAKERS FOR PROPER OPERATION, AND PROVIDE AS-BUILT DOCUMENTATION, INCLUDING AN UPDATED PANEL SCHEDULE.

I PANEL LCC PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 4

LOCATION: SOUTH 6TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHT	L	30	1					1	30	L	STREET LIGHT	2
3	PHOTO CELL	R	20	1					1	30	L	STREET LIGHT	4
5	OUTLET BELOW	R	20	1					1	20	L	LIGHT IN THIS CABINET	6
7	EXISTING	L	20	1					1	20	R	IRRIGATION TIME CLOCK	8
9	**LIGHTING SOUTH 6TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 7TH**	10
11	**LIGHTING CENTER (EAST)**	L	20	1			1,625	1,135	1	20	L	**LIGHTING CENTER**	12
13	**LIGHTING CENTER**	L	20	1	1,825	1,260			1	20	R	**RECEPTACLES W 6TH**	14
15	**RECEPTACLES E 6TH**	R	20	1			1,260	1,260	1	20	R	**RECEPTACLES E 7TH**	16
17	**RECEPTACLES E 7TH**	R	20	1	720							SPACE	18
19	SPACE											SPACE	20
					TOTAL LOAD:		6,010 VA		TOTAL LOAD:			5,280 VA	
					TOTAL AMPS:		50.1 A		TOTAL AMPS:			44 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	11290
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	12987.5
RECEPTACLE (R)	4500.0	100.00%	4500.0	TOTAL CONN. (A):	47
LIGHTING (L)	6790.0	125.00%	8487.5	TOTAL EST. DEMAND (A):	54.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	27%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

J PANEL LC4 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 3

LOCATION: SOUTH 4TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	2
3	STREET LIGHTS	L	20	1					1	30	L	STREET LIGTHS	4
5	OUTLET BELOW	R	20	1					1	20	L	STREET LIGTHS	6
7	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	8
9	STREET LIGHTS	L	30	1					1	20	R	SPRINKLER/FOUNTAIN TIME CLOCK	10
11	FOUNTAIN	M	20	1			1,600	1,180	1	20	L	**LIGHTING SOUTH 3RD**	12
13	**LIGHTING SOUTH 4TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 5TH**	14
15	**LIGHTING CENTER**	L	20	1			1,335	1,080	1	20	R	**RECEPTACLES S CENTER**	16
17	**RECEPTACLES S CENTER**	R	20	1	1,260	900			1	20	R	**RECEPTACLES S CENTER**	18
19	SPACE											SPACE	20
					TOTAL LOAD:		4,365 VA					5,195 VA	
					TOTAL AMPS:		36.4 A					43.3 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	1600.0	125.00%	2000.0	TOTAL CONN. LOAD (VA):	9560
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11140
RECEPTACLE (R)	3240.0	100.00%	3240.0	TOTAL CONN. (A):	39.8
LIGHTING (L)	4720.0	125.00%	5900.0	TOTAL EST. DEMAND (A):	46.4
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	23%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

K PANEL LC3 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING) : LC B

LOCATION: NORTH 3RD ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	POWER PEDISTAL	R	100	2					1	30	L	N. 3RD STREET LIGHTS	2
3									1	30	L	LIGHTS	4
5	LIGHTS	L	30	1					1	30		EXISTING	6
7	LIBRARY PARKING LIGHTS	L	30	1					1	20		EXISTING	8
9	EXISTING		20	1					1	20		EXISTING	10
11	EXISTING		20	1					2	30		EXISTING	12
13			100	2									14
15	EXISTING							980	1	20	L	**LIGHTING CENTER ST**	16
17	**LIGHTING N 3RD**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 4TH**	18
19	**LIGHTING CENTER ST**	L	20	1			890	540	1	20	R	**RECEPTACLES W 3RD**	20
21	**RECEPTACLES E 3RD**	R	20	1	1,080	1,440			1	20	R	**RECEPTACLES E 3RD**	22
23	**POWER PEDISTAL**	R	100	2				204	1	20	L	**LIBRARY PARKING LIGHTS**	24
25												SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		4,970 VA		TOTAL LOAD:			2,614 VA	
					TOTAL AMPS:		41.4 A		TOTAL AMPS:			21.8 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	7584
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	8715
RECEPTACLE (R)	3060.0	100.00%	3060.0	TOTAL CONN. (A):	31.6
LIGHTING (L)	4524.0	125.00%	5655.0	TOTAL EST. DEMAND (A):	36.3
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	18%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

L PANEL LCB PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 2/A

LOCATION: SOUTH 2ND & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

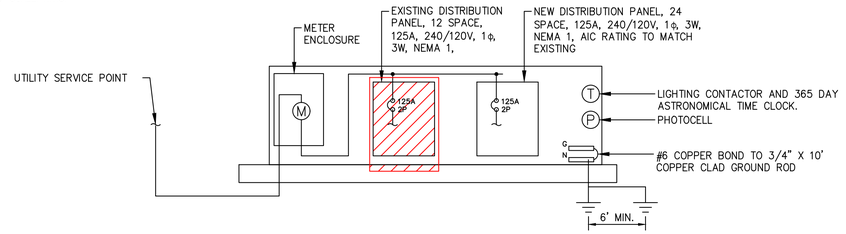
AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1		R	100	2					2	80	R		2
3	MAIN											PEDS. NORTH 2ND WEST SIDE	4
5	PED SOUTH 2ND	L	20	1					2	100	R		6
7	EAST WEST SIDE	L	20	1								PEDS NORTH 2ND CENTERE ST	8
9	PED SOUTH 2ND	L	20	1					1	20	L	STREET LIGHTS SOUTH WEST	10
11	EAST WEST	L	20	1					1	20	R	PHOTCELL BYPASS SWITCH	12
13	**LIGHTING SOUTH 2ND**	L	20	1	1,225	935			1	20	L	**LIGHTING SOUTH CENTRE**	14
15	**LIGHTING PARK**	L	20	1			729	1,129	1	20	L	**LIGHTING SOUTH 3RD**	16
17	**LIGHTING CENTRE**	L	20	1	1,129	1,225			1	20	L	**LIGHTING NORTH 2ND**	18
19	**LIGHTING NORTH CENTRE**	L	20	1			1,335	1,800	1	20	R	**RECEPTACLES S CENTER**	20
21	**RECEPTACLES N CENTER**	R	20	1	1,080	720			1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	22
23	**RECEPTACLES N CENTER (EAST OF 2ND)**	R	20	1			900	1,080	1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	24
25	**RECEPTACLES N CENTER**	R	20	1	900							SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		7,214 VA					6,973 VA	
					TOTAL AMPS:		60.1 A					58.1 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	14187
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	16113.75
RECEPTACLE (R)	6480.0	100.00%	6480.0	TOTAL CONN. (A):	59.1
LIGHTING (L)	7707.0	125.00%	9633.8	TOTAL EST. DEMAND (A):	67.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	67%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

M PANEL LC2/A PANEL SCHEDULE

SCALE: N.T.S.



N METER PEDESTAL SINGLE LINE DIAGRAM (PANEL LCC)

SCALE: N.T.S.

Panel Name	Existing Load (kW)	Removed Load (kW)	New Load (kW)	Total Load (kW)	Panel Capacity (kW)	Percent Loaded
Panel LCC	3.39	2.37	11.3	12.32	30	41%
Panel LC4	2.46	1.72	15.9	16.64	48	35%
Panel LC3	58.66	41.06	11.14	28.74	48	60%
Panel LCB	3.84	2.69	8.7	9.85	48	21%
Panel LC2A	1.67	1.17	16.11	16.61	48	35%

EXISTING LOADS WERE DETERMINED BASED ON THE PEAK ENERGY CONSUMPTION RECORDED DURING THE HIGHEST-USE MONTH IN THE BILLING HISTORY

O PANEL LOAD SUMMARY (ALL PANELS)

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.03

cyclone

Campana SN21P1
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

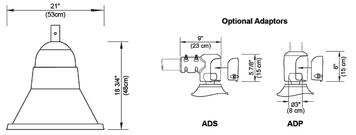
Ordering Code

Model	Lens	Distribution	Performance Package	CCT	Volts	Surge Protector
SN21P1	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 * Backward optic	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ACS	DIM 0-10 volts wire for external controls PND506 Program 50% for 6 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD* Field adjustable 10% increment step-dimming switch * Contact factory for wireless controls and more information regarding SD option.	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 0.78 ft² **Weight:** 23.6 lbs / 10.7 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 **www.cyclonelighting.com**
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2023 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2023/07

Q TYPE T2 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

cyclone

Campana CN55P1A
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

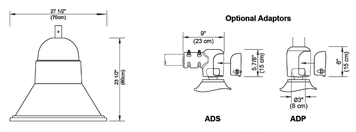
Ordering Code

Model	Lens	Distribution	Performance package	CCT	Volts	Surge protector
CN55P1A	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 TCW Crosswalk * Backward optic T3M81A	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm) P80 (17500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
– Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	– PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ADS	– DIM 0-10 volts wire for external controls PND506 Program 50% for 8 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD Field adjustable 10% increment step-dimming switch	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 1.25 ft² **Weight:** 55.3 lbs / 25.1 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 www.cyclonelighting.com
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2024 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2024/06

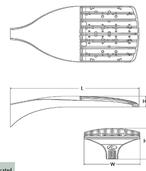
R TYPE T1 & T3 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

D-Series Size 1
LED Area Luminaire

dsx series

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Catalog Number
Notes
Type

Fill the Tab key or mouse over the page to see all interactive elements.

Introduction
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.
The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Design Select options indicated by this color background.

design select
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information
EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P6 P2 P7 P3 P8 P4 P9 P5 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare[2] T4M Type IV medium T4LG Type IV low glare[2] TFTM Forward throw medium T5M Type V medium T5G Type V low glare T5W Type V wide BLC3 Type III backlight control[3] BLC4 Type IV backlight control[3] LCCO Left corner cutoff[3] RCCO Right corner cutoff[3]	MVOLT (120V-277V)[4] HVOLT (347V-480V)[5,6] VHVOLT (277V-480V)[5,6] 120[4,36] 208[4,36] 240[4,36] 277[4,36] 347[4,36] 480[4,36]	**Shipped included** SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling[4] RPA5 Round pole mounting #5 drilling[4] SPA8N Square narrow pole mounting (#8 drilling) WBA Wall bracket[4] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options		Other options		Finish (required)	
Shipped installed		**Shipped installed**		DDBXD Dark Bronze	
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[7,11,35,37]	PER7 Seven-pin receptacle only (controls ordered separately)[8,37]	SPD20KV 20KV surge protection		DBLBD Black	
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[35,37]	FAO Field adjustable output[14,37]	HS Houseside shield (black finish standard)[37]		DNAXD Natural Aluminum	
PER NEMA twist-lock receptacle only (controls ordered separately)[8]	BL30 Bi-level switched dimming, 30%[9,37]	L90 Left rotated optics[1]		DWHXD White	
PERS Five-pin receptacle only (controls ordered separately)[8,37]	BL50 Bi-level switched dimming, 50%[9,37]	R90 Right rotated optics[1]		DDBTXD Textured dark bronze	
	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[37]	CCE Coastal Construction[35]		DBLBXD Textured black	
	DS Dual switching[10,11,37]	HA 50°C ambient operation[36]		DNATXD Textured natural aluminum	
		BAA Buy America(n) Act and/or Build America Buy America Qualified		DWHGXD Textured white	
		SF Single fuse (120, 277, 347V)[4]			
		DF Double fuse (208, 240, 480V)[4]			
		Shipped separately			
		EGSR External Glare Shield (reversible, field install required, matches housing finish)			
		BSDB Bird Spikes (field install required)			

LITHONIA LIGHTING
COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2011-2024 Acuity Brands Lighting, Inc. All rights reserved.

S TYPE T4 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

REVISIONS | DATE | BY | No.

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.05 January 08, 2025 10:46:53am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.06 January 08, 2025 10:47:05am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Panel LCC - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	15	120	1	0.11%	2
3	STA7014+73.40	2	13,336	NM	Copper	1	Set of	6	6.1	212	120	1	1.06%	3
4	STA7016+58.49	3	1,247	NM	Copper	1	Set of	6	4.066667	203	120	1	1.67%	4
5	STA7018+09.25	4	667	NM	Copper	1	Set of	6	2.033333	171	120	1	1.92%	5

Panel LCC - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.16667	340	120	1	1.67%	2
3	STA6015+06.01	2	1,308	NM	Copper	1	Set of	4	6.1	170	120	1	2.17%	3
4	STA6016+70.34	3	881	NM	Copper	1	Set of	6	4.066667	190	120	1	2.74%	4
5	STA6018+26.76	4	560	NM	Copper	1	Set of	6	2.033333	175	120	1	3.00%	5

Panel LCC - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA113+97.05	1	42,472	NM	Copper	1	Set of	4	8.316667	335	120	1	1.35%	2
3	STA113+38.13	2	1,327	NM	Copper	1	Set of	4	6.283333	108	120	1	1.67%	3
4	STA112+78.87	3	1,011	NM	Copper	1	Set of	6	4.25	185	120	1	2.25%	4
5	STA111+98.46	4	616	NM	Copper	1	Set of	6	2.216667	113	120	1	2.43%	5
6	STA5017+32.87	5	497	NM	Copper	1	Set of	6	2.033333	382	120	1	3.00%	6

Panel LCC - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	12.38333	53	120	1	0.48%	2
3	STA117+15.14	2	4,871	NM	Copper	1	Set of	6	6.283333	64	120	1	0.78%	3
4	STA117+98.92	3	2,354	NM	Copper	1	Set of	8	4.25	212	120	1	1.81%	4
5	STA118+30.81	4	642	NM	Copper	1	Set of	8	4.066667	160	120	1	2.56%	5
6	STA119+33.81	5	414	NM	Copper	1	Set of	8	2.033333	156	120	1	2.93%	6

Panel LCC - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 5	1	42,472	NM	Copper	1	Set of	8	10.5	179	120	1	2.16%	2
3	LCC RECEPTACLE 1	2	1,019	NM	Copper	1	Set of	10	3	119	120	1	2.82%	3
4	LCC RECEPTACLE 2	3	502	NM	Copper	1	Set of	10	1.5	29	120	1	2.90%	4

Panel LCC - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	10	9	52	120	1	0.86%	2
3	LCC PULL BOX 6	2	2,149	NM	Copper	1	Set of	10	4.5	104	120	1	1.72%	3
4	LCC RECEPTACLE 3	3	741	NM	Copper	1	Set of	10	3	25	120	1	1.85%	4
5	LCC RECEPTACLE 4	4	641	NM	Copper	1	Set of	10	1.5	49	120	1	1.99%	5

Panel LCC - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	234	120	1	1.54%	2
3	LCC RECEPTACLE 5	2	1,211	NM	Copper	1	Set of	10	4.5	116	120	1	2.50%	3
4	LCC RECEPTACLE 6	3	552	NM	Copper	1	Set of	10	3	39	120	1	2.72%	4
5	LCC RECEPTACLE 7	4	467	NM	Copper	1	Set of	10	1.5	32	120	1	2.80%	5

Panel LCC - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 8	1	42,472	NM	Copper	1	Set of	4	10.5	398	120	1	2.02%	2
3	LCC PULL BOX 9	2	1,123	NM	Copper	1	Set of	6	6	135	120	1	2.61%	3
4	LCC PULL BOX 10	3	739	NM	Copper	1	Set of	6	3	66	120	1	2.76%	4
5	LCC RECEPTACLE 8	4	633	NM	Copper	1	Set of	10	1.5	49	120	1	2.89%	5

T PANEL LCC VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LCB - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	8.133333	212	120	1	1.26%	2
3	LCB PULL BOX 2	2	1,332	NM	Copper	1	Set of	6	4.066667	99	120	1	1.56%	3
4	STA104+88.04	3	917	NM	Copper	1	Set of	6	2.033333	55	120	1	1.64%	4

Panel LCB - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.16667	19	120	1	0.14%	2
3	STA3015+16.35	2	11,274	NM	Copper	1	Set of	6	6.1	126	120	1	0.71%	3
4	STA3015+93.43	3	1,920	NM	Copper	1	Set of	6	4.066667	279	120	1	1.54%	4
5	STA3017+56.28	4	677	NM	Copper	1	Set of	6	2.033333	176	120	1	1.80%	5

Panel LCB - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	2	10.16667	454	120	1	1.46%	2
3	STA4016+04.97	8	835	NM	Copper	1	Set of	6	4.066667	88	120	1	2.20%	3
4	STA4017+66.55	3	667	NM	Copper	1	Set of	6	2.033333	177	120	1	2.47%	4
5	STA4015+16.88	2	1,540	NM	Copper	1	Set of	6	6.1	100	120	1	1.91%	5
6	STA4016+78.17	5	1,008	NM	Copper	1	Set of	6	4.066667	161	120	1	2.39%	6
7	STA4018+41.62	6	647	NM	Copper	1	Set of	6	2.033333	164	120	1	2.63%	7
8	P8 4TH STREET	2	1,540	NM	Copper	1	Set of	6	4.066667	160	120	1	1.94%	8

Panel LCB - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	4.433333	357	120	1	1.16%	2
3	LCB PULL BOX 4	2	801	NM	Copper	1	Set of	6	4.25	121	120	1	1.54%	3
4	LCB PULL BOX 6	3	601	NM	Copper	1	Set of	6	2.216667	40	120	1	1.60%	4
5	LCB PULL BOX 7	4	556	NM	Copper	1	Set of	6	0.183333	83	120	1	1.61%	5

Panel LCB - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE 1	1	42,472	NM	Copper	1	Set of	6	4.5	335	120	1	1.11%	2
3	LCB RECEPTACLE 2	2	853	NM	Copper	1	Set of	10	3	25	120	1	1.24%	3
4	LCB RECEPTACLE 3	3	722	NM	Copper	1	Set of	10	1.5	30	120	1	1.33%	4

Panel LCB - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 8	1	42,472	NM	Copper	1	Set of	6	9	270	120	1	1.78%	2
3	LCB PULL BOX 5	2	1,053	NM	Copper	1	Set of	6	1.5	115	120	1	1.91%	3

Panel LCB - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	4	12	445	120	1	2.58%	2
3	LCB PULL BOX 6	2	1,007	NM	Copper	1	Set of	4	7.5	34	120	1	2.70%	3
4	LCB RECEPTACLE 4	3	937	NM	Copper	1	Set of	6	3	91	120	1	2.90%	4
5	LCB RECEPTACLE 5	4	725	NM	Copper	1	Set of	10	1.5	20	120	1	2.96%	5
6	R1	3	937	NM	Copper	1	Set of	10	4.5	20	120	1	2.87%	6
7	R2	6	808	NM	Copper	1	Set of	10	3	16	120	1	2.96%	7
8	R3	7	728	NM	Copper	1	Set of	10	1.5	16	120	1	3.00%	8

Panel LCB - Circuit 23&25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE BOLLARD 1	1	42,472	NM	Copper	1	Set of	1	30	261	240	1	1.04%	2

Panel LCB - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 9	1	42,472	NM	Copper	1	Set of	6	1.7	102	120	1	0.13%	2
3	LCB LIGHT 1	2	2,679	NM	Copper	1	Set of	8	0.85	137	120	1	0.26%	3

U PANEL LCB VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC4- Circuit 9

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	8	10.16667	17	120	1	0.20%	2
3	STA6011+93.15	2	8,736	NM	Copper	1	Set of	8	6.1	105	120	1	0.94%	3
4	STA6010+44.34	3	1,479	NM	Copper	1	Set of	8	4.066667	170	120	1	1.73%	4
5	STA6009+63.82	4	631	NM	Copper	1	Set of	8	2.033333	101	120	1	1.97%	5

Panel LC4 - Circuit 10

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 1	1	42,472	NM	Copper	1	Set of	4	8.133333	377	120	1	1.48%	2
3	STA7012+89.95	2	1,184	NM	Copper	1	Set of	8	4.066667	204	120	1	2.44%	3
4	STA7010+75.45	3	517	NM	Copper	1	Set of	8	2.033333	227	120	1	2.97%	4

Panel LC4- Circuit 11

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.5	477	120	1	1.96%	2
3	LC4 PULL BOX 3	2	941	NM	Copper	1	Set of	4	6.283333	124	120	1	2.34%	3
4	STA118+61.55	3	750	NM	Copper	1	Set of	6	4.066667	120	120	1	2.69%	4
5	STA119+33.55	4	573	NM	Copper	1	Set of	6	2.033333	117	120	1	2.87%	5

Panel LC4 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	8	6.466667	220	120	1	1.64%	2
3	LC4 PULL BOX 5	2	833	NM	Copper	1	Set of	8	4.25	85	120	1	2.05%	3
4	STA116+16.09	3	604	NM	Copper	1	Set of	8	2.033333	124	120	1	2.34%	4

Panel LC4 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	6	10.71667	106	120	1	0.83%	2
3	LC4 PULL BOX 7	2	2,584	NM	Copper	1	Set of	6	8.5	140	120	1	1.71%	3
4	LC4 PULL BOX 8	3	1,153	NM	Copper	1	Set of	6	6.283333	86	120	1	2.10%	4
5	STA5013+17.45	4	861	NM	Copper	1	Set of	8	4.066667	84	120	1	2.49%	5
6	STA5011+58.93	5	621	NM	Copper	1	Set of	8	2.033333	175	120	1	2.90%	6

Panel LC4 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	8	10.5	108	120	1	1.30%	2
3	LC4 RECEPTACLE 1	2	1,663	NM	Copper	1	Set of	8	4.5	149	120	1	2.08%	3
4	LC4 PULL BOX 8	3	715	NM	Copper	1	Set of	10	3	95	120	1	2.60%	4

Panel LC4 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	10.5	214	120	1	1.65%	2
3	LC4 PULL BOX 5	2	1,320	NM	Copper	1	Set of	10	6	84	120	1	2.57%	3
4	LC4 RECEPTACLE 9	3	680	NM	Copper	1	Set of	10	1.5	121	120	1	2.90%	4

Panel LC4 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.5	480	120	1	2.44%	2
3	LC4 RECEPTACLE 6	2	935	NM	Copper	1	Set of	10	4.5	16	120	1	2.57%	3
4	LC4 RECEPTACLE 7	3	830	NM	Copper	1	Set of	10	3	47	120	1	2.83%	4
5	LC4 RECEPTACLE 8	4	623	NM	Copper	1	Set of	10	1.5	27	120	1	2.90%	5

Panel LC4 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 3	1	42,472	NM	Copper	1	Set of	4	6	618	120	1	1.79%	2
3	LC4 RECEPTACLE 3	2	730	NM	Copper	1	Set of	10	4.5	100	120	1	2.62%	3
4	LC4 RECEPTACLE 4	3	451	NM	Copper	1	Set of	10	3	34	120	1	2.80%	4
5	LC4 RECEPTACLE 5	4	399	NM	Copper	1	Set of	10	1.5	30	120	1	2.89%	5

Panel LC4 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	4	9	440	120	1	1.91%	2
3	LC4 RECEPTACLE 10	2	1,018	NM	Copper	1	Set of	10	6	20	120	1	2.13%	3
4	LC4 RECEPTACLE 11	3	868	NM	Copper	1	Set of	10	4.5	30	120	1	2.38%	4
5	LC4 RECEPTACLE 12	4	711	NM	Copper	1	Set of	10	3	31	120	1	2.55%	5
6	LC4 RECEPTACLE 13	5	599	NM	Copper	1	Set of	10	1.5	34	120	1	2.65%	6

Panel LC4 - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	2	12.2	440	120	1	1.70%	2
3	STA5015+33.99	2	1,587	NM	Copper	1	Set of	6	6.1	146	120	1	2.35%	3
4	STA5016+34.22	3	884	NM	Copper	1	Set of	6	4.066667	119	120	1	2.71%	4
5	STA5018+11.81	4	650	NM	Copper	1	Set of	6	2.033333	195	120	1	3.00%	5

Y PANEL LC4 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.06

Panel LC2A - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	12	120	1	0.09%	2
3	STA2012+27.34	2	15,457	NM	Copper	1	Set of	6	4.066667	270	120	1	0.88%	3
4	STA2010+41.29	3	1,009	NM	Copper	1	Set of	6	2.033333	197	120	1	1.19%	4

Panel LC2A - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.283333	89	120	1	0.41%	2
3	LC2A PULL BOX 3	2	3,042	NM	Copper	1	Set of	6	4.25	119	120	1	0.78%	3
4	LC2A PULL BOX 4	3	1,357	NM	Copper	1	Set of	6	4.066667	113	120	1	1.12%	4
5	STA100+16.77	4	889	NM	Copper	1	Set of	6	2.033333	52	120	1	1.20%	5

Panel LC2A - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	6.1	334	120	1	1.49%	2
3	LC2A PULL BOX 6	2	855	NM	Copper	1	Set of	6	4.066667	28	120	1	1.58%	3
4	STA100+93.57	3	791	NM	Copper	1	Set of	6	2.033333	28	120	1	1.62%	4

Panel LC2A - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	6.466667	323	120	1	1.53%	2
3	LC2A PULL BOX 8	2	884	NM	Copper	1	Set of	6	6.283333	80	120	1	1.90%	3
4	STA3012+76.00	3	711	NM	Copper	1	Set of	6	4.066667	105	120	1	2.21%	4
5	STA3010+73.28	4	566	NM	Copper	1	Set of	6	2.033333	218	120	1	2.54%	5

Panel LC2A - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.466667	86	120	1	0.41%	2
3	LC2A PULL BOX 9	2	3,140	NM	Copper	1	Set of	6	2.216667	155	120	1	0.66%	3
4	STA104+02.47	3	1,176	NM	Copper	1	Set of	6	0.183333	126	120	1	0.68%	4

Panel LC2A - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 10	1	42,472	NM	Copper	1	Set of	6	10.16667	167	120	1	1.25%	2
3	STA2014+97.22	2	1,677	NM	Copper	1	Set of	6	6.1	120	120	1	1.78%	3
4	STA2016+65.95	3	892	NM	Copper	1	Set of	6	4.066667	182	120	1	2.32%	4
5	STA2018+18.33	4	613	NM	Copper	1	Set of	6	2.033333	166	120	1	2.57%	5

Panel LC2A - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	6.65	133	120	1	0.65%	2
3	LC2A PULL BOX 12	2	2,085	NM	Copper	1	Set of	6	4.433333	128	120	1	1.06%	3
4	LC2A PULL BOX 13	3	1,089	NM	Copper	1	Set of	6	2.4	70	120	1	1.19%	4
5	LC2A PULL BOX 14	4	863	NM	Copper	1	Set of	6	2.216667	88	120	1	1.33%	5
6	STA100+29.48	5	685	NM	Copper	1	Set of	6	2.033333	25	120	1	1.37%	6

Panel LC2A - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	15	87	120	1	0.96%	2
3	LC2A PULL BOX 3	2	3,107	NM	Copper	1	Set of	6	9	116	120	1	1.72%	3
4	LC2A PULL BOX 4	3	1,389	NM	Copper	1	Set of	6	7.5	113	120	1	2.34%	4
5	LC2A RECEPTACLE 1	4	903	NM	Copper	1	Set of	10	3	15	120	1	2.43%	5
6	LC2A RECEPTACLE 2	5	810	NM	Copper	1	Set of	10	1.5	25	120	1	2.50%	6

Panel LC2A - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 13	1	42,472	NM	Copper	1	Set of	6	9	321	120	1	2.12%	2
3	LC2A RECEPTACLE 3	2	889	NM	Copper	1	Set of	10	3	95	120	1	2.64%	3
4	LC2A RECEPTACLE 4	3	518	NM	Copper	1	Set of	10	1.5	14	120	1	2.68%	4

Panel LC2A - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 15	1	42,472	NM	Copper	1	Set of	6	7.5	145	120	1	0.80%	2
3	LC2A PULL BOX 16	2	1,920	NM	Copper	1	Set of	6	4.5	118	120	1	1.19%	3
4	LC2A RECEPTACLE 5	3	1,081	NM	Copper	1	Set of	10	3	16	120	1	1.27%	4
5	LC2A RECEPTACLE 6	4	942	NM	Copper	1	Set of	10	1.5	36	120	1	1.37%	5

Panel LC2A - Circuit 23

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 17	1	42,472	NM	Copper	1	Set of	6	7.5	195	120	1	1.07%	2
3	LC2A PULL BOX 9	2	1,445	NM	Copper	1	Set of	10	6	49	120	1	1.61%	3
4	LC2A RECEPTACLE 7	3	902	NM	Copper	1	Set of	10	1.5	128	120	1	1.96%	4

Panel LC2A - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	318	120	1	2.10%	2
3	LC2A RECEPTACLE 8	2	898	NM	Copper	1	Set of	10	4.5	84	120	1	2.79%	3
4	LC2A RECEPTACLE 9	3	547	NM	Copper	1	Set of	10	3	24	120	1	2.92%	4
5	LC2A RECEPTACLE 10	4	492	NM	Copper	1	Set of	10	1.5	29	120	1	3.00%	5

Panel LC2A - Circuit 25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	7.5	133	120	1	0.73%	2
3	LC2A RECEPTACLE 11	2	2,085	NM	Copper	1	Set of	10	6	16	120	1	0.91%	3
4	LC2A RECEPTACLE 12	3	1,625	NM	Copper	1	Set of	10	4.5	22	120	1	1.09%	4
5	LC2A RECEPTACLE 13	4	1,246	NM	Copper	1	Set of	10	3	30	120	1	1.25%	5
6	LC2A RECEPTACLE 14	5	946	NM	Copper	1	Set of	10	1.5	34	120	1	1.33%	6

W PANEL LC1A VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC3 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.316667	297	120	1	1.19%	2
3	STA106+02.04	2	1,491	NM	Copper	1	Set of	6	6.1	114	120	1	1.70%	3
4	STA3011+79.48	3	942	NM	Copper	1	Set of	6	4.066667	204	120	1	2.31%	4
5	STA3009+82.00	4	568	NM	Copper	1	Set of	6	2.033333	217	120	1	2.64%	5

Panel LC3 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	10	120	1	0.07%	2
3	STA4013+13.27	2	17,290	NM	Copper	1	Set of	6	6.1	97	120	1	0.51%	3
4	STA4011+46.64	3	2,561	NM	Copper	1	Set of	6	4.066667	368	120	1	1.61%	4
5	STA4009+72.12	4	605	NM	Copper	1	Set of	6	2.033333	198	120	1	1.90%	5

Panel LC3 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA110+79.14	1	42,472	NM	Copper	1	Set of	4	8.133333	502	120	1	1.97%	2
3	STA5012+39.86	2	895	NM	Copper	1	Set of	4	6.1	190	120	1	2.53%	3
4	STA5010+81.80	3	653	NM	Copper	1	Set of	4	4.066667	170	120	1	2.87%	4
5	STA5009+72.63	4	526	NM	Copper	1	Set of	4	2.033333	130	120	1	3.00%	5

Panel LC3 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	6.65	145	120	1	0.71%	2
3	LC3 PULL BOX 4	2	1,920	NM	Copper	1	Set of	6	4.433333	85	120	1	0.98%	3
4	STA110+22.24	3	1,231	NM	Copper	1	Set of	6	0.366667	152	120	1	1.02%	4
5	STA110+74.43	4	750	NM	Copper	1	Set of	6	0.183333	142	120	1	1.04%	5

Panel LC3 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	9	289	120	1	1.91%	2
3	LC3 RECEPTACLE 1 ob	2	986	NM	Copper	1	Set of	6	1.5	109	120	1	2.03%	3
4	LC3 RECEPTACLE 1	3	720	NM	Copper	1	Set of	10	1.5	15	15	1	2.36%	4

Panel LC3 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.5	141	120	1	1.09%	2
3	LC3 PULL BOX 4	2	1,972	NM	Copper	1	Set of	6	6	84	120	1	1.46%	3
4	LC3 RECEPTACLE 2	3	1,258	NM	Copper	1	Set of	10	4.5	117	120	1	2.42%	4
5	LC3 RECEPTACLE 3	4	559	NM	Copper	1	Set of	10	3	26	120	1	2.56%	5
6	LC3 RECEPTACLE 4	5	498	NM	Copper	1	Set of	10	1.5	37	120	1	2.67%	6

Panel LC3 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 5	1	42,472	NM	Copper	1	Set of	4	9	304	120	1	1.32%	2
3	LC3 RECEPTACLE 5	2	1,458	NM	Copper	1	Set of	6	6	165	120	1	2.05%	3
4	LC3 RECEPTACLE 6	3	799	NM	Copper	1	Set of	10	4.5	28	120	1	2.28%	4
5	LC3 RECEPTACLE 7	4	671	NM	Copper	1	Set of	10	1.5	19	120	1	2.33%	5

X PANEL LC3 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

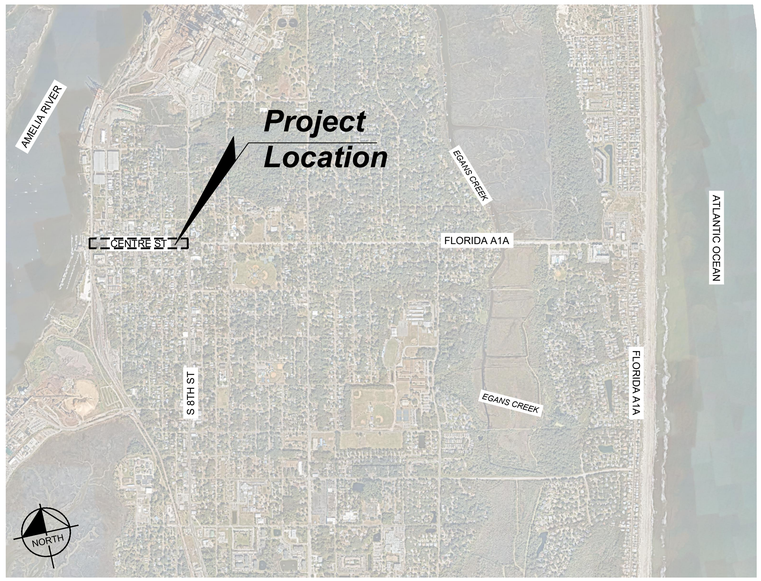
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.07 January 08, 2025 10:47:13am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

STREETSCAPE PLANS
HARDSCAPE, PLANTING, IRRIGATION
FOR
CITY OF FERNANDINA BEACH - FLORIDA
PHASE I - CENTRE STREET

JANUARY 8TH, 2025



VICINITY MAP
NOT TO SCALE

LANDSCAPE ARCHITECT:
MATTHEW A. JURNEY, PLA
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 420-4779

CIVIL ENGINEER:
BRIAN DEITSCH, PE.
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 828-3936

TOPOGRAPHIC SURVEYOR:
MICHAEL A. MANZIE, PLS.
117 SOUTH NINTH STREET
FERNANDINA BEACH, FLORIDA 32034
PHONE (904) 491-5700

ELECTRICAL ENGINEER:
PETER SYNTAX, PE
KIMLEY-HORN AND ASSOCIATES, INC.
1661 E CAMELBACK RD #400
PHEONIX, ARIZONA
PHONE: (602) 291-9521

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

COVER SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.00 January 08, 2025 10:23:39am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C0.00_COVER SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY INDEX TABLE	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY

BRIAN S. DEITSCH LICENSE No. 77073 STATE OF FLORIDA PROFESSIONAL ENGINEER

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
BRIAN S. DEITSCH No. 77073

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BRIAN S. DEITSCH, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

INDEX OF SHEETS	
Sheet Number	Sheet Title
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN

REGISTERED LANDSCAPE ARCHITECT MATTHEW A. JURNEY LA6666993 STATE OF FLORIDA

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
MATTHEW A. JURNEY, PLA No. LA6666993

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MATTHEW A. JURNEY, PLA ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 6110.11.010 F.A.C..

INDEX OF SHEETS	
Sheet Number	Sheet Title
C0.00	COVER SHEET
C0.01	SIGNATURE SHEET
C0.02	GENERAL NOTES
C0.03	STORM WATER POLLUTION PREVENTION DETAILS
C0.04	KEY MAP
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C2.50	TREE DISPOSITION NOTES AND DETAILS
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
H1.01	HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
H1.08	HARDSCAPE PLAN SCHEDULES
H1.50	HARDSCAPE DETAILS
H1.51	HARDSCAPE DETAILS
H1.52	HARDSCAPE DETAILS
H1.53	HARDSCAPE DETAILS
H1.54	HARDSCAPE DETAILS

L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L1.08	PLANTING SCHEDULE
L1.50	PLANTING NOTES
L1.51	PLANTING DETAILS
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN
L2.08	IRRIGATION SCHEDULES
L2.50	IRRIGATION NOTES
L2.51	IRRIGATION DETAILS
L2.52	IRRIGATION DETAILS

PETER M. SYNTAX LICENSE No. 74259 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/28/2025

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
PETER SYNTAX No. 74259

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PETER SYNTAX ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

LIGHTING PLANS	
Sheet Number	Sheet Title
E1.00	GENERAL NOTES
E1.01	LIGHTING PLAN
E1.02	LIGHTING PLAN
E1.03	LIGHTING PLAN
E1.04	LIGHTING PLAN
E1.05	LIGHTING PLAN
E1.06	LIGHTING PLAN
E1.07	LIGHTING PLAN
E2.01	LIGHTING PLAN
E2.02	LIGHTING PLAN
E2.03	LIGHTING PLAN
E2.04	LIGHTING PLAN
E2.05	LIGHTING PLAN
E2.06	LIGHTING PLAN
E2.07	LIGHTING PLAN
E2.08	LIGHTING PLAN
E2.09	LIGHTING PLAN
E2.10	LIGHTING PLAN
E2.11	LIGHTING PLAN
E2.12	LIGHTING PLAN
E3.01	LIGHTING DETAILS
E3.02	LIGHTING DETAILS
E3.03	LIGHTING PANEL SCHEDULES
E3.04	LIGHTING DETAILS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

SIGNATURE SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.01

Plotted By:Zlegmont Charles Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.01 January 08, 2025 11:26:51am K:\JAX_LALP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CADD\Plan Sheets\C0.01 SIGNATURE SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY

SHEET NUMBER: S0.03

MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY

MANZIE & DRAKE LAND SURVEYING

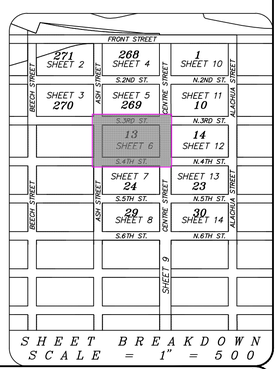
GRAPHIC SCALE

0 50 100 200 400

1 INCH = 100 FEET

ADDITIONAL ELEVATIONS - OCTOBER 2024

POINT	LAYER NAME	DESCRIPTION
10.57	PONTS-TOPO-OCT2024-ALCOVE ELEV	ELEVATION IN ALCOVE
8.98	PONTS-TOPO-OCT2024-HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH-BACK CURB" (TOP OF CURB)
15.31	PONTS-TOPO-OCT2024-GRANITE CURB ELEV (TOP)	ELEVATION ON BACK OF GRANITE CURB (TOP OF CURB)
28.57	PONTS-TOPO-OCT2024-COPING WALL ELEV (TOP)	ELEVATION ON COPING WALL (TOP OF WALL)
8.85	PONTS-TOPO-OCT2024-ROUND COLUMN ELEV (TOP)	ELEVATION ON 12" ROUND COLUMN (TOP OF COLUMN)
8.85	PONTS-TOPO-OCT2024-BRICK WALL ELEV (TOP)	ELEVATION ON BRICK WALL (TOP OF WALL)
8.85	PONTS-TOPO-OCT2024-CONC ELEV	ELEVATION ON CONCRETE FLATWORK (NO STAMPING)
17.89	PONTS-TOPO-OCT2024-HEX STAMPED CONC ELEV	ELEVATION ON HEX STAMPED CONCRETE FLATWORK
17.89	PONTS-TOPO-OCT2024-BRICK ELEV	ELEVATION ON BRICK FLATWORK (NOT STAMPED CONCRETE)
17.21	PONTS-TOPO-OCT2024-ASPHALT ELEV	ELEVATION ON ASPHALT
17.31	PONTS-TOPO-OCT2024-PEBBLE WALK ELEV	ELEVATION ON PEBBLE-ROCK FLATWORK
15.74	PONTS-TOPO-OCT2024-BRICK STAMPED CONC ELEV	ELEVATION ON BRICK DESIGN STAMPED CONCRETE
15.32	PONTS-TOPO-OCT2024-ALCOVE ELEV	ELEVATION IN ALCOVE
14.22	PONTS-TOPO-OCT2024-HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH-BACK CURB" (TOP OF CURB)



SHEET BREAKDOWN
SCALE = 1" = 500

ADDITIONAL PROJECT ELEVATIONS

ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491-5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 6 OF 14

"OUR ***SIGHTS*** ARE ON THE FUTURE, SET YOUR ***SITES*** ON US."

SCALE: 1"=20' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD

F.B. NO: X-385 PAGE NO: 1-10 CREW: SS FILE NO: C-1272

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITIES AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AND/OR CODES.

2. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE DESIGN PROFESSIONAL AT THE TIME OF THE TOPOGRAPHIC SURVEY. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR DESIGN PROFESSIONAL WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, LICENSES, AND BONDS AS REQUIRED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL OBTAIN COPIES OF AND FAMILIARIZE HIMSELF AND HIS SUBCONTRACTORS WITH THE PERMIT CONDITIONS OF ALL OWNER OBTAINED PERMITS FOR THE WORK.

5. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE DESIGN PROFESSIONAL.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER/DESIGN PROFESSIONAL PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER/DESIGN PROFESSIONAL OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

8. ACCESS TO BUSINESSES AND BUILDING ACCESS POINTS SHALL BE MAINTAINED TO THE GREATEST EXTENT PRACTICAL. WHEN ACCESS CANNOT BE MAINTAINED, THE TIME OF NON-ACCESS SHALL BE MINIMIZED AND CLOSELY COORDINATED WITH THE PROPERTY OWNER.

9. ANY DAMAGE TO PRIVATE PROPERTY MADE BY THE CONTRACTOR SHALL BE PROMPTLY REPAIRED TO AN EQUAL OR BETTER CONDITION AS IT WAS BEFORE COMMENCEMENT OF THE WORK.

10. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.

11. WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL HOLD AND PROTECT POLE DURING CONSTRUCTION AT THE CONTRACTORS EXPENSE.

DEMOLITION NOTES:

1. REFER TO THE EXISTING CONDITION SHEET FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, PIPES, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO REMAIN OR RELOCATED. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.

2. THE CONTRACTOR SHALL REFER TO THE PLANS FOR DEMOLITION/PRESERVATION OF EXISTING TREES AND LANDSCAPING. ALL TREES AND LANDSCAPING NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE/LANDSCAPING PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.

3. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS 30 DAYS IN ADVANCE TO RELOCATION LANDSCAPING IN CONFLICT WITH THE WORK. LANDSCAPE IN CONFLICT, LEFT IN PLACE, SHALL BE REMOVED AND REPLACED BY CONTRACTOR (IN RIGHT-OF-WAY ONLY) UNLESS OTHERWISE NOTED.

4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

5. ALL ELEVATION MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

6. CONTRACTOR SHALL EXERCISE CAUTION WHILE REMOVING AND/OR RELOCATING EXISTING SIGNS IN ORDER TO PREVENT ANY UNNECESSARY DAMAGE TO THE SIGNS. SIGNS WHICH ARE DAMAGED BEYOND USE AS DETERMINED BY THE ENGINEER SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

PAVING, GRADING, AND DRAINAGE NOTES:

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH STANDARDS APPLICABLE TO PUBLIC RIGHTS-OF-WAY STANDARDS AND EASEMENTS WITHIN THE CITY OF FERNANDINA BEACH OR FDOT SPECIFICATIONS AND STANDARDS (2017-18) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.

2. ALL ELEVATIONS SHOWN REFER TO NAVD 1988.

3. CONSTRUCT CURBING IN ACCORDANCE WITH PROJECT DETAILS AS APPLICABLE.

4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL.

10. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AND AS INDICATED ON THE DRAWINGS.

11. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH SPECIFICATIONS, THE LOCAL JURISDICTIONAL AGENCY, OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

16. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.

WATER AND SEWER UTILITY NOTES:

1. CONTRACTOR SHALL COORDINATE WITH CITY OF FERNANDINA BEACH UTILITY DEPARTMENT PRIOR TO CONSTRUCTION. IF THE UTILITY DEPARTMENT ELECTS TO REPLACE WATER/SEWER SERVICE LINES DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE STREETSCAPE IMPROVEMENTS WITH THE CITY'S UTILITY REPLACEMENTS.

2. WATER SERVICES AND SANITARY SERVICES SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION. THE FIRE MARSHALL MUST BE NOTIFIED IN ADVANCE OF ANY INTERRUPTION TO FIRE SERVICES.

3. WATER METERS FOUND TO BE IN CONFLICT WITH THE PROPOSED CURBING SHALL BE RELOCATED. ALL WATER METER RELOCATIONS SHALL BE APPROVED BY THE CITY OF FERNANDINA BEACH PRIOR TO THE CONTRACTOR PROCEEDING WITH THE RELOCATION.

4. ALL WATER METER COVERS ON PROJECT TO BE REPLACED. WATER METER BOX COVERS FOR THIS PROJECT SHALL BE AS FOLLOWS:
   1. CDR 15" X 17" TIER 8 BY HUBBELL OR APPROVED EQUAL (DUAL METERS)
   2. QUAZITE 11" X 18" TIER 8 BY HUBBELL OR APPROVED EQUAL (1" METER)

5. WATER METER COVERS SHALL BE SKID RESISTANT AND BE STAINED TO MATCH PROPOSED PAVERS AND/OR CONCRETE

SIGNING AND MARKING NOTES:

1. CONTRACTOR TO STORE AND PROTECT ANY EXISTING PLACARDS AND REUSE WHEREVER POSSIBLE ON NEW SIGN POSTS. ALL NEW SIGNS FURNISHED FOR THIS PROJECT TO BE DIAMOND GRADE. NEW SIGN POSTS FOUNDATIONS AND BREAKAWAY SLIP BASE SHALL CONFORM TO FDOT STANDARD INDEX 11860. SIGN POST MATERIAL AND COLOR TO BE COORDINATED WITH THE CITY OF FERNANDINA BEACH.

2. SIGNAGE ON PRIVATE PROPERTY IS TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED.

3. SIGN PLACEMENT FOR STOP SIGN SHOULD BE IN ACCORDANCE WITH FIGURE 2A-1. OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). HEIGHTS AND LATERAL LOCATION OF STOP SIGNS REFER TO SECTION 2A.16 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

4. SIGN PLACEMENT SHALL CONFORM TO FDOT STANDARD INDEX 17302.

5. PARKING SIGNS WITH DIRECTION ARROWS SHALL BE INSTALLED AT AN ANGLE OF NOT LESS THAN 30° BUT NOT MORE THAN 45° WITH THE LINE OF TRAFFIC FLOW.

EROSION CONTROL NOTES:

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THESE EROSION CONTROL NOTES, THE STANDARD DETAILS, ATTACHMENTS INCLUDED IN SPECIFICATIONS, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

2. CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF INTENT TO USE THE CITY'S NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AS REQUIRED PRIOR TO THE START OF WORK.

3. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

4. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

5. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.

6. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.

7. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

8. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO WATERS OF THE STATE.

11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.

12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.

13. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

14. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE AND AT THE CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE PROJECT.

16. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

17. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

18. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.

19. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

EROSION CONTROL MAINTENANCE:

ALL MEASURES STATED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

3. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

4. TEMPORARY PARKING AND STORAGE AREAS SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

5. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

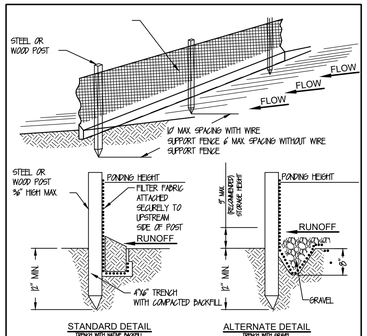
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

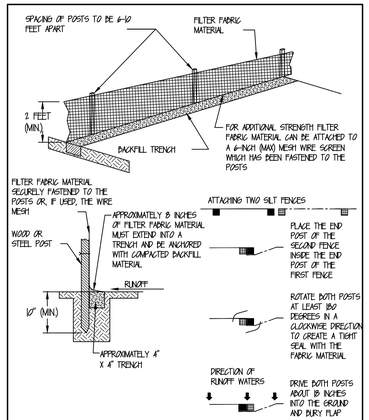
SHEET NUMBER
C0.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.02 January 08, 2025 10:26:18am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

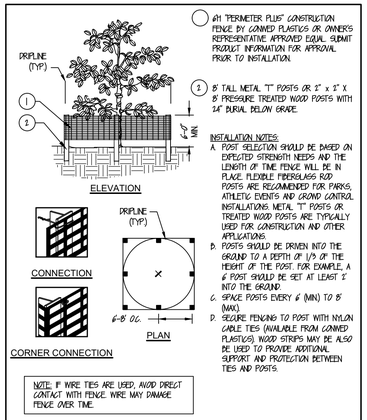


NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
1. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED
2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL



SILT FENCE INSTALLATION DETAIL

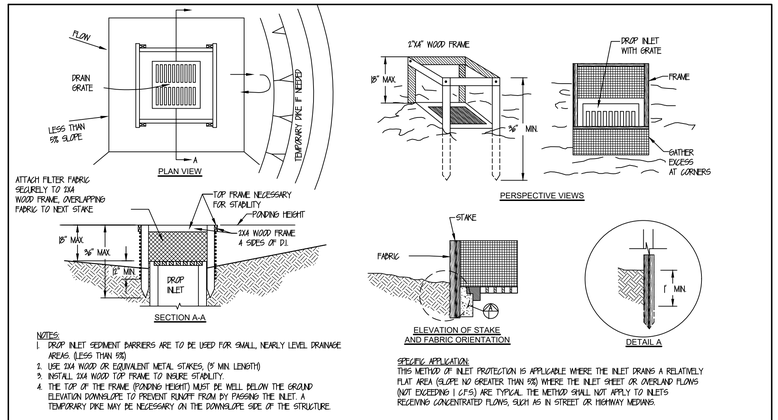


1. #11 "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:
A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
C. SPACE POSTS EVERY 6' (MIN) TO 8' (MAX).
D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

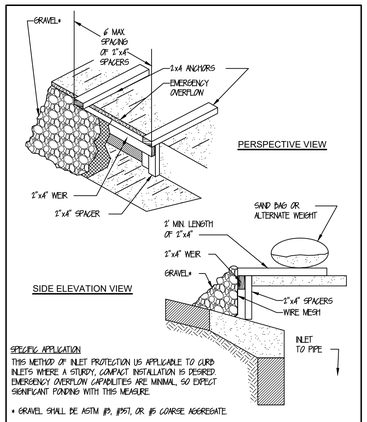
TREE BARRICADE



NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%)
2. USE 2X4 WOOD OR EQUIVALENT METAL STAKES, (3' MIN LENGTH)
3. INSTALL 2X4 WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

SPECIFIC APPLICATION:
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

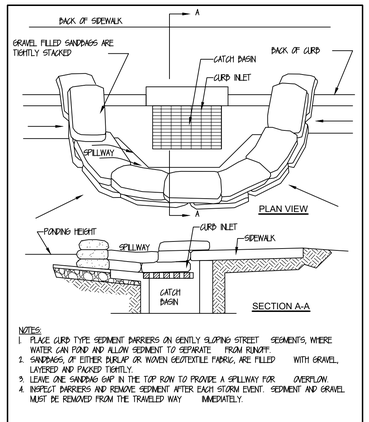
FILTER FABRIC DROP INLET SEDIMENT BARRIER



SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE TO CURB INLETS WHERE A STURDY, COMPACT INSTALLATION IS DESIRED. EMERGENCY OVERFLOW CAPABILITIES ARE MINIMAL, SO EXPECT SIGNIFICANT PONDING WITH THIS MEASURE.

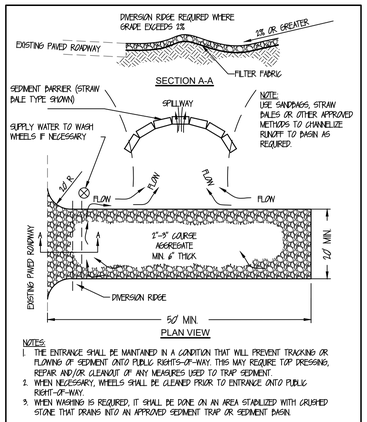
* GRAVEL SHALL BE ASTM #3, #357, OR #5 COARSE AGGREGATE.

GRAVEL CURB INLET SEDIMENT FILTER WITH OVERFLOW WEIR



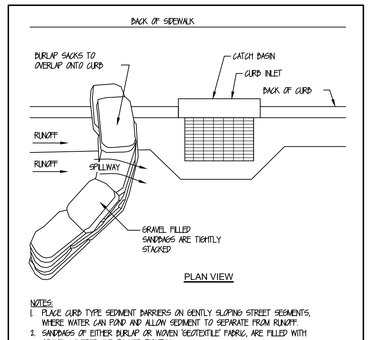
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB INLET SEDIMENT BARRIER



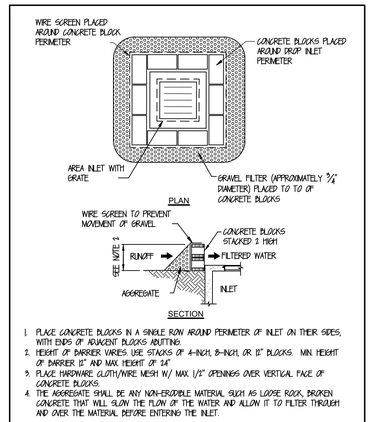
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



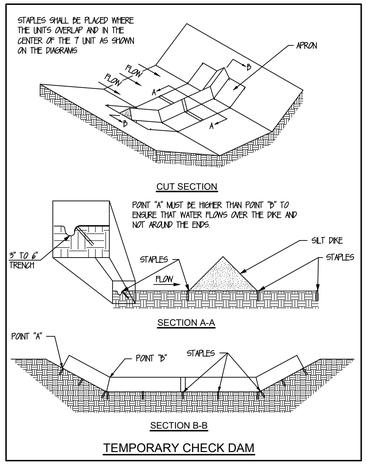
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB AND GUTTER SEDIMENT BARRIER

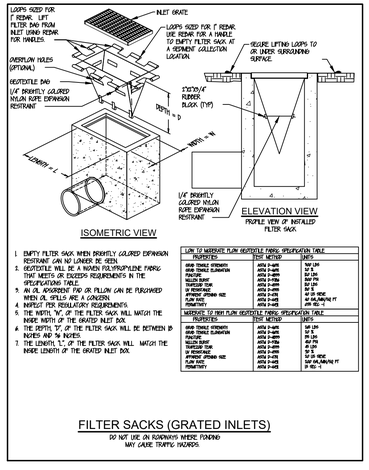


1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN HEIGHT OF BARRIER 12" AND MAX HEIGHT OF 24"
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE AGGREGATE SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

BLOCK AND AGGREGATE INLET SEDIMENT DEVISE



TEMPORARY CHECK DAM



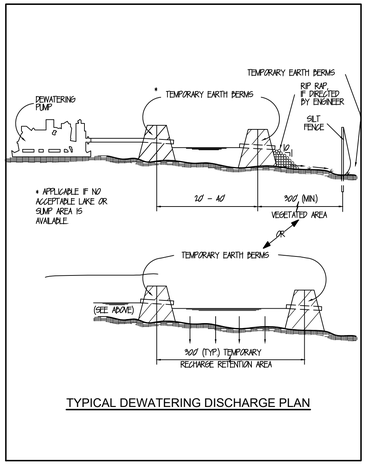
1. EMPTY FILTER SACK WHEN BRIGHTLY COLORED EMBARGO RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. AN OIL ABSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK WILL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH "D", OF THE FILTER SACK WILL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK WILL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	160 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	15 %
MULLEN BURST	ASTM D-3786	300 LBS
TRAPEZOID TEAR	ASTM D-4533	60 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	150 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.0 SEC-1

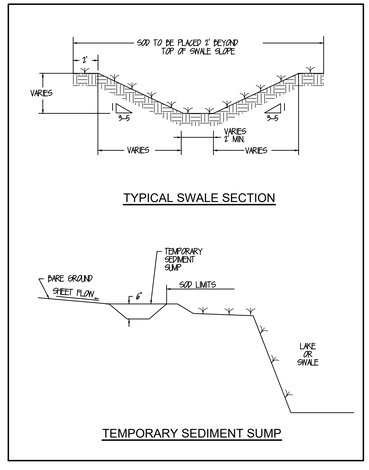
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	249 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	50 %
MULLEN BURST	ASTM D-3786	390 PSI
TRAPEZOID TEAR	ASTM D-4533	90 LBS
UV RESISTANCE	ASTM D-4355	70 %
APPARENT OPENING SIZE	ASTM D-4751	30 US SIEVE
FLOW RATE	ASTM D-4491	224 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.8 SEC-1

FILTER SACKS (GRATED INLETS)

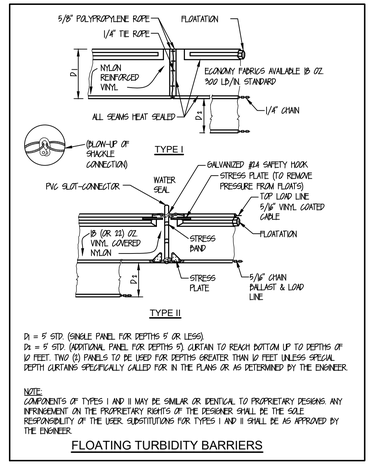
DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.



TYPICAL DEWATERING DISCHARGE PLAN



TEMPORARY SEDIMENT SUMP



D1 = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D2 = 9' STD. (ADDITIONAL PANEL FOR DEPTHS 5'). CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTE:
COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DESIGNED BY:	CHECKED BY:
142806005	KHA	MAJ
DATE: 01/08/2025	DRAWN BY: NL	
SCALE: AS SHOWN		

STORM WATER POLLUTION PREVENTION DETAILS

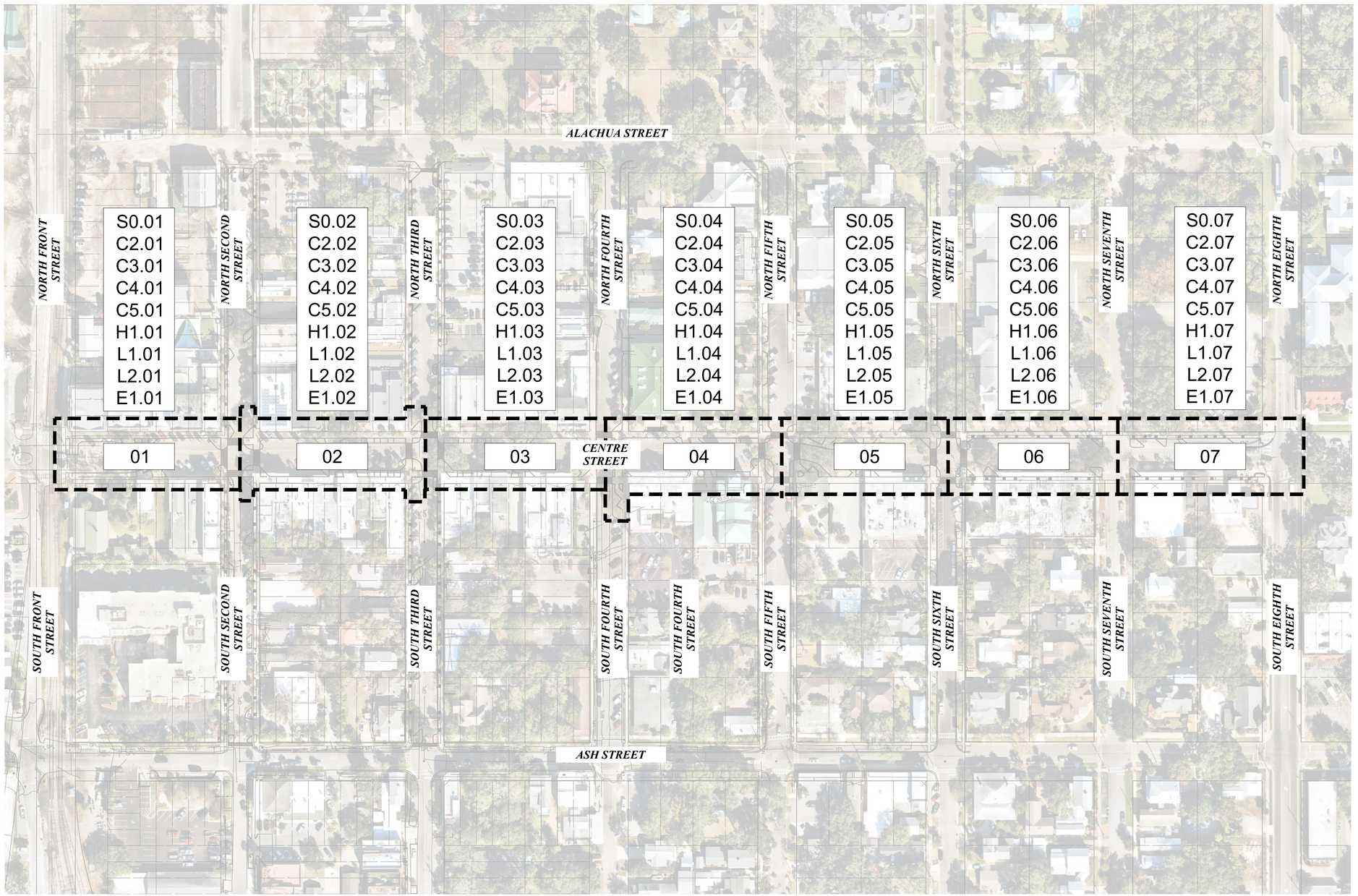
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.03 January 08, 2025 10:26:20am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

INDEX OF SHEETS	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN
H1.01	OVERALL HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	
DRAWN BY: NL	
CHECKED BY: MAJ	

KEY MAP

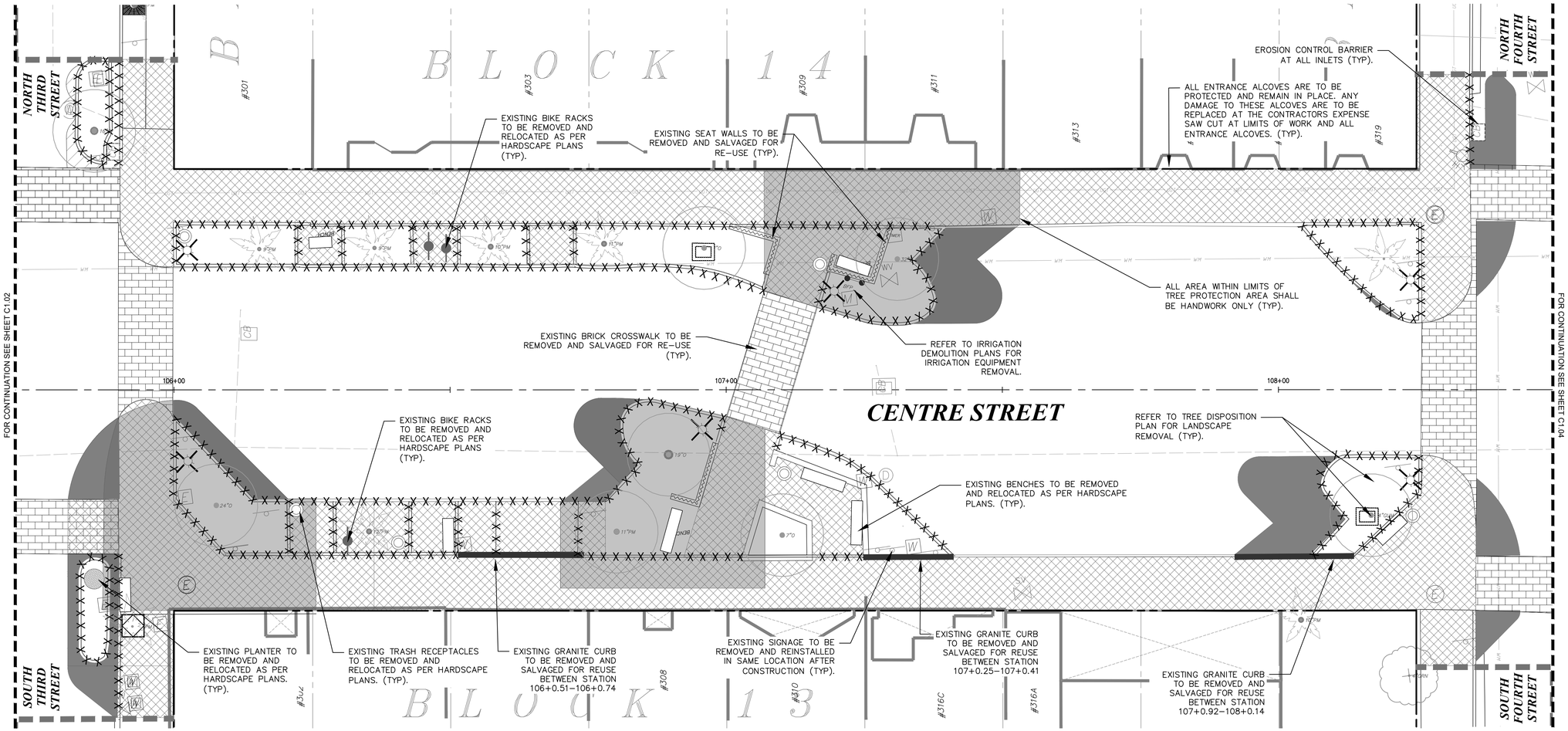
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.04

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.04 January 08, 2025 11:19:59am K:\JAX_LAP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\C0.04 KEY MAP.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM COM COM	PROPOSED ELECTRIC

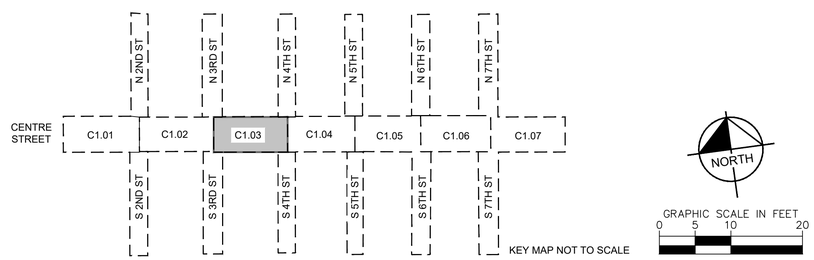
TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

DEMOLITION LEGEND

- EXISTING ELECTRICAL OUTLET
- EXISTING TREE GRATE TO BE REMOVED
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
- EXISTING PLANTER TO BE REMOVED AND RELOCATED
- EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING SEAT WALL TO BE REMOVED
- EXISTING BENCH TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- TREE PROTECTION AREA (HANDWORK ONLY)
- EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
- EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
- EROSION CONTROL BARRIER
- EXISTING TREE
- EXISTING OFF-SITE TREE
- EXISTING PALM TREE
- EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	DRAWN BY: RD
CHECKED BY: MAJ	

DEMOLITION PLAN

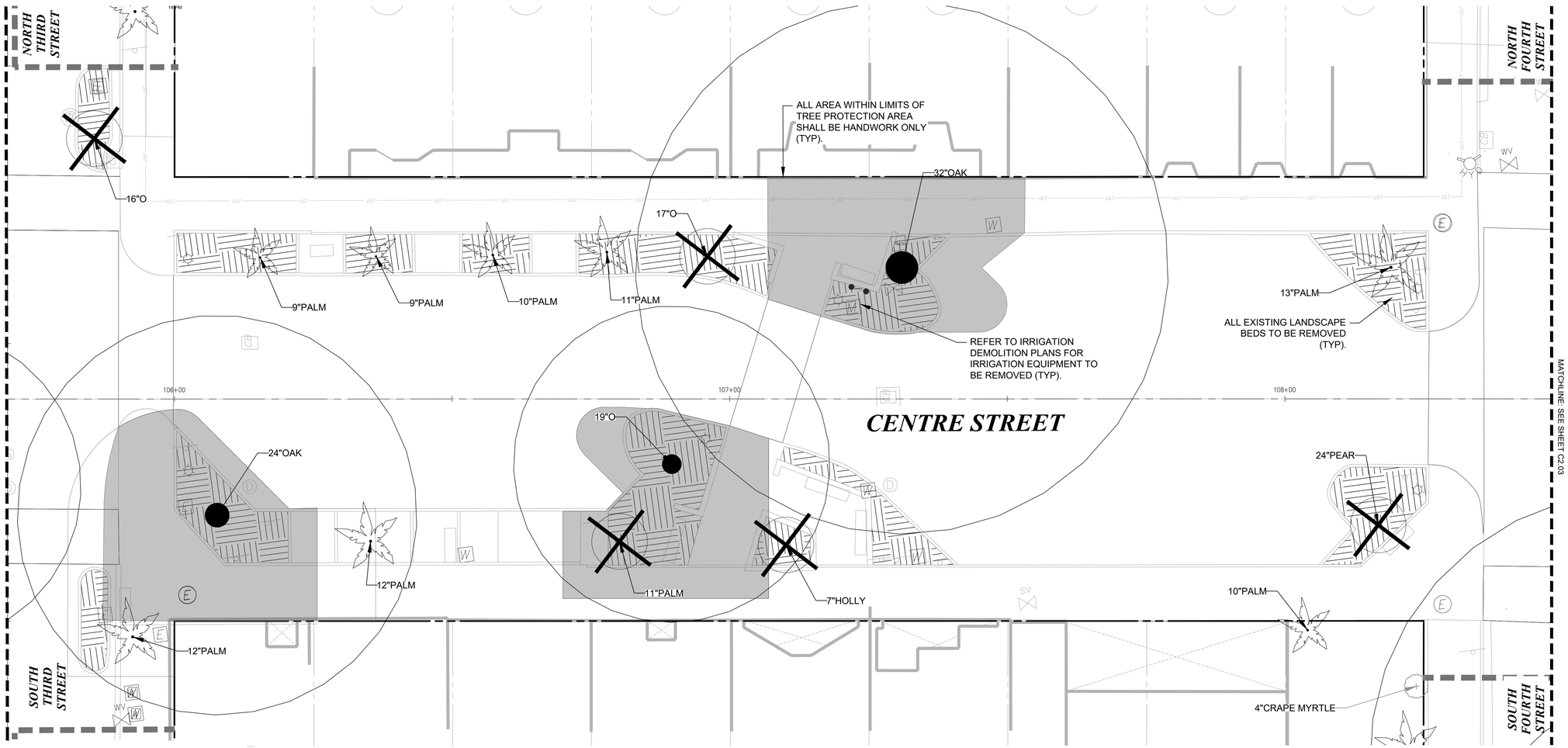
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER C1.03

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C1.03 January 08, 2025 10:54:47am K:\JAX_LA\PW\142806005 — fernandina beach streetscape\working files\CAD\xlsx sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

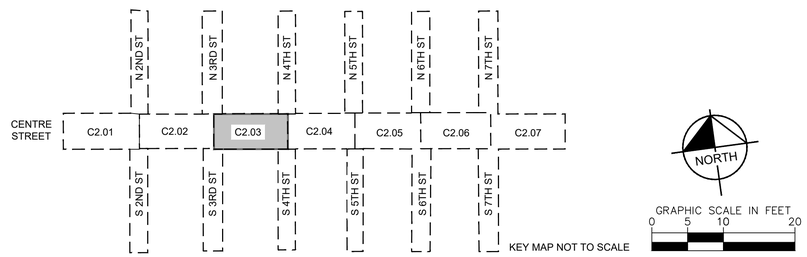


LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN
- TREE TO BE REMOVED



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	
		DESIGNED BY: KHA	
		DRAWN BY: NL	
		CHECKED BY: MAJ	

TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C2.03 January 08, 2025 10:29:39am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.50 January 08, 2025 10:30:00am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TREE MITIGATION SPECIFICATIONS

A. GENERAL

1. CONTRACTOR SHALL ADHEAR TO ALL TREE PROTECTION REQUIREMENTS LISTED IN THESE SPECIFICATIONS AND/OR THOSE LISTED IN THE CITY OR COUNTY ZONING CODE, TREE PROTECTION (LATEST EDITION), WHICHEVER IS MORE STRINGENT SHALL APPLY.
2. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PROCEDURES WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
3. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATION MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE.
4. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED FROM THIS PROHIBITION.
5. EXISTING TREE LOCATIONS AND SIZES ARE ESTIMATES AND ARE BASED ON A SURVEY PROVIDED BY THE OWNER SELECTED SURVEYOR.
6. CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH PERMITTING AGENCY AND PROJECT ARBORIST PRIOR TO CONSTRUCTION. NO PERSON MAY REMOVE OR CAUSE TO BE REMOVED ANY PROTECTED TREE OR PALM WITHOUT FIRST HAVING PROCURED A PERMIT AS PROVIDED BY THE APPROPRIATE PERMITTING AGENCY.
7. FOR PROTECTED TREES OR PALMS BEING REMOVED, THE CONTRACTOR MUST GIVE THE PERMITTING AGENCY REASONABLE OPPORTUNITY TO RELOCATE TREES DESIGNATED FOR REMOVAL TO ANOTHER SITE AT THE PERMITTING AGENCY'S EXPENSE.
8. CONTRACTOR IS RESPONSIBLE FOR POSSESSING ALL REQUIRED APPLICATOR LICENSES, BUSINESS REGISTRATIONS AND INSURANCE, PESTICIDE LABELS, AND MATERIAL DATA SAFETY SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING ALL SPILL CONTAINMENT MATERIALS AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR PESTICIDE APPLICATIONS AND ACCIDENTAL SPILLS ON SITE AT ALL TIMES. THE OWNER RESERVES THE RIGHT TO INSPECT EACH APPLICATOR AND HAVE THESE MATERIALS PRESENTED BEFORE AND DURING ANY PESTICIDE TREATMENT.
9. WHERE TRAFFIC AREAS ARE PROPOSED WITHIN THE DRIP LINE OF PROTECTED TREES AND LESS THAN FOUR (4) INCHES OF GRADE CHANGE ARE PROPOSED, PERMEABLE SURFACES THAT ALLOW AIR AND WATER INTO THE SOIL SHOULD BE USED IN LIEU OF ASPHALT OR OTHER SUCH IMPERVIOUS SURFACES.
10. TREE WELLS OF AN APPROVED DESIGN SHALL BE CONSTRUCTED AROUND ALL TREES TO BE PRESERVED WHEN MORE THAN FOUR INCHES OF FILL IS TO BE DEPOSITED WITHIN THE DRIP LINE AREA OF THOSE TREES. COORDINATE WITH PROJECT ARBORIST.
11. THE SEQUENCE OF TREE MITIGATION AND PRESERVATION MEASURES IS IMPERATIVE TO THE HEALTH AND SURVIVABILITY OF THE SUBJECT TREES AND SHALL BE COORDINATED WITH THE OWNER SELECTED PROJECT ARBORIST. THE DESIRED SEQUENCE IS OUTLINED BELOW:
    a. TREE PROTECTION FENCING.
    b. ROOT PRUNING AND ROOT BARRIERS.
    c. CLEARING.
    d. TREE CANOPY PRUNING.
    e. FERTILIZATION.
    f. INSECTICIDE.
    g. IRRIGATION.

B. TREE PROTECTION FENCING

1. PRIOR TO THE ERECTION OF ANY TREE PROTECTION FENCING, ALL FOREIGN SURFACE MATERIAL, TRASH OR DEBRIS SHALL BE REMOVED FROM THE AREA TO BE ENCLOSED BY THE FENCING. AFTER ERECTION OF THE FENCING NO SUCH MATERIAL OR LITTER SHALL BE PERMITTED TO REMAIN WITHIN THE PROTECTED AREA.
2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL PROTECTED TREES TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING, LAND ALTERATION, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
3. NATIVE GROUND COVER AND UNDERSTORY VEGETATION EXISTING WITHIN THE PROTECTED AREA SHALL REMAIN THROUGHOUT CONSTRUCTION. OTHER DESIGNATED VEGETATION AND INVASIVE PLANT SPECIES SHALL BE REMOVED ONLY BY MANUAL LABOR UTILIZING HAND TOOLS, OR BY OTHER METHODS APPROVED BY THE PROJECT ARBORIST.
4. TREE PROTECTION FENCING TYPES AND LOCATIONS SHALL BE ERECTED AS SHOWN ON THE TREE MITIGATION PLANS AND DETAILS, OR AS REQUESTED BY LOCAL AGENCY.
5. FINAL LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ARBORIST.
6. NO MATERIALS, EQUIPMENT, SPOIL, WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED, OR PARKED WITHIN 20 FEET OF THE TREE PROTECTION ZONE.
7. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE.
8. CONSTRUCTION ACTIVITY SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
9. DO NOT INSTALL CONDUIT, DRAIN OR IRRIGATION LINES, OR ANY UTILITY LINE WITHIN THE TREE PROTECTION ZONE WITHOUT THE APPROVAL OF THE PROJECT ARBORIST. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
10. CONTRACTOR'S ACCESS TO FENCED TREE PROTECTION AREAS WILL BE PERMITTED ONLY WITH APPROVAL OF THE PROJECT ARBORIST.
11. EXCAVATION OR GRADING REQUIRED WITHIN THE PROTECTED AREA SHALL BE LIMITED TO THREE (3) INCHES OF CUT OR FILL. COORDINATE WITH PROJECT ARBORIST.
12. STRUCTURES AND UNDERGROUND FEATURES TO BE REMOVED WITHIN THE TREE PROTECTION ZONE SHALL BE COORDINATED WITH THE PROJECT ARBORIST.
13. TREE PROTECTION FENCING AROUND TREES TO BE RELOCATED SHALL BE ERECTED UNTIL THE TREE IS READY TO BE RELOCATED AND NEW FENCING SHALL BE ERECTED AT THE TREES NEW LOCATION AND WILL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE.
14. IF ANY DAMAGE TO TREE PROTECTION FENCING SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIRS.
15. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE PROTECTED AREA OF TREES TO BE PRESERVED, A ROAD BED OF SIX (6) INCHES OF MULCH OR GRAVEL SHALL BE CREATED TO PROTECT THE SOIL. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A SIX (6) INCH ROAD BED AT ALL TIMES. CONTRACTOR SHALL REMOVE ALL SUCH MATERIALS FROM THE SITE AS SOON AS TEMPORARY ACCESS IS NO LONGER NECESSARY.
16. CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST PRIOR TO THE REMOVAL OF ALL TREE PROTECTION FENCING.

C. ROOT PRUNING/TRENCHING

1. TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE PROJECT ARBORIST.
2. TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE PROJECT ARBORIST. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
5. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

D. CLEARING

1. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH HAND-OPERATED EQUIPMENT.
2. CONTRACTOR SHALL CLEAR ALL TREE PROTECTION AREAS OF VINES, SHRUBS, GROUND COVERS, WEEDS, SAPLINGS, AND INVASIVES LISTED ON THE LATEST EDITION OF THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE SPECIES.
3. PROJECT ARBORIST MUST APPROVE METHODS OTHER THAN HAND CLEARING.
4. A TWO (2) INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES DURING THE SITE CLEARING PHASE.

E. TREE CANOPY PRUNING

TREE PRUNING SPECIFICATIONS SHALL BE DEFINED BASED ON SPECIFIC RECOMMENDATIONS OF THE PROJECT ARBORIST. INFORMATION PRESENTED BELOW SHOULD BE USED AS A GUIDELINE.

1. CONTRACTOR SHALL VISIT THE SITE WITH THE PROJECT ARBORIST TO VERIFY THE EXTENT OF REQUIRED PRUNING.
2. ALL PRUNING SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST OR AN AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA) REGISTERED CONSULTING ARBORIST (RCA).
3. AT LEAST ONE MEMBER OF THE PRUNING CREW SHALL BE AN ISA CERTIFIED ARBORIST.
4. WHILE IN THE TREE, THE ARBORIST SHALL PERFORM AN AERIAL INSPECTION TO IDENTIFY DEFECTS THAT REQUIRE TREATMENT. ANY ADDITIONAL WORK NEEDED SHALL BE REPORTED TO THE OWNER.
5. PRUNING CUTS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI A300 PRUNING STANDARD (AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS) AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI Z133.1 SAFETY STANDARD. PRUNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ISA'S "BEST MANAGEMENT PRACTICES: TREE PRUNING".
6. WHERE TEMPORARY CLEARANCE IS NEEDED FOR ACCESS, BRANCHES SHALL BE TIED BACK TO HOLD THEM OUT OF THE CLEARANCE ZONE.
7. NO MORE THAN 20 PERCENT OF LIVE FOLIAGE SHALL BE REMOVED WITHIN ANY TREE.
8. ALL TREES WITHIN THE PROJECT AREA SHALL BE PRUNED AS FOLLOWS:
    a. LIVE BRANCH PRUNING SHOULD BE PERFORMED ONLY WHEN THE DANGER OF INSECT OR DISEASE INFESTATION IS NOT PRESENT.
    b. REMOVE STUBS, CUTTING OUTSIDE THE WOUND WOOD TISSUE THAT HAS FORMED AROUND THE BRANCH.
    c. CLEANING, FOR THE SELECTIVE REMOVAL OF DEAD, DISEASED, BROKEN, OR CROSSING BRANCHES DOWN TO ONE INCH IN DIAMETER OR AS DIRECTED BY THE PROJECT ARBORIST.
    d. PRUNING CUTS LARGER THAN 4 INCHES IN DIAMETER, EXCEPT FOR DEAD WOOD, SHALL BE AVOIDED.
    e. PRUNING CUTS THAT EXPOSE HEARTWOOD SHALL BE AVOIDED WHENEVER POSSIBLE.
    f. ALL TREES WITH CROWNS THAT PROJECT INTO PARKING LOT/ROADWAY AREAS SHALL BE RAISED TO 14 FEET ABOVE FINISHED GRADE.
    g. ALL TREES WITH CROWNS THAT PROJECT INTO SIDEWALK AREAS SHALL BE RAISED TO A HEIGHT OF 8 FEET ABOVE FINISHED GRADE.
9. TREES, WHO'S ROOT SYSTEMS WILL BE IMPACTED SHALL RECEIVE THE FOLLOWING PRUNING TO COMPENSATE FOR ROOT LOSS:
    a. THE LOCATION AND SIZE OF BRANCHES FOR REDUCTION SHALL BE DEFINED BY THE PROJECT ARBORIST.
    b. REDUCTION, OR THE SELECTIVE PRUNING TO REDUCE TREE HEIGHT OR SPREAD.
    c. REDUCE END WEIGHT ON HEAVY, HORIZONTAL BRANCHES BY SELECTIVELY REMOVING SMALL DIAMETER BRANCHES, NO GREATER THAN 2 TO 3 INCHES, NEAR THE ENDS OF SCAFFOLD BRANCHES.
    d. RAISING SHALL CONSIST OF SELECTIVE PRUNING TO PROVIDE VERTICAL CLEARANCE.
10. PROPOSED/REPLACEMENT TREES
    a. PRUNING SHALL BE LIMITED TO CLEANING.
11. BRUSH SHALL BE CHIPPED AND SPREAD (ONLY WHEN DISEASE OR INSECT INFESTATION IS NOT PRESENT) UNDERNEATH TREES WITHIN THE TREE PROTECTION ZONE TO A MAXIMUM DEPTH OF THREE (3) INCHES, LEAVING THE TRUNK CLEAR OF MULCH.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS DEBRIS ON A DAILY BASIS.

F. FERTILIZATION

1. CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
2. EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
3. ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
4. TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
    a. MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
    b. MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER. AGITATE MIX.
    c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
    d. THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
    e. FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
    f. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.

G. INSECTICIDE

7. NOTIFY PROJECT ARBORIST IF ANY INFESTATION IS NOTICED.
8. FOLLOW PROJECT ARBORIST'S RECOMMENDED PROCEDURES.
9. FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS CONCERNING APPLICATION. READ ALL WARNING LABELS.
10. ANY PETS, AS WELL AS, THE PETS FOOD AND WATER BOWLS SHOULD BE REMOVED FROM THE AREA AND ANY SWIMMING POOLS SHOULD BE COVERED. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
11. ENSURE COMPLETE COVERAGE AND REAPPLY 2-3 MONTHS AFTER INITIAL APPLICATION UTILIZING SAME PROCEDURE.

H. IRRIGATION

1. EVERY EFFORT SHALL BE MADE TO WATER THE PRESERVED TREES AND TRANSPLANTS. CONTRACTOR SHALL IRRIGATE BY HAND OR BY TEMPORARY IRRIGATION.
2. IRRIGATE AS REQUIRED BY PROJECT ARBORIST UNTIL PERMANENT IRRIGATION IS INSTALLED AND OPERATING.
3. UNDERGROUND IRRIGATION SHALL NOT BE INSTALLED WITHIN THE DRIP LINES OF EXISTING TREES UNLESS ROOT PROTECTION MEASURES ARE PROVIDED AND APPROVED BY PROJECT ARBORIST.

I. TREE REMOVALS

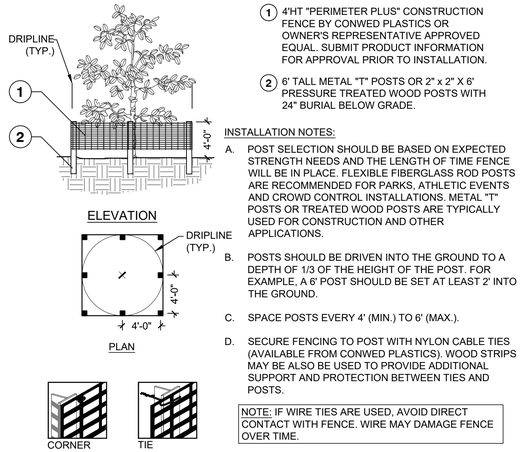
1. PRIOR TO AND DURING LAND CLEARING, INCLUDING GRUBBING, ALL TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY PROJECT ARBORIST WITH RED SURVEY RIBBONS AT 36 INCHES MINIMUM ABOVE GRADE.
2. CONTRACTOR SHALL REMOVE ALL TREES AS SHOWN ON THE TREE MITIGATION PLANS AFTER THE TREE PROTECTION FENCING IS INSTALLED.
3. ALL TREES SHOWN TO BE REMOVED SHALL BE FELLED WITH A CHAIN SAW AND STUMP GROUND 6" BELOW SURFACE. ANY TREE SHOWN TO BE REMOVED THAT IS IN AN AREA WHERE COMPACTION IS CRITICAL SHALL BE FELLED WITH A CHAIN SAW AND STUMP REMOVED BY CONTRACTOR.
4. ALL WOOD AND STUMPS FROM REMOVALS SHALL BE HAULED FROM THE SITE THE SAME DAY, EXCEPT FOR TOPS. ALL TOPS ARE TO BE MULCHED AND STOCKPILED OR HAULED DIRECTLY TO MULCHED AREAS FOR RELOCATED TREES IF SCHEDULING PERMITS. TOPS SHALL BE CHIPPED AND PLACED IN THE TREE PROTECTION ZONE TO A DEPTH OF THREE (3) INCHES. ALL EXCESS WOOD CHIPS SHOULD BE HAULED OFF SITE AFTER TRANSPLANTING IS COMPLETE.
5. ALL BURN PITS IF APPLICABLE MUST BE APPROVED BY THE PROJECT ARBORIST AND OWNER.
6. TREES TO BE REMOVED THAT HAVE BRANCHES EXTENDING INTO THE CANOPY OF TREES TO REMAIN MUST BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST AND NOT BY DEMOLITION OR CONSTRUCTION CONTRACTORS. THE QUALIFIED ARBORIST SHALL REMOVE THE TREE IN A MANNER THAT CAUSES NO DAMAGE TO THE TREES AND UNDERSTORY VEGETATION TO REMAIN.
7. TREES TO BE REMOVED LOCATED WITHIN THE TREE PROTECTION ZONE SHALL BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST. THE TREES SHALL BE CUT NEAR GROUND LEVEL AND THE STUMP GROUND OUT.

J. TOPSOIL

8. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
9. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.
10. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE (1) INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.
11. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR (4) INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.
12. PROJECT ARBORIST SHALL APPROVE ALL TOPSOIL PRIOR TO PLACEMENT.

K. REPAIR OF DAMAGED TREES

1. IF DAMAGE TO ANY TREE SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE DURING THE CONSTRUCTION PERIOD, THE PROJECT ARBORIST SHALL APPRAISE THE DAMAGE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPAIR BY THE CONTRACTOR.
2. IF ANY TREE DESIGNATED TO BE SAVED IS REMOVED FROM THE SITE WITHOUT PERMISSION OF THE OWNER'S REPRESENTATIVE, THE PROJECT ARBORIST SHALL APPRAISE THE TREE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE TREE AND ANY FEES THAT MAY BE ASSESSED TO THE OWNER BY THE GOVERNING AGENCY.



1. 4'HT "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 6' TALL METAL "T" POSTS OR 2" x 2" X 6' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 4' (MIN.) TO 6' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

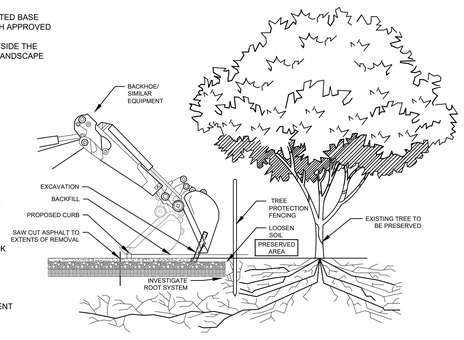
NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

1 TREE PROTECTION FENCING

NTS JAX-FG-12

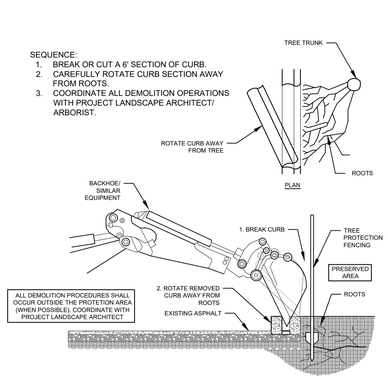
NOTES:
CONTRACTOR TO REMOVE ASPHALT AND ASSOCIATED BASE MATERIAL TO EXISTING SOIL DEPTH. BACKFILL WITH APPROVED SOIL MIXTURE.
ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST PRIOR TO DEMOLITION.

SEQUENCE:
1. INSTALL PROTECTION FENCE.
2. SAW-CUT A LINEAR SECTION OF ASPHALT.
3. CAREFULLY EXCAVATE PAVING TO SUB-GRADE BY PEELING BACK ASPHALT.
4. INVESTIGATE TO DETERMINE EXTENT OF ROOT SYSTEM.
a. NO ROOT GROWTH- EXCAVATE FROM BACK OF CURB TO EXTENT OF PROPERTY IMPROVEMENTS.
b. ROOT GROWTH- ROOT PRUNE PER PLAN.
c. INSTALL A 20 MIL ROOT BARRIER AT ROOT PRUNE LINE. LOOSEN SOIL WITH HAND TOOLS OR AIR-SPADE THROUGHOUT EXTENT OF EXPANDED PLANTING AREA.



PAVEMENT DEMOLITION PROCEDURE

SEQUENCE:
1. BREAK OR CUT A 6' SECTION OF CURB.
2. CAREFULLY ROTATE CURB SECTION AWAY FROM ROOTS.
3. COORDINATE ALL DEMOLITION OPERATIONS WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST.



CURB DEMOLITION PROCEDURE

2 / C3.50 PAVEMENT DEMOLITION PROCEDURE

NTS JAX-FE-FBH-16

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

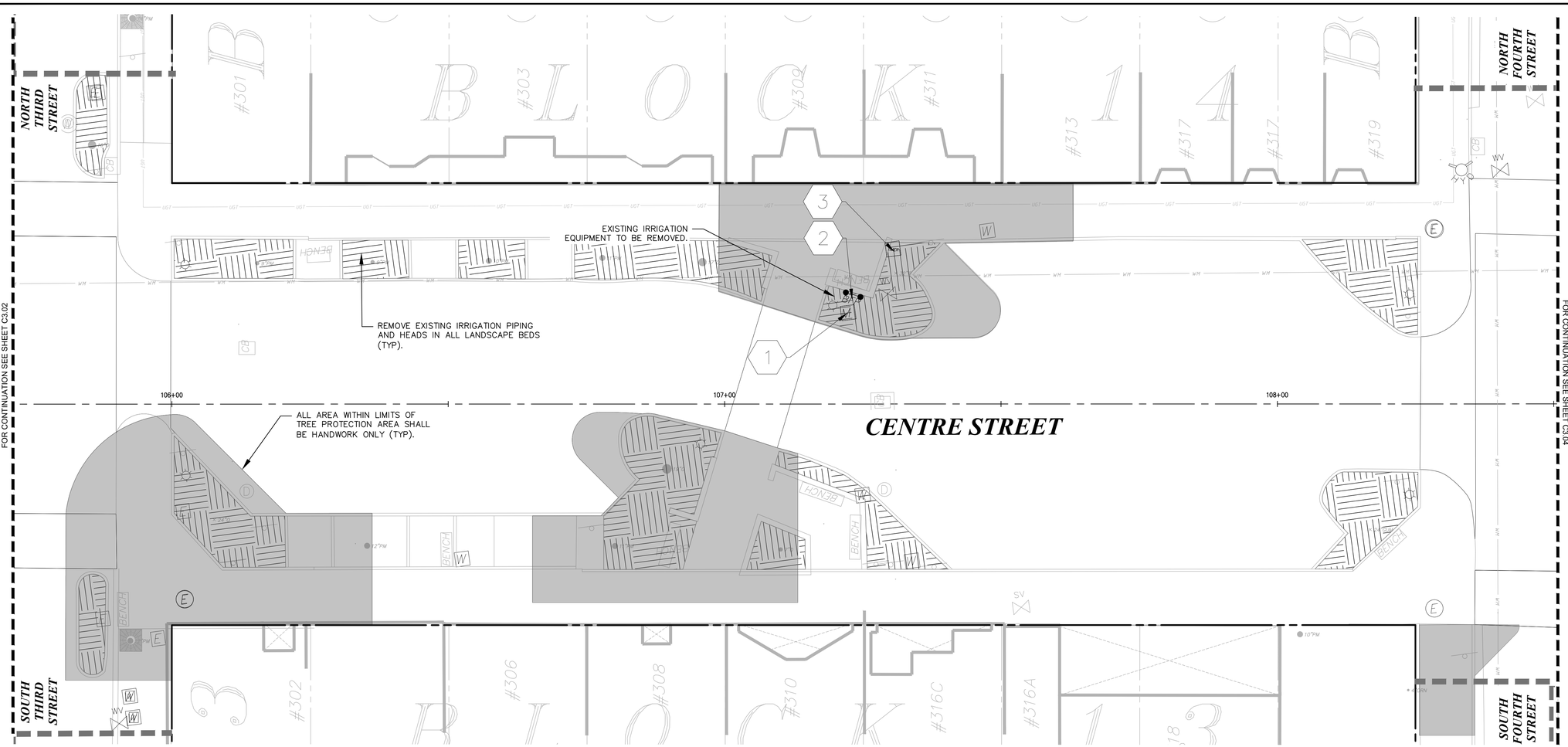
KHA PROJECT 142806005	DESIGNED BY: KHA
DATE 01/08/2025	DRAWN BY: NL
SCALE: AS SHOWN	CHECKED BY: MAJ

TREE DISPOSITION NOTES & DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.50

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C3.03 January 08, 2025 10:30:50am K:\JAX_LAP\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



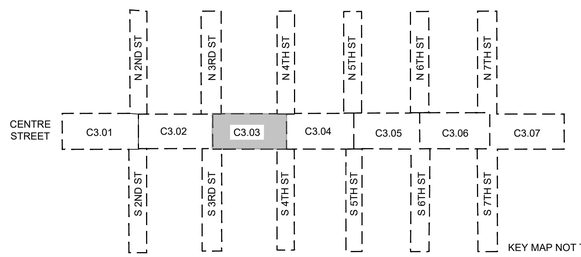
NOTES:
1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.

LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM COM COM	PROPOSED ELECTRIC

IRRIGATION DEMOLITION LEGEND

	EXISTING TREE PROTECTION AREA (CRITICAL ROOT ZONE AREAS MUST BE DONE BY HAND).
	EXISTING IRRIGATION EQUIPMENT IN LANDSCAPE BED TO BE REMOVED
1 M	EXISTING WATER METER TO BE REMOVED
2 BFP	EXISTING BACKFLOW PREVENTER TO BE REMOVED
3 TIMER	EXISTING IRRIGATION CONTROLLER TO BE REMOVED



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

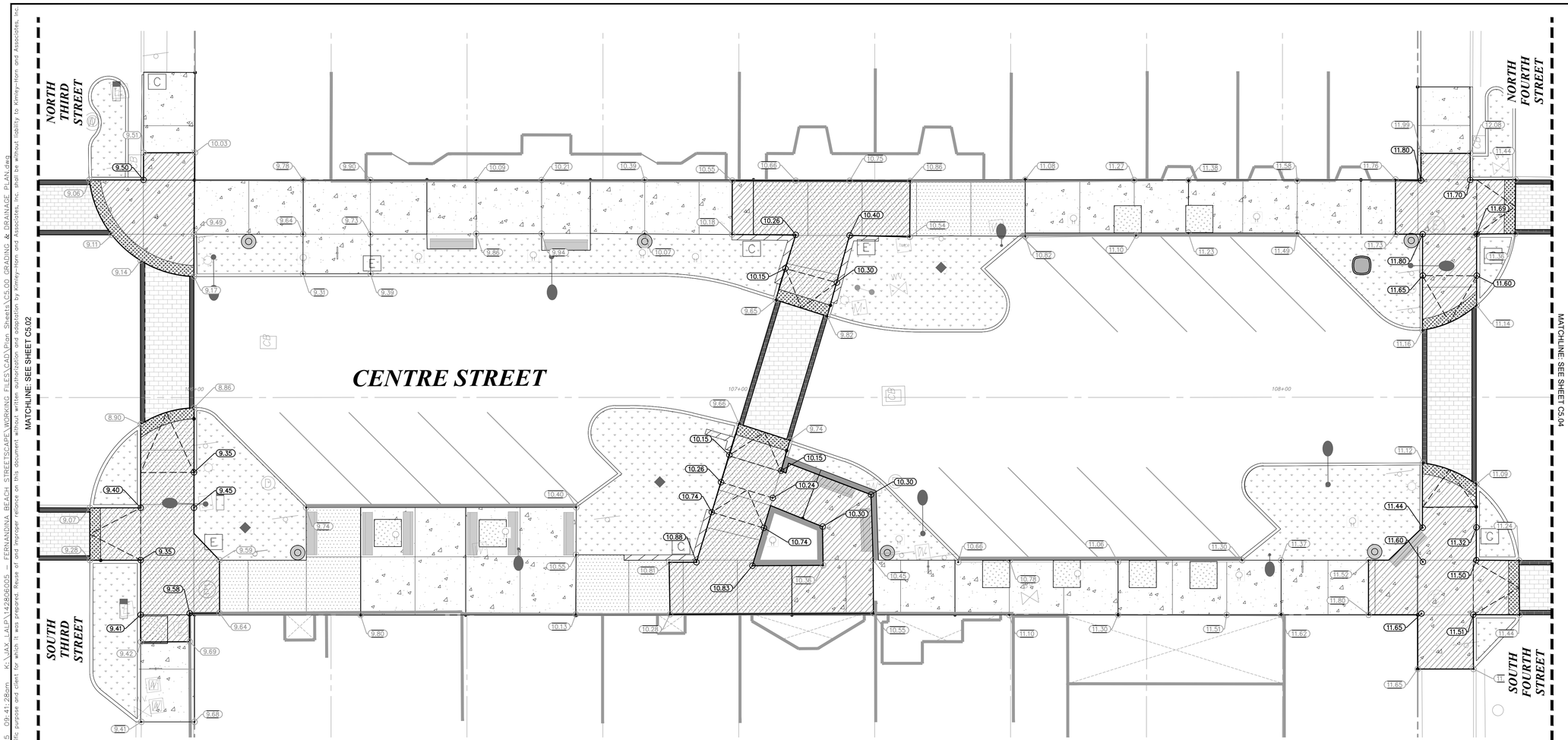
FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

IRRIGATION DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
C3.03



LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
D	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

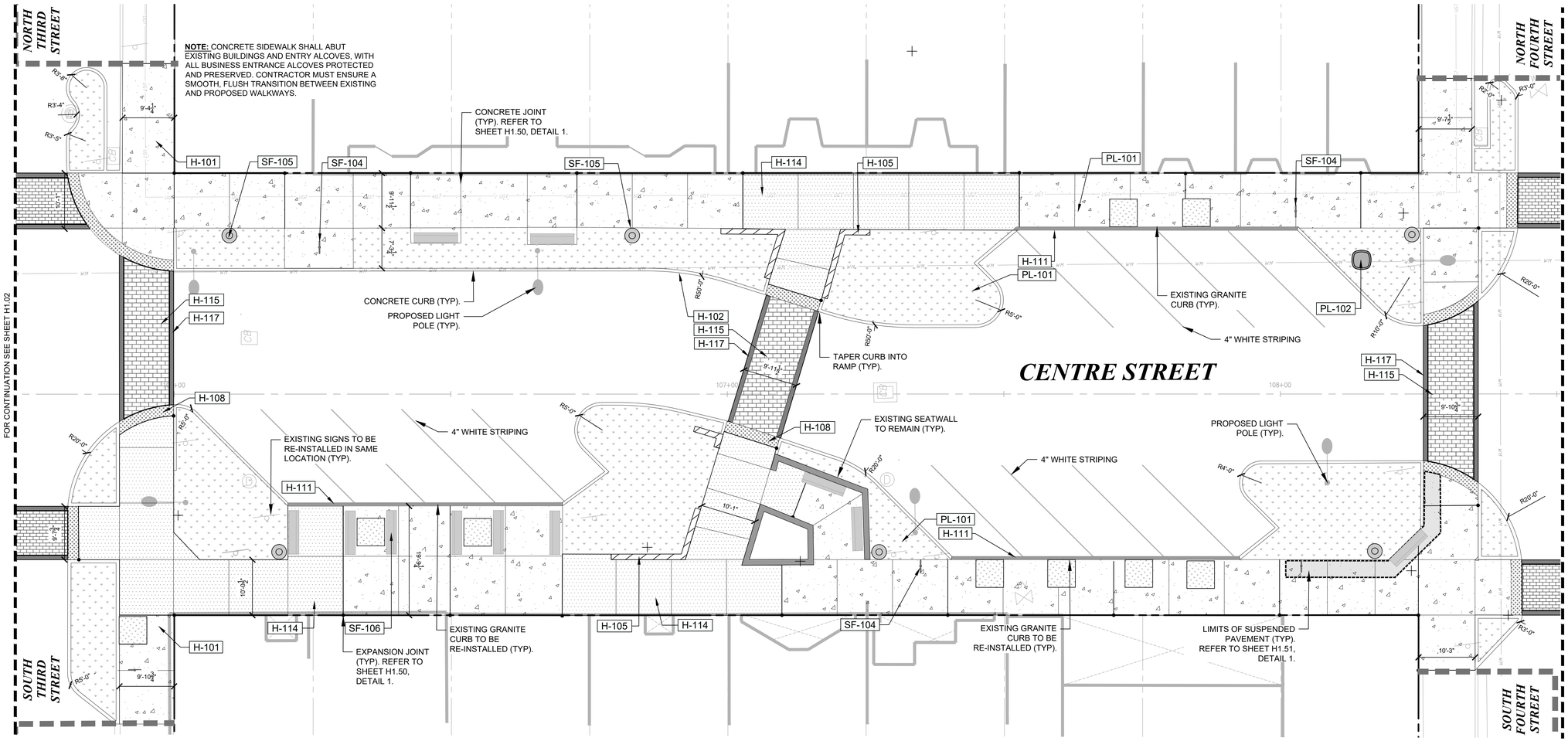
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	CRZ
DRAWN BY:	##
CHECKED BY:	BSD

GRADING AND DRAINAGE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C5.03

Plotted By:Zieqmont, Charles Sheet Set:########################## Layout:C5.03 January 08, 2025 09:41:28am K:\JAX_LAP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CAD\Plan Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



HARDSCAPE SCHEDULE - H1.03

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,451 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,520 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	141 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	218 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	310 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	141 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,150 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	759 SF	
	H-117	CONCRETE BAND - CROSSWALKS	493 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,929 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	11	4/H1.53

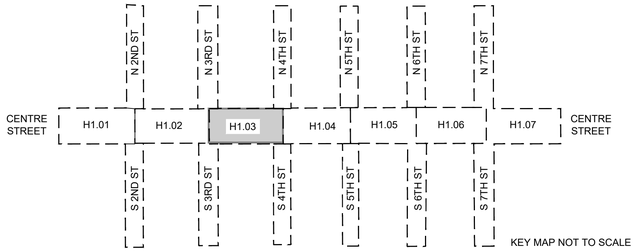
* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

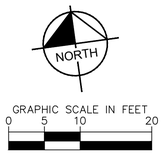
NOTE:

CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.





No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO CD.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.03 January 08, 2025 10:32:34am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL HARDSCAPE SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	33,041 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	10,222 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	534 LF	2/H1.53
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	1,448 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	2,129 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	1,329 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	490 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	8,919 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	5,149 SF	
	H-117	CONCRETE BAND - CROSSWALKS	2,702 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	21,284 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	17	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	26	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	36	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	46	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	8	

HARDSCAPE SCHEDULE - H1.01

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,825 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,127 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	49 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	219 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	243 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	228 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	891 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	580 SF	
	H-117	CONCRETE BAND - CROSSWALKS	365 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,474 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	2	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	5	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.02

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	7,242 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,940 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	194 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	273 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	160 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	194 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,698 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	989 SF	
	H-117	CONCRETE BAND - CROSSWALKS	390 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,161 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	17	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	4	

HARDSCAPE SCHEDULE - H1.03

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,451 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,520 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	141 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	218 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	310 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	141 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,150 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	759 SF	
	H-117	CONCRETE BAND - CROSSWALKS	493 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,929 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	11	4/H1.53

HARDSCAPE SCHEDULE - H1.04

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,892 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,810 LF	3/H1.52
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	222 SF	1/H1.54
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	468 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	448 LF	4/H1.52
	H-115	BRICK CROSS WALK - PROPOSED	885 SF	
	H-117	CONCRETE BAND - CROSSWALKS	410 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	3,080 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	5	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - REINSTALLED & TO REMAIN IN PLACE	7	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.05

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	4,237 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,607 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	66 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	204 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	209 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	99 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,938 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	1,012 SF	
	H-117	CONCRETE BAND - CROSSWALKS	450 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,374 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	6	4/H1.53

HARDSCAPE SCHEDULE - H1.06

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,609 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,138 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	190 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	646 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,623 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	732 SF	
	H-117	CONCRETE BAND - CROSSWALKS	467 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,595 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.07

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,785 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	954 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	121 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	309 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	74 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	619 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	192 SF	
	H-117	CONCRETE BAND - CROSSWALKS	127 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,321 SF	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	2	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

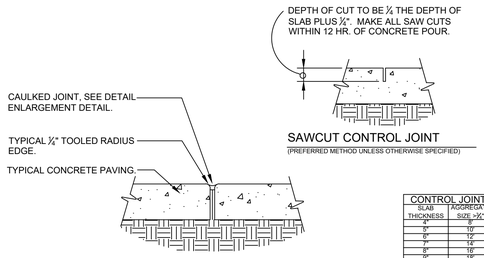
HARDSCAPE PLAN SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.08 January 08, 2025 10:33:47am K:\JAX_LAP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

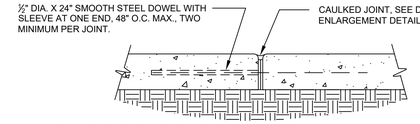


CAULKED EXPANSION JOINT

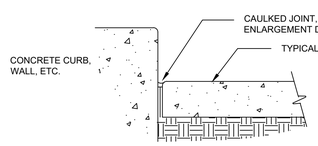
SAWCUT CONTROL JOINT

(PREFERRED METHOD UNLESS OTHERWISE SPECIFIED)

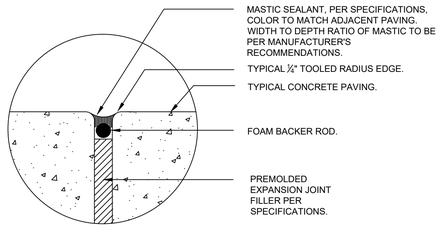
CONTROL JOINT SPACING		
SLAB THICKNESS	AGGREGATE SIZE >¾"	AGGREGATE SIZE <¾"
4"	8'	10'
5"	10'	13'
6"	12'	15'
7"	14'	18'
8"	16'	20'
9"	18'	23'
10"	20'	25'



DOWELED EXPANSION JOINT



CONCRETE PAVING AT VERTICLE PLANE

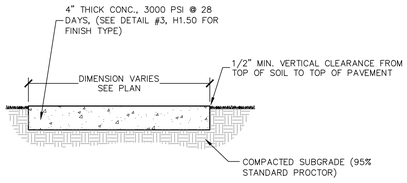


ENLARGED TYPICAL CAULKED JOINT

1 TYPICAL CONCRETE JOINT DETAILS

NTS: SCALE

JAX-FE-14



CEMENT: ASTM C150/C150M, TYPE I - NORMAL PORTLAND TYPE, AQUIRE CEMENT FOR ENTIRE PROJECT FROM SAME SOURCE.

SAND: LOCALLY AVAILABLE SAND

AGGREGATE: COQUINA MAX. ¾", AQCUIRE AGGREGATE FOR ENTIRE PROJECT FROM SAME SOURCE.

CURING COMPOUND: INTENT IS FOR TEXTURE TO MATCH CONCRETE SIDEWALK AT WATERFRONT PARK. ADD MIXTURES:

- HIGH RANGE WATER REDUCING AND RETARING ADMIXTURE: ASTM C494.C494M TYPE G.
- HIGH RANGE WATER REDUCING ADMIXTURE: ASTM C494/C494M TYPE F.
- DO NOT USE CHEMICAL THAT WILL RESULT IN SOLUBLE CHLORIDE IONS IN EXCESS OF 0.1 PERCENT BY WEIGHT OF CEMENT.

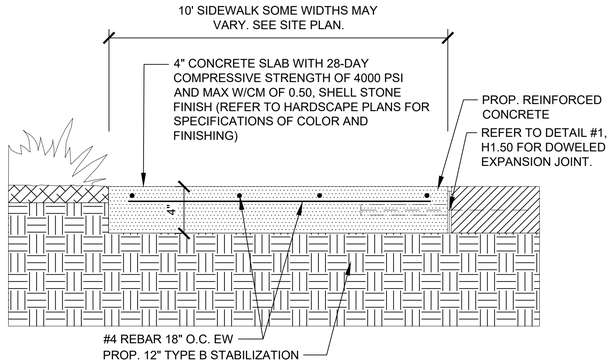
1. A PRE JOB CONFERENCE IS RECOMMENDED BETWEEN OWNER, ENGINEER, LANDSCAPE ARCHITECT, READY-MIX REPRESENTATIVE, AND INSTALLER TO DISCUSS PROJECT APPLICATION AND REVIEW SUBMITTALS.
2. ALL CONCRETE MUST BE BATCHED FROM THE SAME LOCATION.
3. A 10'X10' MOCKUP MUST BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE, SHOWING SHELL STONE (OR ALTERNATIVE) FINISH TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. MOCKUP LOCATION TO BE OFF-SITE AT A LOCATION MUTUALLY AGREED-UPON BY THE CONTRACTOR AND OWNER.
4. PRECAUTIONS MUST BE TAKEN IN HOT WEATHER TO PREVENT PLASTIC CRACKING RESULTING FROM EXCESSIVELY RAPID DRYING AT SURFACE AS DESCRIBED IN CIP 5"PLASTIC SHRINKAGE CRACKING" PUBLISHED BY THE NATIONAL READY MIXED CONCRETE ASSOCIATION.

FINISH:
A. SHELL STONE FINISH

2 CONCRETE SIDEWALK FINISHES

NTS

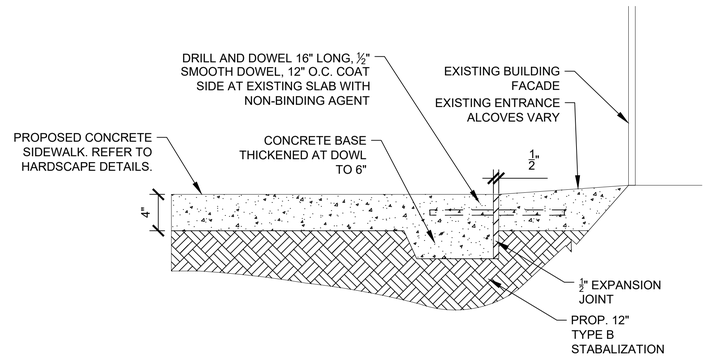
JAX-FE-FBH-15



3 DECORATIVE CONCRETE TREATMENT

6" = 1'-0"

JAX-FE-FBH-34



PRODUCT: SCOFIELD INTEGRAL COLOR SG
MANUFACTURER: SIKA

237 SAND BUFF
237 CORONADO BUFF
447 PRAIRIE BEIGE
447 SCHOONER BEIGE
FINISH: SHELL STONE
SEE HARDSCAPE PLANS FOR SPECIFIC PLACEMENT

CONTRACTOR TO COORDINATE WITH THE PROJECT LANDSCAPE ARCHITECT AND CITY OF FERNANDINA BEACH REPRESENTATIVE FOR FINAL COLOR SELECTION. PROVIDE 6'X6' MOCKUP FOR EACH COLOR OPTION WITH SHELLSTONE TEXTURED FINISH.

4 CENTRE STREET SIDEWALK INTEGRAL COLOR OPTIONS

1" = 10'

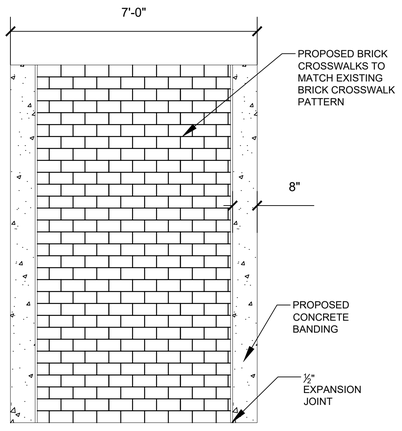
JAX-FE-FBH-41

CONCRETE BAND - STRUCTURAL EDGE:

1. STRENGTH: MINIMUM 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. MIX DESIGN: CONCRETE MIX
3. COLOR: AS SPECIFIED IN DETAIL #4, H1.50
4. EXPANSION JOINT MATERIAL: PRE-MOLDED EXPANSION JOINT FILLER, ½" THICK SUITABLE FOR OUTDOOR USE
5. BONDING AGENT: CONCRETE BONDING ADHESIVE FOR BONDING NEW CONCRETE TO ADJACENT SURFACES AS NECESSARY.
6. CONCRETE BANDING SHALL BE POURED INTO THE FRAMEWORK, ON BOTH SIDES OF PEDESTRIAN BRICK CROSSWALK.

NOTE:

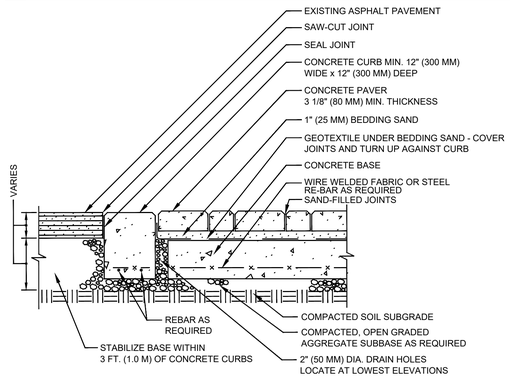
1. EXISTING BRICK CROSSWALKS TO MAINTAIN ITS ORIGINAL PATTERN
2. EXCESS BRICKS REMOVED FOR CONCRETE BANDING SHALL BE RE-PURPOSED FOR PROPOSED BRICK CROSSWALKS.



5 REINFORCED CONCRETE SIDEWALK

1 1/2" = 1'-0"

JAX-FE-FBH-37



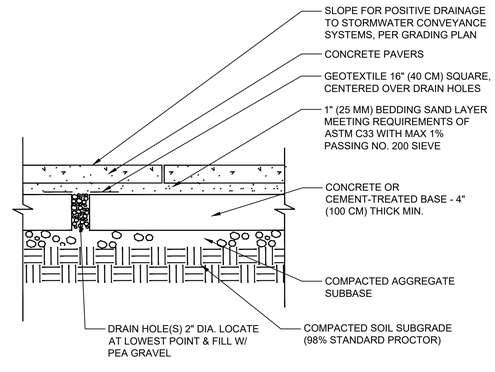
NOTE:

1. BASE THICKNESS AND REINFORCING VARIES WITH TRAFFIC, CLIMATE AND SUBGRADE CONDITIONS.
2. CONCRETE BASE MINIMUM 2% SLOPE FROM CENTERLINE TO CURB.
3. DO NOT PROVIDE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2 FT. (0.6 M) FROM TOP OF SOIL SUBGRADE. PROVIDE DRAIN HOLES TO CATCH BASINS.

6 CONCRETE SIDEWALK ADJACENT TO EXISTING BUILDING ENTRANCE

1 1/2" = 1'-0"

JAX-FE-FBH-40



NOTES:

1. AGGREGATE SUBBASE AND SUBGRADE SOIL MAY REQUIRE DRAINS. DRAINAGE MAY BE ACHIEVED BY EITHER CONTINUOUS 2" WIDE SLOT OR 2" DIA. VOIDS AT 10" O.C./ FILLED WITH PEA GRAVEL AND COVERED WITH GEOTEXTILE.
2. COVER ENTIRE SURFACE OF CEMENT-TREATED BASE WITH GEOTEXTILE TO PREVENT LOSS OF BEDDING SAND IN SHRINKAGE CRACKS.

CONCRETE PAVERS:

STYLE 'A' - 4'X8' BELGARD HOLLAND ANTIQUE RED ADA PAVERS WITH TRUNCATED DOME. PAVERS TO BE LAID IN A RUNNING BOND PATTERN TO MATCH CROSSWALKS.

STYLE 'B' - 18" HEXAGONAL PAVERS SELECTED TO MATCH EXISTING HEXAGONAL PAVERS AS CLOSELY AS POSSIBLE. REFER TO SHEET H1.52, DETAIL 1 FOR PAVER LAYOUT.

NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS AND COLOR SAMPLES FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO CONSTRUCTION AS WELL AS SIEVE ANALYSIS FOR JOINT AND BEDDING SAND.

ALL JOINTS SAND-SWEPT USING POLYMERIC SAND COMPOUND AND WATERED IN PER MANUFACTURER'S SPECIFICATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR SUBGRADE PERORATION PER MANUFACTURER'S SPECIFICATIONS - INSTALL PER ICPI AND MANUFACTURER'S SPECIFICATIONS.

PRIMARY USE IS: CIVILIAN FOOT TRAFFIC

7 CONCRETE BANDING - CROSSWALK

1/2" = 1'-0"

JAX-FE-FBH-44

8 CROSSWALK ON CONCRETE BASE WITH SAND SETTING BED

NTS

DETAIL-FILE

9 CONCRETE PAVERS ON A CONCRETE BASE

NTS

JAX-FE-02

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FL 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.50

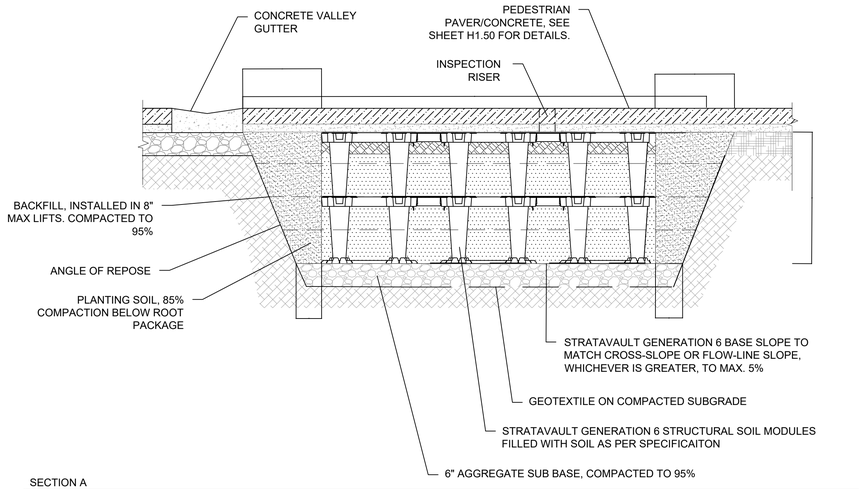
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.50 January 08, 2025 10:33:55am K:\JAX_LA\LP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

CITY GREEN

1. MANUFACTURER:
CITYGREEN
888-999-3990

2. MODEL:
STRATAVAULT

3. PRODUCT TO BE DESIGNED BY MANUFACTURER. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

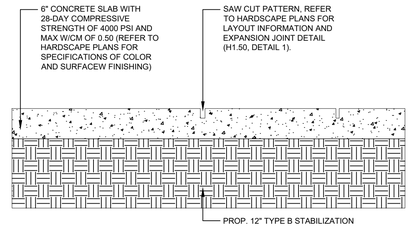


SECTION A
NOT TO SCALE

1 SUSPENDED PAVEMENT

NTS

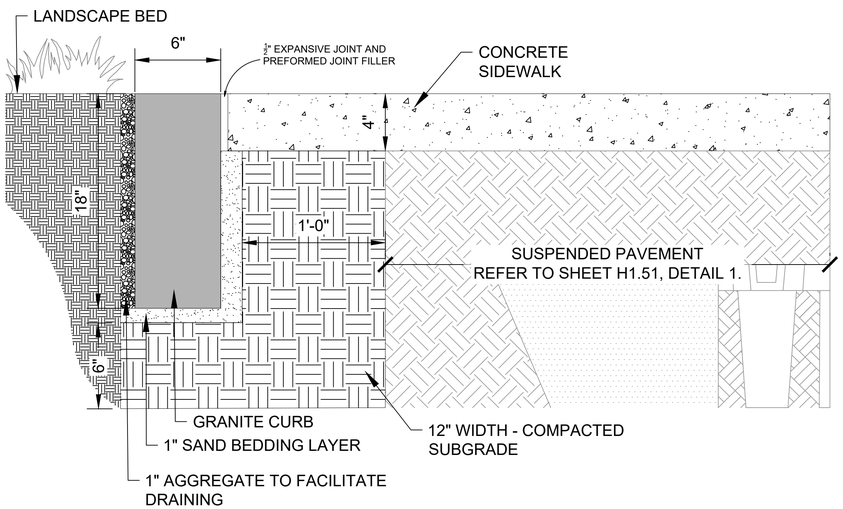
JAX-FE-FBH-48



2 VEHICULAR CONCRETE SECTION

1 1/2" = 1'-0"

JAX-FE-FBH-47



GRANITE CURB INTERFACING SUSPENDED PAVEMENT

- SUBRADE AND BEDDING MATERIAL AROUND SUSPENDED PAVEMENT IS TO BE COMPACTED BUT NOT OVER COMPACTED TO AVOID SOIL COMPACTION WITHIN THE CELLS.
- GRANITE CURB ABUTTING SUSPENDED PAVEMENT SHOULD BE FLUSHED AND DESIGNED TO ACCOUNT FOR OVERFLOWS AND DIRECT WATER TOWARDS DESIRED CATCHMENTS ZONES WITHOUT UNDERMINING SILVA CELLS/ SUSPENDED PAVEMENT.
- WHERE GRANITE CURB MEETS SUSPENDED PAVEMENTS, ANY JOINTS OR TRANSITIONS MUST BE SEALED TO PREVENT SOIL OR DEBRIS INFILTRATIONS.
- INSTALL SUSPENDED PAVEMENT FIRST TO PROTECTED ITS STRUCTURAL INTEGRITY AND ENSURE PROPER SOIL FILLING.
- GRANITE CURB TO HAVE A COMPACTED SUBGRADE AT LEAST 6-12 INCHES WIDER THAN THE CURB BASE ON BOTH SIDES TO PREVENT SETTLING.
- COMPACTED SUBGRADE DEPTH OF 6-8 INCHES.
- A GRANULAR BASE TO BE SELECTED FOR THE STRUCTURAL STABILITY OF THE GRANITE CURB.
- BEDDING LAYER TO BE A 1 INCH THICK LEVELING COURSE OF SAND OVER COMPACTED SUBGRADE FOR PRECISE PLACEMENT.
- COMPACT THE SUBGRADE AND GRANULAR BASE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY (ASTM D698)

3 GRANITE FLUSH CURB INTERFACING SUSPENDED PAVEMENT

2" = 1'-0"

JAX-FE-FBH-49

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

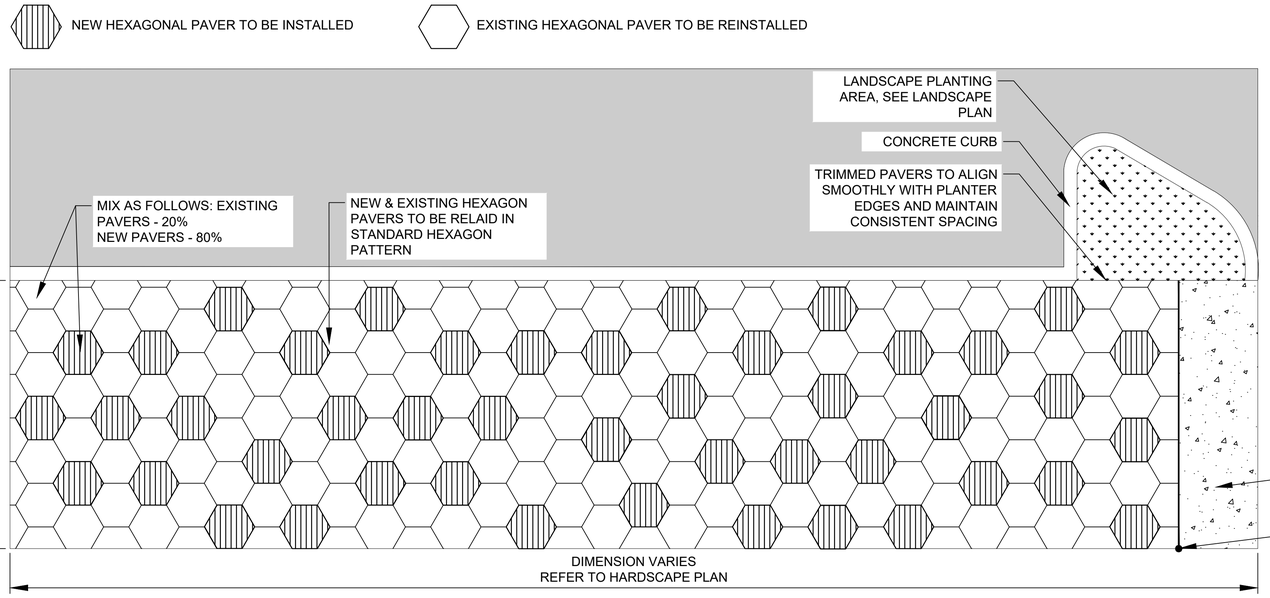
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.51 January 08, 2025 10:34:00am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\color sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTE:

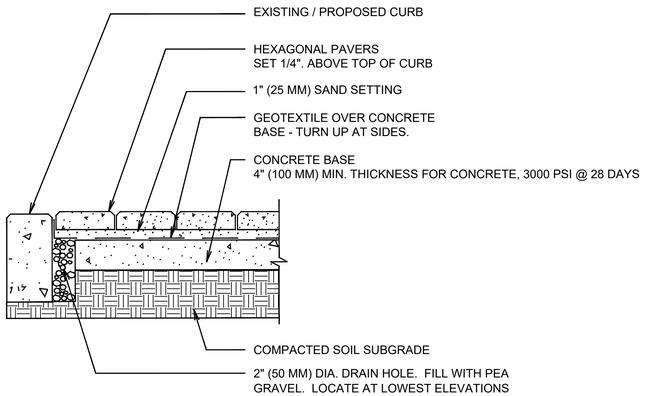
1. FLAT AND SMOOTH INSTALLATION (ADA COMPLIANCE):
- ENSURE ALL PAVERS ARE LAID FLAT AND LEVEL TO CREATE A SMOOTH, CONTINUOUS SURFACE.
- MINIMIZE VERTICAL DISPLACEMENT BETWEEN ADJACENT PAVERS TO NO MORE THAN 1/4 INCH AS PER ADA REQUIREMENTS.
- VERIFY THAT JOINT WIDTHS AND SAND-FILLED JOINTS DO NOT CREATE UNEVEN SURFACES OR TRIPPING HAZARDS.
- CONDUCT PERIODIC SURFACE CHECKS DURING INSTALLATION USING A STRAIGHTEDGE OR LEVEL TO CONFIRM COMPLIANCE WITH ADA SLOPE AND FLATNESS STANDARDS.
- ADDRESS ANY IRREGULARITIES IMMEDIATELY TO MAINTAIN A SAFE, ACCESSIBLE, AND COMPLIANT WALKING SURFACE.
- THIS NOTE EMPHASIZES PRECISION TO MEET ADA STANDARDS WHILE GUIDING THE INSTALLATION TEAM.
- CONTRACTOR TO MIX EXISTING AND NEW PAVERS RANDOMLY AS SHOWN

HEXAGONAL PAVER QUANTITY TO BE REMOVED & RE-USED
EXISTING HEXAGONAL PAVERS (OLD): 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE REMOVED: 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE RE-USED: 1,705 SF
HEXAGONAL PAVERS (NEW PAVERS): 2,342 SF
4" CONCRETE BASE FOR HEXAGONAL PAVERS: 4,047 SF

1 HEX PAVER PATTERN ENLARGEMENT

3/8" = 1'-0"

JAX-FE-FBH-26

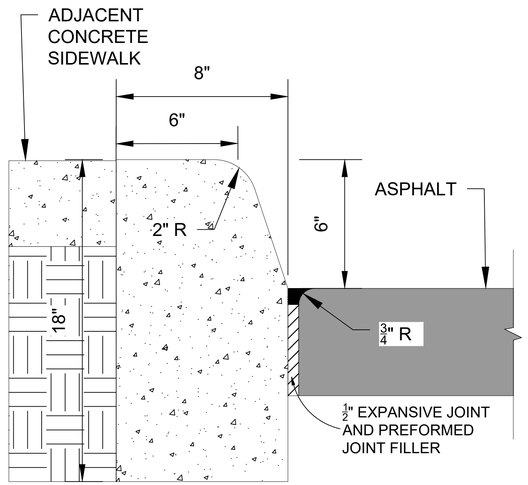


NOTES:
1. THICKNESS REQUIREMENTS WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE. COLDER CLIMATES MAY REQUIRE THICKER BASES.
2. CONSULT ICPI TECH SPEC 2 FOR GUIDELINES ON SPECIFICATIONS FOR BASE MATERIALS, SUBGRADE SOIL AND BASE COMPACTION.

2 HEXAGONAL PAVER ON SIDEWALK

1/16" = 1'-0"

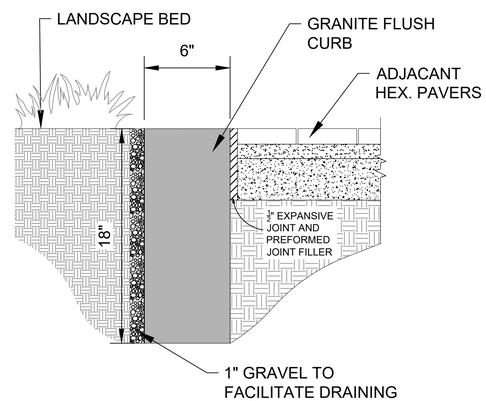
JAX-FE-FBH-35



3 CONCRETE CURB - TYPE 'D'

3" = 1'-0"

JAX-FE-FBH-39



4 GRANITE FLUSH CURB - RELOCATED & REINSTALLED

2" = 1'-0"

JAX-FE-FBH-42

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

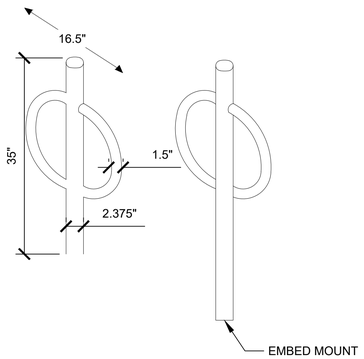
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

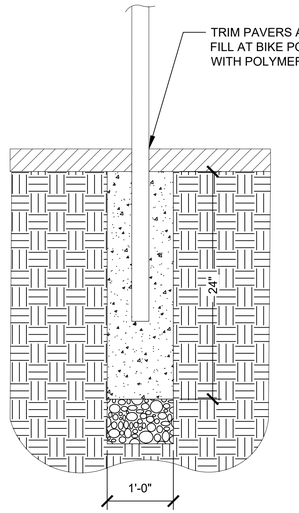
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.52 January 08, 2025 10:34:05am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





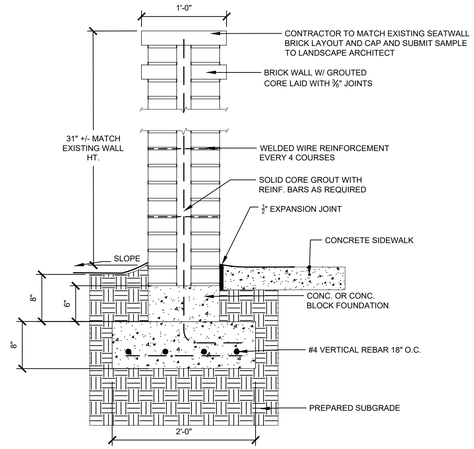
BIKE RACK - CITY OF FERNANDINA BEACH

1. MANUFACTURER: BELSON OUTDOORS
2. MODEL: PAR-2-IG-P GC-238 , STANDARD BOLLARD BIKE RACK WITH OPTIONAL GROUT COVER
3. FINISH: BLACK POWDER-COAT
4. INSTALL OWNER FURNISHED BIKE RACK PER MANUFACTURER'S SPECIFICATIONS, IN GROUND MOUNT
5. BIKE RACKS (NEW) QUANTITY: 20 BIKE RACKS.
6. RE-INSTALL BIKE RACKS EXISTING QUANTITY: 4 BIKE RACKS.

1 BIKE RACK

NTS

JAX-FE-36



2 BRICK SEAT WALL - RELOCATED & REINSTALLED

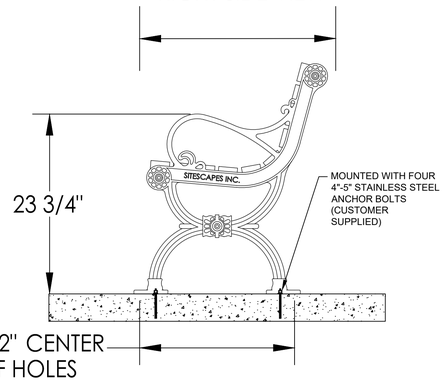
1" = 1"

JAX-FE-FBH-20

SITESCAPES SPECIFICATION: ARLINGTON DECORATIVE CAST END SEATING

(1.1) DESCRIPTION:
SECTIONS INCLUDES INFORMATION, MATERIALS, AND OPTIONS FOR PRODUCTS MANUFACTURES BY STIESCAPES, INC. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS

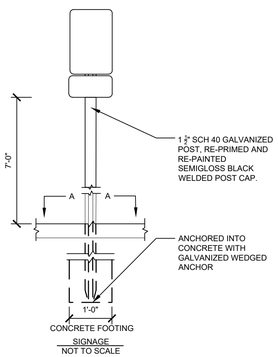
(3.2) INSTALLATION:
BENCHES MAY BE SURFACE MOUNTED USING THE HOLES THAT ARE PREDRILLED IN EACH OF THE FOOTPLATES. BENCHES ARE TO BE MOUNTED WITH FOUR Ø1/2" X 4-5" STAINLESS STEEL ANCHOR BOLTS, WHICH ARE CUSTOMER SUPPLIED. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL PRODUCT IS IN PLACE. THIS SITESCAPES, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.



3 EXISTING BENCH INSTALLATION

1/4" = 1'-0"

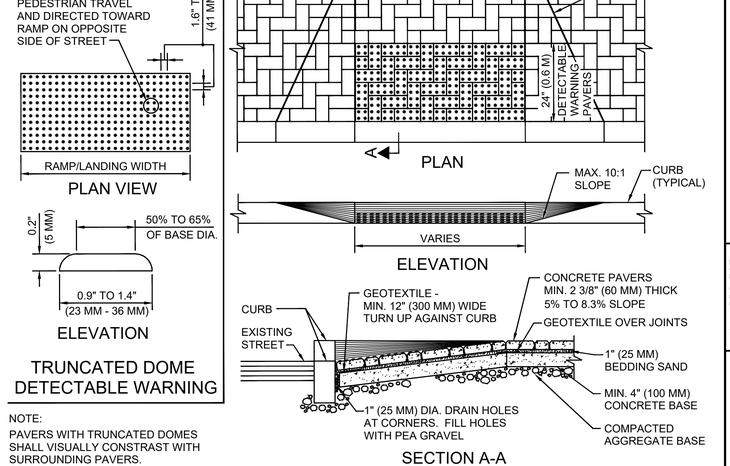
JAX-FE-38



5 SIGN REINSTALLATION

1" = 1'-0"

JAX-FE-24



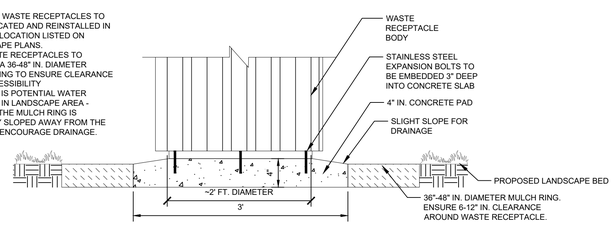
6 CONCRETE CURB RAMP - DETECTABLE WARNING PAVERS

1 1/2" = 1'-0"

JAX-FE-FBH-46

NOTES:

1. EXISTING WASTE RECEPTACLES TO BE RELOCATED AND REINSTALLED IN CHOSEN LOCATION LISTED ON HARDSCAPE PLANS.
2. ALL WASTE RECEPTACLES TO INCLUDE A 36-48" IN. DIAMETER MULCH RING TO ENSURE CLEARANCE FOR ACCESSIBILITY
3. IF THERE IS POTENTIAL WATER POOLING IN LANDSCAPE AREA - ENSURE THE MULCH RING IS SLIGHTLY SLOPED AWAY FROM THE BASE TO ENCOURAGE DRAINAGE.



4 WASTE RECEPTACLE REINSTALLATION

1" = 1'-0"

JAX-FE-FBH-23

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

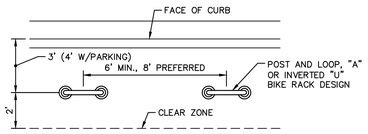
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

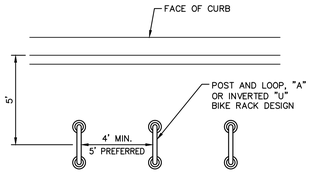
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.53

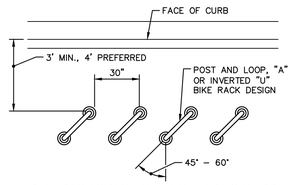
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.53 January 08, 2025 10:34:10am K:\JAX_LALP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



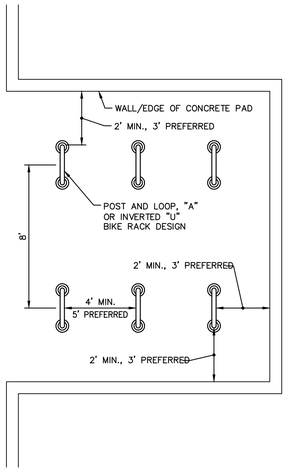
BIKE RACK SPACING - PARALLEL TO CURB



BIKE RACK SPACING - PERPENDICULAR TO CURB



BIKE RACK SPACING - ANGULAR TO CURB

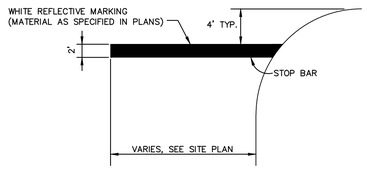


BIKE RACK SPACING - ADJACENT TO WALL

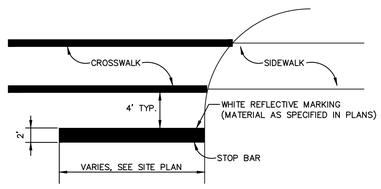
1 BIKE RACK SPACING

NTS

JAX-FE-FBH-50



WITHOUT CROSSWALK

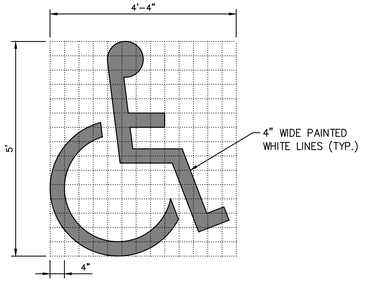


WITH CROSSWALK

3 STOP BAR

NTS

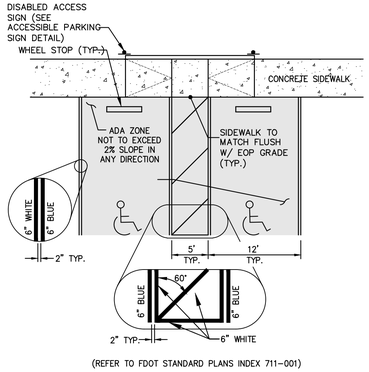
DETAIL-FILE



5 HANDICAPPED PARKING SYMBOL

NTS

DETAIL-FILE



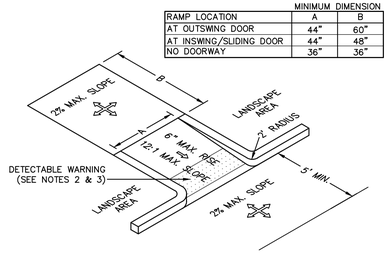
(REFER TO FDOT STANDARD PLANS INDEX 711-001)

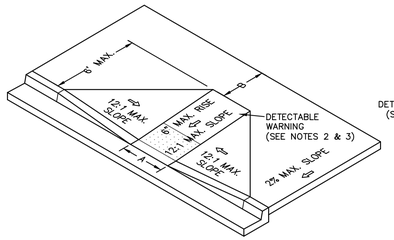
6 ADA PARKING

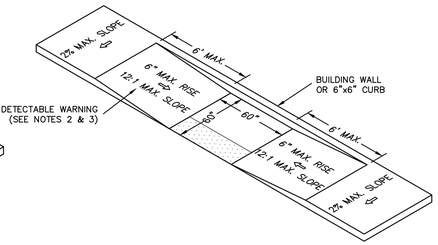
NTS

DETAIL-FILE

RAMP LOCATION	MINIMUM DIMENSION A	MINIMUM DIMENSION B
AT OUTSWING DOOR	44"	60"
AT INSWING/SLIDING DOOR	44"	48"
NO DOORWAY	36"	36"







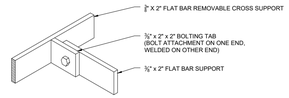
NOTES:

1. ALL CURB CUT ACCESSIBLE RAMPS AND DETECTABLE WARNING SURFACES SHALL BE INSTALLED BY THE SITE CONTRACTOR.
2. CURB RAMPS SUBJECT TO DEPARTMENT OF TRANSPORTATION REGULATION 49 CFR 37.21 SHALL HAVE A DETECTABLE WARNING COMPLYING WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND A MINIMUM OF 24" DEEP (MEASURED FROM THE BACK OF CURB ON THE RAMP SURFACE).
3. ALL DETECTABLE WARNING SURFACES FOR SIDEWALKS AT CURB CUT HANDICAP RAMP SHALL BE A COUNTY APPROVED YELLOW COLORED COMPOSITE MATERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA INSERTS ARE TO BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL CONFORM TO FDOT STANDARD PLANS INDEX 522-002, CODE OF FEDERAL REGULATIONS PART 36, AND CITY OF JACKSONVILLE STANDARDS.

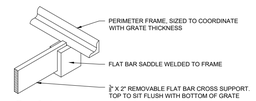
2 ACCESSIBLE RAMP

NTS

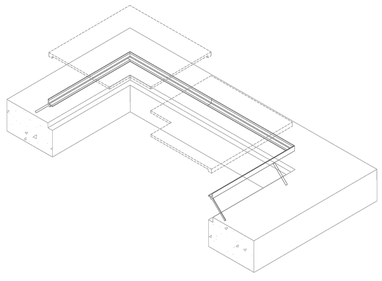
DETAIL-FILE



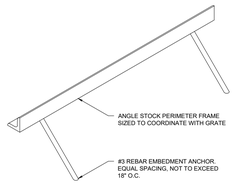
Type S - Isometric
SCALE: NTS



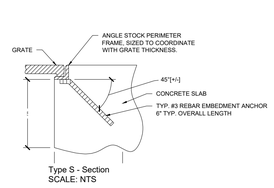
Type S - Isometric
SCALE: NTS



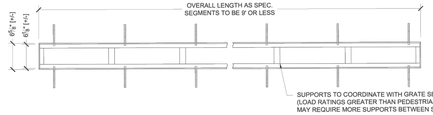
Type S - Exploded Assembly
SCALE: NTS



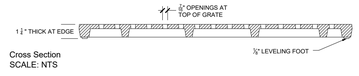
Type S - Isometric
SCALE: NTS



Type S - Section
SCALE: NTS



Example 6" Trench Frame - Plan
SCALE: NTS



Cross Section
SCALE: NTS

TRENCH GRATE:

MATERIAL: 18" X 24" TITLE WAVE TRENCH GRATE BY URBAN ACCESSORIES.

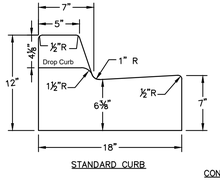
SPECS - TYPE S

TYPE S FRAMES ARE FOR PERMANENT INSTALLS INTO NEW CONCRETE W/O PAVERS. REBAR ANCHORING IS NOT PRE-BENT, BENDING TO BE DONE BY CONTRACTOR PRIOR TO INSTALLATION INTO CONCRETE.

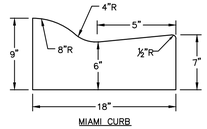
4 TRENCH GRATE

NTS

DETAIL-FILE



STANDARD CURB



MIAMI CURB

CONCRETE QUANTITIES:

CITY STANDARD CURB .0368889 CU. YD./LIN. FT.
MIAMI CURB .0325926 CU. YD./LIN. FT.

7 TRADITIONAL CURBING

NTS

DETAIL-FILE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

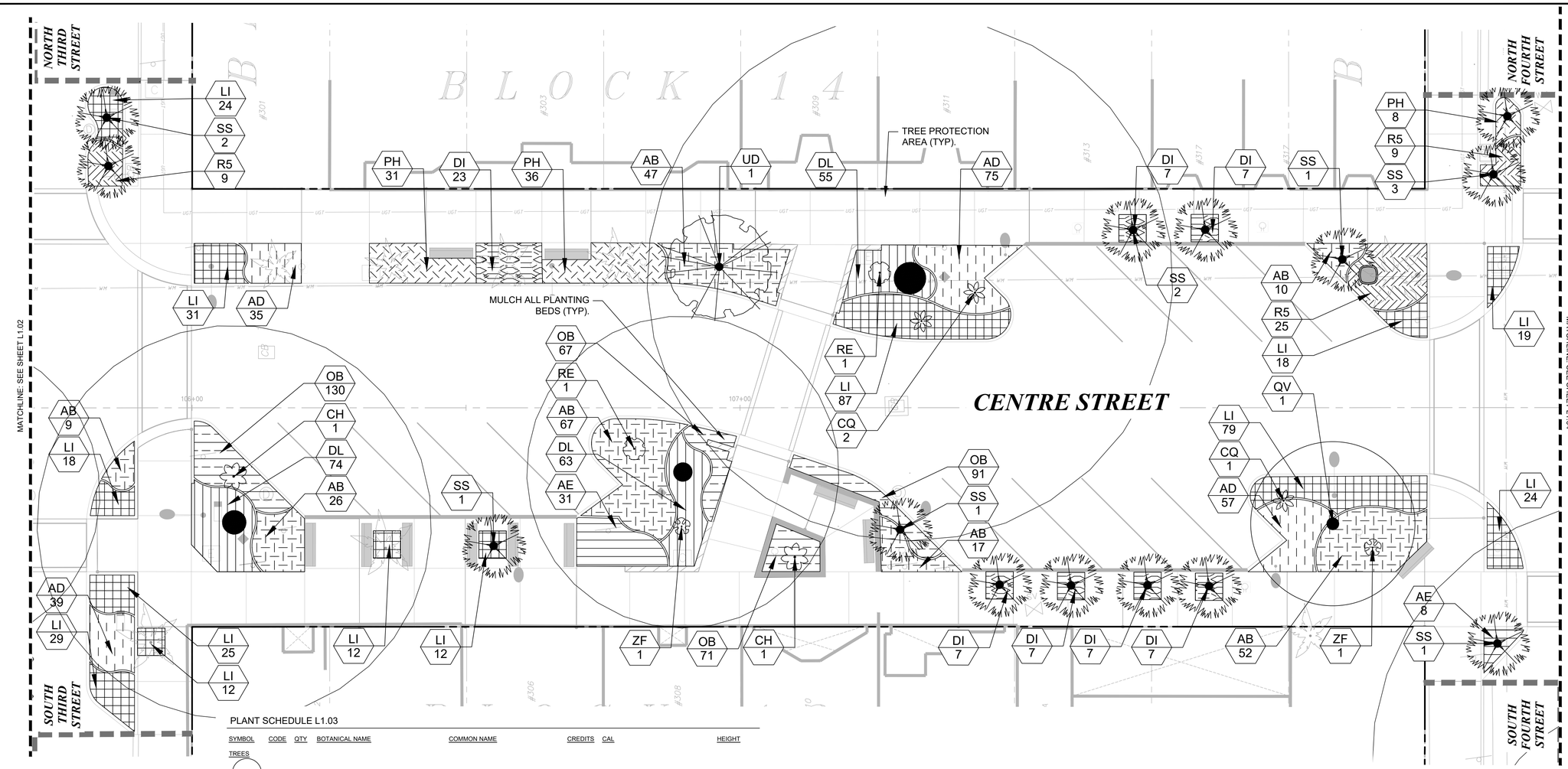
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER H1.54

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.54 January 08, 2025 10:34:54am K:\JAX_LAL\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

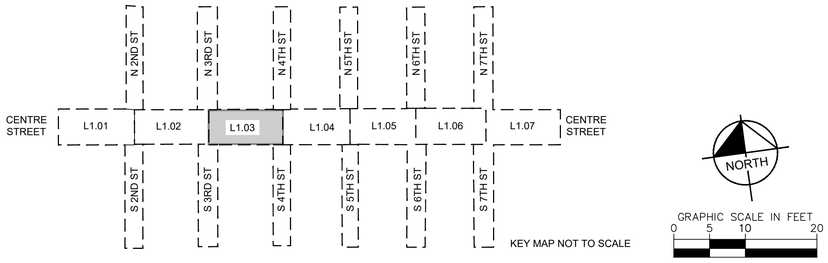


TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

PLANT SCHEDULE L1.03

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT	
TREES								
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT	
	SS	15	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT	
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT	
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		6
	CQ	3	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		4
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		4
	ZF	2	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		3
GROUND COVERS								
	AB	228	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	2
	AD	206	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	1
	AE	39	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	2
	DI	65	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	2
	DL	192	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	1
	LI	390	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	1
	OB	359	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	1
	PH	75	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	2
	R5	43	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	3



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DATE	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
142806005	01/08/2025	AS SHOWN	KHA	ZRF	MAJ

PLANTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.03 January 08, 2025 10:35:55am K:\JAX_LA\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	2	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	EO	12	EXISTING LIVE OAK	EXISTING LIVE OAK	CONT.		
	EC	15	EXISTING UNDERSTORY	EXISTING UNDERSTORY	CONT.		
	LM	28	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	XE	17	OFF-SITE TREE	OFF-SITE TREE	CONT.		
	QV	27	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	178	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	10	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	17	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		
	CQ	12	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			
	RE	6	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		
	ZF	18	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		
GROUND COVERS								
	AB	871	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL		24" O.C.
	AD	1,115	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL		24" O.C.
	AE	448	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL		24" O.C.
	DI	387	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL		24" O.C.
	DL	1,201	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL		24" O.C.
	LI	2,885	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL		18" O.C.
	OB	2,714	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"		12" O.C.
	PH	452	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN		24" O.C.
	R5	363	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL		30 O.C.

PLANT SCHEDULE L1.01

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	4	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	3	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	272	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	75	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	114	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	LI	300	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	115	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	56	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.02

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	8	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	4	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	6	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	97	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	267	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	58	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	42	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	234	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	24" o.c.
	LI	629	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	683	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	67	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	84	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.03

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	15	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	3	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	2	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	228	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	206	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	39	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	65	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	192	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	390	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	359	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	75	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	43	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.04

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	3	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	6	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	2	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	1	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	63	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	135	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	DI	28	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	166	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	679	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	128	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	202	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	75	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.05

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	9	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	7	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	101	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	242	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	109	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	349	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	399	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	958	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	35	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	50	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.06

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	2	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	4	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	ZF	3	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	122	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	41	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	35	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	223	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	209	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	320	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	44	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.07

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			48" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	68	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	87	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	105	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	37	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	279	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	151	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	73	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	11	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.08 January 08, 2025 10:36:49am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING SCHEDULE

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.08

TYPICAL PLANTING NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: OBTAINING ALL APPLICABLE PERMITS, FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS SPECIFIED HEREIN.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM CONTRACTOR NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

3. THE CONTRACTOR SHALL SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF THE DEPARTMENT OF TRANSPORTATION (DOT) DESIGN STANDARDS IF A DIRECT APPLICATION OF THE STANDARD IS PROPOSED. THE CONTRACTOR SHALL SUBMIT IN WRITING A STATEMENT INDICATING THE STANDARD INDEX AND PAGE NUMBER NO LESS THAN 10 BUSINESS DAYS PRIOR TO START OF CONSTRUCTION. WHEN A DIRECT APPLICATION OF DOT STANDARD IS NOT ACCEPTABLE A PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A PROFESSIONAL ENGINEER WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC, AS DEFINED BY DOT FOR APPROVAL BY THE COUNTY ENGINEER'S REPRESENTATIVE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON INFORMATION FURNISHED BY THE OWNER OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

5. NOTIFY THE OWNER IMMEDIATELY IF ANY DAMAGES OCCUR TO EXISTING TREES.

6. CALL ONE CALL (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

C. PROTECTION OF EXISTING PLANT MATERIALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC... THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE.

2. SEE TREE MITIGATION PLAN AND NOTES.

D. MATERIALS

1. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY* (OR TAGGED IN NURSERY)
	*IN SOME INSTANCES AN IMAGE TAKEN OF THE PLANT WITH A MEASURING STICK WILL SUFFICE
ROOT BARRIER	NOS SM 2420 ROOT BARRIER (OR APPROVED EQUAL) INSTALL PER MANUFACTURERS' SPECIFICATIONS IN LOCATIONS SHOWN ON PLANS.

2. PLANT MATERIALS

a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE GRADE NO. 1 OR BETTER AS DETERMINED BY THE APPROPRIATE STATE DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.

b. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

c. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:

2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.

b. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.

c. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.

d. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL, MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.

e. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.

2. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

F. WATER

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

* WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

* FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

1. MULCH SHALL BE DOUBLE SHREDDED HARDWOOD MATERIAL
2. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF THREE (3) INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). SEE PLAN FOR MULCH SPECIFICATIONS.

3. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA WITH PINNED WEED BARRIER FABRIC IN EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT (6' MINIMUM) PLANTED UNDER THIS CONTRACT.

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED (B&B), AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROUTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS: ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.

4. RPG="ROOTS PLUS GROWER" CONTAINER PRODUCTS SHALL BE USED WHERE SPECIFIED.

K. MATERIALS LIST

1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION.

2. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

L. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

M. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.

3. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

4. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ONSITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

5. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

6. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

7. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES. ANY DAMAGES CAUSED BY CONTRACTOR WILL BE THE CONTRACTOR'S RESPONSIBILITY.

8. FOLLOW PLANTING SPECIFICATIONS IN PLANTING DETAILS

9. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC.., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

10. TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

11. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6". REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

12. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO ENSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK.

N. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

O. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING TREE GUY SUPPORTS NECESSARY) TO ENSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR OR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

P. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

Q. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

2. ALL TREES ARE REQUIRED TO HAVE 2-YEAR MAINTENANCE AGREEMENT COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

3. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.

4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

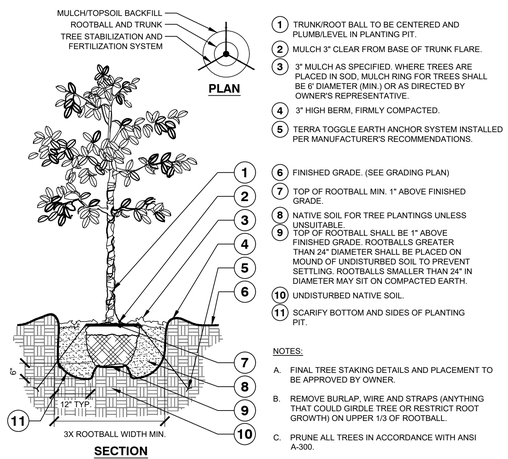
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

PLANTING NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.50 January 08, 2025 10:36:51am K:\JAX_LA\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTES:

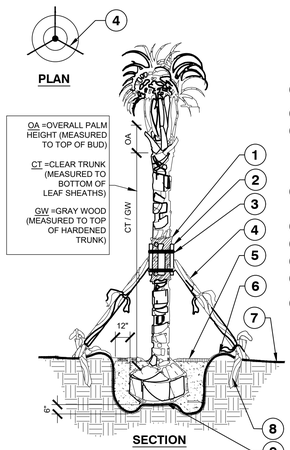
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

1 TREE PLANTING

L-PL-TYP-01



NOTES:

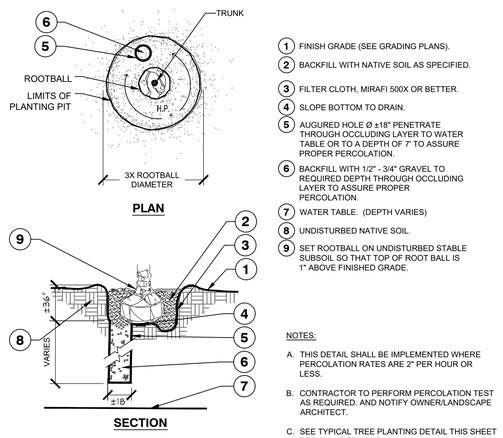
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. ALL TREE STAKING IS TO BE WITHIN MULCH BED AREA OUTSIDE TREE PIT.

C. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION - REFER TO POOR DRAINAGE CONDITION DETAIL.

2 PALM PLANTING AND STAKING

SECTION



NOTES:

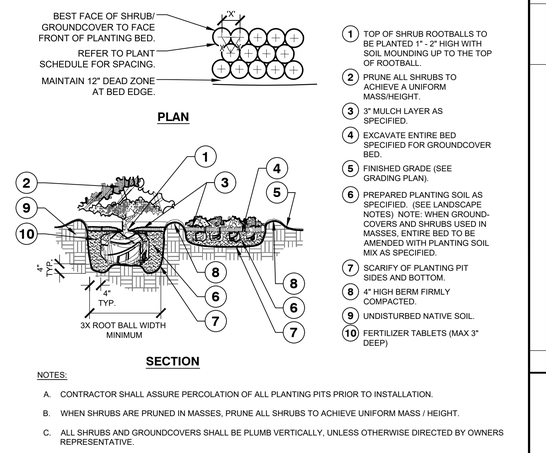
A. THIS DETAIL SHALL BE IMPLEMENTED WHERE PERCOLATION RATES ARE 2" PER HOUR OR LESS.

B. CONTRACTOR TO PERFORM PERCOLATION TEST AS REQUIRED, AND NOTIFY OWNER/LANDSCAPE ARCHITECT.

C. SEE TYPICAL TREE PLANTING DETAIL THIS SHEET FOR PLANT STAKING.

3 POOR DRAINAGE CONDITION

L-PL-TYP-09



NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

4 SHRUB/ GROUNDCOVER PLANTING

L-PL-TYP-03

Model List		
Model #	Height - ft (m)	Caliper - in (mm)
RF0P	Up to 8'	Up to 1.5"
RF0P 4 Leg	Up to 12"	
RF1P	8'-15' (2.5m - 4.5m)	1.5" - 3" (40mm - 75mm)
RF1P 4 Leg	12" - 24" Box	
RF2P	15'-25' (4.5m - 7.5m)	3" - 5.75" (75mm - 150mm)
RF2P 4 Leg	24" - 48" Box	
RF3P	25'-40' (7.5m - 12m)	5.75" - 9.5" (150mm - 230mm)
RF3P 4 Leg	48" - 60" Box	
RF4P	40'+ (12m+)	9.5"+ (230mm+)
RF4P 4 Leg	60" - 84"	
Please contact Platipus representative for boxes over 84"		

5 PLATIPUS TREE ANCHOR WITH DEADMAN FIXING SYSTEM

1" = 10'

JAX-FE-FBP-14

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.51 January 08, 2025 10:36:57am K:\JAX_LALD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

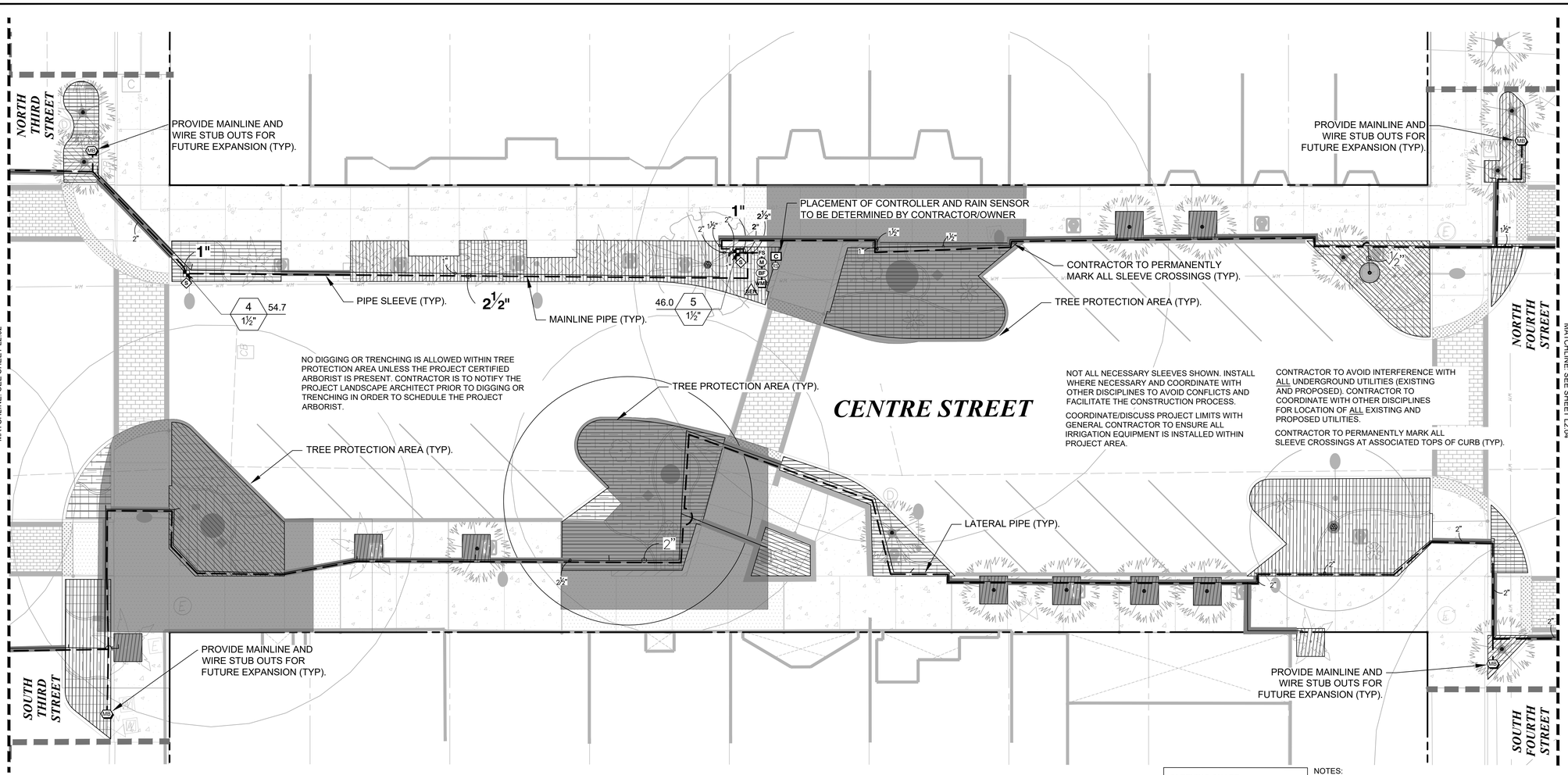
PLANTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.03 January 08, 2025 10:38:01am K:\JAX\LALP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



IRRIGATION SCHEDULE L2.03

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	14
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	2
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1

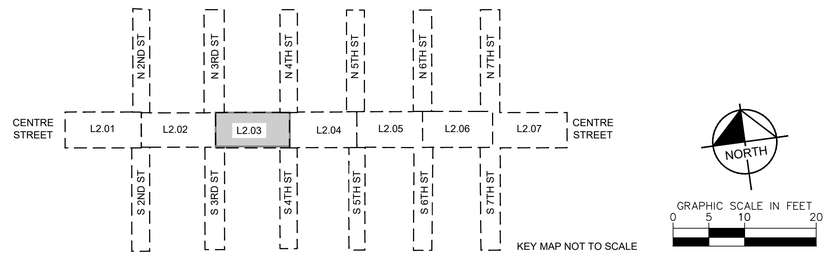
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout
Valve Number
Valve Flow
Valve Size

SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)	
PIPE SIZE	SLEEVE SIZE
1"	2"
1 1/2"	4"
2"	4"
2 1/2"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
2. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

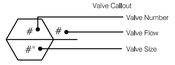
SHEET NUMBER
L2.03

IRRIGATION SCHEDULE L2.01

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	2
	RAIN BIRD XFCV-06-12 DRIP RING PALM	13
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	7
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



IRRIGATION SCHEDULE L2.02

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	3
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	8
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	3
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

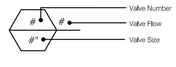
Valve Callout

IRRIGATION SCHEDULE L2.03

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	14
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	2
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

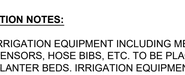


IRRIGATION SCHEDULE L2.04

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	5
	RAIN BIRD XFCV-06-12 DRIP RING PALM	7
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	5
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	3
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

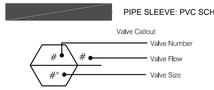


IRRIGATION SCHEDULE L2.05

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	9
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	2
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	2
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	2
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

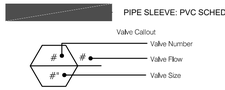


IRRIGATION SCHEDULE L2.06

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	2
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

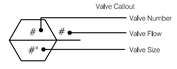


IRRIGATION SCHEDULE L2.07

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING PALM	11
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



VALVE SCHEDULE CENTRE STREET

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PRECIP	TOTAL WATER	RUN TIME
1	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	73.32	33.8	1.44 in/h	0.75 in/h	32 min.
2	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	SPRAY	TBT	TBT	TBT	TBT	TBT
3	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	58.01	34.4	1.44 in/h	0.75 in/h	32 min.
4	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	54.69	33.9	1.44 in/h	0.75 in/h	32 min.
5	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	46.02	33.4	1.45 in/h	0.75 in/h	32 min.
6	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	72.92	36.6	1.44 in/h	0.75 in/h	32 min.
7	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	64.11	32.7	1.44 in/h	0.75 in/h	32 min.

NOTES:

1. IRRIGATION OF NEW LANDSCAPE IS ALLOWED AT ANY TIME OF DAY ON ANY DAY FOR THE INITIAL 30 DAYS AND EVERY OTHER DAY FOR THE NEXT 30 DAYS FOR A TOTAL OF ONE 60-DAY PERIOD, PROVIDED THAT THE IRRIGATION IS LIMITED TO THE MINIMUM AMOUNT NECESSARY FOR ESTABLISHMENT. UPON EXPIRATION OF THIS 60 DAY WINDOW, THE CONTRACTOR IS RESPONSIBLE FOR PROGRAMING THE CONTROLLER TO MEET SJRWMD REQUIREMENTS.
2. THIS SCHEDULE IS PROVIDED FOR CONVENIENCE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ADEQUATE WATERING TO ALL PLANT MATERIAL UNTIL ESTABLISHMENT HAS BEEN REACHED.
3. PROVIDED WATERING SCHEDULE IS PRODUCED BY LAND F/X SOFTWARE FOR SUGGESTED TIMES AFTER ESTABLISHMENT. SCHEDULE MAY VARY BASED ON FIELD CONDITIONS, LANDSCAPE CONTRACTOR TO PROVIDE OWNER WITH ALTERNATIVE WATERING SCHEDULE BASED ON TIME OF PLANTINGS.
5. LANDSCAPE CONTRACTOR TO FOLLOW WATERING SCHEDULE NEEDS BASED ON CHAPTER 40C-2, SUB SECTION 40C-2.042(2) OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT , PERMITTING OF CONSUMPTIVE USES OF WATER. (LISTED BELOW)
SUB SECTION 40C-2.042(2) AFTER ESTABLISHMENT WATERING SCHEDULE DURING DAYLIGHT SAVINGS TIME MAY ONLY OCCUR ON TUESDAYS AND FRIDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. DURING EASTERN STANDARD TIME WATERING SCHEDULE MAY ONLY OCCUR ON TUESDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. MAXIMUM RUN TIME FOR ANY ZONE IS 1 HOUR, AND THE MAXIMUM OUTPUT IS 3/4" PER RUN TIME.

IRRIGATION NOTES:

1. IRRIGATION EQUIPMENT INCLUDING METERS, VALVES, CONTROLLERS, RAIN SENSORS, HOSE BIBS, ETC. TO BE PLACED WITHIN PLANTER BEDS. IRRIGATION EQUIPMENT SHOWN ON SIDEWALK AND STREETS FOR CLARITY ONLY. CONTRACTOR TO VERIFY LOCATION WITH LANDSCAPE ARCHITECT BEFORE INSTALLATION.
2. REFER TO SLEEVING CHART FOR SLEEVE SIZING. ANY MAINLINES OR LATERALS INSTALLED WITHIN VEHICULAR AREAS SHALL BE DOUBLE SLEEVED.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CL01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: L2.08 January 08, 2025 10:39:24pm K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\color sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SPECIFICATION AND NOTES

1. THE SYSTEM SHALL BE DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.

2. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL FIELD VERIFY.

3. CONTRACTOR TO FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.

4. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.

5. IRRIGATION DESIGN IS SCHEMATIC ONLY. FULL AND COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE OWNER'S REPRESENTATIVE.

6. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.

7. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. THE DRAWING SHALL INCLUDE ALL CHANGES MADE TO THE EXISTING IRRIGATION SYSTEM AND ALL NEWLY INSTALLED COMPONENTS INCLUDING ALL SPRINKLERS, STATING BODY TYPES AND NOZZLES, PIPE, INCLUDING SIZES AND THE ENDS OF SLEEVING LOCATIONS AS MEASURED FROM AT LEAST TWO FIXED OBJECTS, CONTROLLER AND WIRE ROUTING. THIS DRAWING MAY BE AN ADAPTATION OF THE IRRIGATION DESIGN WITH ANY CHANGES DRAFTED IN THIS DRAWING. THE DRAWING SHALL ALSO PROVIDE A MINIMUM OF TWO DIMENSIONS TAKEN FROM FIXED OBJECTS TO EACH AUTOMATIC VALVE AND MANUAL CONTROL VALVE. THE AS-BUILT DRAWING SHALL BE DRAWN TO SCALE, PRODUCED IN AUTOCAD OR OTHER DIGITAL DRAFTING PROGRAM, AND DELIVERED AS A PDF AND TWO PRINTED FULL SIZE COPIES.

8. IRRIGATION CONTRACTOR TO PROVIDE POWER SUPPLY TO ELECTRIC CONTROLLERS.

9. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.

10. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS, AS SPECIFIED.

11. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.

12. CONTRACTOR TO COORDINATE LOCATION OF ALL METERS AND BACKFLOW ASSEMBLIES WITH PROJECT OWNER.

13. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.

14. THE CONTRACTOR TO INSTALL PVC PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REVIEW CONSTRUCTION PLANS WITH THE OWNER'S REPRESENTATIVE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO HEAD LINE OR ZONE PLACEMENT.

15. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.

16. ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.

17. SLEEVES UNDER EXISTING PAVEMENT MUST BE DIRECTIONAL BORE. OPEN CUT IS NOT AN OPTION.

18. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.

19. THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR-CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.

20. ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS:

-RECTANGULAR 12"X17" HEAVY DUTY BOX. (PURPLE COVER FOR REUSE TO BE PROVIDED WHERE APPROPRIATE).

21. ALL UNSIZED PIPE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON PLAN. SEE LATERAL PIPE SIZING REQUIREMENTS.

22. EACH TREE AND PALM (AS SHOWN ON THE PLANS) SHALL HAVE A MIN 20 GALLON PER HOUR FLOOD BUBBLER. LOCATE BUBBLER ON THE UPHILL SIDE OF TREES ON ALL SLOPES.

23. ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED ONE (1) FOOT FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).

24. LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2'-0" FROM THE EDGE OF PAVEMENT OR CURB. BACKFLOW, MASTER VALVE, AND FLOW SENSOR SHALL BE A MINIMUM OF 2'-0" FROM BACK OF CURB OR PAVEMENT.

25. IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIPLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.

26. ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND AIR RELIEF VALVE UNLESS THE SPECIFIED DRIPLINE INCLUDES CHECKVALVES. DRIPLINE SHALL PROVIDE 0.9 GPH EMITTERS, 18" O.C. WITH 18" LINE SPACING AT A MINIMUM.

27. IRRIGATION CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL CONTROLLER AND SOIL SENSOR LOCATIONS. THE CONTROLLER SHALL BE PLACED IN A LOCKING CABINET IN THE MOST INCONSPICUOUS AREA APPROPRIATE FOR ITS LOCATION. (INDOOR VS. OUTDOOR USE)

28. CONTRACTOR SHALL PERFORM HYDRO-TESTING OF MAIN LINES.

HYDRO-TESTING TO BE PERFORMED AS LISTED:

THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF TESTING. PRIOR TO BACKFILLING, CONTRACTOR SHALL FILL PIPING WITH WATER, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, TAKING CARE TO PURGE THE AIR FROM IT. A SMALL, HIGH PRESSURE PUMP OR OTHER MEANS OF MAINTAINING A CONTINUOUS WATER SUPPLY SHALL BE CONNECTED TO THE PIPING AND SET SO AS TO MAINTAIN 125 PSI FOR TWO (2) HOURS WITHOUT INTERRUPTION. CONTRACTOR SHALL MAKE ANY NECESSARY CORRECTIONS AND RETEST THE SYSTEM UNTIL THE OWNER'S REPRESENTATIVE IS SATISFIED THAT THE SYSTEM IS REASONABLY SOUND.

29. ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL FOLLOW MANUFACTURERS SPECIFICATIONS. ALL CONTROL WIRE SHALL BE INSTALLED IN A 1-1/4" ELECTRICAL CONDUIT.

30. ALL UNIMPROVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR.

31. INSTALL ALL BACKFLOW PREVENTION DEVICES AND ALL PIPING BETWEEN THE POINT OF CONNECTION AND THE BACKFLOW PREVENTER AS PER LOCAL CODES. FINAL LOCATION SHALL BE DETERMINED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

32. COMMERCIAL LOTS ARE TO UTILIZE SMART IRRIGATION CONTROLLERS WITH SOIL MOISTURE METER SENSORS (SOIL MOISTURE SYSTEMS) TO DETERMINE OPTIMUM MOISTURE LEVELS, SHUT DOWN IRRIGATION, PREVENTING WATER WASTE. THE SOIL MOISTURE SYSTEM SHALL OPERATE AS A PERMISSIVE AND NOT AS A CALL-TO-RUN. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO INSTALL, TEST AND CERTIFY THE SOIL MOISTURE SYSTEM FOR PROPER INSTALLATION AND OPERATION PRIOR TO OCCUPANCY.

33. INSPECT THE CONSTRUCTION SITE BEFORE ANY WORK BEGINS AND FLAG LOCATIONS OF MAINLINE PIPE, SLEEVES, HEADS, AND VALVES FOR REVIEW BY THE OWNER'S REPRESENTATIVE. FLAGS SHALL BE CLEARLY MARKED OR COLORED TO DESIGNATE THE TYPE OF EQUIPMENT TO BE INSTALLED AT THAT POINT. INSTALLATION SHALL NOT COMMENCE UNTIL THE STAKING/FLAGGING HAS BEEN APPROVED.

34. PROVIDE A MINIMUM DEPTH OF COVER OF 18 INCHES FOR ALL MAIN LINE PIPE AND 12 INCHES OF COVER FOR ALL ZONE PIPE AS MEASURED FROM FINISH GRADE.

35. PROVIDE THE MINIMUM DEPTH OF COVER, AS SPECIFIED ABOVE, OVER THE TOP OF THE PIPE BEFORE THE TRENCH IS WHEEL-LOADED.

36. PROVIDE INITIAL BACK FILL MATERIAL THAT IS FINE-GRAINED MATERIAL FREE FROM COMPACTED EARTH GREATER THAN 2 INCHES IN DIAMETER, ROCKS, OR STONES.

37. TAMP THE BACK FILL IN LAYERS NOT TO EXCEED 6 INCHES. LIFT AND COMPACT FIRMLY AROUND THE PIPE AND UP TO AT LEAST 6 INCHES ABOVE THE TOP-OF-PIPE. SUFFICIENTLY MOISTEN THE BACK FILL TO PERMIT THROUGH COMPACTION UNDER AND ON EACH SIDE OF THE PIPE TO PROVIDE SUPPORT FREE FROM VOIDS. AVOID DEFORMING, DISPLACING, OR DAMAGING THE PIPE DURING THIS PHASE OF THE OPERATION. ENSURE THAT WHEN FINISHED, THE SOIL COMPACTION EQUALS THE ORIGINAL CONDITION.

38. SQUARE CUT, CLEAN, AND PIPE ALL JOINTS BEFORE CEMENTING. FULLY ENGAGE ALL JOINTS WHILE CEMENTING. PVC FITTINGS: MAKE ALL SOLVENTS WELD JOINTS IN ACCORDANCE WITH ASTM D2855. PRIME ALL FITTINGS WITH PURPLE PRIMER BEFORE MAKING SOLVENT WELD CONNECTIONS. ALLOW SOLVENT-WELDED JOINTS AT LEAST 1 HOUR TO SET UP BEFORE MOVING OR HANDLING. DO NOT PERMIT WATER IN THE PIPE FOR AT LEAST 24 HOURS AFTER MAKING A SOLVENT WELD ON THAT PIPE UNLESS RECOMMENDED OTHERWISE BY THE SOLVENT CEMENT MANUFACTURER. SEAL ALL THREADED PVC FITTINGS WITH LIQUID TEFLON EXCEPT SPRINKLER HEADS, ELECTRIC VALVE CONNECTIONS, AND SWING JOINTS. INSTALL ALL OF THESE EXCEPTIONS USING 1-INCH TEFLON TAPE.

39. FLUSH ALL PIPELINES BEFORE SPRINKLERS ARE INSTALLED. MAINTAIN A MINIMUM PIPE VELOCITY OF 3 FEET PER SECOND AND FLUSH FOR A MINIMUM TIME OF: T = 2L/3 WHERE T = TIME IN SECONDS AND L = PIPE LENGTH IN FEET FROM INLET POINT TO MOST DISTANT POINT IN THE PIPELINE.

40. INSTALL WIRING IN THE SAME TRENCH AND ALONG THE SAME ROUTE AS AND UNDERNEATH THE MAIN LINE EXCEPT IN LOCATIONS WHERE THE WIRE WILL PASS UNDER PAVING. AT THOSE LOCATIONS, INSTALL THE WIRE INSIDE A PVC SLEEVE. INSTALL CONTROL WIRING THROUGH WALLS, FLOORS, AND SLABS IN PVC SLEEVES.

41. USE UL UF WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS. USE RED #14 AWG WIRE FOR ALL VALVE POWER WIRES. USE WHITE #14 AWG WIRE FOR ALL VALVE COMMON WIRES. USE #14 OR LARGER TWISTED SHIELDED PAIR WIRE FOR ALL TWO-WIRE APPLICATION ON THIS SYSTEM. USE 5/8" OR LARGER COPPER GROUND RODS, COPPER GROUNDING PLATES, CADWELD "ONE SHOT" CONNECTORS AND #6 OR LARGER BARE COPPER WIRE FOR ALL GROUNDING APPLICATIONS FOR THIS SYSTEM. INSTALL GROUNDING AT THE CONTROLLER, ALL DECODER LOCATIONS, AND ALL TERMINATIONS OF THE TWO-WIRE SYSTEM.

42. THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE IN ADVANCE THAT EACH ITEM IS READY FOR INSPECTION AS INDICATED BELOW:

A. FLAGGED UNDERGROUND MAINLINE PIPING, SLEEVES, SPRINKLER AND VALVE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION - NOTIFY 48 HOURS IN ADVANCE.

B. SPRINKLER COVERAGE TEST - NOTIFY 48 HOURS IN ADVANCE.

C. FINAL INSPECTION - NOTIFY 48 HOURS IN ADVANCE.

42. THE CONTRACTOR SHALL ISSUE TO THE OWNER OR OWNER'S REPRESENTATIVE A CERTIFICATE OF WARRANTY OF THE IRRIGATION SYSTEM FOR A PERIOD OF NOT LESS THAN 1 YEAR ON ALL SPRINKLERS, VALVES, THE CONTROLLER, AND THE CONTRACTOR'S LABOR.

43. SUPPLY TO THE OWNER ALL INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING AND ELECTRICAL-RELATED EQUIPMENT, BOUND IN ONE FOLDER. FURNISH THE OWNER WITH ANY KEYS FOR LOCKABLE ITEMS ON THIS SYSTEM.

44. ENSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPE AREAS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING THE INSTALLATION.

45. ALL APPLICABLE CODES SHALL TAKE PRECEDENCE OVER THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFFER TO CO.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

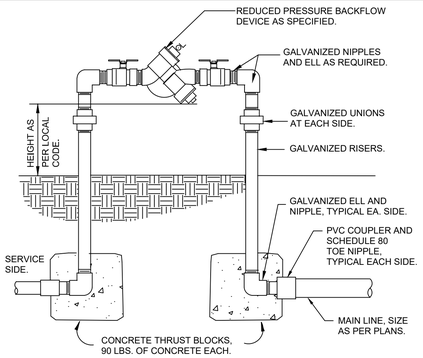
IRRIGATION NOTES

FERNANDINA BEACH STREETSCAPE
IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

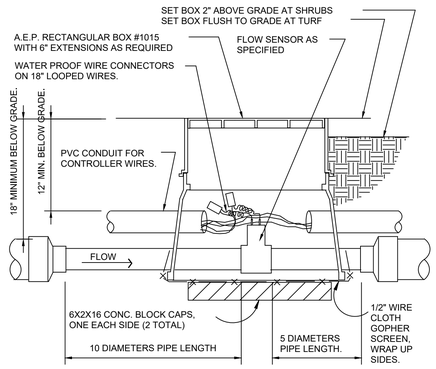
SHEET NUMBER
L2.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.50 January 08, 2025 10:39:26am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



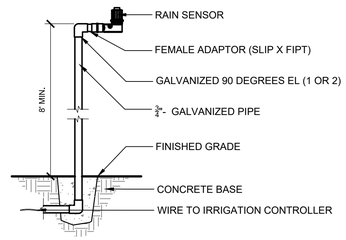
1 REDUCED PRESSURE BACKFLOW DEVICE

1" = 1'-0" L-IR-BAC-03



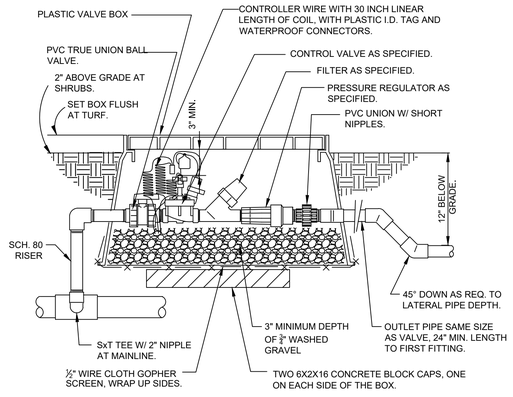
2 FLOW SENSOR ASSEMBLY

NTS L-IR-SEN-01



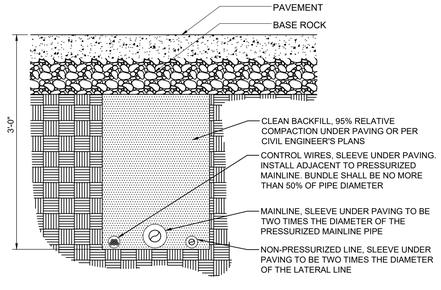
3 RAIN SENSOR- POLE MOUNT

SECTION NTS



4 REMOTE CONTROL VALVE (DRIP)

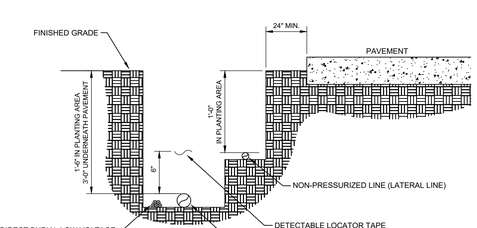
NTS L-IR-DRI-05



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE.
2. ALL SLEEVES SHALL BE SCH. 200 PVC PIPE.
3. ALL SLEEVES SHALL EXTEND 12" BEYOND THE EDGE OF PAVEMENT.
4. END OF SLEEVES SHALL BE LOCATED WITH A WOODEN STAKE OR PVC PIPE. LOCATORS SHALL RUN CONTINUOUSLY FROM THE END OF THE SLEEVE TO FINISHED GRADE.

5 TYPICAL IRRIGATION SLEEVING

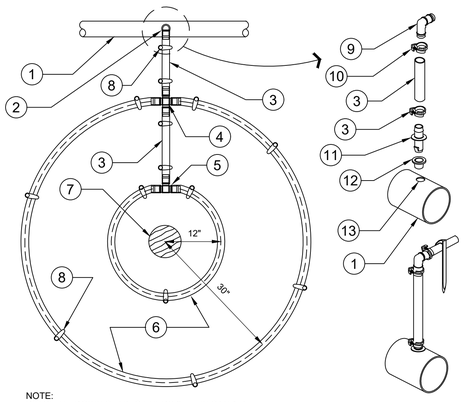
L-IR-EQU-03



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
2. SLEEVING IS REQUIRED AS SHOWN ON PLAN.
3. DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

6 IRRIGATION TRENCHING

NTS L-IR-EQU-10

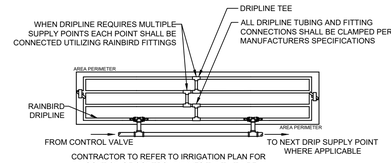


NOTE:
PLACE TIE DOWN STAKES EVERY 3 FT. IN SAND, 4 FT. IN LOAM, AND 5 FT. IN CLAY, AS WELL AS AT ALL CHANGE OF DIRECTION SUCH AS AT TEES OR ELLS.

DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL

7 TYPICAL DRIP IRRIGATION

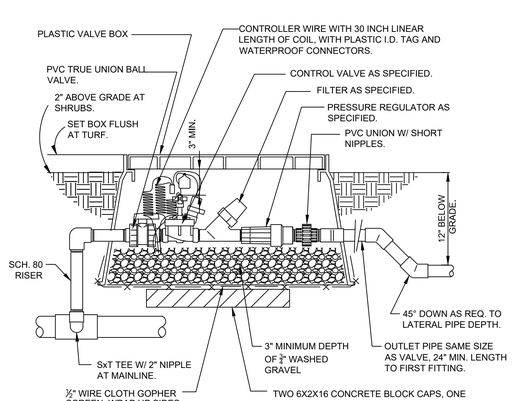
NTS L-IR-DRI-25



CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS.

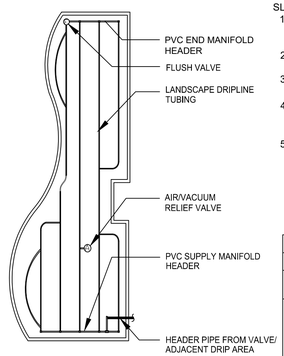
NOTE
1. DRIP TUBING TO BE ROUTED IN THE PLANT MATERIAL BED WITH AT MAXIMUM LATERAL SPACING OF 16 INCHES.
2. DRIP TUBING TO BE INSTALLED IN A GRID PATTERN. DRIP TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.
3. INSTALL WITH AIR RELIEF VALVE, OPERATION INDICATOR AND FLUSH VALVE. INSTALL ALL UNDERGROUND EQUIPMENT IN 12" ROUND VALVE BOX.

1. LATERAL SUPPLY PIPE, SEE PLAN.
2. DRIPLINE CONNECTION TO BELOW GRADE LATERAL PIPE, SEE DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL (TYPICAL CONDITION).
3. POLYETHYLENE TUBING SEE PLAN FOR SIZING.
4. BARB CROSS INSERT FITTING.
5. BARB TEE INSERT FITTING.
6. AT-GRADE DRIPLINE, INNER RING 12" FROM PLANT, OUTTER RING 30" FROM PLANT. DRIPLINE AS SPECIFIED ON PLAN.
7. PLANT TRUNK.
8. TYPICAL ANTELCO ASTA TIE-DOWN STAKE, SEE NOTE.
9. DRIPLINE BARBED INSERT ELL.
10. RATCHET CLAMP AT ALL BARBED CONNECTIONS, ANTELCO PART NO. 44345.
11. INSERT ADAPTER, ANTELCO "XPANDO" PART NO. 45595.
12. ANTELCO "CAPO: RUBBER GROMMET, NO. 45735.
13. DRILL 5/8" HOLE IN PVC LATERAL PIPE WHERE REQUIRED. YOU MUST USE A "FORSTNER" DRILL BIT FOR DRILLING INTO PVC. REMOVE ANY EXCESS BURRS OR ROUGH EDGES.



8 REMOTE CONTROL VALVE (DRIP)

NTS JAX-O9-05



SLOPE CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP 2/3 OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 1/3 OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM 1/3 ON A SEPARATE VALVE.

MAXIMUM LATERAL LENGTH (FEET)	
EMITTER FLOW RATE GPH	
PSI	18" SPACING 0.6
15	314
20	353
30	413
40	465
50	528
60	596

9 TYPICAL DRIPLINE LAYOUT

NTS JAX-O9-27

10 TREE RING DRIPLINE IRRIGATION

N.T.S. JAX-O9-04

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO CO.01 SIGNATURE SHEET

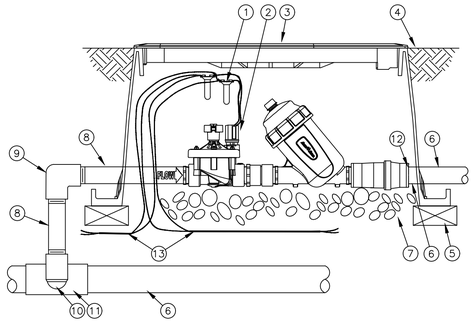
KHA PROJECT 142806005	
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.51 January 08, 2025 10:39:31am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

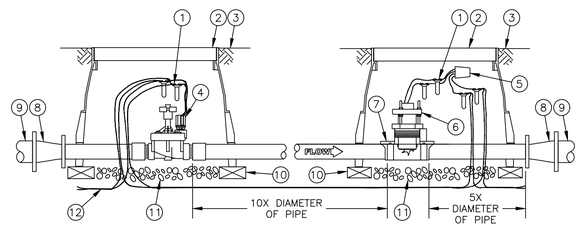


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. THE LCDR KIT INCLUDES A PESB-R VALVE AND DISC FILTER FOR RECLAIMED WATER USE.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20 (TWO REQUIRED)
2. RAIN BIRD DRIP KIT: XCZ-150-LCDR WITH IVM-SOL
3. VALVE BOX WITH COVER: RAIN BIRD VB-JUMBO
4. FINISH GRADE OR TOP OF MULCH
5. BRICK (1 OF 4)
6. PVC PIPE
7. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
8. PVC SCH 80 NIPPLE 1 1/2"
9. PVC SCH 80 ELBOW
10. PVC SCH 80 NIPPLE (2" LENGTH, HIDDEN) AND PVC SCH 80 ELBOW
11. PVC SCH 80 TEE OR ELBOW
12. PVC SCH 40 MALE ADAPTER
13. TWO-WIRE CABLE BETWEEN DEVICES

1 XCZ-150-LCDR WITH IVM-SOL

NTS JAX-09-20



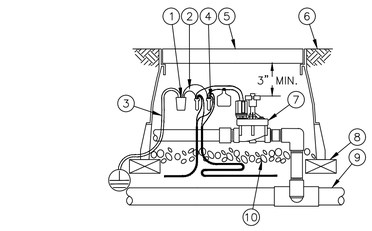
NOTE:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20
2. VALVE BOX WITH COVER: RAIN BIRD VB-STD
3. FINISH GRADE/TOP OF MULCH
4. NORMALLY CLOSED MASTER VALVE: RAIN BIRD PEB OR PGA WITH IVM
5. RAIN BIRD IVM-SEN
6. FLOW SENSOR: RAIN BIRD FS SERIES
7. DOUBLE-STRAP SADDLE
8. CONCENTRIC REDUCER
9. PVC MAINLINE PIPE
10. BRICK (1 OF 4)
11. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
12. TWO-WIRE CABLE BETWEEN DEVICES

NOTE:
1. REFER TO RAIN BIRD TECHNICAL DATA FOR FLOW SENSOR INSTALLATION BASED ON PIPE SIZING PARAMETERS.

2 MASTER VALVE WITH IVM-SOL AND FLOW SENSOR WITH IVM-SEN

NTS JAX-09-19

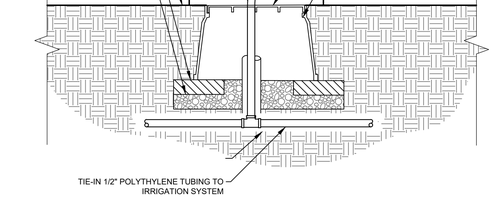


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. ONE IVM-SD IS REQUIRED EVERY 500 FEET OR EVERY 15 FIELD DEVICES.

1. RAIN BIRD IVM-SD SURGE DEVICE
2. CONNECT THE RED AND BLACK WIRES ON THE IVM-SD TO THE TWO-WIRE PATH
3. CONNECT THE GREEN WIRES FROM THE IVM-SD TO THE GROUNDING ROD OR PLATE
4. WATERPROOF CONNECTION RAIN BIRD WC20 (TWO REQUIRED)
5. VALVE BOX WITH COVER: RAIN BIRD VB-STD
6. FINISH GRADE/TOP OF MULCH
7. ELECTRIC REMOTE-CONTROL VALVE
8. BRICK (1 OF 4)
9. PVC MAINLINE PIPE
10. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
11. TWO-WIRE CABLE BETWEEN DEVICES

3 ELECTRIC REMOTE-CONTROL VALVE WITH IVM-SOL AND IVM-SD (SURGE DEVICE)

NTS JAX-09-18



4 DRIP RING IN PLANTER

NTS JAX-FE-24

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETIALS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L2.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.52 January 08, 2025 10:39:36am K:\JAX_LAI\PV\142806005 — fernandina beach streetscape\working files\CAD\xlsx sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL NOTES:

1. THE SUBMISSION OF A BID BY THE CONTRACTOR IS NOTIFICATION THAT THE CONTRACTOR HAS TOTALLY FAMILIARIZED HIMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING SITE CONDITIONS AND HAS AGREED TO PROVIDE THE NECESSARY LABOR AND MATERIAL FOR THE COMPLETE INSTALLATION OF EACH SYSTEM IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST PRACTICES OF THE INDUSTRY AND IN COMPLIANCE WITH ALL AUTHORITIES HAVING JURISDICTION.
2. THESE DRAWINGS ARE PRESENTED TO THE CONTRACTOR WITH THE UNDERSTANDING THAT THE CONTRACTOR IS AN EXPERT AND COMPETENT IN THE PREPARATION OF CONTRACT BID PRICES ON THE BASIS OF INFORMATION SUCH AS IS CONTAINED IN THESE DOCUMENTS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION AND IN COMPLETE CONFORMANCE WITH ALL APPLICABLE CODES, RULES, AND REGULATIONS. MINOR ITEMS NOT USUALLY SHOWN OR SPECIFIED, BUT MANIFESTLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE VARIOUS SYSTEMS, SHALL BE INCLUDED IN THE WORK AND IN THE PROPOSAL THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO DEPARTURES SHALL BE MADE WITHOUT PRIOR APPROVAL.
3. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.
4. THE DRAWINGS INDICATE ARRANGEMENTS AND APPROXIMATE SIZES AND RELATIVE LOCATIONS OF PRINCIPAL APPARATUS, EQUIPMENT, DEVICES, AND SERVICES TO BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND ARE A GRAPHIC REPRESENTATION OF CONTRACT REQUIREMENTS BASED ON THE INFORMATION PROVIDED BY THE MANUFACTURER IDENTIFIED IN THE EQUIPMENT SCHEDULE AT THE SCALE INDICATED.
5. LAYOUT OF EQUIPMENT INDICATED ON THE DRAWINGS SHALL BE CHECKED AND COMPARED AGAINST ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND EXACT LOCATIONS DETERMINED USING APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT. WHERE PHYSICAL INTERFERENCES OCCUR, CONSULT WITH THE OWNER AND PREPARE DATED, DIMENSIONED DRAWINGS COORDINATED WITH ALL OTHER TRADES WORKING IN THIS AREA AND CORRECTING SUCH INTERFERENCE.
6. THE CONTRACTOR SHALL SCHEDULE THEIR WORK IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE SO THAT ALL OF THEIR WORK CAN BE INSTALLED WITHOUT DELAYING THE PROJECT. ALL WORK RELATED TO SHUTDOWN OF EXISTING SERVICES SHALL BE PERFORMED AT THE HOURS DESIGNATED BY THE OWNER WITH ALL ASSOCIATED COSTS BORNE BY THE CONTRACTOR AT NO COST TO THE OWNER. PROVIDE ANY TEMPORARY FACILITIES REQUIRED TO PERMIT OWNER'S USE OF EXISTING FACILITIES AND SYSTEMS TO REMAIN UNDISTURBED. COORDINATE ALL WORK, INCLUDING ALL SHUTDOWNS THAT AFFECT SYSTEMS AND/OR PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION, WITH OWNER.
7. THE CONTRACTOR SHALL SECURE AND PAY ALL FEES, LICENSES, INSPECTIONS, AND PERMITS PERTAINING TO THE CONTRACT. SUBMIT TO OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM APPROVED INSPECTION AGENCY.
8. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORKMEN'S IDENTIFICATION AND BADGING, SAFETY AND FIRE PROTECTION, BARRICADES, WARNING SIGNS, TRASH REMOVAL, CUTTING AND PATCHING.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND WITHOUT BLEMISH OR DEFECT. ALL EQUIPMENT INSTALLED SHALL BEAR THE LABEL OF AN APPROVED AGENCY.
11. THE CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT, AND TRANSFER TO POINT OF INSTALLATION FOR ALL FURNISHED ITEMS.
12. WHERE CONDUIT, CABLES, DUCTWORK, OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE PENETRATION SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THIS SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER TO MAINTAIN THE UL LISTED FIRE RATING OF THE PENETRATED WALL OR FLOOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB OPENINGS, WALL OPENINGS, BEAM PENETRATIONS, AND CORING AS IT RELATES TO THEIR WORK. THE CONTRACTOR SHALL SUBMIT SIZE AND LOCATION FOR REVIEW AND APPROVAL.
14. ALL EXTERIOR WALL OPENINGS SHALL BE SLEEVED, PROPERLY CAULKED, AND SEALED WITH A HIGH QUALITY SEALANT TO PREVENT INFILTRATION OF MOISTURE AND OUTSIDE AIR.
15. THE CONTRACTOR SHALL SUBMIT SCHEDULE OF SUBMITTALS PRIOR TO SUBMITTING ANY SHOP DRAWINGS, ETC. TO BE SUBMITTED FOR THIS PROJECT, INCLUDING THE ANTICIPATED DATE OF EACH SUBMISSION. CONTRACTORS SHALL SUBMIT AN ELECTRONIC COPY OF THE COMPLETE SHOP DRAWINGS AND CATALOG CUTS, WIRING DIAGRAMS AND ASSOCIATED DATA TO THE OWNER FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT OR STARTING ANY WORK. ANY WORK INSTALLED OR EQUIPMENT PURCHASED PRIOR TO RECEIPT OF OWNER APPROVED SUBMITTALS SHOP DRAWINGS THAT REQUIRES CHANGES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
16. SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE CONTRACTOR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS.
17. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL SUPPLY THE OWNER WITH (3) COMPLETE BOUND COPIES OF ALL OWNER APPROVED SUBMITTALS AND ALL OPERATION AND MAINTENANCE MANUALS
18. ALL WORK FURNISHED UNDER THE CONTRACT SHALL BE GUARANTEED AGAINST ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION, UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS, AND ANY DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED AND ANY DEFECTIVE MATERIAL REPLACED WITHOUT ADDITIONAL COST TO THE OWNER.
19. INSTALLED SYSTEMS SHALL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT SOUND OR VIBRATION THAT IS OBJECTABLE TO THE OWNER, OBJECTABLE SOUND OR VIBRATION CONDITIONS DUE TO WORKMANSHIP SHALL BE CORRECTED IN APPROVED MANNER BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
20. THE CONTRACTOR SHALL SIMILARLY NOTIFY OWNER OF COMPLETION OF ALL WORK, INDICATING THE CONTRACTOR IS READY FOR THE OWNER TO PERFORM THE FINAL PUNCHLIST INSPECTION.
21. UPON COMPLETION OF ALL UNFINISHED OR FAULTY WORK NOTED IN THE OWNER'S FINAL PUNCH LIST, THE CONTRACTOR SHALL SUBMIT TO THE OWNER IN WRITING A LETTER OF COMPLETION CERTIFYING THAT ALL PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ALL AS-BUILTS, MANUALS, ETC. HAVE BEEN SUBMITTED.
22. SHOULD A CONTRACTOR REQUIRE REMOVAL, RELOCATION, OR REROUTING OF ANOTHER TRADE'S WORK THAT IS NOT INDICATED ON DRAWINGS, THE CONTRACTOR REQUIRING SUCH WORK SHALL BE RESPONSIBLE FOR THAT WORK, AND PAY ALL REQUIRED COSTS.
23. ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEMS, EQUIPMENT, AND MATERIALS SHALL BE REVIEWED WITH THE OWNER BEFORE BEGINNING WORK.
24. DEFINITION: UNLESS OTHERWISE NOTED, ALL WORK SPECIFIED HEREIN OR NOTED ON DRAWINGS, SHALL BE BY THE CONTRACTOR. THE TERM "PROVIDE" WHENEVER ENCOUNTERED ON DRAWINGS OR IN THESE SPECIFICATIONS, SHALL MEAN "FURNISH AND INSTALL."
25. CODES AND STANDARDS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND FIRE INSURANCE CARRIER'S REQUIREMENTS.
26. MATERIALS: ALL MATERIALS FURNISHED BY THIS CONTRACTOR, SHALL BE NEW AND BEAR THE LABEL OR LISTING OF A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.
27. OUTLET AND SWITCH BOXES: PROVIDE AND INSTALL OUTLET BOXES OF PROPER TYPE AND SIZE AS REQUIRED AT ALL OUTLETS WHERE SHOWN. SECURED FIRMLY IN PLACE AND SET TRUE AND SQUARE AND FLUSH WITH THE FINISHED SURFACE.
28. WIRING: WIRES SHALL BE COPPER AND RATED FOR THE LOCATIONS IN WHICH THEY ARE INSTALLED. ALL RACEWAYS ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION TO BE DETERMINED ON THE JOB. CONTRACTOR SHALL ARRANGE ALL NEW CIRCUITS IN PANELS SO AS TO BALANCE THE LOAD ON ALL PHASES.
29. A TYPED DIRECTORY CARD SHALL BE PROVIDED IN EACH PANEL WITH ADDED CIRCUITS TO INDICATE THE LOADS ACTUALLY SERVED.
30. GROUNDING: SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 250. PROVIDE GROUND WIRES AS REQUIRED AND RESIZE CONDUIT IF NECESSARY.
31. DEMONSTRATION OF COMPLETE ELECTRICAL SYSTEMS: UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF APPROVAL FROM THE RESPECTIVE INSPECTION AGENCIES. CONTRACTOR SHALL NOTIFY AND MAKE ALL THE NECESSARY ARRANGEMENTS WITH THE INSPECTING AGENCY AND LOCAL AUTHORITIES SO THAT INSPECTION MAY BE CARRIED OUT AT THE PROPER TIME.

LEGEND

SYMBOL	TYPE	MODEL NUMBER	MOUNTING HEIGHT	MOUNTING TYPE	DESCRIPTION	WATTAGE
	TYPE T1	CN55P1A-FGC-T3MB1A-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T2	SN21P1-FGC-T1-P10-30K	14'	POLE MOUNTED	SINGLE	22W
	TYPE T3	CN55P1A-FGC-T3HS-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T4	DSX1-LED-P3-30K-80CRI-T4M-MVOLT -SPA-PER7-DBLXD	18.5'	POLE MOUNTED	SINGLE	N/A
E	NEW PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
C	NEW COMMUNIATIONS PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	LOAD CENTER (LC)	LOAD CENTER	N/A	N/A	N/A	N/A
	EXISTING PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	NEW RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A
	SPECIAL RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A

COMMUNICATION CONDUIT

ELECTRICAL CONDUIT

UGE EXISTING ELECTRICAL CONDUIT

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: JM
CHECKED BY: MAJ

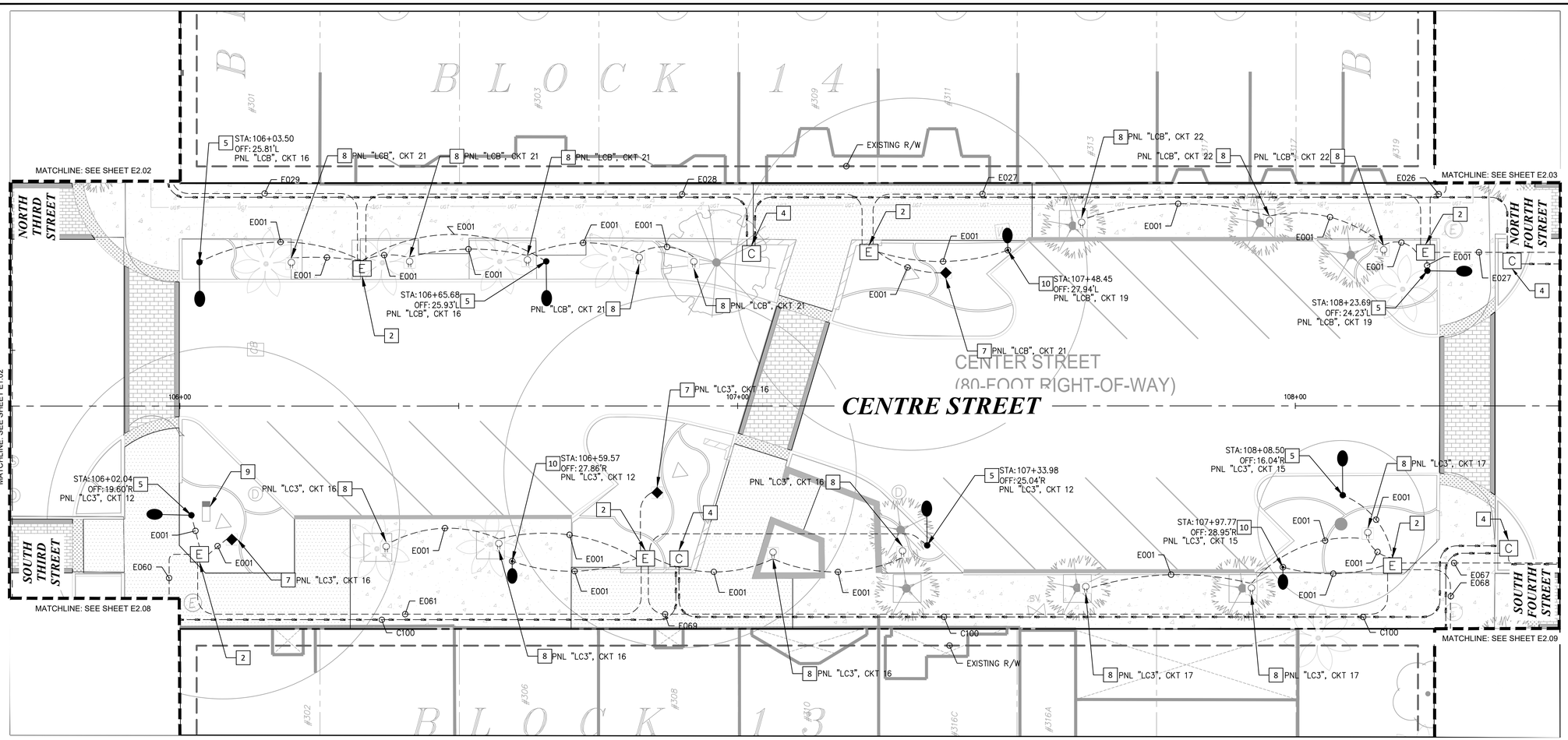
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E0.00 January 08, 2025 10:39:56am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCTION NOTES

2 INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.

4 INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.

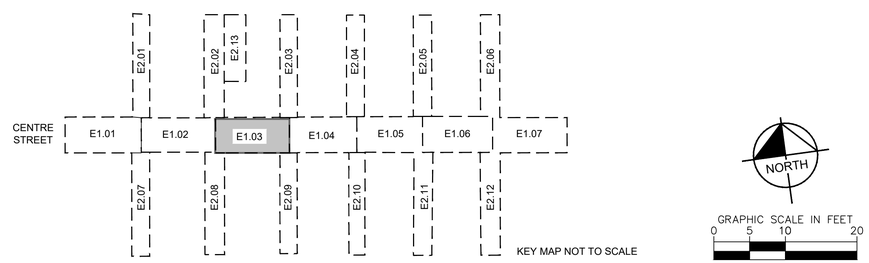
5 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.

7 INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP WITH ABOVE GROUND CONDUIT. SEE DETAIL A ON PAGE E3.01.

8 INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.

9 EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.

10 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

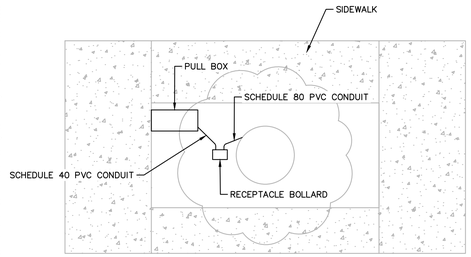
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: JM
CHECKED BY: MAJ

LIGHTING PLAN

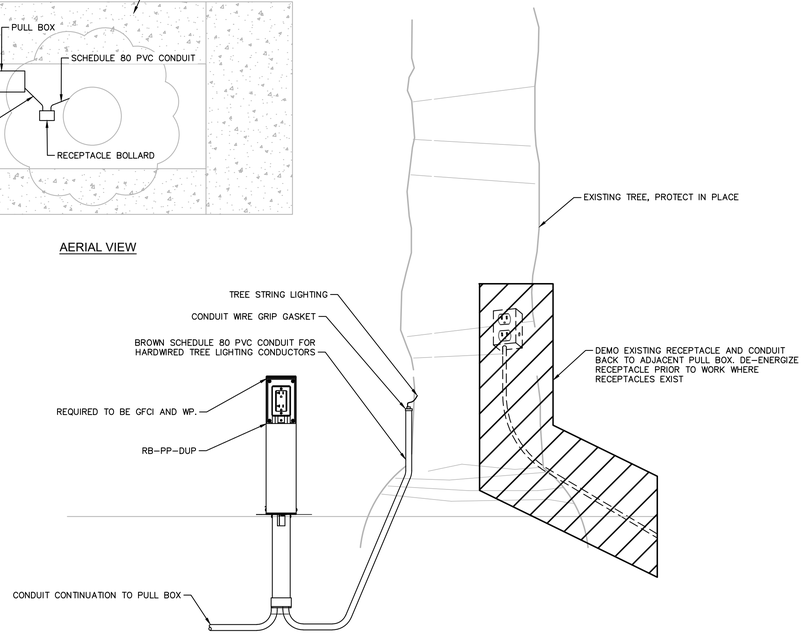
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
E1.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E1.03 January 08, 2025 10:40:32am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

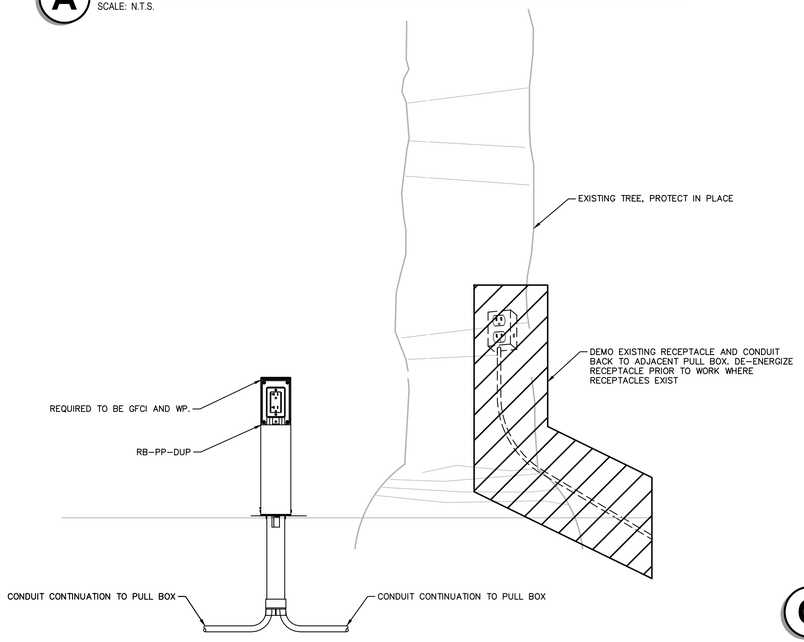


AERIAL VIEW



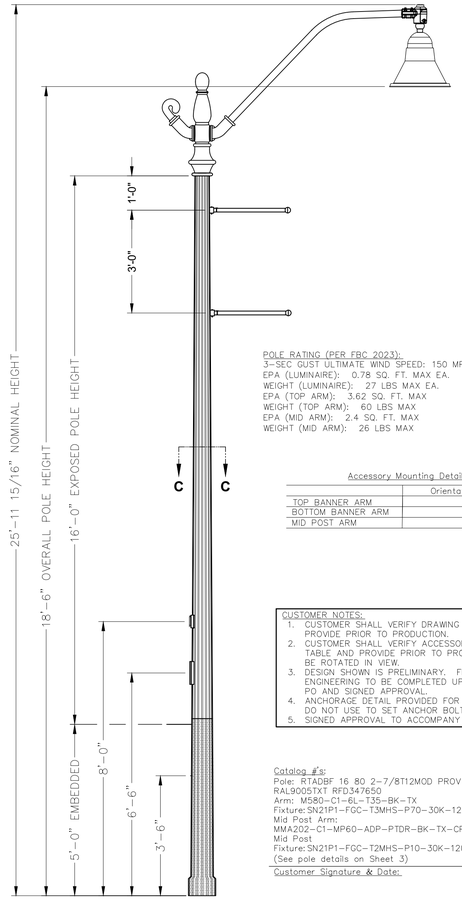
A TYPICAL HERITAGE TREE RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



B TYPICAL RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



POLE RATING (PER FBC 2023):
3-SEC GUST ULTIMATE WIND SPEED: 150 MPH MAX
EPA (LUMINAIRE): 0.78 SQ. FT. MAX EA.
WEIGHT (LUMINAIRE): 27 LBS MAX EA.
EPA (TOP ARM): 3.62 SQ. FT. MAX
WEIGHT (TOP ARM): 60 LBS MAX
EPA (MID ARM): 2.4 SQ. FT. MAX
WEIGHT (MID ARM): 26 LBS MAX

Accessory Mounting Detail

	Orientation
TOP BANNER ARM	
BOTTOM BANNER ARM	
MID POST ARM	

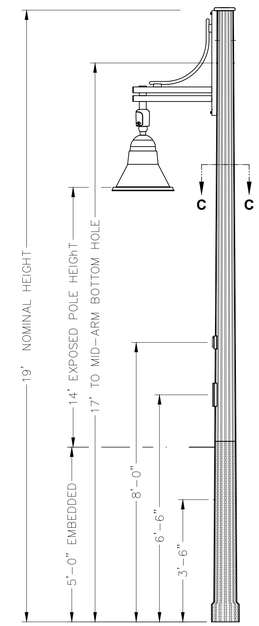
CUSTOMER NOTES:
1. CUSTOMER SHALL VERIFY DRAWING DETAILS AND PROVIDE PRIOR TO PRODUCTION.
2. CUSTOMER SHALL VERIFY ACCESSORY LOCATION IN TABLE AND PROVIDE PRIOR TO PRODUCTION. MAY BE ROTATED IN VIEW.
3. DESIGN SHOWN IS PRELIMINARY. FINAL ENGINEERING TO BE COMPLETED UPON RECEIPT OF PO AND SIGNED APPROVAL.
4. ANCHORAGE DETAIL PROVIDED FOR VISUAL ONLY – DO NOT USE TO SET ANCHOR BOLTS.
5. SIGNED APPROVAL TO ACCOMPANY PO.

Catalog #'s:
Pole: RTADBF 16 80 2-7/8T12MOD PROV GFI 2BA
RAL9005TXT RFD347650
Arm: M580-C1-6L-T35-BK-TX
Fixture: SN21P1-FGC-T3MHS-P70-30K-120-10KV-ADS-PTDR-BK-TX
Mid Post Arm:
MMA202-C1-MP60-ADP-PTDR-BK-TX-CP6786
Mid Post
Fixture: SN21P1-FGC-T2MHS-P10-30K-120-10KV-ADP-PTDR-DIM-BK-TX
(See pole details on Sheet 3)

Customer Signature & Date:

C TYPICAL STREET LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.



D TYPICAL PEDESTRIAN LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

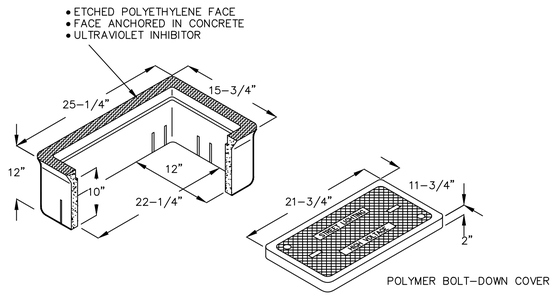
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

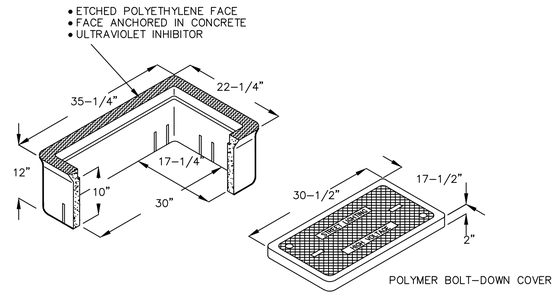
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.01

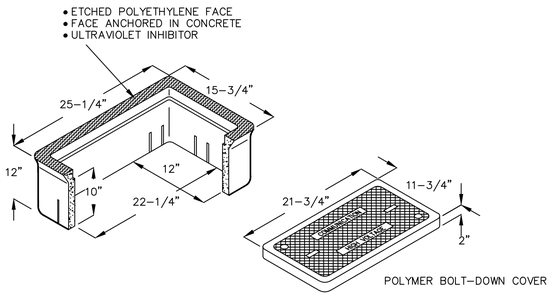
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.01 January 08, 2025 10:46:34am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



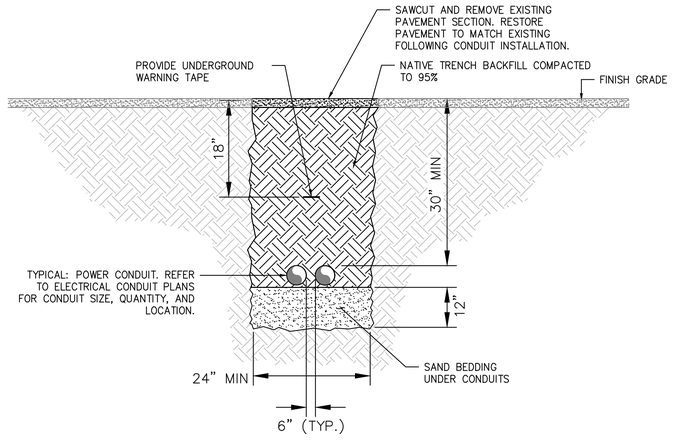
E **TYPICAL NO.5 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



F **TYPICAL NO.7 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



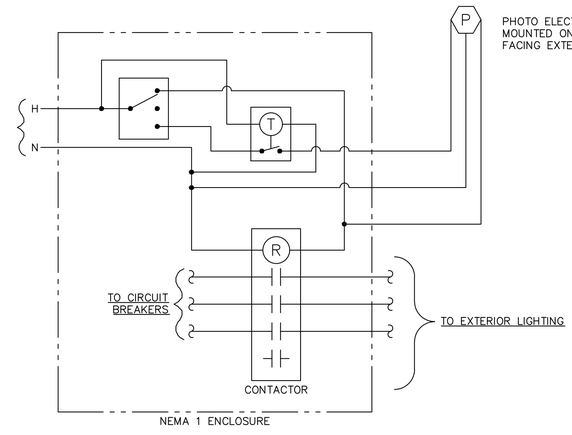
G **TYPICAL COMMUNICATION NO.5 PULL-BOX INSTALLATION DETAIL**
SCALE: N.T.S.



NOTES:

1. ADJUST MINIMUM TRENCH WIDTH TO ACCOMMODATE SPECIFIED CONDUITS IN TRENCH MAINTAINING SEPARATION INDICATED.
2. CEC TABLE 300.5 REQUIRES MINIMUM COVER OF 24" BELOW GRADE UNDER PARKING LOTS AND ROADWAYS. PROVIDE 30" MINIMUM COVER AS INDICATED IN THESE LOCATIONS.
3. CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS INDICATED OTHERWISE ON PLAN VIEW.

Z **TRENCH DETAIL**
SCALE: N.T.S.



H **TYPICAL LIGHTING CONTACTOR AND CONTROL DETAIL**
SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.02 January 08, 2025 10:46:18am K:\JAX_LAND\142806005 – Fernandina beach streetscape\working files\CAD\plan sheets\ES.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E001	1"	NEW	1	(2) #10 AWG CONDUCTORS AND (1) #10 GROUND	ALL	ALL	All connections from pullbox to fixture
E002	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	15	Park Lighting
E003	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	14, 15, 20	South Street Lighting, Park Lighting, Street Receptn
E004	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	19, 21	North Street Lighting, Street Receptn
E005	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 21, 23	Center & North 2nd Steet Lighting, Street Receptn
E006	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	18	North 2nd Street Lighting
E007	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 23	North Street Lighting, Street Receptn
E008	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 23	North Street Lighting, Street Receptn
E009	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16	South 3rd Street Lighting
E010	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 24	Center & South 3rd Street Lighting, Street Receptn
E011	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 17, 22, 24	Center & South 3rd Street Lighting, Street Receptn
E012	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13	South 2nd Street Street Lighting
E013	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 16, 17, 22, 24	Center, South 2nd &3rd Street Lighting, Street Receptn
E014	3"	NEW	1	(12) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 20, 21, 23	Street Lighting, Street Receptn
	3"	NEW	1	(14) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 14, 15, 16, 17, 22, 24	Street Lighting, Street Receptn
E020	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 20	Center Street Lighting, Street Receptn
E021	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	17	North 3rd Street Lighting
E022	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E023	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 17, 20	Center and North 3rd Street Lighting, Street Receptn
E024	2"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCB	22	
E025	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E026	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E027	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E028	3"	NEW	1	(4) #6 AWG CONDUCTORS	LCB	19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E029	3"	NEW	1	(6) #6 AWG CONDUCTORS	LCB	16, 19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E030	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
E031	1"	NEW	1	(2) #8 AWG CONDUCTORS AND (1) #8 GROUND	LCB	24	Library Parking Lot Lighting
E032	3"	NEW	1	(12) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21, 24	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E042	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6GROUND	LCC	16	North East 5th Street Lighting
E043	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16	North East 5th Street Lighting
E044	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16, 21	Center & North 5th Street Lighting, Receptn
E045	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14	North East 6th Street Lighting
E046	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
E047	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	14	North East 6th Street Lighting
E048	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCC	20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E049	3"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
				(4) #6 AWG CONDUCTORS	LCC	17, 20	Center, North 5th & 6th Street Lighting, Receptn
E050	3"	NEW	1	(8) #6 AWG CONDUCTORS	LCC	13, 17, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E051	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	13	North East 7th Street Lighting
E052	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17	Center Street Lighting
E053	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17, 18	Center Street Lighting, Receptn
E054	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCC	13, 17, 18, 19, 20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn
E055	2"	NEW	1	(10) #6 AWG CONDUCTORS (1) #6 GROUND	LCC	13, 17, 18, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E060	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12	South East 3rd Street Lighting
E061	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12, 16	South East 3rd Street Lighting, Receptn
E062	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E063	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E064	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	South West 5th Street Lighting
E065	2"	NEW	1	(4) #6 AWG CONDUCTORS	LC3	15, 18	South West 5th & Center Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	
E066	2"	NEW	1	(6) #6 AWG CONDUCTORS	LC3	11, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South West 5th & Center Street Lighting, Receptn
E067	2"	NEW	1	(8) #6 AWG CONDUCTORS	LC3	11, 13, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South 4tth, 5th & Center Street Lighting, Receptn
E068	3"	NEW	1	(10) #6 AWG CONDUCTORS	LC3	11, 13, 15, 16, 17	South 4tth, 5th & Center Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12, 14, 18	South East 3rd Street & Center Lighting, Receptn
E069	2"	NEW	1	(2) #6 AWG CONDUCTORS	LC3	16	South East 3rd Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12	
E070	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	13	Center &South East 5th Street Lighting
E071	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	13, 14	Center &South East 5th Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS	LC4	18	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	
E072	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	9	South 6th Street Lighting
E073	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	10	South 7th Street Lighting
E074	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	11	Center Street Lighting
E075	2"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	11, 17	Center Street Lighting, Receptn
E076	2"	NEW	1	(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center, South 6th & 7th Street Lighting, Receptn
E077	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	12, 15	Center, South 6th & 7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	
E078	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	9, 12, 15	Center &South7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center & South 6th Street Lighting, Receptn
E079	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	12, 13, 14, 15	Center, South 5th & 7th Street Lighting, Receptn
	3"	NEW	1	(10) #4 AWG CONDUCTORS	LC4	10, 11, 16, 17, 18	Center, South & 6th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting
E080	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	20	North West 5th Street Lighting
E081	2"	NEW	1	(2) #4 AWG CONDUCTORS	LC4	18	Center & North West 5th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting

SITE COMMUNICATION CONDUIT SCHEDULE					
CONDUIT				CABLE	REMARKS
PATH NO.	SIZE	STATUS	QTY		
C100	3"	NEW	1	PULL STING	All connections from pullbox to pullbox

P CONDUIT AND CONDUCTOR SCHEDULE

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING CUTSHEETS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.04 January 08, 2025 10:46:41am K:\JAX_LAL\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.03 January 08, 2025 10:46:46am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00_LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

PANEL NAME (NEW): LC C

LOCATION: NORTH 7TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 125 A
MCB RATING: 125 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1			125	2					1	20	L	LIGHTS	2
3	MAIN								1	20	L	LIGHTS	4
5									1	20	L	LIGHTS	6
7	WEST POWER PEDESTALS	R	100	2					1	20	R	CONTACTOR	8
9									1	20	R	SPRINKLER/TIME CLOCK ON PEDESTAL	10
11	EAST POWER PEDESTALS	R	60	2					1	20	R	CONTACTORS	12
13	**LIGHTING N 7TH**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 6TH**	14
15	SPACE							1,425	1	20	L	**LIGHTING CENTER**	16
17	**LIGHTING CENTER**	L	20	1	1,425	1,260			1	20	R	**CENTER RECEPTACLES**	18
19	**CENTER RECEPTACLES**	R	20	1			1,080	1,080	1	20	R	**CENTER RECEPTACLES**	20
21	**CENTER RECEPTACLES**	R	20	1	1,260							SPACE	22
23	SPACE	R	20	1								SPACE	24
					TOTAL LOAD:		6,395 VA		TOTAL LOAD:			3,585 VA	
					TOTAL AMPS:		53.3 A		TOTAL AMPS:			29.9 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	9980
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11305
RECEPTACLE (R)	4680.0	100.00%	4680.0	TOTAL CONN. (A):	41.6
LIGHTING (L)	5300.0	125.00%	6625.0	TOTAL EST. DEMAND (A):	47.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	38%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

NOTES:
REMOVE THE EXISTING ELECTRICAL PANEL AND CAREFULLY DISCONNECT ALL ASSOCIATED WIRING. INSTALL A NEW 120/240V, 1-PHASE, 200A NEMA 1 DISTRIBUTION PANEL IN THE SAME LOCATION. REPLACE EXISTING BREAKERS WITH NEW BREAKERS MATCHING THE SPECIFICATIONS, RATINGS, AND CONFIGURATIONS OF THE ORIGINAL BREAKERS TO PROTECT ALL EXISTING CIRCUITS. RECONNECT ALL EXISTING WIRING TO THE NEW PANEL IN ACCORDANCE WITH THE ORIGINAL CONFIGURATION, ENSURING COMPLIANCE WITH NEC AND LOCAL ELECTRICAL CODES. TEST THE PANEL AND BREAKERS FOR PROPER OPERATION, AND PROVIDE AS-BUILT DOCUMENTATION, INCLUDING AN UPDATED PANEL SCHEDULE.

I PANEL LCC PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 4

LOCATION: SOUTH 6TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHT	L	30	1					1	30	L	STREET LIGHT	2
3	PHOTO CELL	R	20	1					1	30	L	STREET LIGHT	4
5	OUTLET BELOW	R	20	1					1	20	L	LIGHT IN THIS CABINET	6
7	EXISTING	L	20	1					1	20	R	IRRIGATION TIME CLOCK	8
9	**LIGHTING SOUTH 6TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 7TH**	10
11	**LIGHTING CENTER (EAST)**	L	20	1			1,625	1,135	1	20	L	**LIGHTING CENTER**	12
13	**LIGHTING CENTER**	L	20	1	1,825	1,260			1	20	R	**RECEPTACLES W 6TH**	14
15	**RECEPTACLES E 6TH**	R	20	1			1,260	1,260	1	20	R	**RECEPTACLES E 7TH**	16
17	**RECEPTACLES E 7TH**	R	20	1	720							SPACE	18
19	SPACE											SPACE	20
					TOTAL LOAD:		6,010 VA		TOTAL LOAD:			5,280 VA	
					TOTAL AMPS:		50.1 A		TOTAL AMPS:			44 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	11290
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	12987.5
RECEPTACLE (R)	4500.0	100.00%	4500.0	TOTAL CONN. (A):	47
LIGHTING (L)	6790.0	125.00%	8487.5	TOTAL EST. DEMAND (A):	54.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	27%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

J PANEL LC4 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 3

LOCATION: SOUTH 4TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	2
3	STREET LIGHTS	L	20	1					1	30	L	STREET LIGTHS	4
5	OUTLET BELOW	R	20	1					1	20	L	STREET LIGTHS	6
7	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	8
9	STREET LIGHTS	L	30	1					1	20	R	SPRINKLER/FOUNTAIN TIME CLOCK	10
11	FOUNTAIN	M	20	1			1,600	1,180	1	20	L	**LIGHTING SOUTH 3RD**	12
13	**LIGHTING SOUTH 4TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 5TH**	14
15	**LIGHTING CENTER**	L	20	1			1,335	1,080	1	20	R	**RECEPTACLES S CENTER**	16
17	**RECEPTACLES S CENTER**	R	20	1	1,260	900			1	20	R	**RECEPTACLES S CENTER**	18
19	SPACE											SPACE	20
					TOTAL LOAD:		4,365 VA					5,195 VA	
					TOTAL AMPS:		36.4 A					43.3 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	1600.0	125.00%	2000.0	TOTAL CONN. LOAD (VA):	9560
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11140
RECEPTACLE (R)	3240.0	100.00%	3240.0	TOTAL CONN. (A):	39.8
LIGHTING (L)	4720.0	125.00%	5900.0	TOTAL EST. DEMAND (A):	46.4
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	23%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

K PANEL LC3 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING) : LC B

LOCATION: NORTH 3RD ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	POWER PEDISTAL	R	100	2					1	30	L	N. 3RD STREET LIGHTS	2
3									1	30	L	LIGHTS	4
5	LIGHTS	L	30	1					1	30		EXISTING	6
7	LIBRARY PARKING LIGHTS	L	30	1					1	20		EXISTING	8
9	EXISTING		20	1					1	20		EXISTING	10
11	EXISTING		20	1					2	30		EXISTING	12
13			100	2									14
15	EXISTING							980	1	20	L	**LIGHTING CENTER ST**	16
17	**LIGHTING N 3RD**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 4TH**	18
19	**LIGHTING CENTER ST**	L	20	1			890	540	1	20	R	**RECEPTACLES W 3RD**	20
21	**RECEPTACLES E 3RD**	R	20	1	1,080	1,440			1	20	R	**RECEPTACLES E 3RD**	22
23	**POWER PEDISTAL**	R	100	2				204	1	20	L	**LIBRARY PARKING LIGHTS**	24
25												SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		4,970 VA		TOTAL LOAD:			2,614 VA	
					TOTAL AMPS:		41.4 A		TOTAL AMPS:			21.8 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	7584
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	8715
RECEPTACLE (R)	3060.0	100.00%	3060.0	TOTAL CONN. (A):	31.6
LIGHTING (L)	4524.0	125.00%	5655.0	TOTAL EST. DEMAND (A):	36.3
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	18%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

L PANEL LCB PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 2/A

LOCATION: SOUTH 2ND & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

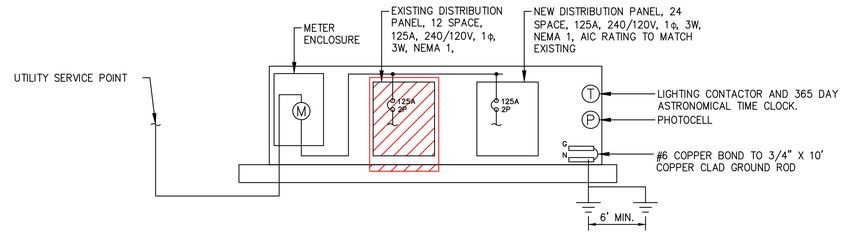
AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1		R	100	2					2	80	R		2
3	MAIN											PEDS. NORTH 2ND WEST SIDE	4
5	PED SOUTH 2ND	L	20	1					2	100	R		6
7	EAST WEST SIDE	L	20	1								PEDS NORTH 2ND CENTERE ST	8
9	PED SOUTH 2ND	L	20	1					1	20	L	STREET LIGHTS SOUTH WEST	10
11	EAST WEST	L	20	1					1	20	R	PHOTCELL BYPASS SWITCH	12
13	**LIGHTING SOUTH 2ND**	L	20	1	1,225	935			1	20	L	**LIGHTING SOUTH CENTRE**	14
15	**LIGHTING PARK**	L	20	1			729	1,129	1	20	L	**LIGHTING SOUTH 3RD**	16
17	**LIGHTING CENTRE**	L	20	1	1,129	1,225			1	20	L	**LIGHTING NORTH 2ND**	18
19	**LIGHTING NORTH CENTRE**	L	20	1			1,335	1,800	1	20	R	**RECEPTACLES S CENTER**	20
21	**RECEPTACLES N CENTER**	R	20	1	1,080	720			1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	22
23	**RECEPTACLES N CENTER (EAST OF 2ND)**	R	20	1			900	1,080	1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	24
25	**RECEPTACLES N CENTER**	R	20	1	900							SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		7,214 VA					6,973 VA	
					TOTAL AMPS:		60.1 A					58.1 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	14187
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	16113.75
RECEPTACLE (R)	6480.0	100.00%	6480.0	TOTAL CONN. (A):	59.1
LIGHTING (L)	7707.0	125.00%	9633.8	TOTAL EST. DEMAND (A):	67.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	67%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

M PANEL LC2/A PANEL SCHEDULE

SCALE: N.T.S.



N METER PEDESTAL SINGLE LINE DIAGRAM (PANEL LCC)

SCALE: N.T.S.

Panel Name	Existing Load (kW)	Removed Load (kW)	New Load (kW)	Total Load (kW)	Panel Capacity (kW)	Percent Loaded
Panel LCC	3.39	2.37	11.3	12.32	30	41%
Panel LC4	2.46	1.72	15.9	16.64	48	35%
Panel LC3	58.66	41.06	11.14	28.74	48	60%
Panel LCB	3.84	2.69	8.7	9.85	48	21%
Panel LC2A	1.67	1.17	16.11	16.61	48	35%

EXISTING LOADS WERE DETERMINED BASED ON THE PEAK ENERGY CONSUMPTION RECORDED DURING THE HIGHEST-USE MONTH IN THE BILLING HISTORY

O PANEL LOAD SUMMARY (ALL PANELS)

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.03

cyclone

Campana SN21P1
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

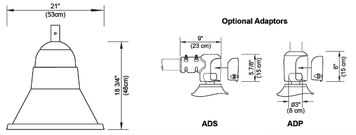
Ordering Code

Model	Lens	Distribution	Performance Package	CCT	Volts	Surge Protector
SN21P1	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 * Backward optic	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ACS	DIM 0-10 volts wire for external controls PND506 Program 50% for 6 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD* Field adjustable 10% increment step-dimming switch * Contact factory for wireless controls and more information regarding SD option.	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 0.78 ft² **Weight:** 23.6 lbs / 10.7 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 **www.cyclonelighting.com**
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2023 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2023/07

Q TYPE T2 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

cyclone

Campana CN55P1A
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

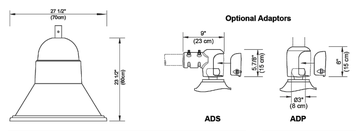
Ordering Code

Model	Lens	Distribution	Performance package	CCT	Volts	Surge protector
CN55P1A	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 TCW Crosswalk * Backward optic T3M81A	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm) P80 (17500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
– Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	– PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ADS	– DIM 0-10 volts wire for external controls PND506 Program 50% for 8 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD Field adjustable 10% increment step-dimming switch	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 1.25 ft² **Weight:** 55.3 lbs / 25.1 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 www.cyclonelighting.com
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2024 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2024/06

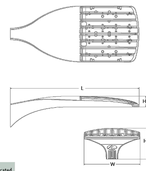
R TYPE T1 & T3 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

D-Series Size 1
LED Area Luminaire

dsx series

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Catalog Number
Notes
Type

Fill the Tab key or mouse over the page to see all interactive elements.

Introduction
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.
The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Design Select options indicated by this color background.

design select
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information
EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P6 P2 P7 P3 P8 P4 P9 P5 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare[2] T4M Type IV medium T4LG Type IV low glare[2] TFTM Forward throw medium T5M Type V medium T5G Type V low glare T5W Type V wide BLC3 Type III backlight control[3] BLC4 Type IV backlight control[3] LCCO Left corner cutoff[3] RCCO Right corner cutoff[3]	MVOLT (120V-277V)[4] HVOLT (347V-480V)[5,6] VHVOLT (277V-480V)[5,6] 120[4,36] 208[4,36] 240[4,36] 277[4,36] 347[4,36] 480[4,36]	**Shipped included** SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling[4] RPA5 Round pole mounting #5 drilling[4] SPA8N Square narrow pole mounting (#8 drilling) WBA Wall bracket[4] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options		Other options		Finish (required)	
Shipped installed		**Shipped installed**		DDBXD Dark Bronze	
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[7,11,35,37]	PER7 Seven-pin receptacle only (controls ordered separately)[8,37]	SPD20KV 20KV surge protection		DBLBD Black	
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[35,37]	FAO Field adjustable output[14,37]	HS Houseside shield (black finish standard)[37]		DNAXD Natural Aluminum	
PER NEMA twist-lock receptacle only (controls ordered separately)[8]	BL30 Bi-level switched dimming, 30%[9,37]	L90 Left rotated optics[1]		DWHXD White	
PERS Five-pin receptacle only (controls ordered separately)[8,37]	BL50 Bi-level switched dimming, 50%[9,37]	R90 Right rotated optics[1]		DDBTXD Textured dark bronze	
	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[37]	CCE Coastal Construction[35]		DBLBXD Textured black	
	DS Dual switching[10,11,37]	HA 50°C ambient operation[36]		DNATXD Textured natural aluminum	
		BAA Buy America(n) Act and/or Build America Buy America Qualified		DWHGXD Textured white	
		SF Single fuse (120, 277, 347V)[4]			
		DF Double fuse (208, 240, 480V)[4]			
		Shipped separately			
		EGSR External Glare Shield (reversible, field install required, matches housing finish)			
		BSDB Bird Spikes (field install required)			

LITHONIA LIGHTING
COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2011-2024 Acuity Brands Lighting, Inc. All rights reserved.

S TYPE T4 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

REVISIONS | DATE | BY | No.

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.05 January 08, 2025 10:46:53am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.06 January 08, 2025 10:47:05am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Panel LCC - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	15	120	1	0.11%	2
3	STA7014+73.40	2	13,336	NM	Copper	1	Set of	6	6.1	212	120	1	1.06%	3
4	STA7016+58.49	3	1,247	NM	Copper	1	Set of	6	4.066667	203	120	1	1.67%	4
5	STA7018+09.25	4	667	NM	Copper	1	Set of	6	2.033333	171	120	1	1.92%	5

Panel LCC - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.16667	340	120	1	1.67%	2
3	STA6015+06.01	2	1,308	NM	Copper	1	Set of	4	6.1	170	120	1	2.17%	3
4	STA6016+70.34	3	881	NM	Copper	1	Set of	6	4.066667	190	120	1	2.74%	4
5	STA6018+26.76	4	560	NM	Copper	1	Set of	6	2.033333	175	120	1	3.00%	5

Panel LCC - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA113+97.05	1	42,472	NM	Copper	1	Set of	4	8.316667	335	120	1	1.35%	2
3	STA113+38.13	2	1,327	NM	Copper	1	Set of	4	6.283333	108	120	1	1.67%	3
4	STA112+78.87	3	1,011	NM	Copper	1	Set of	6	4.25	185	120	1	2.25%	4
5	STA111+98.46	4	616	NM	Copper	1	Set of	6	2.216667	113	120	1	2.43%	5
6	STA5017+32.87	5	497	NM	Copper	1	Set of	6	2.033333	382	120	1	3.00%	6

Panel LCC - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	12.38333	53	120	1	0.48%	2
3	STA117+15.14	2	4,871	NM	Copper	1	Set of	6	6.283333	64	120	1	0.78%	3
4	STA117+98.92	3	2,354	NM	Copper	1	Set of	8	4.25	212	120	1	1.81%	4
5	STA118+30.81	4	642	NM	Copper	1	Set of	8	4.066667	160	120	1	2.56%	5
6	STA119+33.81	5	414	NM	Copper	1	Set of	8	2.033333	156	120	1	2.93%	6

Panel LCC - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 5	1	42,472	NM	Copper	1	Set of	8	10.5	179	120	1	2.16%	2
3	LCC RECEPTACLE 1	2	1,019	NM	Copper	1	Set of	10	3	119	120	1	2.82%	3
4	LCC RECEPTACLE 2	3	502	NM	Copper	1	Set of	10	1.5	29	120	1	2.90%	4

Panel LCC - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	10	9	52	120	1	0.86%	2
3	LCC PULL BOX 6	2	2,149	NM	Copper	1	Set of	10	4.5	104	120	1	1.72%	3
4	LCC RECEPTACLE 3	3	741	NM	Copper	1	Set of	10	3	25	120	1	1.85%	4
5	LCC RECEPTACLE 4	4	641	NM	Copper	1	Set of	10	1.5	49	120	1	1.99%	5

Panel LCC - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	234	120	1	1.54%	2
3	LCC RECEPTACLE 5	2	1,211	NM	Copper	1	Set of	10	4.5	116	120	1	2.50%	3
4	LCC RECEPTACLE 6	3	552	NM	Copper	1	Set of	10	3	39	120	1	2.72%	4
5	LCC RECEPTACLE 7	4	467	NM	Copper	1	Set of	10	1.5	32	120	1	2.80%	5

Panel LCC - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 8	1	42,472	NM	Copper	1	Set of	4	10.5	398	120	1	2.02%	2
3	LCC PULL BOX 9	2	1,123	NM	Copper	1	Set of	6	6	135	120	1	2.61%	3
4	LCC PULL BOX 10	3	739	NM	Copper	1	Set of	6	3	66	120	1	2.76%	4
5	LCC RECEPTACLE 8	4	633	NM	Copper	1	Set of	10	1.5	49	120	1	2.89%	5

T PANEL LCC VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LCB - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	8.133333	212	120	1	1.26%	2
3	LCB PULL BOX 2	2	1,332	NM	Copper	1	Set of	6	4.066667	99	120	1	1.56%	3
4	STA104+88.04	3	917	NM	Copper	1	Set of	6	2.033333	55	120	1	1.64%	4

Panel LCB - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.16667	19	120	1	0.14%	2
3	STA3015+16.35	2	11,274	NM	Copper	1	Set of	6	6.1	126	120	1	0.71%	3
4	STA3015+93.43	3	1,920	NM	Copper	1	Set of	6	4.066667	279	120	1	1.54%	4
5	STA3017+56.28	4	677	NM	Copper	1	Set of	6	2.033333	176	120	1	1.80%	5

Panel LCB - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	2	10.16667	454	120	1	1.46%	2
3	STA4016+04.97	8	835	NM	Copper	1	Set of	6	4.066667	88	120	1	2.20%	3
4	STA4017+66.55	3	667	NM	Copper	1	Set of	6	2.033333	177	120	1	2.47%	4
5	STA4015+16.88	2	1,540	NM	Copper	1	Set of	6	6.1	100	120	1	1.91%	5
6	STA4016+78.17	5	1,008	NM	Copper	1	Set of	6	4.066667	161	120	1	2.39%	6
7	STA4018+41.62	6	647	NM	Copper	1	Set of	6	2.033333	164	120	1	2.63%	7
8	P8 4TH STREET	2	1,540	NM	Copper	1	Set of	6	4.066667	160	120	1	1.94%	8

Panel LCB - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	4.433333	357	120	1	1.16%	2
3	LCB PULL BOX 4	2	801	NM	Copper	1	Set of	6	4.25	121	120	1	1.54%	3
4	LCB PULL BOX 6	3	601	NM	Copper	1	Set of	6	2.216667	40	120	1	1.60%	4
5	LCB PULL BOX 7	4	556	NM	Copper	1	Set of	6	0.183333	83	120	1	1.61%	5

Panel LCB - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE 1	1	42,472	NM	Copper	1	Set of	6	4.5	335	120	1	1.11%	2
3	LCB RECEPTACLE 2	2	853	NM	Copper	1	Set of	10	3	25	120	1	1.24%	3
4	LCB RECEPTACLE 3	3	722	NM	Copper	1	Set of	10	1.5	30	120	1	1.33%	4

Panel LCB - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 8	1	42,472	NM	Copper	1	Set of	6	9	270	120	1	1.78%	2
3	LCB PULL BOX 5	2	1,053	NM	Copper	1	Set of	6	1.5	115	120	1	1.91%	3

Panel LCB - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	4	12	445	120	1	2.58%	2
3	LCB PULL BOX 6	2	1,007	NM	Copper	1	Set of	4	7.5	34	120	1	2.70%	3
4	LCB RECEPTACLE 4	3	937	NM	Copper	1	Set of	6	3	91	120	1	2.90%	4
5	LCB RECEPTACLE 5	4	725	NM	Copper	1	Set of	10	1.5	20	120	1	2.96%	5
6	R1	3	937	NM	Copper	1	Set of	10	4.5	20	120	1	2.87%	6
7	R2	6	808	NM	Copper	1	Set of	10	3	16	120	1	2.96%	7
8	R3	7	728	NM	Copper	1	Set of	10	1.5	16	120	1	3.00%	8

Panel LCB - Circuit 23&25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE BOLLARD 1	1	42,472	NM	Copper	1	Set of	1	30	261	240	1	1.04%	2

Panel LCB - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 9	1	42,472	NM	Copper	1	Set of	6	1.7	102	120	1	0.13%	2
3	LCB LIGHT 1	2	2,679	NM	Copper	1	Set of	8	0.85	137	120	1	0.26%	3

U PANEL LCB VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC4- Circuit 9

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	8	10.16667	17	120	1	0.20%	2
3	STA6011+93.15	2	8,736	NM	Copper	1	Set of	8	6.1	105	120	1	0.94%	3
4	STA6010+44.34	3	1,479	NM	Copper	1	Set of	8	4.066667	170	120	1	1.73%	4
5	STA6009+63.82	4	631	NM	Copper	1	Set of	8	2.033333	101	120	1	1.97%	5

Panel LC4 - Circuit 10

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 1	1	42,472	NM	Copper	1	Set of	4	8.133333	377	120	1	1.48%	2
3	STA7012+89.95	2	1,184	NM	Copper	1	Set of	8	4.066667	204	120	1	2.44%	3
4	STA7010+75.45	3	517	NM	Copper	1	Set of	8	2.033333	227	120	1	2.97%	4

Panel LC4- Circuit 11

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.5	477	120	1	1.96%	2
3	LC4 PULL BOX 3	2	941	NM	Copper	1	Set of	4	6.283333	124	120	1	2.34%	3
4	STA118+61.55	3	750	NM	Copper	1	Set of	6	4.066667	120	120	1	2.69%	4
5	STA119+33.55	4	573	NM	Copper	1	Set of	6	2.033333	117	120	1	2.87%	5

Panel LC4 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	8	6.466667	220	120	1	1.64%	2
3	LC4 PULL BOX 5	2	833	NM	Copper	1	Set of	8	4.25	85	120	1	2.05%	3
4	STA116+16.09	3	604	NM	Copper	1	Set of	8	2.033333	124	120	1	2.34%	4

Panel LC4 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	6	10.71667	106	120	1	0.83%	2
3	LC4 PULL BOX 7	2	2,584	NM	Copper	1	Set of	6	8.5	140	120	1	1.71%	3
4	LC4 PULL BOX 8	3	1,153	NM	Copper	1	Set of	6	6.283333	86	120	1	2.10%	4
5	STA5013+17.45	4	861	NM	Copper	1	Set of	8	4.066667	84	120	1	2.49%	5
6	STA5011+58.93	5	621	NM	Copper	1	Set of	8	2.033333	175	120	1	2.90%	6

Panel LC4 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	8	10.5	108	120	1	1.30%	2
3	LC4 RECEPTACLE 1	2	1,663	NM	Copper	1	Set of	8	4.5	149	120	1	2.08%	3
4	LC4 PULL BOX 8	3	715	NM	Copper	1	Set of	10	3	95	120	1	2.60%	4

Panel LC4 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	10.5	214	120	1	1.65%	2
3	LC4 PULL BOX 5	2	1,320	NM	Copper	1	Set of	10	6	84	120	1	2.57%	3
4	LC4 RECEPTACLE 9	3	680	NM	Copper	1	Set of	10	1.5	121	120	1	2.90%	4

Panel LC4 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.5	480	120	1	2.44%	2
3	LC4 RECEPTACLE 6	2	935	NM	Copper	1	Set of	10	4.5	16	120	1	2.57%	3
4	LC4 RECEPTACLE 7	3	830	NM	Copper	1	Set of	10	3	47	120	1	2.83%	4
5	LC4 RECEPTACLE 8	4	623	NM	Copper	1	Set of	10	1.5	27	120	1	2.90%	5

Panel LC4 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 3	1	42,472	NM	Copper	1	Set of	4	6	618	120	1	1.79%	2
3	LC4 RECEPTACLE 3	2	730	NM	Copper	1	Set of	10	4.5	100	120	1	2.62%	3
4	LC4 RECEPTACLE 4	3	451	NM	Copper	1	Set of	10	3	34	120	1	2.80%	4
5	LC4 RECEPTACLE 5	4	399	NM	Copper	1	Set of	10	1.5	30	120	1	2.89%	5

Panel LC4 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	4	9	440	120	1	1.91%	2
3	LC4 RECEPTACLE 10	2	1,018	NM	Copper	1	Set of	10	6	20	120	1	2.13%	3
4	LC4 RECEPTACLE 11	3	868	NM	Copper	1	Set of	10	4.5	30	120	1	2.38%	4
5	LC4 RECEPTACLE 12	4	711	NM	Copper	1	Set of	10	3	31	120	1	2.55%	5
6	LC4 RECEPTACLE 13	5	599	NM	Copper	1	Set of	10	1.5	34	120	1	2.65%	6

Panel LC4 - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	2	12.2	440	120	1	1.70%	2
3	STA5015+33.99	2	1,587	NM	Copper	1	Set of	6	6.1	146	120	1	2.35%	3
4	STA5016+34.22	3	884	NM	Copper	1	Set of	6	4.066667	119	120	1	2.71%	4
5	STA5018+11.81	4	650	NM	Copper	1	Set of	6	2.033333	195	120	1	3.00%	5

Y PANEL LC4 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.06

Panel LC2A - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	12	120	1	0.09%	2
3	STA2012+27.34	2	15,457	NM	Copper	1	Set of	6	4.066667	270	120	1	0.88%	3
4	STA2010+41.29	3	1,009	NM	Copper	1	Set of	6	2.033333	197	120	1	1.19%	4

Panel LC2A - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.283333	89	120	1	0.41%	2
3	LC2A PULL BOX 3	2	3,042	NM	Copper	1	Set of	6	4.25	119	120	1	0.78%	3
4	LC2A PULL BOX 4	3	1,357	NM	Copper	1	Set of	6	4.066667	113	120	1	1.12%	4
5	STA100+16.77	4	889	NM	Copper	1	Set of	6	2.033333	52	120	1	1.20%	5

Panel LC2A - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	6.1	334	120	1	1.49%	2
3	LC2A PULL BOX 6	2	855	NM	Copper	1	Set of	6	4.066667	28	120	1	1.58%	3
4	STA100+93.57	3	791	NM	Copper	1	Set of	6	2.033333	28	120	1	1.62%	4

Panel LC2A - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	6.466667	323	120	1	1.53%	2
3	LC2A PULL BOX 8	2	884	NM	Copper	1	Set of	6	6.283333	80	120	1	1.90%	3
4	STA3012+76.00	3	711	NM	Copper	1	Set of	6	4.066667	105	120	1	2.21%	4
5	STA3010+73.28	4	566	NM	Copper	1	Set of	6	2.033333	218	120	1	2.54%	5

Panel LC2A - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.466667	86	120	1	0.41%	2
3	LC2A PULL BOX 9	2	3,140	NM	Copper	1	Set of	6	2.216667	155	120	1	0.66%	3
4	STA104+02.47	3	1,176	NM	Copper	1	Set of	6	0.183333	126	120	1	0.68%	4

Panel LC2A - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 10	1	42,472	NM	Copper	1	Set of	6	10.16667	167	120	1	1.25%	2
3	STA2014+97.22	2	1,677	NM	Copper	1	Set of	6	6.1	120	120	1	1.78%	3
4	STA2016+65.95	3	892	NM	Copper	1	Set of	6	4.066667	182	120	1	2.32%	4
5	STA2018+18.33	4	613	NM	Copper	1	Set of	6	2.033333	166	120	1	2.57%	5

Panel LC2A - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	6.65	133	120	1	0.65%	2
3	LC2A PULL BOX 12	2	2,085	NM	Copper	1	Set of	6	4.433333	128	120	1	1.06%	3
4	LC2A PULL BOX 13	3	1,089	NM	Copper	1	Set of	6	2.4	70	120	1	1.19%	4
5	LC2A PULL BOX 14	4	863	NM	Copper	1	Set of	6	2.216667	88	120	1	1.33%	5
6	STA100+29.48	5	685	NM	Copper	1	Set of	6	2.033333	25	120	1	1.37%	6

Panel LC2A - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	15	87	120	1	0.96%	2
3	LC2A PULL BOX 3	2	3,107	NM	Copper	1	Set of	6	9	116	120	1	1.72%	3
4	LC2A PULL BOX 4	3	1,389	NM	Copper	1	Set of	6	7.5	113	120	1	2.34%	4
5	LC2A RECEPTACLE 1	4	903	NM	Copper	1	Set of	10	3	15	120	1	2.43%	5
6	LC2A RECEPTACLE 2	5	810	NM	Copper	1	Set of	10	1.5	25	120	1	2.50%	6

Panel LC2A - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 13	1	42,472	NM	Copper	1	Set of	6	9	321	120	1	2.12%	2
3	LC2A RECEPTACLE 3	2	889	NM	Copper	1	Set of	10	3	95	120	1	2.64%	3
4	LC2A RECEPTACLE 4	3	518	NM	Copper	1	Set of	10	1.5	14	120	1	2.68%	4

Panel LC2A - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 15	1	42,472	NM	Copper	1	Set of	6	7.5	145	120	1	0.80%	2
3	LC2A PULL BOX 16	2	1,920	NM	Copper	1	Set of	6	4.5	118	120	1	1.19%	3
4	LC2A RECEPTACLE 5	3	1,081	NM	Copper	1	Set of	10	3	16	120	1	1.27%	4
5	LC2A RECEPTACLE 6	4	942	NM	Copper	1	Set of	10	1.5	36	120	1	1.37%	5

Panel LC2A - Circuit 23

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 17	1	42,472	NM	Copper	1	Set of	6	7.5	195	120	1	1.07%	2
3	LC2A PULL BOX 9	2	1,445	NM	Copper	1	Set of	10	6	49	120	1	1.61%	3
4	LC2A RECEPTACLE 7	3	902	NM	Copper	1	Set of	10	1.5	128	120	1	1.96%	4

Panel LC2A - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	318	120	1	2.10%	2
3	LC2A RECEPTACLE 8	2	898	NM	Copper	1	Set of	10	4.5	84	120	1	2.79%	3
4	LC2A RECEPTACLE 9	3	547	NM	Copper	1	Set of	10	3	24	120	1	2.92%	4
5	LC2A RECEPTACLE 10	4	492	NM	Copper	1	Set of	10	1.5	29	120	1	3.00%	5

Panel LC2A - Circuit 25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	7.5	133	120	1	0.73%	2
3	LC2A RECEPTACLE 11	2	2,085	NM	Copper	1	Set of	10	6	16	120	1	0.91%	3
4	LC2A RECEPTACLE 12	3	1,625	NM	Copper	1	Set of	10	4.5	22	120	1	1.09%	4
5	LC2A RECEPTACLE 13	4	1,246	NM	Copper	1	Set of	10	3	30	120	1	1.25%	5
6	LC2A RECEPTACLE 14	5	946	NM	Copper	1	Set of	10	1.5	34	120	1	1.33%	6

W PANEL LC1A VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC3 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.316667	297	120	1	1.19%	2
3	STA106+02.04	2	1,491	NM	Copper	1	Set of	6	6.1	114	120	1	1.70%	3
4	STA3011+79.48	3	942	NM	Copper	1	Set of	6	4.066667	204	120	1	2.31%	4
5	STA3009+82.00	4	568	NM	Copper	1	Set of	6	2.033333	217	120	1	2.64%	5

Panel LC3 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	10	120	1	0.07%	2
3	STA4013+13.27	2	17,290	NM	Copper	1	Set of	6	6.1	97	120	1	0.51%	3
4	STA4011+46.64	3	2,561	NM	Copper	1	Set of	6	4.066667	368	120	1	1.61%	4
5	STA4009+72.12	4	605	NM	Copper	1	Set of	6	2.033333	198	120	1	1.90%	5

Panel LC3 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA110+79.14	1	42,472	NM	Copper	1	Set of	4	8.133333	502	120	1	1.97%	2
3	STA5012+39.86	2	895	NM	Copper	1	Set of	4	6.1	190	120	1	2.53%	3
4	STA5010+81.80	3	653	NM	Copper	1	Set of	4	4.066667	170	120	1	2.87%	4
5	STA5009+72.63	4	526	NM	Copper	1	Set of	4	2.033333	130	120	1	3.00%	5

Panel LC3 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	6.65	145	120	1	0.71%	2
3	LC3 PULL BOX 4	2	1,920	NM	Copper	1	Set of	6	4.433333	85	120	1	0.98%	3
4	STA110+22.24	3	1,231	NM	Copper	1	Set of	6	0.366667	152	120	1	1.02%	4
5	STA110+74.43	4	750	NM	Copper	1	Set of	6	0.183333	142	120	1	1.04%	5

Panel LC3 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	9	289	120	1	1.91%	2
3	LC3 RECEPTACLE 1 ob	2	986	NM	Copper	1	Set of	6	1.5	109	120	1	2.03%	3
4	LC3 RECEPTACLE 1	3	720	NM	Copper	1	Set of	10	1.5	15	15	1	2.36%	4

Panel LC3 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.5	141	120	1	1.09%	2
3	LC3 PULL BOX 4	2	1,972	NM	Copper	1	Set of	6	6	84	120	1	1.46%	3
4	LC3 RECEPTACLE 2	3	1,258	NM	Copper	1	Set of	10	4.5	117	120	1	2.42%	4
5	LC3 RECEPTACLE 3	4	559	NM	Copper	1	Set of	10	3	26	120	1	2.56%	5
6	LC3 RECEPTACLE 4	5	498	NM	Copper	1	Set of	10	1.5	37	120	1	2.67%	6

Panel LC3 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 5	1	42,472	NM	Copper	1	Set of	4	9	304	120	1	1.32%	2
3	LC3 RECEPTACLE 5	2	1,458	NM	Copper	1	Set of	6	6	165	120	1	2.05%	3
4	LC3 RECEPTACLE 6	3	799	NM	Copper	1	Set of	10	4.5	28	120	1	2.28%	4
5	LC3 RECEPTACLE 7	4	671	NM	Copper	1	Set of	10	1.5	19	120	1	2.33%	5

X PANEL LC3 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

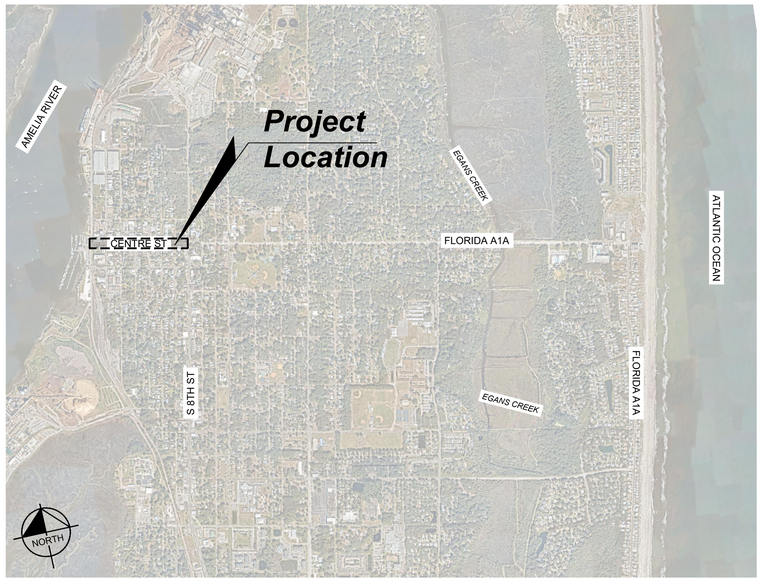
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.07 January 08, 2025 10:47:13am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

STREETSCAPE PLANS
HARDSCAPE, PLANTING, IRRIGATION
FOR
CITY OF FERNANDINA BEACH - FLORIDA
PHASE I - CENTRE STREET

JANUARY 8TH, 2025



VICINITY MAP
NOT TO SCALE

LANDSCAPE ARCHITECT:
MATTHEW A. JURNEY, PLA
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 420-4779

CIVIL ENGINEER:
BRIAN DEITSCH, PE.
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 828-3936

TOPOGRAPHIC SURVEYOR:
MICHAEL A. MANZIE, PLS.
117 SOUTH NINTH STREET
FERNANDINA BEACH, FLORIDA 32034
PHONE (904) 491-5700

ELECTRICAL ENGINEER:
PETER SYNTAX, PE
KIMLEY-HORN AND ASSOCIATES, INC.
1661 E CAMELBACK RD #400
PHEONIX, ARIZONA
PHONE: (602) 291-9521

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

COVER SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.00 January 08, 2025 10:23:39am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C0.00_COVER SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY INDEX TABLE	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY

BRIAN S. DEITSCH LICENSE No. 77073 STATE OF FLORIDA PROFESSIONAL ENGINEER

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
BRIAN S. DEITSCH No. 77073

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BRIAN S. DEITSCH, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

INDEX OF SHEETS	
Sheet Number	Sheet Title
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN

REGISTERED LANDSCAPE ARCHITECT MATTHEW A. JURNEY LA6666993 STATE OF FLORIDA

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
MATTHEW A. JURNEY, PLA No. LA6666993

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MATTHEW A. JURNEY, PLA ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 6110.11.010 F.A.C..

INDEX OF SHEETS	
Sheet Number	Sheet Title
C0.00	COVER SHEET
C0.01	SIGNATURE SHEET
C0.02	GENERAL NOTES
C0.03	STORM WATER POLLUTION PREVENTION DETAILS
C0.04	KEY MAP
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C2.50	TREE DISPOSITION NOTES AND DETAILS
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
H1.01	HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
H1.08	HARDSCAPE PLAN SCHEDULES
H1.50	HARDSCAPE DETAILS
H1.51	HARDSCAPE DETAILS
H1.52	HARDSCAPE DETAILS
H1.53	HARDSCAPE DETAILS
H1.54	HARDSCAPE DETAILS

L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L1.08	PLANTING SCHEDULE
L1.50	PLANTING NOTES
L1.51	PLANTING DETAILS
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN
L2.08	IRRIGATION SCHEDULES
L2.50	IRRIGATION NOTES
L2.51	IRRIGATION DETAILS
L2.52	IRRIGATION DETAILS

PETER M. SYNTAX LICENSE No. 74259 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/28/2025

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
PETER SYNTAX No. 74259

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PETER SYNTAX ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

LIGHTING PLANS	
Sheet Number	Sheet Title
E1.00	GENERAL NOTES
E1.01	LIGHTING PLAN
E1.02	LIGHTING PLAN
E1.03	LIGHTING PLAN
E1.04	LIGHTING PLAN
E1.05	LIGHTING PLAN
E1.06	LIGHTING PLAN
E1.07	LIGHTING PLAN
E2.01	LIGHTING PLAN
E2.02	LIGHTING PLAN
E2.03	LIGHTING PLAN
E2.04	LIGHTING PLAN
E2.05	LIGHTING PLAN
E2.06	LIGHTING PLAN
E2.07	LIGHTING PLAN
E2.08	LIGHTING PLAN
E2.09	LIGHTING PLAN
E2.10	LIGHTING PLAN
E2.11	LIGHTING PLAN
E2.12	LIGHTING PLAN
E3.01	LIGHTING DETAILS
E3.02	LIGHTING DETAILS
E3.03	LIGHTING PANEL SCHEDULES
E3.04	LIGHTING DETAILS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

SIGNATURE SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.01

Plotted By:Zlegmont Charles Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.01 January 08, 2025 11:26:51am K:\JAX_LALP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CADD\Plan Sheets\C0.01 SIGNATURE SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY

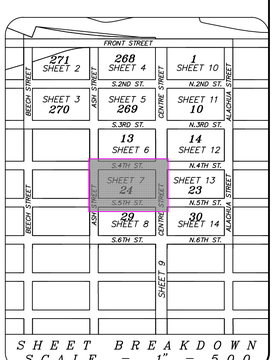
SHEET NUMBER: S0.04

MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY

GRAPHIC SCALE
0 50 100 200 400
1 INCH = 100 FEET

ADDITIONAL ELEVATIONS - OCTOBER 2024

POINT	LAYER NAME	DESCRIPTION
(11.82)	POINTS-TOPO-OCT2024-ALCOVE ELEV	ELEVATION IN ALCOVE
(11.82)	POINTS-TOPO-OCT2024-CONC ELEV	ELEVATION ON CONCRETE FLATWORK (NO STAMPING)
(12.28)	POINTS-TOPO-OCT2024-HEX STAMPED CONC ELEV	ELEVATION ON HEX STAMPED CONCRETE FLATWORK
(11.82)	POINTS-TOPO-OCT2024-BRICK ELEV	ELEVATION ON BRICK FLATWORK (NOT STAMPED CONCRETE)
(11.91)	POINTS-TOPO-OCT2024-ASPHALT ELEV	ELEVATION ON ASPHALT
(15.74)	POINTS-TOPO-OCT2024-PEBBLE WALK ELEV	ELEVATION ON PEBBLE-ROCK FLATWORK
(15.92)	POINTS-TOPO-OCT2024-BRICK STAMPED CONC ELEV	ELEVATION ON BRICK DESIGN STAMPED CONCRETE
(8.85)	POINTS-TOPO-OCT2024-BRICK WALL ELEV (TOP)	ELEVATION ON BRICK WALL (TOP OF WALL)
(12.37)	POINTS-TOPO-OCT2024-ROUND COLUMN ELEV (TOP)	ELEVATION ON 12" ROUND COLUMN (TOP OF COLUMN)
(15.31)	POINTS-TOPO-OCT2024-COPING WALL ELEV (TOP)	ELEVATION ON COPING WALL (TOP OF WALL)
(8.96)	POINTS-TOPO-OCT2024-GRANITE CURB ELEV (TOP)	ELEVATION ON BACK OF GRANITE CURB (TOP OF CURB)
(9.53)	POINTS-TOPO-OCT2024-HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH-BACK CURB" (TOP OF CURB)



SHEET BREAKDOWN
SCALE = 1" = 500

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491-5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 7 OF 14

"OUR *SIGHTS* ARE ON THE FUTURE, SET YOUR *SITES* ON US."

SCALE: 1"=20' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD
F.B. NO: X-385 PAGE NO: 1-10 CREW: SS FILE NO: C-1272

SOUTH FOURTH STREET
(60-FOOT RIGHT-OF-WAY)

SOUTH FIFTH STREET
(60-FOOT RIGHT-OF-WAY)

ASH STREET
(60-FOOT RIGHT-OF-WAY)

CENTRE STREET
"AKA ATLANTIC AVENUE"
(60-FOOT RIGHT-OF-WAY)

BLOCK 13
BLOCK 23
BLOCK 24
BLOCK 29

#316A
#317
#318
#319
#322
#402
#406
#416
#500
#501

(2)12" DIAMETER ROUND COLUMN

SITE BENCHMARK #4
NAIL & DISK "MANZIE LB 7039"
SET IN WOOD POWER POLE
ELEVATION = 16.17' N.A.V.D. 1988
FIELD BOOK = X-551, PAGE 9

ADDITIONAL PROJECT ELEVATIONS
ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITIES AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AND/OR CODES.

2. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE DESIGN PROFESSIONAL AT THE TIME OF THE TOPOGRAPHIC SURVEY. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR DESIGN PROFESSIONAL WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, LICENSES, AND BONDS AS REQUIRED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL OBTAIN COPIES OF AND FAMILIARIZE HIMSELF AND HIS SUBCONTRACTORS WITH THE PERMIT CONDITIONS OF ALL OWNER OBTAINED PERMITS FOR THE WORK.

5. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE DESIGN PROFESSIONAL.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER/DESIGN PROFESSIONAL PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER/DESIGN PROFESSIONAL OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

8. ACCESS TO BUSINESSES AND BUILDING ACCESS POINTS SHALL BE MAINTAINED TO THE GREATEST EXTENT PRACTICAL. WHEN ACCESS CANNOT BE MAINTAINED, THE TIME OF NON-ACCESS SHALL BE MINIMIZED AND CLOSELY COORDINATED WITH THE PROPERTY OWNER.

9. ANY DAMAGE TO PRIVATE PROPERTY MADE BY THE CONTRACTOR SHALL BE PROMPTLY REPAIRED TO AN EQUAL OR BETTER CONDITION AS IT WAS BEFORE COMMENCEMENT OF THE WORK.

10. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.

11. WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL HOLD AND PROTECT POLE DURING CONSTRUCTION AT THE CONTRACTORS EXPENSE.

DEMOLITION NOTES:

1. REFER TO THE EXISTING CONDITION SHEET FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, PIPES, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO REMAIN OR RELOCATED. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.

2. THE CONTRACTOR SHALL REFER TO THE PLANS FOR DEMOLITION/PRESERVATION OF EXISTING TREES AND LANDSCAPING. ALL TREES AND LANDSCAPING NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE/LANDSCAPING PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.

3. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS 30 DAYS IN ADVANCE TO RELOCATION LANDSCAPING IN CONFLICT WITH THE WORK. LANDSCAPE IN CONFLICT, LEFT IN PLACE, SHALL BE REMOVED AND REPLACED BY CONTRACTOR (IN RIGHT-OF-WAY ONLY) UNLESS OTHERWISE NOTED.

4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

5. ALL ELEVATION MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

6. CONTRACTOR SHALL EXERCISE CAUTION WHILE REMOVING AND/OR RELOCATING EXISTING SIGNS IN ORDER TO PREVENT ANY UNNECESSARY DAMAGE TO THE SIGNS. SIGNS WHICH ARE DAMAGED BEYOND USE AS DETERMINED BY THE ENGINEER SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

PAVING, GRADING, AND DRAINAGE NOTES:

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH STANDARDS APPLICABLE TO PUBLIC RIGHTS-OF-WAY STANDARDS AND EASEMENTS WITHIN THE CITY OF FERNANDINA BEACH OR FDOT SPECIFICATIONS AND STANDARDS (2017-18) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.

2. ALL ELEVATIONS SHOWN REFER TO NAVD 1988.

3. CONSTRUCT CURBING IN ACCORDANCE WITH PROJECT DETAILS AS APPLICABLE.

4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL.

10. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AND AS INDICATED ON THE DRAWINGS.

11. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH SPECIFICATIONS, THE LOCAL JURISDICTIONAL AGENCY, OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

16. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.

WATER AND SEWER UTILITY NOTES:

1. CONTRACTOR SHALL COORDINATE WITH CITY OF FERNANDINA BEACH UTILITY DEPARTMENT PRIOR TO CONSTRUCTION. IF THE UTILITY DEPARTMENT ELECTS TO REPLACE WATER/SEWER SERVICE LINES DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE STREETSCAPE IMPROVEMENTS WITH THE CITY'S UTILITY REPLACEMENTS.

2. WATER SERVICES AND SANITARY SERVICES SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION. THE FIRE MARSHALL MUST BE NOTIFIED IN ADVANCE OF ANY INTERRUPTION TO FIRE SERVICES.

3. WATER METERS FOUND TO BE IN CONFLICT WITH THE PROPOSED CURBING SHALL BE RELOCATED. ALL WATER METER RELOCATIONS SHALL BE APPROVED BY THE CITY OF FERNANDINA BEACH PRIOR TO THE CONTRACTOR PROCEEDING WITH THE RELOCATION.

4. ALL WATER METER COVERS ON PROJECT TO BE REPLACED. WATER METER BOX COVERS FOR THIS PROJECT SHALL BE AS FOLLOWS:
   1. CDR 15" X 17" TIER 8 BY HUBBELL OR APPROVED EQUAL (DUAL METERS)
   2. QUAZITE 11" X 18" TIER 8 BY HUBBELL OR APPROVED EQUAL (1" METER)

5. WATER METER COVERS SHALL BE SKID RESISTANT AND BE STAINED TO MATCH PROPOSED PAVERS AND/OR CONCRETE

SIGNING AND MARKING NOTES:

1. CONTRACTOR TO STORE AND PROTECT ANY EXISTING PLACARDS AND REUSE WHEREVER POSSIBLE ON NEW SIGN POSTS. ALL NEW SIGNS FURNISHED FOR THIS PROJECT TO BE DIAMOND GRADE. NEW SIGN POSTS FOUNDATIONS AND BREAKAWAY SLIP BASE SHALL CONFORM TO FDOT STANDARD INDEX 11860. SIGN POST MATERIAL AND COLOR TO BE COORDINATED WITH THE CITY OF FERNANDINA BEACH.

2. SIGNAGE ON PRIVATE PROPERTY IS TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED.

3. SIGN PLACEMENT FOR STOP SIGN SHOULD BE IN ACCORDANCE WITH FIGURE 2A-1. OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). HEIGHTS AND LATERAL LOCATION OF STOP SIGNS REFER TO SECTION 2A.16 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

4. SIGN PLACEMENT SHALL CONFORM TO FDOT STANDARD INDEX 17302.

5. PARKING SIGNS WITH DIRECTION ARROWS SHALL BE INSTALLED AT AN ANGLE OF NOT LESS THAN 30° BUT NOT MORE THAN 45° WITH THE LINE OF TRAFFIC FLOW.

EROSION CONTROL NOTES:

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THESE EROSION CONTROL NOTES, THE STANDARD DETAILS, ATTACHMENTS INCLUDED IN SPECIFICATIONS, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

2. CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF INTENT TO USE THE CITY'S NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AS REQUIRED PRIOR TO THE START OF WORK.

3. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

4. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

5. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.

6. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.

7. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

8. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO WATERS OF THE STATE.

11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.

12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.

13. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

14. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE AND AT THE CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE PROJECT.

16. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

17. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

18. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.

19. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

EROSION CONTROL MAINTENANCE:

ALL MEASURES STATED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

3. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

4. TEMPORARY PARKING AND STORAGE AREAS SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

5. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

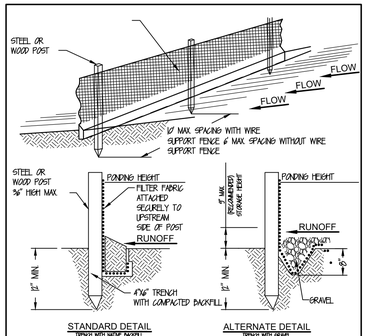
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

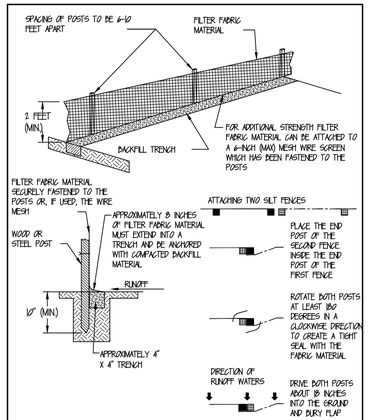
SHEET NUMBER
C0.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.02 January 08, 2025 10:26:18am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

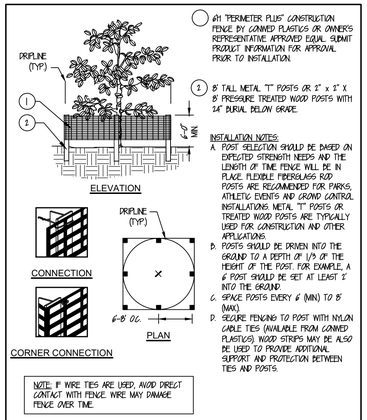


NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
1. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED
2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL



SILT FENCE INSTALLATION DETAIL

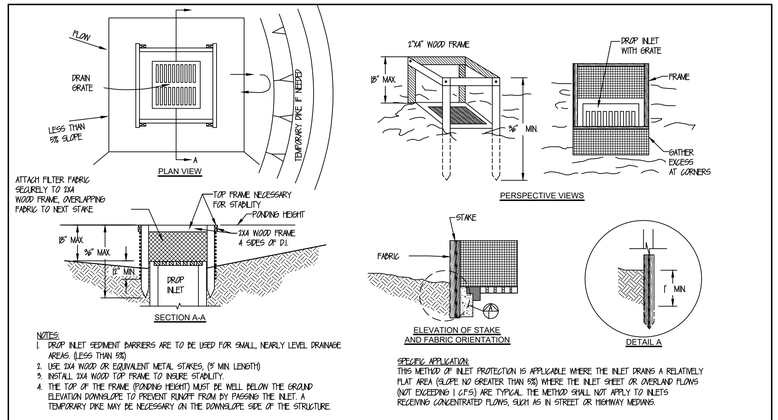


1. #11 "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:
A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
C. SPACE POSTS EVERY 6' (MIN) TO 8' (MAX).
D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

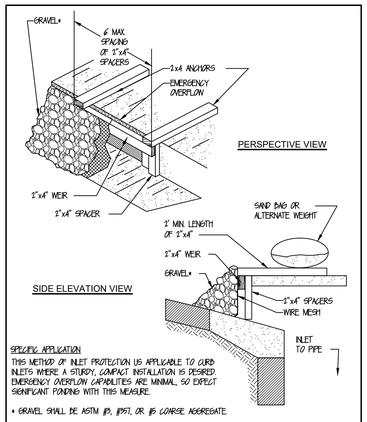
TREE BARRICADE



NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%)
2. USE 2X4 WOOD OR EQUIVALENT METAL STAKES, (3' MIN LENGTH)
3. INSTALL 2X4 WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

SPECIFIC APPLICATION:
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

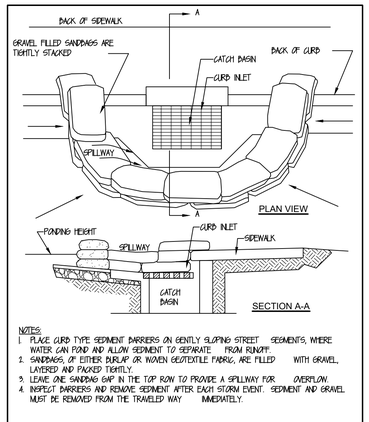
FILTER FABRIC DROP INLET SEDIMENT BARRIER



SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE TO CURB INLETS WHERE A STURDY, COMPACT INSTALLATION IS DESIRED. EMERGENCY OVERFLOW CAPABILITIES ARE MINIMAL, SO EXPECT SIGNIFICANT PONDING WITH THIS MEASURE.

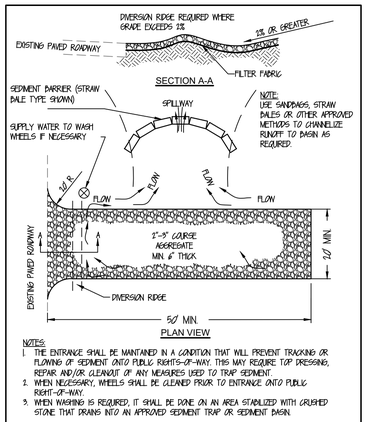
* GRAVEL SHALL BE ASTM #3, #357, OR #5 COARSE AGGREGATE.

GRAVEL CURB INLET SEDIMENT FILTER WITH OVERFLOW WEIR



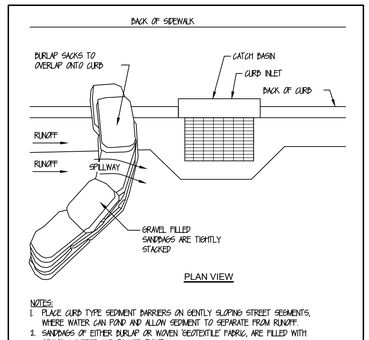
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB INLET SEDIMENT BARRIER



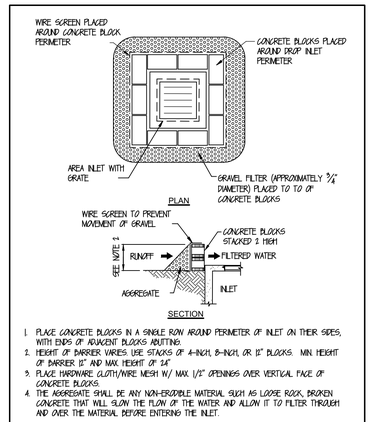
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



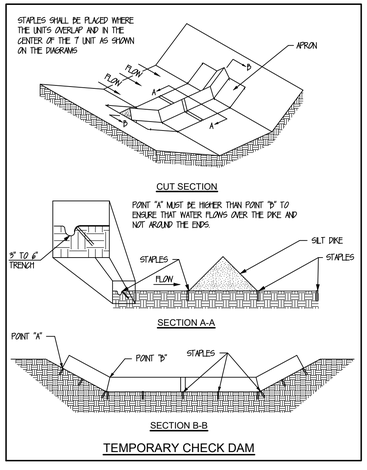
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB AND GUTTER SEDIMENT BARRIER

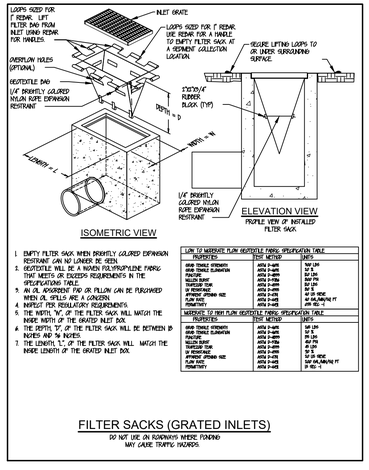


1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN HEIGHT OF BARRIER 12" AND MAX HEIGHT OF 24"
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE AGGREGATE SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

BLOCK AND AGGREGATE INLET SEDIMENT DEVISE



TEMPORARY CHECK DAM



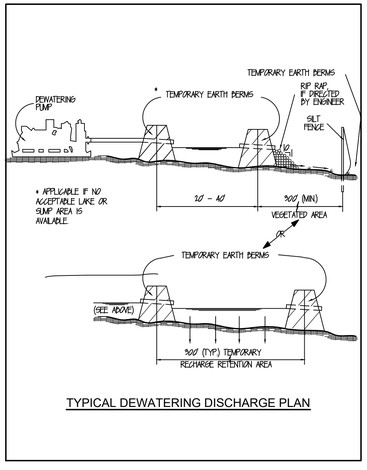
1. EMPTY FILTER SACK WHEN BRIGHTLY COLORED EMBARGO RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. AN OIL ABSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK WILL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH "D", OF THE FILTER SACK WILL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK WILL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	160 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	15 %
MULLEN BURST	ASTM D-3786	300 LBS
TRAPEZOID TEAR	ASTM D-4533	60 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	150 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.0 SEC-1

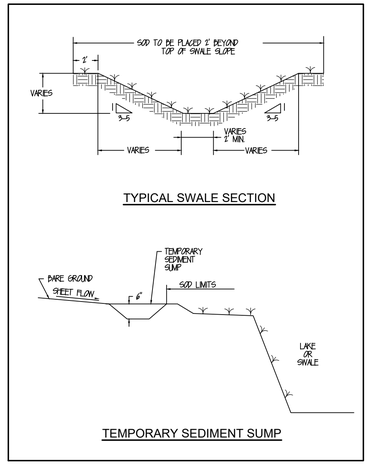
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	249 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	50 %
MULLEN BURST	ASTM D-3786	390 PSI
TRAPEZOID TEAR	ASTM D-4533	90 LBS
UV RESISTANCE	ASTM D-4355	70 %
APPARENT OPENING SIZE	ASTM D-4751	30 US SIEVE
FLOW RATE	ASTM D-4491	224 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.8 SEC-1

FILTER SACKS (GRATED INLETS)

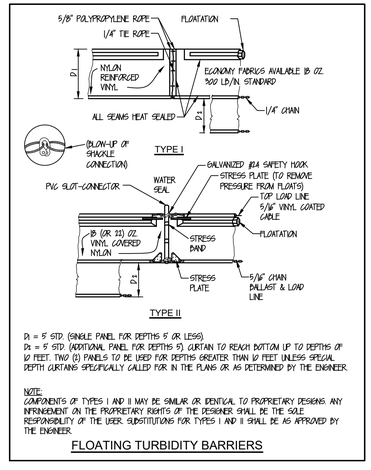
DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.



TYPICAL DEWATERING DISCHARGE PLAN



TEMPORARY SEDIMENT SUMP



D1 = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D2 = 9' STD. (ADDITIONAL PANEL FOR DEPTHS 5'). CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTE:
COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DESIGNED BY:	CHECKED BY:
142806005	KHA	MAJ
DATE: 01/08/2025	DRAWN BY: NL	
SCALE: AS SHOWN		

STORM WATER POLLUTION PREVENTION DETAILS

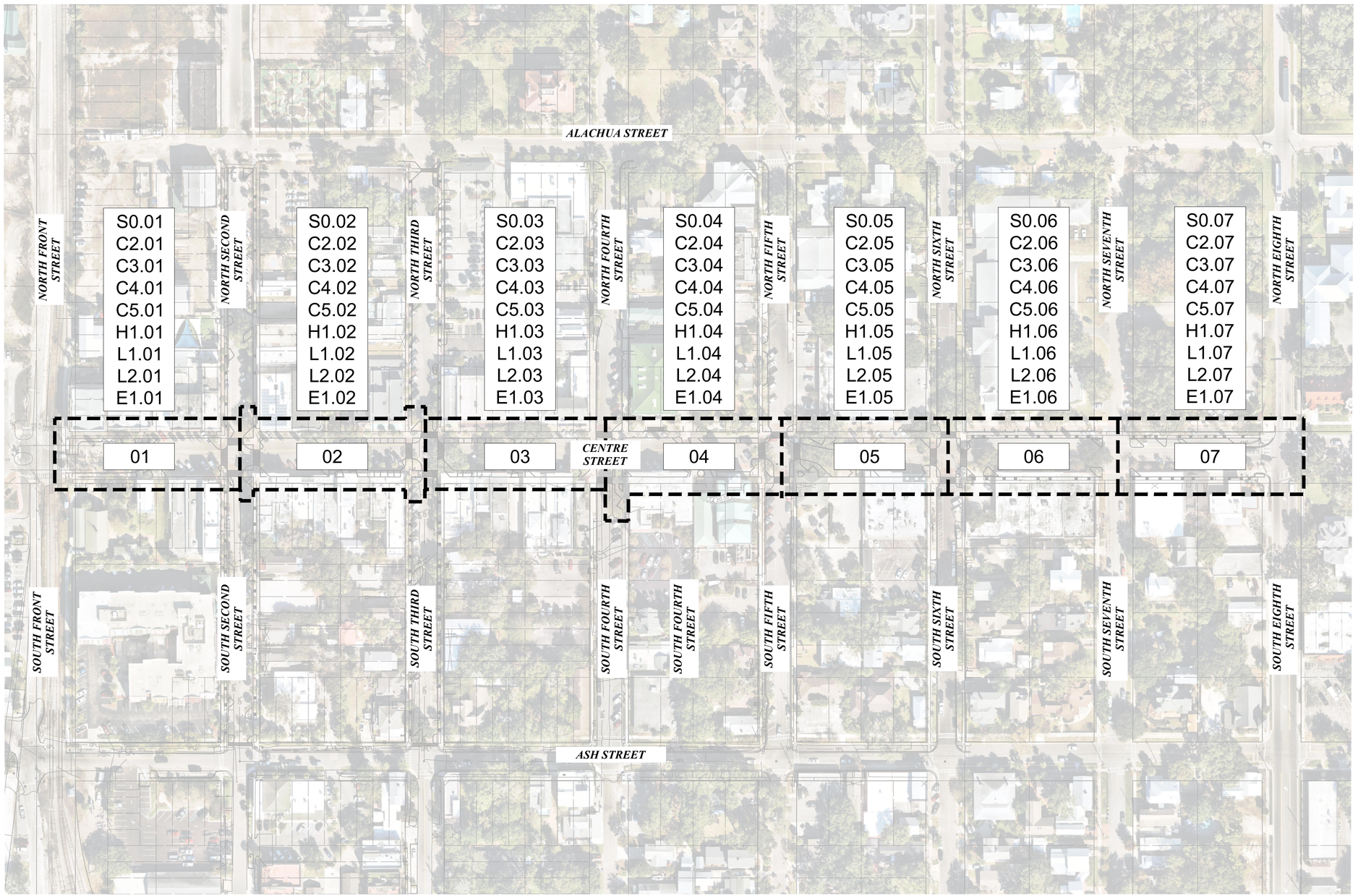
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER C0.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.03 January 08, 2025 10:26:20am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

INDEX OF SHEETS	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN
H1.01	OVERALL HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	
DRAWN BY: NL	
CHECKED BY: MAJ	

KEY MAP

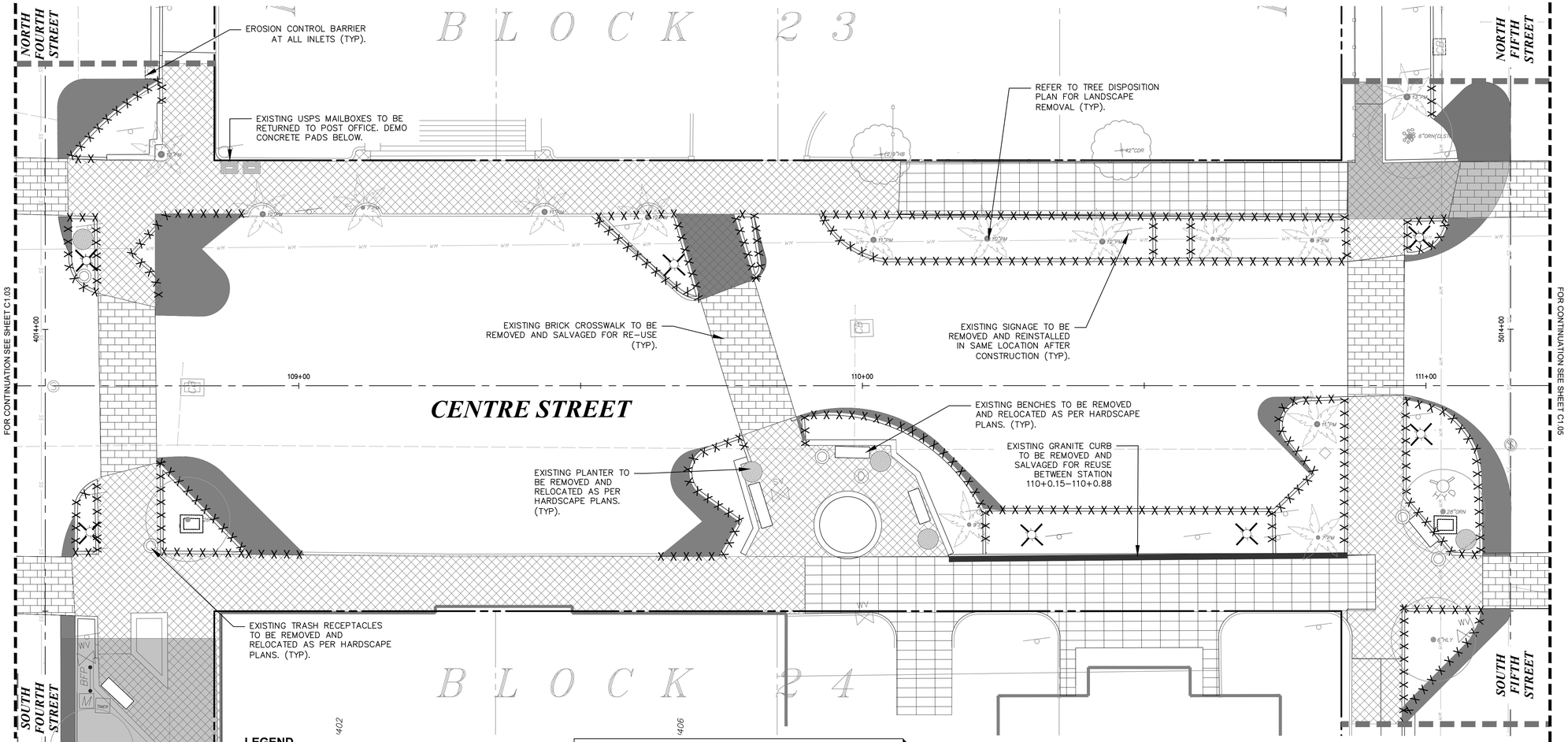
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.04

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.04 January 08, 2025 11:19:59am K:\JAX_LAP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\C0.04 KEY MAP.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM — COM — COM — PROPOSED ELECTRIC

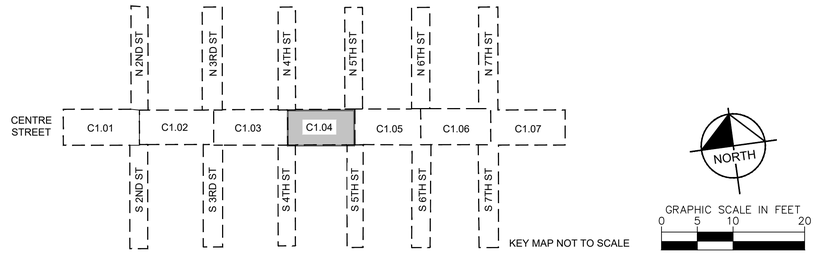
TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

DEMOLITION LEGEND

- EXISTING ELECTRICAL OUTLET
- EXISTING TREE GRATE TO BE REMOVED
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
- EXISTING PLANTER TO BE REMOVED AND RELOCATED
- EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING SEAT WALL TO BE REMOVED
- EXISTING BENCH TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- TREE PROTECTION AREA (HANDWORK ONLY)
- EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
- EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
- EROSION CONTROL BARRIER
- EXISTING TREE
- EXISTING OFF-SITE TREE
- EXISTING PALM TREE
- EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

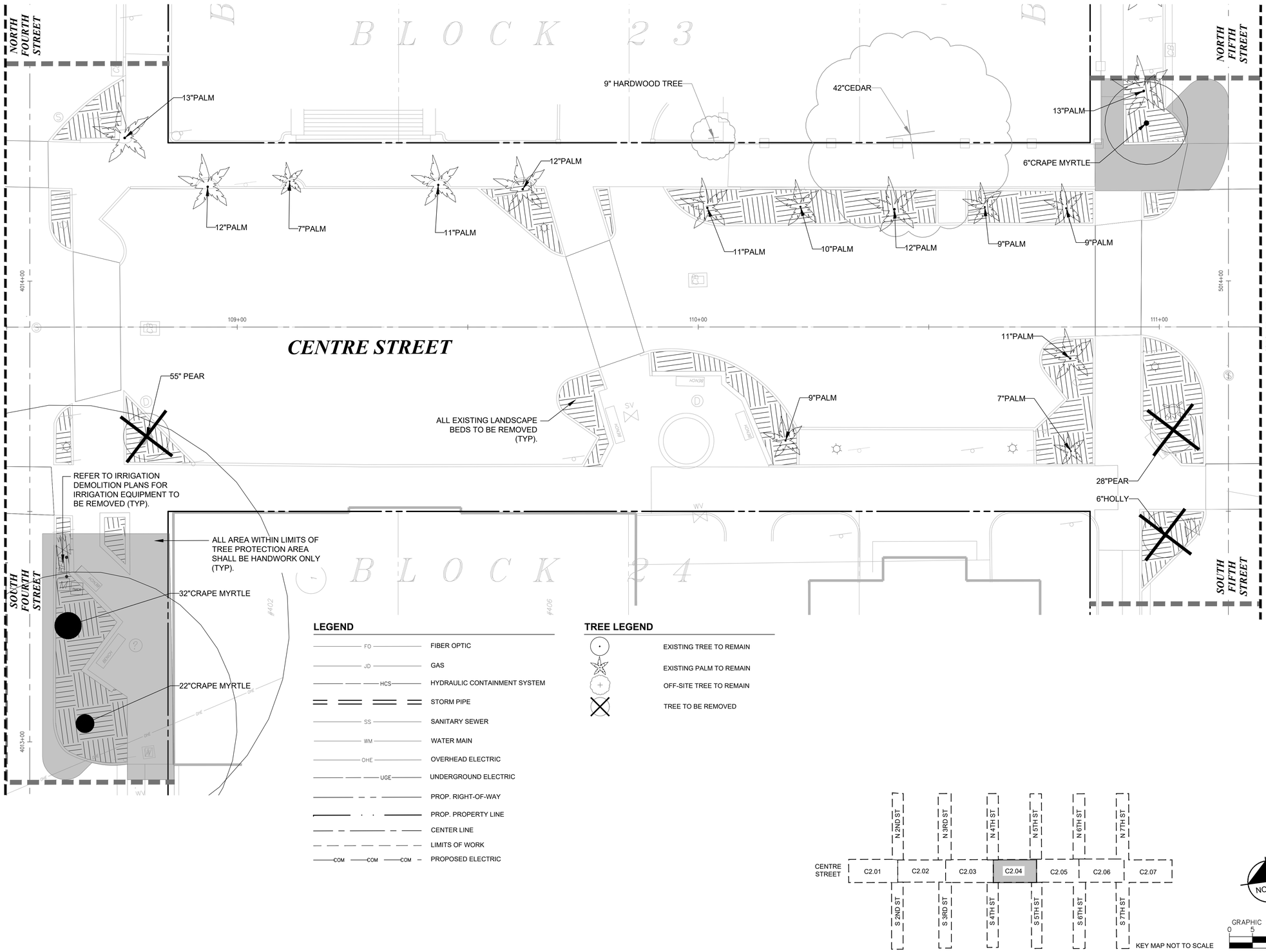
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
C1.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C2.04 January 08, 2025 10:55:14am K:\JAX_LAI\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.04 January 08, 2025 10:29:45am K:\JAX_LALP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

TREE LEGEND

	EXISTING TREE TO REMAIN
	EXISTING PALM TO REMAIN
	OFF-SITE TREE TO REMAIN
	TREE TO BE REMOVED

KEY MAP NOT TO SCALE

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA
		DRAWN BY: NL	CHECKED BY: MAJ

TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
C2.04

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.50 January 08, 2025 10:30:00am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TREE MITIGATION SPECIFICATIONS

A. GENERAL

1. CONTRACTOR SHALL ADHEAR TO ALL TREE PROTECTION REQUIREMENTS LISTED IN THESE SPECIFICATIONS AND/OR THOSE LISTED IN THE CITY OR COUNTY ZONING CODE, TREE PROTECTION (LATEST EDITION), WHICHEVER IS MORE STRINGENT SHALL APPLY.
2. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PROCEDURES WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
3. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATION MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE.
4. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED FROM THIS PROHIBITION.
5. EXISTING TREE LOCATIONS AND SIZES ARE ESTIMATES AND ARE BASED ON A SURVEY PROVIDED BY THE OWNER SELECTED SURVEYOR.
6. CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH PERMITTING AGENCY AND PROJECT ARBORIST PRIOR TO CONSTRUCTION. NO PERSON MAY REMOVE OR CAUSE TO BE REMOVED ANY PROTECTED TREE OR PALM WITHOUT FIRST HAVING PROCURED A PERMIT AS PROVIDED BY THE APPROPRIATE PERMITTING AGENCY.
7. FOR PROTECTED TREES OR PALMS BEING REMOVED, THE CONTRACTOR MUST GIVE THE PERMITTING AGENCY REASONABLE OPPORTUNITY TO RELOCATE TREES DESIGNATED FOR REMOVAL TO ANOTHER SITE AT THE PERMITTING AGENCY'S EXPENSE.
8. CONTRACTOR IS RESPONSIBLE FOR POSSESSING ALL REQUIRED APPLICATOR LICENSES, BUSINESS REGISTRATIONS AND INSURANCE, PESTICIDE LABELS, AND MATERIAL DATA SAFETY SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING ALL SPILL CONTAINMENT MATERIALS AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR PESTICIDE APPLICATIONS AND ACCIDENTAL SPILLS ON SITE AT ALL TIMES. THE OWNER RESERVES THE RIGHT TO INSPECT EACH APPLICATOR AND HAVE THESE MATERIALS PRESENTED BEFORE AND DURING ANY PESTICIDE TREATMENT.
9. WHERE TRAFFIC AREAS ARE PROPOSED WITHIN THE DRIP LINE OF PROTECTED TREES AND LESS THAN FOUR (4) INCHES OF GRADE CHANGE ARE PROPOSED, PERMEABLE SURFACES THAT ALLOW AIR AND WATER INTO THE SOIL SHOULD BE USED IN LIEU OF ASPHALT OR OTHER SUCH IMPERVIOUS SURFACES.
10. TREE WELLS OF AN APPROVED DESIGN SHALL BE CONSTRUCTED AROUND ALL TREES TO BE PRESERVED WHEN MORE THAN FOUR INCHES OF FILL IS TO BE DEPOSITED WITHIN THE DRIP LINE AREA OF THOSE TREES. COORDINATE WITH PROJECT ARBORIST.
11. THE SEQUENCE OF TREE MITIGATION AND PRESERVATION MEASURES IS IMPERATIVE TO THE HEALTH AND SURVIVABILITY OF THE SUBJECT TREES AND SHALL BE COORDINATED WITH THE OWNER SELECTED PROJECT ARBORIST. THE DESIRED SEQUENCE IS OUTLINED BELOW:
    a. TREE PROTECTION FENCING.
    b. ROOT PRUNING AND ROOT BARRIERS.
    c. CLEARING.
    d. TREE CANOPY PRUNING.
    e. FERTILIZATION.
    f. INSECTICIDE.
    g. IRRIGATION.

B. TREE PROTECTION FENCING

1. PRIOR TO THE ERECTION OF ANY TREE PROTECTION FENCING, ALL FOREIGN SURFACE MATERIAL, TRASH OR DEBRIS SHALL BE REMOVED FROM THE AREA TO BE ENCLOSED BY THE FENCING. AFTER ERECTION OF THE FENCING NO SUCH MATERIAL OR LITTER SHALL BE PERMITTED TO REMAIN WITHIN THE PROTECTED AREA.
2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL PROTECTED TREES TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING, LAND ALTERATION, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
3. NATIVE GROUND COVER AND UNDERSTORY VEGETATION EXISTING WITHIN THE PROTECTED AREA SHALL REMAIN THROUGHOUT CONSTRUCTION. OTHER DESIGNATED VEGETATION AND INVASIVE PLANT SPECIES SHALL BE REMOVED ONLY BY MANUAL LABOR UTILIZING HAND TOOLS, OR BY OTHER METHODS APPROVED BY THE PROJECT ARBORIST.
4. TREE PROTECTION FENCING TYPES AND LOCATIONS SHALL BE ERECTED AS SHOWN ON THE TREE MITIGATION PLANS AND DETAILS, OR AS REQUESTED BY LOCAL AGENCY.
5. FINAL LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ARBORIST.
6. NO MATERIALS, EQUIPMENT, SPOIL, WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED, OR PARKED WITHIN 20 FEET OF THE TREE PROTECTION ZONE.
7. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE.
8. CONSTRUCTION ACTIVITY SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
9. DO NOT INSTALL CONDUIT, DRAIN OR IRRIGATION LINES, OR ANY UTILITY LINE WITHIN THE TREE PROTECTION ZONE WITHOUT THE APPROVAL OF THE PROJECT ARBORIST. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
10. CONTRACTOR'S ACCESS TO FENCED TREE PROTECTION AREAS WILL BE PERMITTED ONLY WITH APPROVAL OF THE PROJECT ARBORIST.
11. EXCAVATION OR GRADING REQUIRED WITHIN THE PROTECTED AREA SHALL BE LIMITED TO THREE (3) INCHES OF CUT OR FILL. COORDINATE WITH PROJECT ARBORIST.
12. STRUCTURES AND UNDERGROUND FEATURES TO BE REMOVED WITHIN THE TREE PROTECTION ZONE SHALL BE COORDINATED WITH THE PROJECT ARBORIST.
13. TREE PROTECTION FENCING AROUND TREES TO BE RELOCATED SHALL BE ERECTED UNTIL THE TREE IS READY TO BE RELOCATED AND NEW FENCING SHALL BE ERECTED AT THE TREES NEW LOCATION AND WILL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE.
14. IF ANY DAMAGE TO TREE PROTECTION FENCING SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIRS.
15. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE PROTECTED AREA OF TREES TO BE PRESERVED, A ROAD BED OF SIX (6) INCHES OF MULCH OR GRAVEL SHALL BE CREATED TO PROTECT THE SOIL. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A SIX (6) INCH ROAD BED AT ALL TIMES. CONTRACTOR SHALL REMOVE ALL SUCH MATERIALS FROM THE SITE AS SOON AS TEMPORARY ACCESS IS NO LONGER NECESSARY.
16. CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST PRIOR TO THE REMOVAL OF ALL TREE PROTECTION FENCING.

C. ROOT PRUNING/TRENCHING

1. TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE PROJECT ARBORIST.
2. TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE PROJECT ARBORIST. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
5. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

D. CLEARING

1. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH HAND-OPERATED EQUIPMENT.
2. CONTRACTOR SHALL CLEAR ALL TREE PROTECTION AREAS OF VINES, SHRUBS, GROUND COVERS, WEEDS, SAPLINGS, AND INVASIVES LISTED ON THE LATEST EDITION OF THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE SPECIES.
3. PROJECT ARBORIST MUST APPROVE METHODS OTHER THAN HAND CLEARING.
4. A TWO (2) INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES DURING THE SITE CLEARING PHASE.

E. TREE CANOPY PRUNING

TREE PRUNING SPECIFICATIONS SHALL BE DEFINED BASED ON SPECIFIC RECOMMENDATIONS OF THE PROJECT ARBORIST. INFORMATION PRESENTED BELOW SHOULD BE USED AS A GUIDELINE.

1. CONTRACTOR SHALL VISIT THE SITE WITH THE PROJECT ARBORIST TO VERIFY THE EXTENT OF REQUIRED PRUNING.
2. ALL PRUNING SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST OR AN AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA) REGISTERED CONSULTING ARBORIST (RCA).
3. AT LEAST ONE MEMBER OF THE PRUNING CREW SHALL BE AN ISA CERTIFIED ARBORIST.
4. WHILE IN THE TREE, THE ARBORIST SHALL PERFORM AN AERIAL INSPECTION TO IDENTIFY DEFECTS THAT REQUIRE TREATMENT. ANY ADDITIONAL WORK NEEDED SHALL BE REPORTED TO THE OWNER.
5. PRUNING CUTS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI A300 PRUNING STANDARD (AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS) AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI Z133.1 SAFETY STANDARD. PRUNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ISA'S "BEST MANAGEMENT PRACTICES: TREE PRUNING".
6. WHERE TEMPORARY CLEARANCE IS NEEDED FOR ACCESS, BRANCHES SHALL BE TIED BACK TO HOLD THEM OUT OF THE CLEARANCE ZONE.
7. NO MORE THAN 20 PERCENT OF LIVE FOLIAGE SHALL BE REMOVED WITHIN ANY TREE.
8. ALL TREES WITHIN THE PROJECT AREA SHALL BE PRUNED AS FOLLOWS:
    a. LIVE BRANCH PRUNING SHOULD BE PERFORMED ONLY WHEN THE DANGER OF INSECT OR DISEASE INFESTATION IS NOT PRESENT.
    b. REMOVE STUBS, CUTTING OUTSIDE THE WOUND WOOD TISSUE THAT HAS FORMED AROUND THE BRANCH.
    c. CLEANING, FOR THE SELECTIVE REMOVAL OF DEAD, DISEASED, BROKEN, OR CROSSING BRANCHES DOWN TO ONE INCH IN DIAMETER OR AS DIRECTED BY THE PROJECT ARBORIST.
    d. PRUNING CUTS LARGER THAN 4 INCHES IN DIAMETER, EXCEPT FOR DEAD WOOD, SHALL BE AVOIDED.
    e. PRUNING CUTS THAT EXPOSE HEARTWOOD SHALL BE AVOIDED WHENEVER POSSIBLE.
    f. ALL TREES WITH CROWNS THAT PROJECT INTO PARKING LOT/ROADWAY AREAS SHALL BE RAISED TO 14 FEET ABOVE FINISHED GRADE.
    g. ALL TREES WITH CROWNS THAT PROJECT INTO SIDEWALK AREAS SHALL BE RAISED TO A HEIGHT OF 8 FEET ABOVE FINISHED GRADE.
9. TREES, WHO'S ROOT SYSTEMS WILL BE IMPACTED SHALL RECEIVE THE FOLLOWING PRUNING TO COMPENSATE FOR ROOT LOSS:
    a. THE LOCATION AND SIZE OF BRANCHES FOR REDUCTION SHALL BE DEFINED BY THE PROJECT ARBORIST.
    b. REDUCTION, OR THE SELECTIVE PRUNING TO REDUCE TREE HEIGHT OR SPREAD.
    c. REDUCE END WEIGHT ON HEAVY, HORIZONTAL BRANCHES BY SELECTIVELY REMOVING SMALL DIAMETER BRANCHES, NO GREATER THAN 2 TO 3 INCHES, NEAR THE ENDS OF SCAFFOLD BRANCHES.
    d. RAISING SHALL CONSIST OF SELECTIVE PRUNING TO PROVIDE VERTICAL CLEARANCE.
10. PROPOSED/REPLACEMENT TREES
    a. PRUNING SHALL BE LIMITED TO CLEANING.
11. BRUSH SHALL BE CHIPPED AND SPREAD (ONLY WHEN DISEASE OR INSECT INFESTATION IS NOT PRESENT) UNDERNEATH TREES WITHIN THE TREE PROTECTION ZONE TO A MAXIMUM DEPTH OF THREE (3) INCHES, LEAVING THE TRUNK CLEAR OF MULCH.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS DEBRIS ON A DAILY BASIS.

F. FERTILIZATION

1. CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
2. EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
3. ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
4. TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
    a. MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
    b. MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER. AGITATE MIX.
    c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
    d. THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
    e. FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
    f. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.

G. INSECTICIDE

7. NOTIFY PROJECT ARBORIST IF ANY INFESTATION IS NOTICED.
8. FOLLOW PROJECT ARBORIST'S RECOMMENDED PROCEDURES.
9. FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS CONCERNING APPLICATION. READ ALL WARNING LABELS.
10. ANY PETS, AS WELL AS, THE PETS FOOD AND WATER BOWLS SHOULD BE REMOVED FROM THE AREA AND ANY SWIMMING POOLS SHOULD BE COVERED. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
11. ENSURE COMPLETE COVERAGE AND REAPPLY 2-3 MONTHS AFTER INITIAL APPLICATION UTILIZING SAME PROCEDURE.

H. IRRIGATION

1. EVERY EFFORT SHALL BE MADE TO WATER THE PRESERVED TREES AND TRANSPLANTS. CONTRACTOR SHALL IRRIGATE BY HAND OR BY TEMPORARY IRRIGATION.
2. IRRIGATE AS REQUIRED BY PROJECT ARBORIST UNTIL PERMANENT IRRIGATION IS INSTALLED AND OPERATING.
3. UNDERGROUND IRRIGATION SHALL NOT BE INSTALLED WITHIN THE DRIP LINES OF EXISTING TREES UNLESS ROOT PROTECTION MEASURES ARE PROVIDED AND APPROVED BY PROJECT ARBORIST.

I. TREE REMOVALS

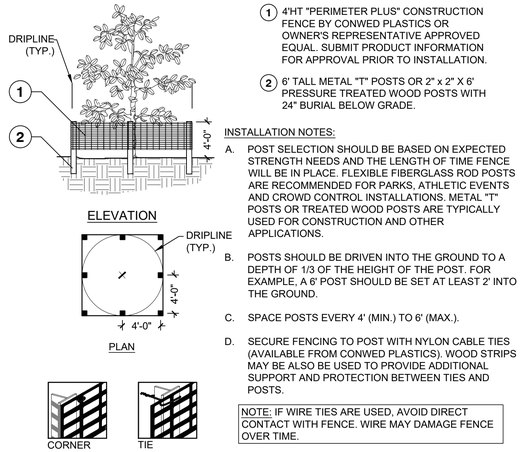
1. PRIOR TO AND DURING LAND CLEARING, INCLUDING GRUBBING, ALL TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY PROJECT ARBORIST WITH RED SURVEY RIBBONS AT 36 INCHES MINIMUM ABOVE GRADE.
2. CONTRACTOR SHALL REMOVE ALL TREES AS SHOWN ON THE TREE MITIGATION PLANS AFTER THE TREE PROTECTION FENCING IS INSTALLED.
3. ALL TREES SHOWN TO BE REMOVED SHALL BE FELLED WITH A CHAIN SAW AND STUMP GROUND 6" BELOW SURFACE. ANY TREE SHOWN TO BE REMOVED THAT IS IN AN AREA WHERE COMPACTION IS CRITICAL SHALL BE FELLED WITH A CHAIN SAW AND STUMP REMOVED BY CONTRACTOR.
4. ALL WOOD AND STUMPS FROM REMOVALS SHALL BE HAULED FROM THE SITE THE SAME DAY, EXCEPT FOR TOPS. ALL TOPS ARE TO BE MULCHED AND STOCKPILED OR HAULED DIRECTLY TO MULCHED AREAS FOR RELOCATED TREES IF SCHEDULING PERMITS. TOPS SHALL BE CHIPPED AND PLACED IN THE TREE PROTECTION ZONE TO A DEPTH OF THREE (3) INCHES. ALL EXCESS WOOD CHIPS SHOULD BE HAULED OFF SITE AFTER TRANSPLANTING IS COMPLETE.
5. ALL BURN PITS IF APPLICABLE MUST BE APPROVED BY THE PROJECT ARBORIST AND OWNER.
6. TREES TO BE REMOVED THAT HAVE BRANCHES EXTENDING INTO THE CANOPY OF TREES TO REMAIN MUST BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST AND NOT BY DEMOLITION OR CONSTRUCTION CONTRACTORS. THE QUALIFIED ARBORIST SHALL REMOVE THE TREE IN A MANNER THAT CAUSES NO DAMAGE TO THE TREES AND UNDERSTORY VEGETATION TO REMAIN.
7. TREES TO BE REMOVED LOCATED WITHIN THE TREE PROTECTION ZONE SHALL BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST. THE TREES SHALL BE CUT NEAR GROUND LEVEL AND THE STUMP GROUND OUT.

J. TOPSOIL

8. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
9. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.
10. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE (1) INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.
11. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR (4) INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.
12. PROJECT ARBORIST SHALL APPROVE ALL TOPSOIL PRIOR TO PLACEMENT.

K. REPAIR OF DAMAGED TREES

1. IF DAMAGE TO ANY TREE SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE DURING THE CONSTRUCTION PERIOD, THE PROJECT ARBORIST SHALL APPRAISE THE DAMAGE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPAIR BY THE CONTRACTOR.
2. IF ANY TREE DESIGNATED TO BE SAVED IS REMOVED FROM THE SITE WITHOUT PERMISSION OF THE OWNER'S REPRESENTATIVE, THE PROJECT ARBORIST SHALL APPRAISE THE TREE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE TREE AND ANY FEES THAT MAY BE ASSESSED TO THE OWNER BY THE GOVERNING AGENCY.



1. 4'HT "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 6' TALL METAL "T" POSTS OR 2" x 2" X 6' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 4' (MIN.) TO 6' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

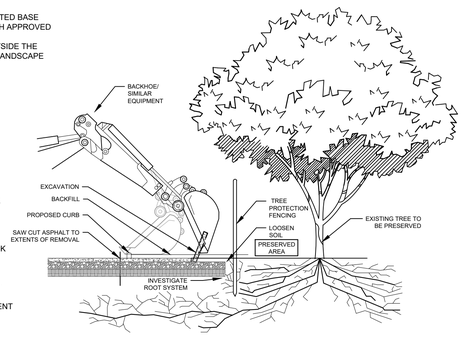
NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

1 TREE PROTECTION FENCING

NTS JAX-FG-12

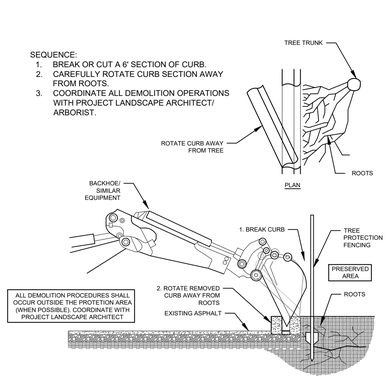
NOTES:
CONTRACTOR TO REMOVE ASPHALT AND ASSOCIATED BASE MATERIAL TO EXISTING SOIL DEPTH. BACKFILL WITH APPROVED SOIL MIXTURE.
ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST PRIOR TO DEMOLITION.

SEQUENCE:
1. INSTALL PROTECTION FENCE.
2. SAW-CUT A LINEAR SECTION OF ASPHALT.
3. CAREFULLY EXCAVATE PAVING TO SUB-GRADE BY PEELING BACK ASPHALT.
4. INVESTIGATE TO DETERMINE EXTENT OF ROOT SYSTEM.
a. NO ROOT GROWTH- EXCAVATE FROM BACK OF CURB TO EXTENT OF PROPERTY IMPROVEMENTS.
b. ROOT GROWTH- ROOT PRUNE PER PLAN.
c. INSTALL A 20 MIL ROOT BARRIER AT ROOT PRUNE LINE. LOOSEN SOIL WITH HAND TOOLS OR AIR-SPADE THROUGHOUT EXTENT OF EXPANDED PLANTING AREA.



PAVEMENT DEMOLITION PROCEDURE

SEQUENCE:
1. BREAK OR CUT A 6' SECTION OF CURB.
2. CAREFULLY ROTATE CURB SECTION AWAY FROM ROOTS.
3. COORDINATE ALL DEMOLITION OPERATIONS WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST.



CURB DEMOLITION PROCEDURE

2 / C3.50 PAVEMENT DEMOLITION PROCEDURE

NTS JAX-FE-FBH-16

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

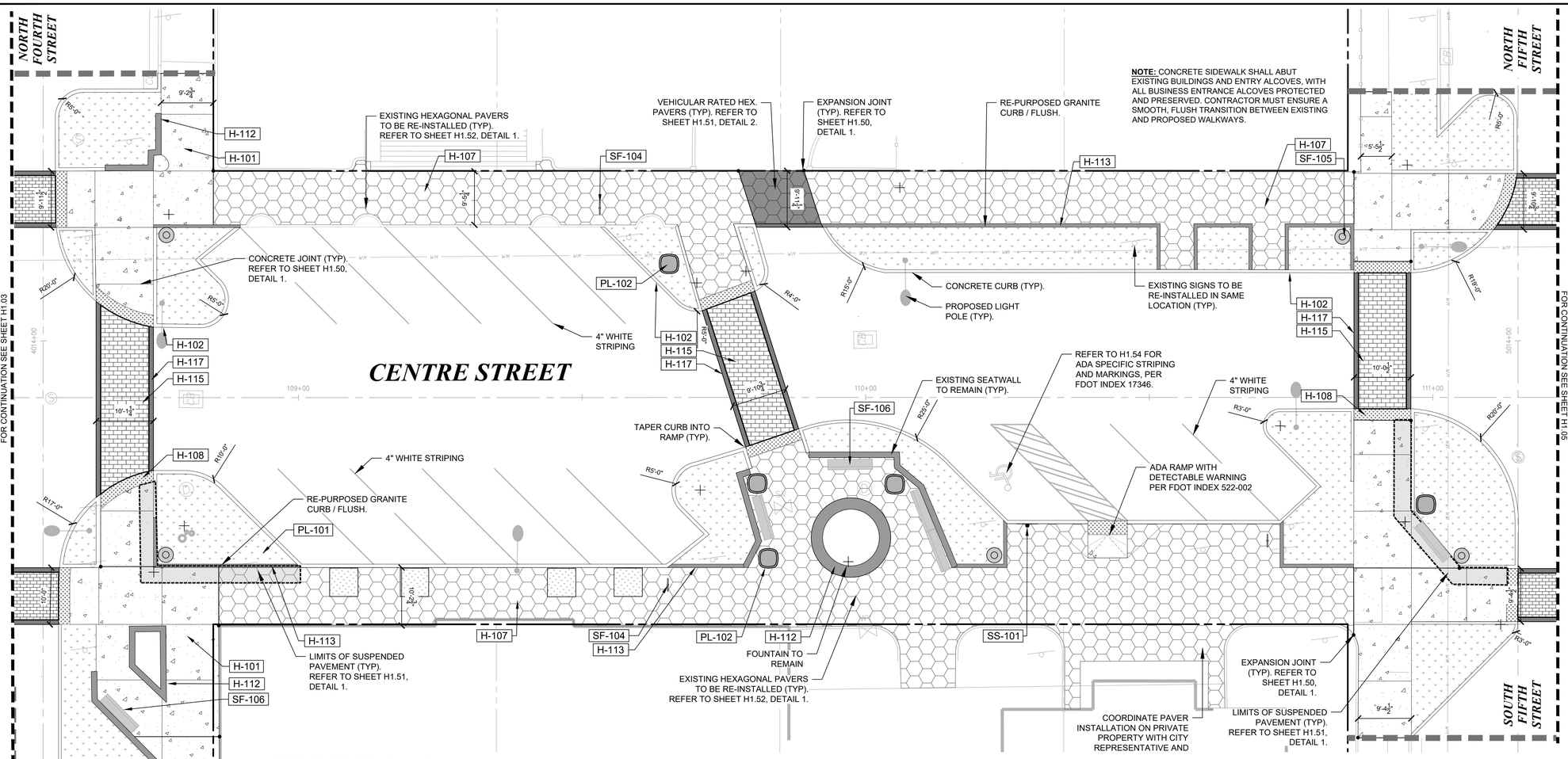
FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005	DESIGNED BY: KHA
DATE 01/08/2025	DRAWN BY: NL
SCALE: AS SHOWN	CHECKED BY: MAJ

TREE DISPOSITION NOTES & DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.50



HARDSCAPE SCHEDULE - H1.04

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,892 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,810 LF	3/H1.52
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	222 SF	1/H1.54
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	468 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	448 LF	4/H1.52
	H-115	BRICK CROSS WALK - PROPOSED	885 SF	
	H-117	CONCRETE BAND - CROSSWALKS	410 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	3,080 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	5	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - REINSTALLED & TO REMAIN IN PLACE	7	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

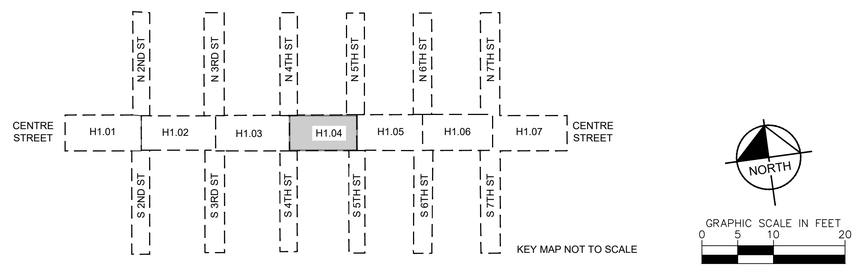
* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

NOTE:

CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.04 January 08, 2025 10:32:44am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL HARDSCAPE SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	33,041 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	10,222 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	534 LF	2/H1.53
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	1,448 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	2,129 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	1,329 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	490 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	8,919 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	5,149 SF	
	H-117	CONCRETE BAND - CROSSWALKS	2,702 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	21,284 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	17	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	26	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	36	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	46	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	8	

HARDSCAPE SCHEDULE - H1.01

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,825 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,127 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	49 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	219 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	243 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	228 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	891 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	580 SF	
	H-117	CONCRETE BAND - CROSSWALKS	365 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,474 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	2	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	5	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.02

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	7,242 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,940 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	194 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	273 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	160 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	194 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,698 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	989 SF	
	H-117	CONCRETE BAND - CROSSWALKS	390 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,161 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	17	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	4	

HARDSCAPE SCHEDULE - H1.03

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,451 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,520 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	141 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	218 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	310 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	141 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,150 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	759 SF	
	H-117	CONCRETE BAND - CROSSWALKS	493 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,929 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	11	4/H1.53

HARDSCAPE SCHEDULE - H1.04

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,892 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,810 LF	3/H1.52
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	222 SF	1/H1.54
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	468 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	448 LF	4/H1.52
	H-115	BRICK CROSS WALK - PROPOSED	885 SF	
	H-117	CONCRETE BAND - CROSSWALKS	410 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	3,080 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	5	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - REINSTALLED & TO REMAIN IN PLACE	7	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.05

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	4,237 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,607 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	66 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	204 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	209 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	99 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,938 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	1,012 SF	
	H-117	CONCRETE BAND - CROSSWALKS	450 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,374 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	6	4/H1.53

HARDSCAPE SCHEDULE - H1.06

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,609 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,138 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	190 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	646 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,623 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	732 SF	
	H-117	CONCRETE BAND - CROSSWALKS	467 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,595 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.07

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,785 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	954 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	121 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	309 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	74 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	619 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	192 SF	
	H-117	CONCRETE BAND - CROSSWALKS	127 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,321 SF	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	2	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

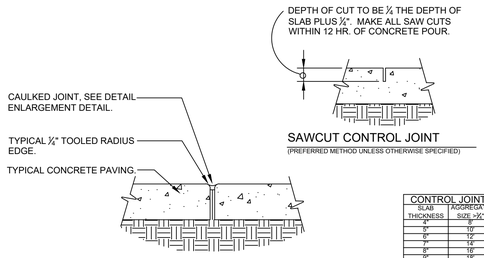
HARDSCAPE PLAN SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.08 January 08, 2025 10:33:47am K:\JAX_LAP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

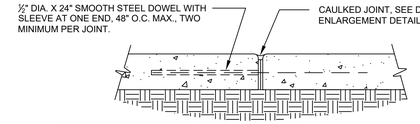


CAULKED EXPANSION JOINT

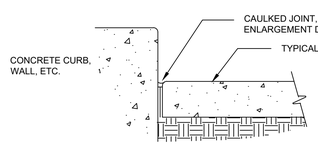
SAWCUT CONTROL JOINT

(PREFERRED METHOD UNLESS OTHERWISE SPECIFIED)

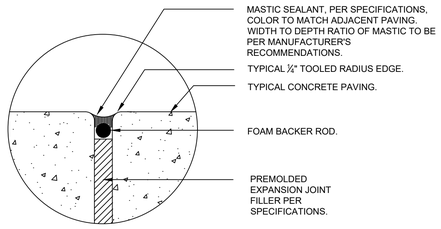
CONTROL JOINT SPACING		
SLAB THICKNESS	AGGREGATE SIZE >¾"	AGGREGATE SIZE <¾"
4"	8'	10'
5"	10'	13'
6"	12'	15'
7"	14'	18'
8"	16'	20'
9"	18'	23'
10"	20'	25'



DOWELED EXPANSION JOINT



CONCRETE PAVING AT VERTICLE PLANE

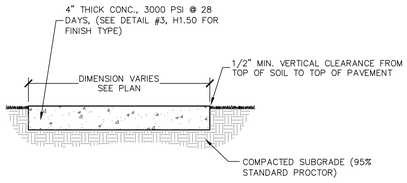


ENLARGED TYPICAL CAULKED JOINT

1 TYPICAL CONCRETE JOINT DETAILS

NTS: SCALE

JAX-FE-14



CEMENT: ASTM C150/C150M, TYPE I - NORMAL PORTLAND TYPE, AQUIRE CEMENT FOR ENTIRE PROJECT FROM SAME SOURCE.

SAND: LOCALLY AVAILABLE SAND

AGGREGATE: COQUINA MAX. ¾", AQCUIRE AGGREGATE FOR ENTIRE PROJECT FROM SAME SOURCE.

CURING COMPOUND: INTENT IS FOR TEXTURE TO MATCH CONCRETE SIDEWALK AT WATERFRONT PARK. ADD MIXTURES:

- HIGH RANGE WATER REDUCING AND RETARING ADMIXTURE: ASTM C494.C494M TYPE G.
- HIGH RANGE WATER REDUCING ADMIXTURE: ASTM C494/C494M TYPE F.
- DO NOT USE CHEMICAL THAT WILL RESULT IN SOLUBLE CHLORIDE IONS IN EXCESS OF 0.1 PERCENT BY WEIGHT OF CEMENT.

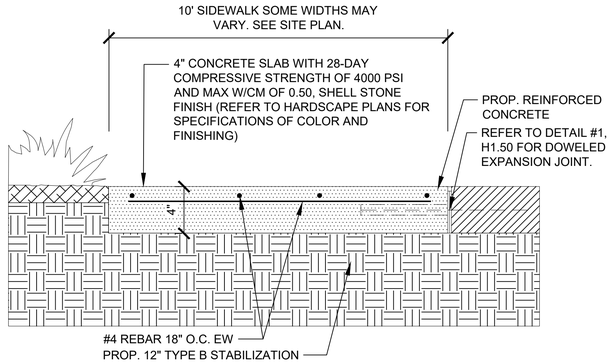
1. A PRE JOB CONFERENCE IS RECOMMENDED BETWEEN OWNER, ENGINEER, LANDSCAPE ARCHITECT, READY-MIX REPRESENTATIVE, AND INSTALLER TO DISCUSS PROJECT APPLICATION AND REVIEW SUBMITTALS.
2. ALL CONCRETE MUST BE BATCHED FROM THE SAME LOCATION.
3. A 10'X10' MOCKUP MUST BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE, SHOWING SHELL STONE (OR ALTERNATIVE) FINISH TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. MOCKUP LOCATION TO BE OFF-SITE AT A LOCATION MUTUALLY AGREED-UPON BY THE CONTRACTOR AND OWNER.
4. PRECAUTIONS MUST BE TAKEN IN HOT WEATHER TO PREVENT PLASTIC CRACKING RESULTING FROM EXCESSIVELY RAPID DRYING AT SURFACE AS DESCRIBED IN CIP 5"PLASTIC SHRINKAGE CRACKING" PUBLISHED BY THE NATIONAL READY MIXED CONCRETE ASSOCIATION.

FINISH:
A. SHELL STONE FINISH

2 CONCRETE SIDEWALK FINISHES

NTS

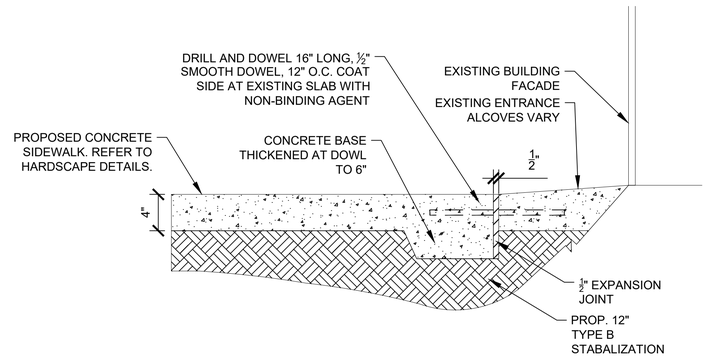
JAX-FE-FBH-15



3 DECORATIVE CONCRETE TREATMENT

6" = 1'-0"

JAX-FE-FBH-34



PRODUCT: SCOFIELD INTEGRAL COLOR SG
MANUFACTURER: SIKA

237 SAND BUFF
237 CORONADO BUFF
447 PRAIRIE BEIGE
447 SCHOONER BEIGE
FINISH: SHELL STONE
SEE HARDSCAPE PLANS FOR SPECIFIC PLACEMENT

CONTRACTOR TO COORDINATE WITH THE PROJECT LANDSCAPE ARCHITECT AND CITY OF FERNANDINA BEACH REPRESENTATIVE FOR FINAL COLOR SELECTION. PROVIDE 6'X6' MOCKUP FOR EACH COLOR OPTION WITH SHELLSTONE TEXTURED FINISH.

4 CENTRE STREET SIDEWALK INTEGRAL COLOR OPTIONS

1" = 10'

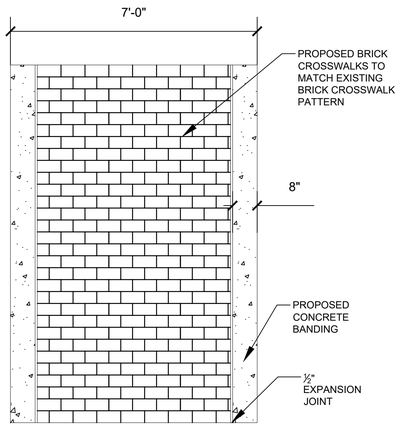
JAX-FE-FBH-41

CONCRETE BAND - STRUCTURAL EDGE:

1. STRENGTH: MINIMUM 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. MIX DESIGN: CONCRETE MIX
3. COLOR: AS SPECIFIED IN DETAIL #4, H1.50
4. EXPANSION JOINT MATERIAL: PRE-MOLDED EXPANSION JOINT FILLER, ½" THICK SUITABLE FOR OUTDOOR USE
5. BONDING AGENT: CONCRETE BONDING ADHESIVE FOR BONDING NEW CONCRETE TO ADJACENT SURFACES AS NECESSARY.
6. CONCRETE BANDING SHALL BE POURED INTO THE FRAMEWORK, ON BOTH SIDES OF PEDESTRIAN BRICK CROSSWALK.

NOTE:

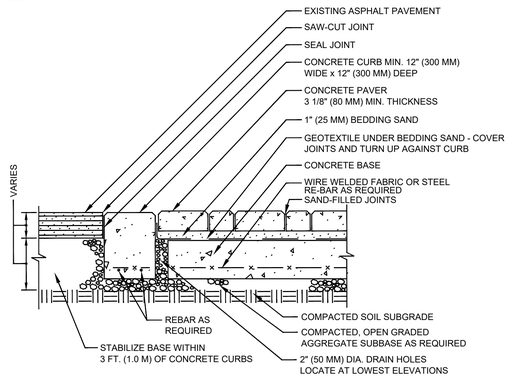
1. EXISTING BRICK CROSSWALKS TO MAINTAIN ITS ORIGINAL PATTERN
2. EXCESS BRICKS REMOVED FOR CONCRETE BANDING SHALL BE RE-PURPOSED FOR PROPOSED BRICK CROSSWALKS.



5 REINFORCED CONCRETE SIDEWALK

1 1/2" = 1'-0"

JAX-FE-FBH-37



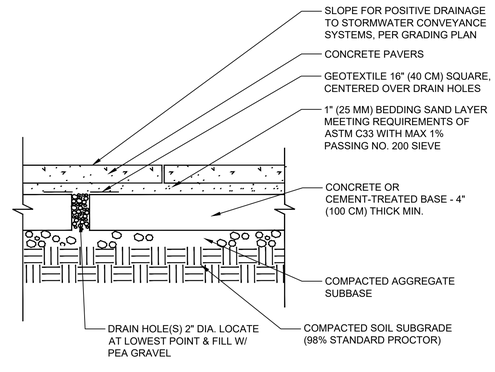
NOTE:

1. BASE THICKNESS AND REINFORCING VARIES WITH TRAFFIC, CLIMATE AND SUBGRADE CONDITIONS.
2. CONCRETE BASE MINIMUM 2% SLOPE FROM CENTERLINE TO CURB.
3. DO NOT PROVIDE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2 FT. (0.6 M) FROM TOP OF SOIL SUBGRADE. PROVIDE DRAIN HOLES TO CATCH BASINS.

6 CONCRETE SIDEWALK ADJACENT TO EXISTING BUILDING ENTRANCE

1 1/2" = 1'-0"

JAX-FE-FBH-40



NOTES:

1. AGGREGATE SUBBASE AND SUBGRADE SOIL MAY REQUIRE DRAINS. DRAINAGE MAY BE ACHIEVED BY EITHER CONTINUOUS 2" WIDE SLOT OR 2" DIA. VOIDS AT 10" O.C./ FILLED WITH PEA GRAVEL AND COVERED WITH GEOTEXTILE.
2. COVER ENTIRE SURFACE OF CEMENT-TREATED BASE WITH GEOTEXTILE TO PREVENT LOSS OF BEDDING SAND IN SHRINKAGE CRACKS.

CONCRETE PAVERS:

STYLE 'A' - 4'X8' BELGARD HOLLAND ANTIQUE RED ADA PAVERS WITH TRUNCATED DOME. PAVERS TO BE LAID IN A RUNNING BOND PATTERN TO MATCH CROSSWALKS.

STYLE 'B' - 18" HEXAGONAL PAVERS SELECTED TO MATCH EXISTING HEXAGONAL PAVERS AS CLOSELY AS POSSIBLE. REFER TO SHEET H1.52, DETAIL 1 FOR PAVER LAYOUT.

NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS AND COLOR SAMPLES FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO CONSTRUCTION AS WELL AS SIEVE ANALYSIS FOR JOINT AND BEDDING SAND.

ALL JOINTS SAND-SWEPT USING POLYMERIC SAND COMPOUND AND WATERED IN PER MANUFACTURER'S SPECIFICATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR SUBGRADE PERORATION PER MANUFACTURER'S SPECIFICATIONS - INSTALL PER ICPI AND MANUFACTURER'S SPECIFICATIONS.

PRIMARY USE IS: CIVILIAN FOOT TRAFFIC

7 CONCRETE BANDING - CROSSWALK

1/2" = 1'-0"

JAX-FE-FBH-44

8 CROSSWALK ON CONCRETE BASE WITH SAND SETTING BED

NTS

DETAIL-FILE

9 CONCRETE PAVERS ON A CONCRETE BASE

NTS

JAX-FE-02

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FL 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.50

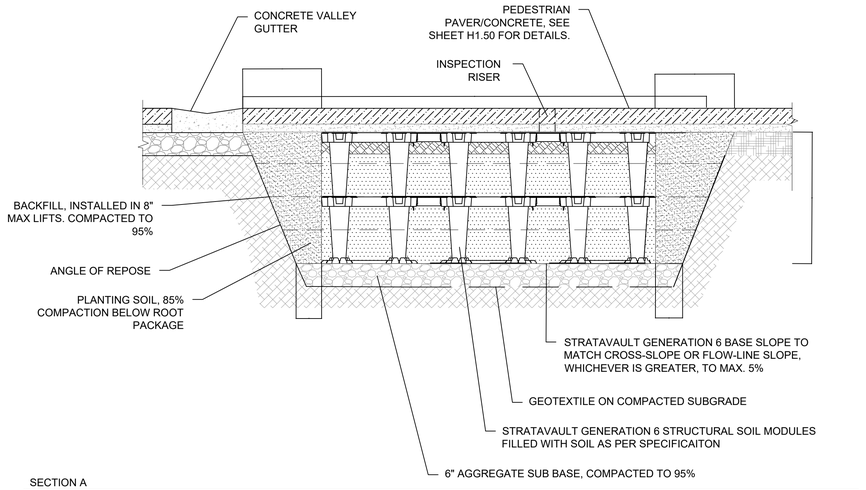
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.50 January 08, 2025 10:33:55am K:\JAX_LA\LP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

CITY GREEN

1. MANUFACTURER:
CITYGREEN
888-999-3990

2. MODEL:
STRATAVAULT

3. PRODUCT TO BE DESIGNED BY MANUFACTURER. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

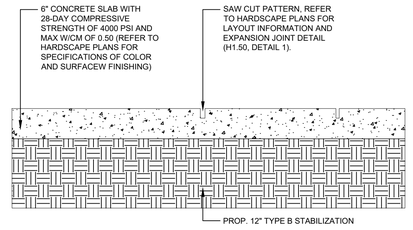


SECTION A
NOT TO SCALE

1 SUSPENDED PAVEMENT

NTS

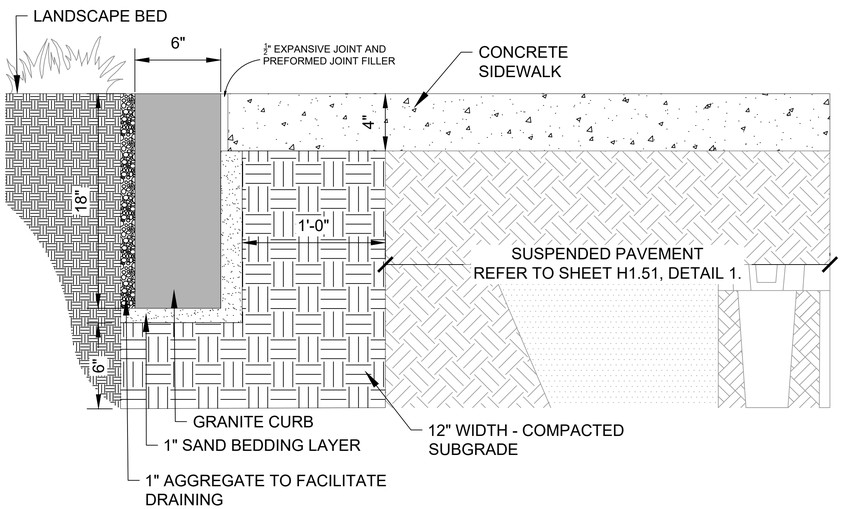
JAX-FE-FBH-48



2 VEHICULAR CONCRETE SECTION

1 1/2" = 1'-0"

JAX-FE-FBH-47



GRANITE CURB INTERFACING SUSPENDED PAVEMENT

- SUBRADE AND BEDDING MATERIAL AROUND SUSPENDED PAVEMENT IS TO BE COMPACTED BUT NOT OVER COMPACTED TO AVOID SOIL COMPACTION WITHIN THE CELLS.
- GRANITE CURB ABUTTING SUSPENDED PAVEMENT SHOULD BE FLUSHED AND DESIGNED TO ACCOUNT FOR OVERFLOWS AND DIRECT WATER TOWARDS DESIRED CATCHMENTS ZONES WITHOUT UNDERMINING SILVA CELLS/ SUSPENDED PAVEMENT.
- WHERE GRANITE CURB MEETS SUSPENDED PAVEMENTS, ANY JOINTS OR TRANSITIONS MUST BE SEALED TO PREVENT SOIL OR DEBRIS INFILTRATIONS.
- INSTALL SUSPENDED PAVEMENT FIRST TO PROTECTED ITS STRUCTURAL INTEGRITY AND ENSURE PROPER SOIL FILLING.
- GRANITE CURB TO HAVE A COMPACTED SUBGRADE AT LEAST 6-12 INCHES WIDER THAN THE CURB BASE ON BOTH SIDES TO PREVENT SETTLING.
- COMPACTED SUBGRADE DEPTH OF 6-8 INCHES.
- A GRANULAR BASE TO BE SELECTED FOR THE STRUCTURAL STABILITY OF THE GRANITE CURB.
- BEDDING LAYER TO BE A 1 INCH THICK LEVELING COURSE OF SAND OVER COMPACTED SUBGRADE FOR PRECISE PLACEMENT.
- COMPACT THE SUBGRADE AND GRANULAR BASE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY (ASTM D698)

3 GRANITE FLUSH CURB INTERFACING SUSPENDED PAVEMENT

2" = 1'-0"

JAX-FE-FBH-49

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

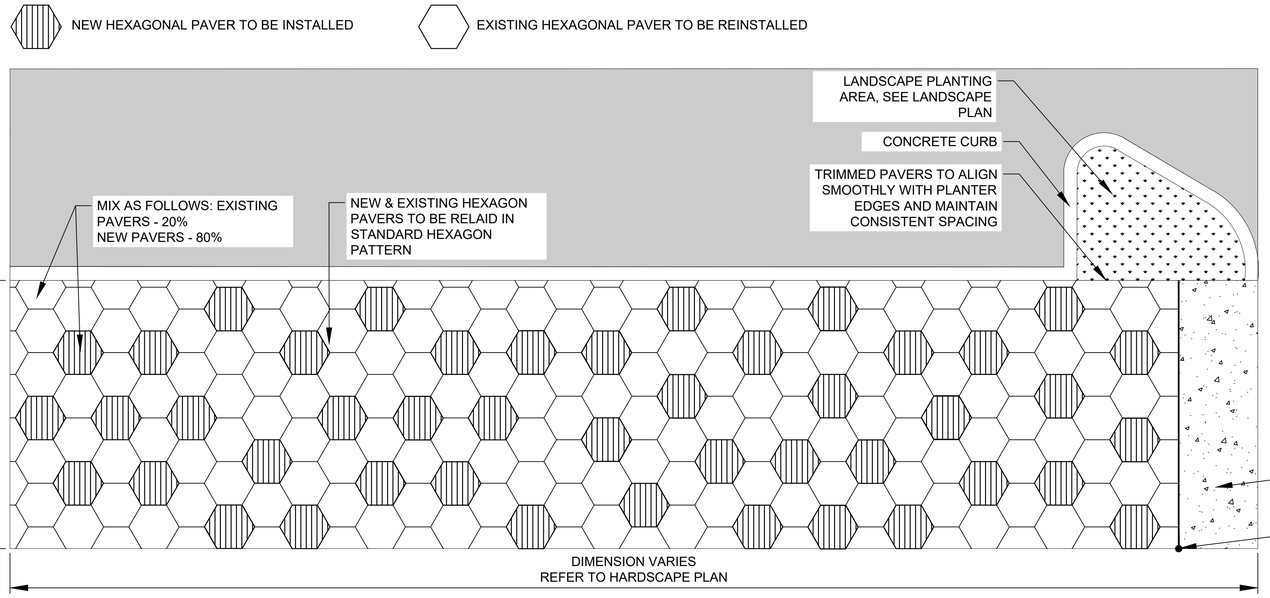
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.51 January 08, 2025 10:34:00am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\color sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTE:

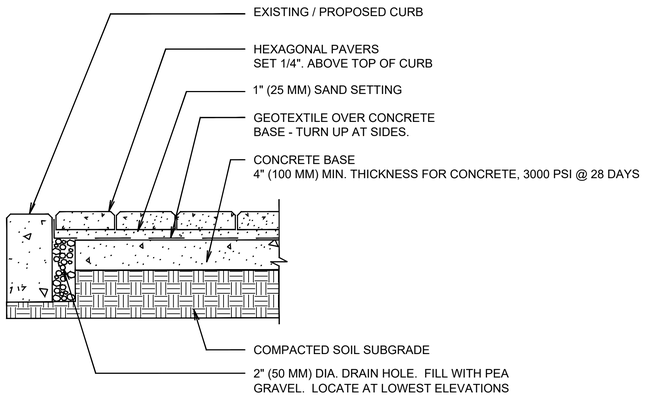
1. FLAT AND SMOOTH INSTALLATION (ADA COMPLIANCE):
- ENSURE ALL PAVERS ARE LAID FLAT AND LEVEL TO CREATE A SMOOTH, CONTINUOUS SURFACE.
- MINIMIZE VERTICAL DISPLACEMENT BETWEEN ADJACENT PAVERS TO NO MORE THAN 1/4 INCH AS PER ADA REQUIREMENTS.
- VERIFY THAT JOINT WIDTHS AND SAND-FILLED JOINTS DO NOT CREATE UNEVEN SURFACES OR TRIPPING HAZARDS.
- CONDUCT PERIODIC SURFACE CHECKS DURING INSTALLATION USING A STRAIGHTEDGE OR LEVEL TO CONFIRM COMPLIANCE WITH ADA SLOPE AND FLATNESS STANDARDS.
- ADDRESS ANY IRREGULARITIES IMMEDIATELY TO MAINTAIN A SAFE, ACCESSIBLE, AND COMPLIANT WALKING SURFACE.
- THIS NOTE EMPHASIZES PRECISION TO MEET ADA STANDARDS WHILE GUIDING THE INSTALLATION TEAM.
- CONTRACTOR TO MIX EXISTING AND NEW PAVERS RANDOMLY AS SHOWN

HEXAGONAL PAVER QUANTITY TO BE REMOVED & RE-USED
EXISTING HEXAGONAL PAVERS (OLD): 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE REMOVED: 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE RE-USED: 1,705 SF
HEXAGONAL PAVERS (NEW PAVERS): 2,342 SF
4" CONCRETE BASE FOR HEXAGONAL PAVERS: 4,047 SF

1 HEX PAVER PATTERN ENLARGEMENT

3/8" = 1'-0"

JAX-FE-FBH-26

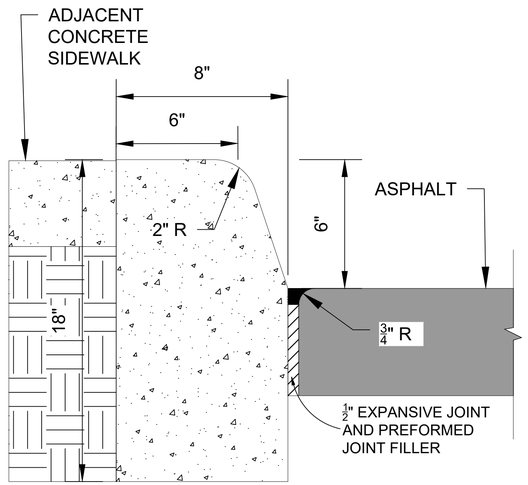


NOTES:
1. THICKNESS REQUIREMENTS WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE. COLDER CLIMATES MAY REQUIRE THICKER BASES.
2. CONSULT ICPI TECH SPEC 2 FOR GUIDELINES ON SPECIFICATIONS FOR BASE MATERIALS, SUBGRADE SOIL AND BASE COMPACTION.

2 HEXAGONAL PAVER ON SIDEWALK

1/16" = 1'-0"

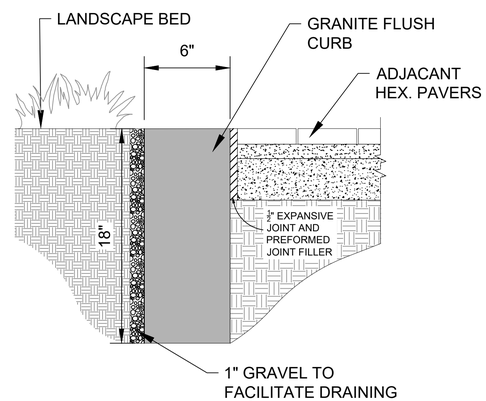
JAX-FE-FBH-35



3 CONCRETE CURB - TYPE 'D'

3" = 1'-0"

JAX-FE-FBH-39



4 GRANITE FLUSH CURB - RELOCATED & REINSTALLED

2" = 1'-0"

JAX-FE-FBH-42

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

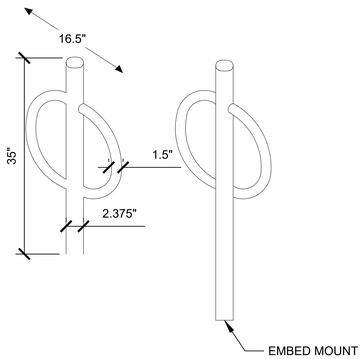
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

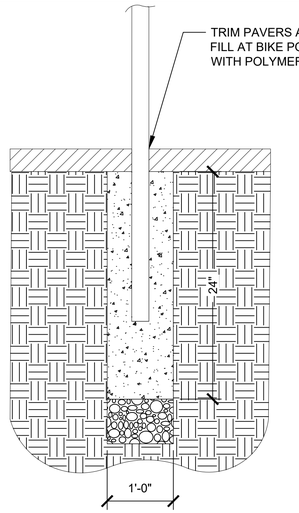
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.52 January 08, 2025 10:34:05am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





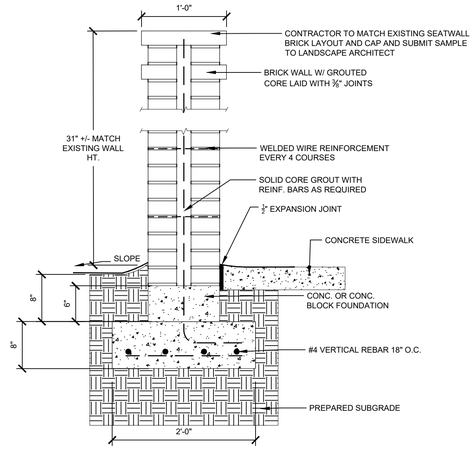
BIKE RACK - CITY OF FERNANDINA BEACH

1. MANUFACTURER: BELSON OUTDOORS
2. MODEL: PAR-2-IG-P GC-238 , STANDARD BOLLARD BIKE RACK WITH OPTIONAL GROUT COVER
3. FINISH: BLACK POWDER-COAT
4. INSTALL OWNER FURNISHED BIKE RACK PER MANUFACTURER'S SPECIFICATIONS, IN GROUND MOUNT
5. BIKE RACKS (NEW) QUANTITY: 20 BIKE RACKS.
6. RE-INSTALL BIKE RACKS EXISTING QUANTITY: 4 BIKE RACKS.

1 BIKE RACK

NTS

JAX-FE-36



2 BRICK SEAT WALL - RELOCATED & REINSTALLED

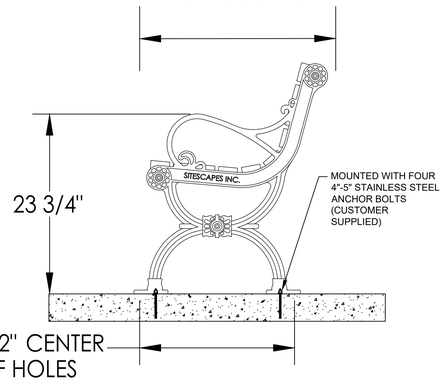
1" = 1"

JAX-FE-FBH-20

SITESCAPES SPECIFICATION: ARLINGTON DECORATIVE CAST END SEATING

(1.1) DESCRIPTION:
SECTIONS INCLUDES INFORMATION, MATERIALS, AND OPTIONS FOR PRODUCTS MANUFACTURES BY STIESCAPES, INC. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS

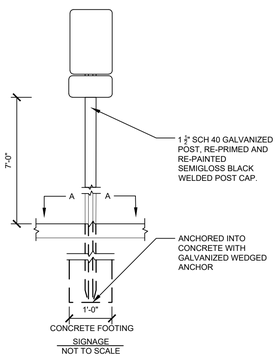
(3.2) INSTALLATION:
BENCHES MAY BE SURFACE MOUNTED USING THE HOLES THAT ARE PREDRILLED IN EACH OF THE FOOTPLATES. BENCHES ARE TO BE MOUNTED WITH FOUR Ø1/2" X 4-5" STAINLESS STEEL ANCHOR BOLTS, WHICH ARE CUSTOMER SUPPLIED. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL PRODUCT IS IN PLACE. THIS SITESCAPES, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.



3 EXISTING BENCH INSTALLATION

1/4" = 1'-0"

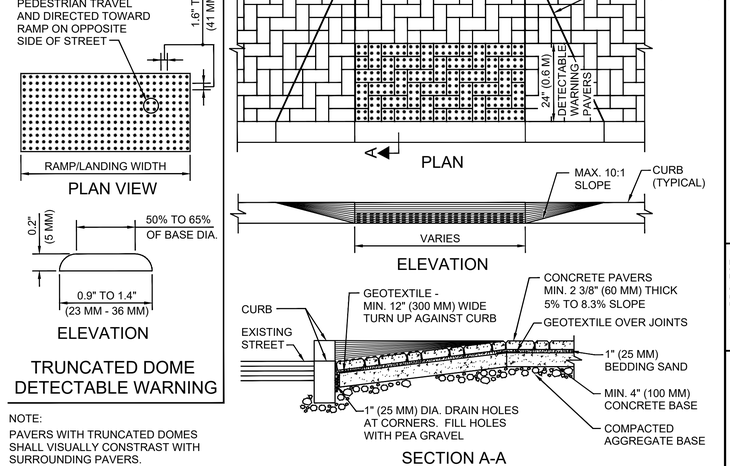
JAX-FE-38



5 SIGN REINSTALLATION

1" = 1'-0"

JAX-FE-24



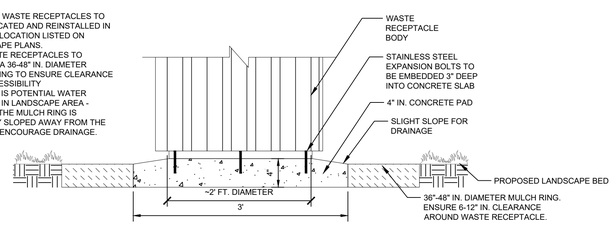
6 CONCRETE CURB RAMP - DETECTABLE WARNING PAVERS

1 1/2" = 1'-0"

JAX-FE-FBH-46

NOTES:

1. EXISTING WASTE RECEPTACLES TO BE RELOCATED AND REINSTALLED IN CHOSEN LOCATION LISTED ON HARDSCAPE PLANS.
2. ALL WASTE RECEPTACLES TO INCLUDE A 36-48" IN. DIAMETER MULCH RING TO ENSURE CLEARANCE FOR ACCESSIBILITY
3. IF THERE IS POTENTIAL WATER POOLING IN LANDSCAPE AREA - ENSURE THE MULCH RING IS SLIGHTLY SLOPED AWAY FROM THE BASE TO ENCOURAGE DRAINAGE.



4 WASTE RECEPTACLE REINSTALLATION

1" = 1'-0"

JAX-FE-FBH-23

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

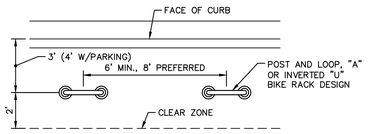
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

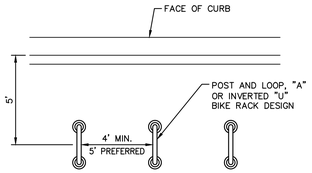
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.53

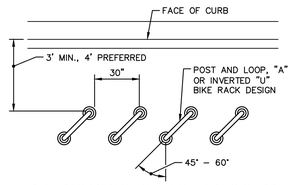
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.53 January 08, 2025 10:34:10am K:\JAX_LALP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



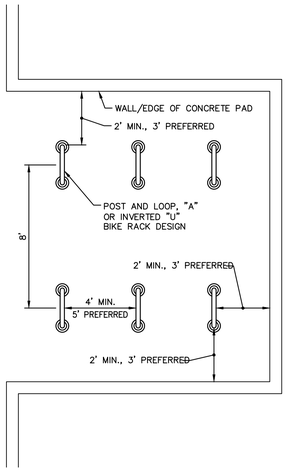
BIKE RACK SPACING - PARALLEL TO CURB



BIKE RACK SPACING - PERPENDICULAR TO CURB



BIKE RACK SPACING - ANGULAR TO CURB

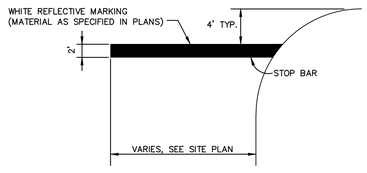


BIKE RACK SPACING - ADJACENT TO WALL

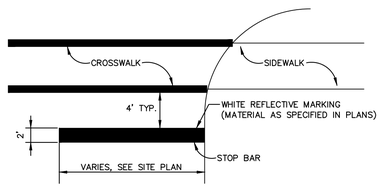
1 BIKE RACK SPACING

NTS

JAX-FE-FBH-50



WITHOUT CROSSWALK

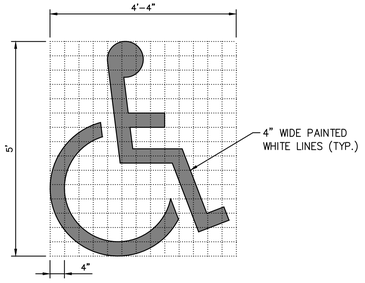


WITH CROSSWALK

3 STOP BAR

NTS

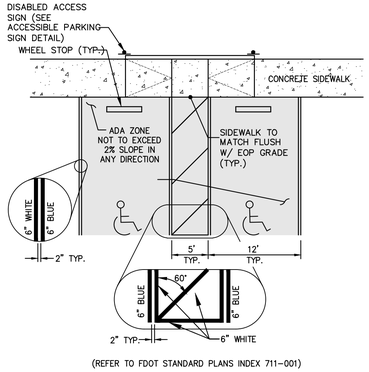
DETAIL-FILE



5 HANDICAPPED PARKING SYMBOL

NTS

DETAIL-FILE



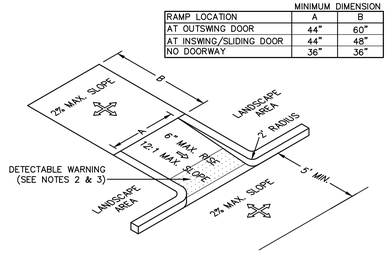
(REFER TO FDOT STANDARD PLANS INDEX 711-001)

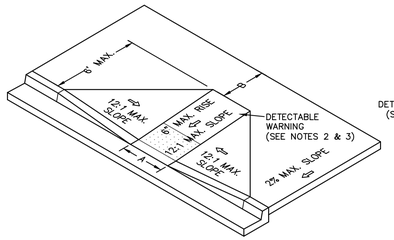
6 ADA PARKING

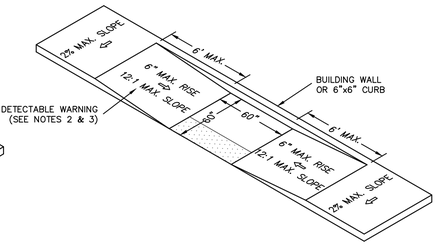
NTS

DETAIL-FILE

RAMP LOCATION	MINIMUM DIMENSION A	MINIMUM DIMENSION B
AT OUTSWING DOOR	44"	60"
AT INSWING/SLIDING DOOR	44"	48"
NO DOORWAY	36"	36"







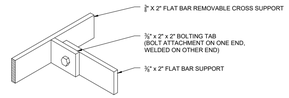
NOTES:

1. ALL CURB CUT ACCESSIBLE RAMPS AND DETECTABLE WARNING SURFACES SHALL BE INSTALLED BY THE SITE CONTRACTOR.
2. CURB RAMPS SUBJECT TO DEPARTMENT OF TRANSPORTATION REGULATION 49 CFR 37.21 SHALL HAVE A DETECTABLE WARNING COMPLYING WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND A MINIMUM OF 24" DEEP (MEASURED FROM THE BACK OF CURB ON THE RAMP SURFACE).
3. ALL DETECTABLE WARNING SURFACES FOR SIDEWALKS AT CURB CUT HANDICAP RAMP SHALL BE A COUNTY APPROVED YELLOW COLORED COMPOSITE MATERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA INSERTS ARE TO BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL CONFORM TO FDOT STANDARD PLANS INDEX 522-002, CODE OF FEDERAL REGULATIONS PART 36, AND CITY OF JACKSONVILLE STANDARDS.

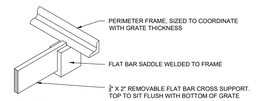
2 ACCESSIBLE RAMP

NTS

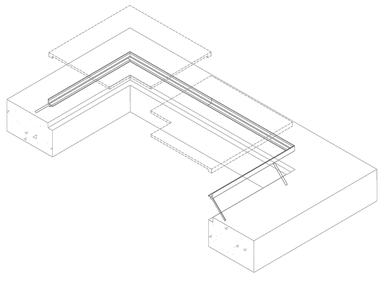
DETAIL-FILE



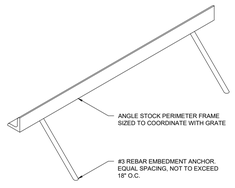
Type S - Isometric
SCALE: NTS



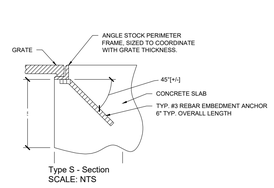
Type S - Isometric
SCALE: NTS



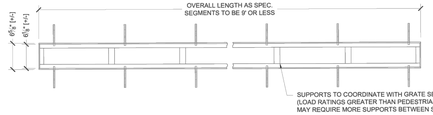
Type S - Exploded Assembly
SCALE: NTS



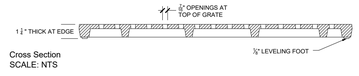
Type S - Isometric
SCALE: NTS



Type S - Section
SCALE: NTS



Example 6" Trench Frame - Plan
SCALE: NTS



Cross Section
SCALE: NTS

TRENCH GRATE:

MATERIAL: 18" X 24" TITLE WAVE TRENCH GRATE BY URBAN ACCESSORIES.

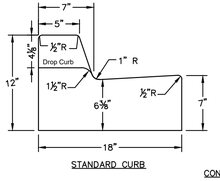
SPECS - TYPE S

TYPE S FRAMES ARE FOR PERMANENT INSTALLS INTO NEW CONCRETE W/O PAVERS. REBAR ANCHORING IS NOT PRE-BENT, BENDING TO BE DONE BY CONTRACTOR PRIOR TO INSTALLATION INTO CONCRETE.

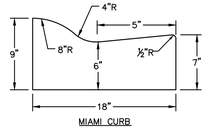
4 TRENCH GRATE

NTS

DETAIL-FILE



STANDARD CURB



MIAMI CURB

CONCRETE QUANTITIES:

CITY STANDARD CURB .0368889 CU. YD./LIN. FT.
MIAMI CURB .0325926 CU. YD./LIN. FT.

7 TRADITIONAL CURBING

NTS

DETAIL-FILE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

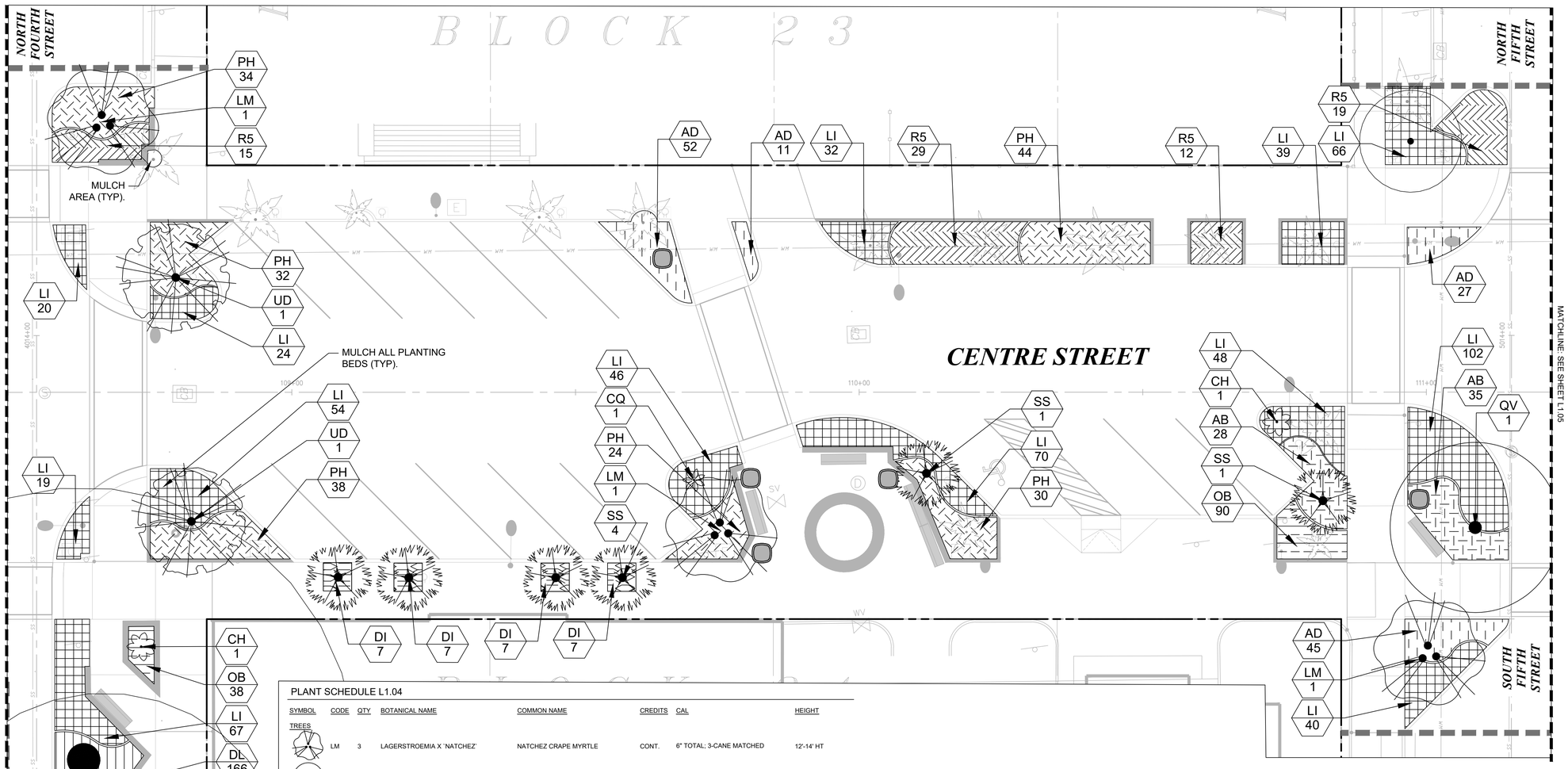
PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER H1.54

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.54 January 08, 2025 10:34:54am K:\JAX_LAL\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.04 January 08, 2025 10:36:05am K:\JAX_LAUP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PLANT SCHEDULE L1.04

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	3	LAGERSTROEMIA X 'NATCHEZ'	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	6	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	2	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

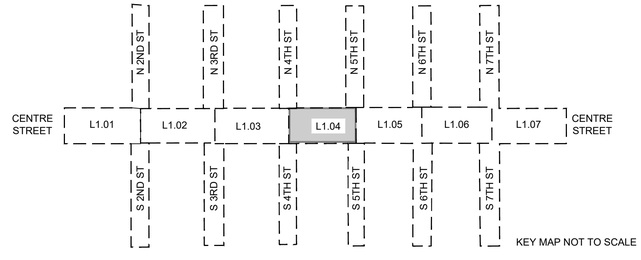
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPAC
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c
	CQ	1	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c
GROUND COVERS								
	AB	63	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c
	AD	135	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c
	DI	28	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c
	DL	166	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c
	LI	679	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c
	OB	128	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c
	PH	202	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c
	R5	75	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c

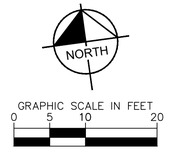
TREE LEGEND

EXISTING TREE TO REMAIN

EXISTING PALM TO REMAIN

OFF-SITE TREE TO REMAIN





No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: ZRF	CHECKED BY: MAJ

PLANTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.04

OVERALL PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	2	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	EO	12	EXISTING LIVE OAK	EXISTING LIVE OAK	CONT.		
	EC	15	EXISTING UNDERSTORY	EXISTING UNDERSTORY	CONT.		
	LM	28	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	XE	17	OFF-SITE TREE	OFF-SITE TREE	CONT.		
	QV	27	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	178	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	10	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	17	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		
	CQ	12	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			
	RE	6	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		
	ZF	18	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		
GROUND COVERS								
	AB	871	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL		24" O.C.
	AD	1,115	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL		24" O.C.
	AE	448	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL		24" O.C.
	DI	387	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL		24" O.C.
	DL	1,201	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL		24" O.C.
	LI	2,885	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL		18" O.C.
	OB	2,714	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"		12" O.C.
	PH	452	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN		24" O.C.
	R5	363	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL		30 O.C.

PLANT SCHEDULE L1.01

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	4	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	3	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	272	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	75	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	114	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	LI	300	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	115	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	56	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.02

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	8	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	4	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	6	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	97	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	267	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	58	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	42	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	234	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	24" o.c.
	LI	629	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	683	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	67	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	84	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.03

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	15	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	3	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	2	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	228	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	206	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	39	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	65	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	192	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	390	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	359	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	75	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	43	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.04

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	3	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	6	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	2	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	1	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	63	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	135	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	DI	28	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	166	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	679	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	128	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	202	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	75	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.05

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	9	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	7	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	101	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	242	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	109	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	349	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	399	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	958	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	35	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	50	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.06

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	2	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	4	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	ZF	3	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	122	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	41	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	35	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	223	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	209	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	320	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	44	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.07

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			48" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	68	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	87	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	105	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	37	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	279	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	151	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	73	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	11	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.08 January 08, 2025 10:36:49am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING SCHEDULE

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.08

TYPICAL PLANTING NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: OBTAINING ALL APPLICABLE PERMITS, FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS SPECIFIED HEREIN.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM CONTRACTOR NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

3. THE CONTRACTOR SHALL SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF THE DEPARTMENT OF TRANSPORTATION (DOT) DESIGN STANDARDS IF A DIRECT APPLICATION OF THE STANDARD IS PROPOSED. THE CONTRACTOR SHALL SUBMIT IN WRITING A STATEMENT INDICATING THE STANDARD INDEX AND PAGE NUMBER NO LESS THAN 10 BUSINESS DAYS PRIOR TO START OF CONSTRUCTION. WHEN A DIRECT APPLICATION OF DOT STANDARD IS NOT ACCEPTABLE A PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A PROFESSIONAL ENGINEER WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC, AS DEFINED BY DOT FOR APPROVAL BY THE COUNTY ENGINEER'S REPRESENTATIVE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON INFORMATION FURNISHED BY THE OWNER OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

5. NOTIFY THE OWNER IMMEDIATELY IF ANY DAMAGES OCCUR TO EXISTING TREES.

6. CALL ONE CALL (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

C. PROTECTION OF EXISTING PLANT MATERIALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC... THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE.

2. SEE TREE MITIGATION PLAN AND NOTES.

D. MATERIALS

1. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY* (OR TAGGED IN NURSERY)
	*IN SOME INSTANCES AN IMAGE TAKEN OF THE PLANT WITH A MEASURING STICK WILL SUFFICE
ROOT BARRIER	NOS SM 2420 ROOT BARRIER (OR APPROVED EQUAL) INSTALL PER MANUFACTURERS' SPECIFICATIONS IN LOCATIONS SHOWN ON PLANS.

2. PLANT MATERIALS

a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE GRADE NO. 1 OR BETTER AS DETERMINED BY THE APPROPRIATE STATE DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.

b. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

c. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:

2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.

b. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.

c. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.

d. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL, MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.

e. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.

2. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

F. WATER

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

* WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

* FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

1. MULCH SHALL BE DOUBLE SHREDDED HARDWOOD MATERIAL
2. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF THREE (3) INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). SEE PLAN FOR MULCH SPECIFICATIONS.

3. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA WITH PINNED WEED BARRIER FABRIC IN EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT (6' MINIMUM) PLANTED UNDER THIS CONTRACT.

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED (B&B), AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROUTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS: ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.

4. RPG="ROOTS PLUS GROWER" CONTAINER PRODUCTS SHALL BE USED WHERE SPECIFIED.

K. MATERIALS LIST

1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION.

2. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

L. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

M. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.

3. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

4. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ONSITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

5. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

6. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

7. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES. ANY DAMAGES CAUSED BY CONTRACTOR WILL BE THE CONTRACTOR'S RESPONSIBILITY.

8. FOLLOW PLANTING SPECIFICATIONS IN PLANTING DETAILS

9. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC.., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

10. TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

11. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6". REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

12. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO ENSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK.

N. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

O. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING TREE GUY SUPPORTS NECESSARY) TO ENSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR OR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

P. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

Q. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

2. ALL TREES ARE REQUIRED TO HAVE 2-YEAR MAINTENANCE AGREEMENT COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

3. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.

4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

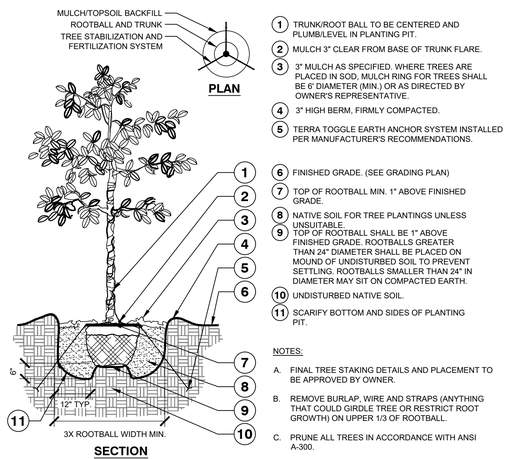
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

PLANTING NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.50 January 08, 2025 10:36:51am K:\JAX_LA\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTES:

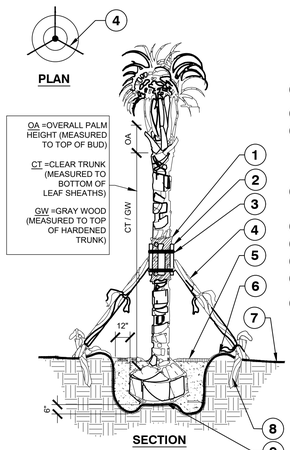
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

1 TREE PLANTING

L-PL-TYP-01



NOTES:

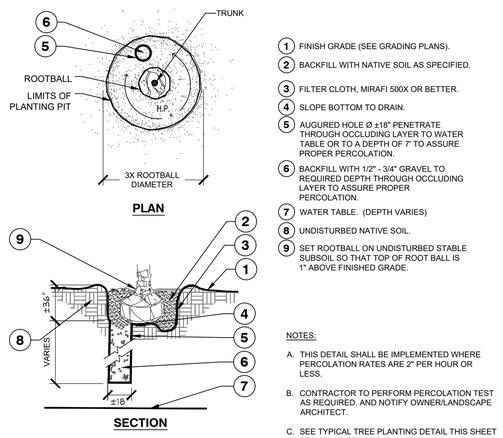
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. ALL TREE STAKING IS TO BE WITHIN MULCH BED AREA OUTSIDE TREE PIT.

C. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION - REFER TO POOR DRAINAGE CONDITION DETAIL.

2 PALM PLANTING AND STAKING

SECTION



NOTES:

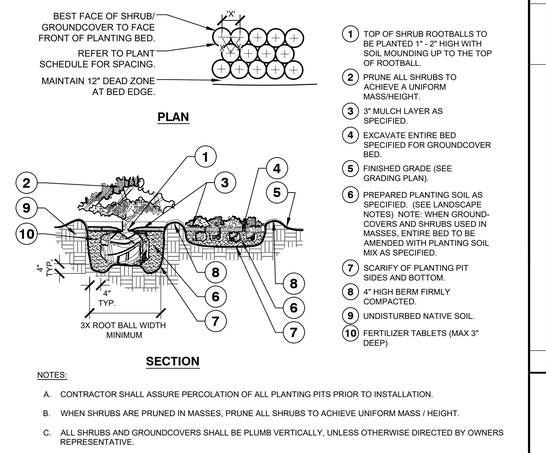
A. THIS DETAIL SHALL BE IMPLEMENTED WHERE PERCOLATION RATES ARE 2" PER HOUR OR LESS.

B. CONTRACTOR TO PERFORM PERCOLATION TEST AS REQUIRED, AND NOTIFY OWNER/LANDSCAPE ARCHITECT.

C. SEE TYPICAL TREE PLANTING DETAIL THIS SHEET FOR PLANT STAKING.

3 POOR DRAINAGE CONDITION

L-PL-TYP-09



NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

4 SHRUB/ GROUNDCOVER PLANTING

L-PL-TYP-03

Model List		
Model #	Height - ft (m)	Caliper - in (mm)
RF0P	Up to 8'	Up to 1.5"
RF0P 4 Leg	Up to 12"	
RF1P	8'-15' (2.5m - 4.5m)	1.5" - 3" (40mm - 75mm)
RF1P 4 Leg	12" - 24" Box	
RF2P	15'-25' (4.5m - 7.5m)	3" - 5.75" (75mm - 150mm)
RF2P 4 Leg	24" - 48" Box	
RF3P	25'-40' (7.5m - 12m)	5.75" - 9.5" (150mm - 230mm)
RF3P 4 Leg	48" - 60" Box	
RF4P	40'+ (12m+)	9.5"+ (230mm+)
RF4P 4 Leg	60" - 84"	
Please contact Platipus representative for boxes over 84"		

5 PLATIPUS TREE ANCHOR WITH DEADMAN FIXING SYSTEM

1" = 10'

JAX-FE-FBP-14

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.51 January 08, 2025 10:36:57am K:\JAX_LALD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

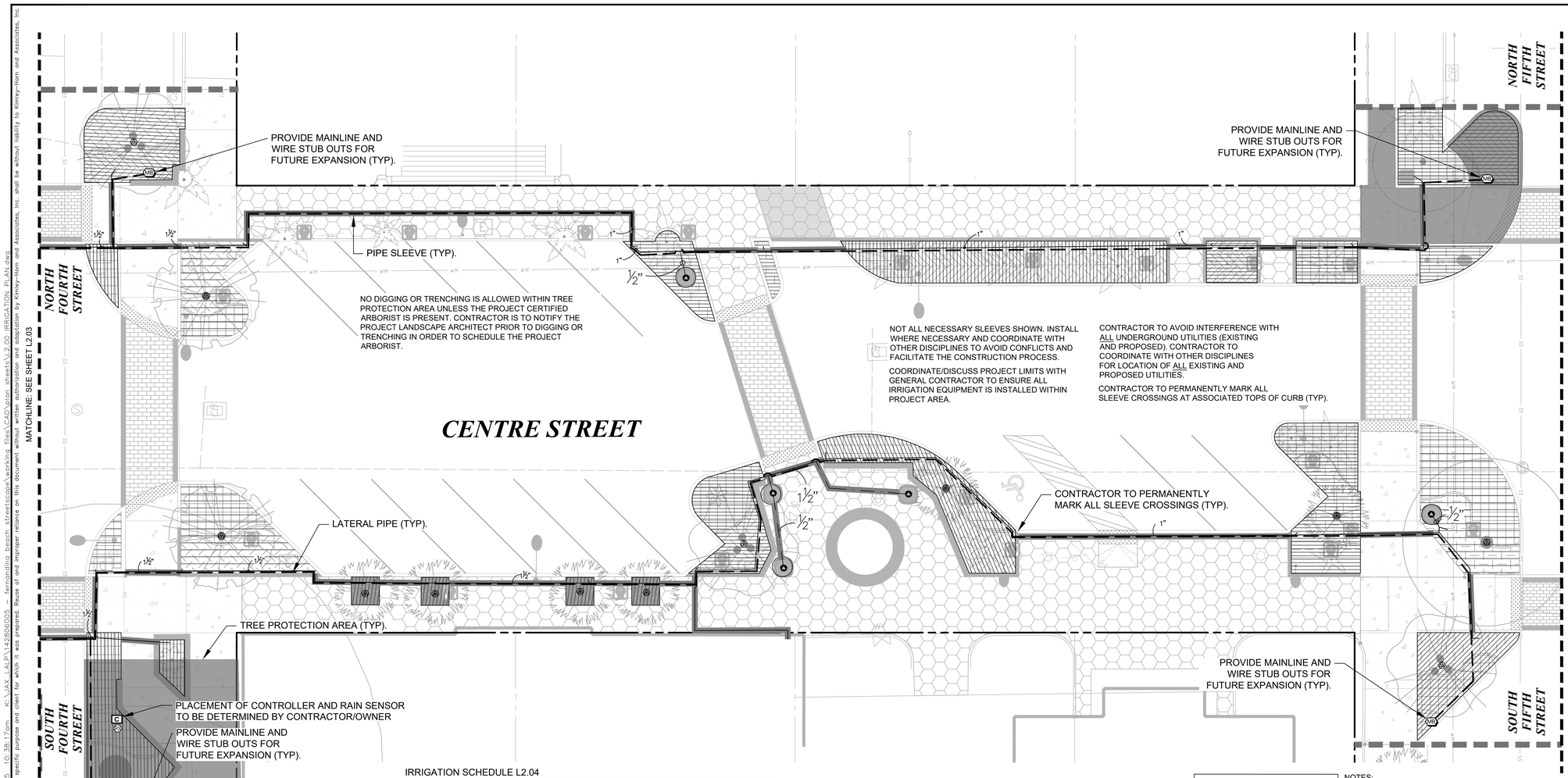
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.51



IRRIGATION SCHEDULE L2.04

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	5
	RAIN BIRD XFCV-06-12 DRIP RING PALM	7
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	5
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE, 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	3
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

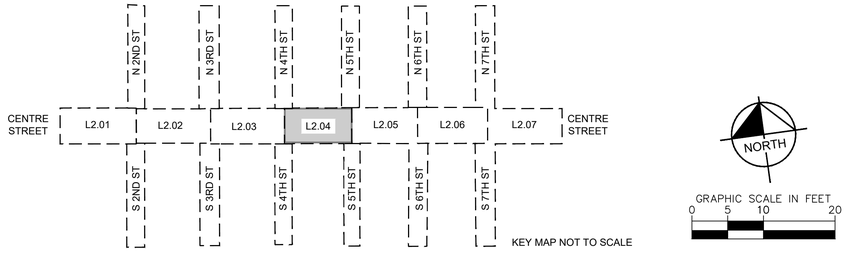
Valve Callout
Valve Number
Valve Flow
Valve Size

SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)

PIPE SIZE	SLEEVE SIZE
1"	2"
1 ½"	4"
2"	4"
2 ½"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG.
2. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
3. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

IRRIGATION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.04

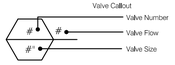
Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.04 January 08, 2025 10:38:17am K:\JAX_LA\EP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\L2.00_IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SCHEDULE L2.01

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	2
	RAIN BIRD XFCV-06-12 DRIP RING PALM	13
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	7
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



IRRIGATION SCHEDULE L2.02

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	3
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	8
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	3
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

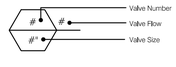
Valve Callout

IRRIGATION SCHEDULE L2.03

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	14
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	2
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

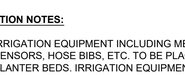


IRRIGATION SCHEDULE L2.04

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	5
	RAIN BIRD XFCV-06-12 DRIP RING PALM	7
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	5
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	3
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

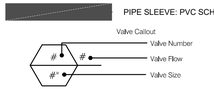


IRRIGATION SCHEDULE L2.05

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	9
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	2
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	2
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	2
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

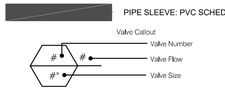


IRRIGATION SCHEDULE L2.06

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	2
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

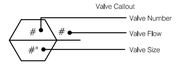


IRRIGATION SCHEDULE L2.07

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING PALM	11
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



VALVE SCHEDULE CENTRE STREET

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PRECIP	TOTAL WATER	RUN TIME
1	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	73.32	33.8	1.44 in/h	0.75 in/h	32 min.
2	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	SPRAY	TBT	TBT	TBT	TBT	TBT
3	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	58.01	34.4	1.44 in/h	0.75 in/h	32 min.
4	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	54.69	33.9	1.44 in/h	0.75 in/h	32 min.
5	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	46.02	33.4	1.45 in/h	0.75 in/h	32 min.
6	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	72.92	36.6	1.44 in/h	0.75 in/h	32 min.
7	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	64.11	32.7	1.44 in/h	0.75 in/h	32 min.

NOTES:

1. IRRIGATION OF NEW LANDSCAPE IS ALLOWED AT ANY TIME OF DAY ON ANY DAY FOR THE INITIAL 30 DAYS AND EVERY OTHER DAY FOR THE NEXT 30 DAYS FOR A TOTAL OF ONE 60-DAY PERIOD, PROVIDED THAT THE IRRIGATION IS LIMITED TO THE MINIMUM AMOUNT NECESSARY FOR ESTABLISHMENT. UPON EXPIRATION OF THIS 60 DAY WINDOW, THE CONTRACTOR IS RESPONSIBLE FOR PROGRAMING THE CONTROLLER TO MEET SJRWMD REQUIREMENTS.
2. THIS SCHEDULE IS PROVIDED FOR CONVENIENCE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ADEQUATE WATERING TO ALL PLANT MATERIAL UNTIL ESTABLISHMENT HAS BEEN REACHED.
3. PROVIDED WATERING SCHEDULE IS PRODUCED BY LAND F/X SOFTWARE FOR SUGGESTED TIMES AFTER ESTABLISHMENT. SCHEDULE MAY VARY BASED ON FIELD CONDITIONS, LANDSCAPE CONTRACTOR TO PROVIDE OWNER WITH ALTERNATIVE WATERING SCHEDULE BASED ON TIME OF PLANTINGS.
5. LANDSCAPE CONTRACTOR TO FOLLOW WATERING SCHEDULE NEEDS BASED ON CHAPTER 40C-2, SUB SECTION 40C-2.042(2) OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT , PERMITTING OF CONSUMPTIVE USES OF WATER. (LISTED BELOW)
SUB SECTION 40C-2.042(2) AFTER ESTABLISHMENT WATERING SCHEDULE DURING DAYLIGHT SAVINGS TIME MAY ONLY OCCUR ON TUESDAYS AND FRIDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. DURING EASTERN STANDARD TIME WATERING SCHEDULE MAY ONLY OCCUR ON TUESDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. MAXIMUM RUN TIME FOR ANY ZONE IS 1 HOUR, AND THE MAXIMUM OUTPUT IS 3/4" PER RUN TIME.

IRRIGATION NOTES:

1. IRRIGATION EQUIPMENT INCLUDING METERS, VALVES, CONTROLLERS, RAIN SENSORS, HOSE BIBS, ETC. TO BE PLACED WITHIN PLANTER BEDS. IRRIGATION EQUIPMENT SHOWN ON SIDEWALK AND STREETS FOR CLARITY ONLY. CONTRACTOR TO VERIFY LOCATION WITH LANDSCAPE ARCHITECT BEFORE INSTALLATION.
2. REFER TO SLEEVING CHART FOR SLEEVE SIZING. ANY MAINLINES OR LATERALS INSTALLED WITHIN VEHICULAR AREAS SHALL BE DOUBLE SLEEVED.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CL01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: L2.08 January 08, 2025 10:39:24pm K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\color sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SPECIFICATION AND NOTES

1. THE SYSTEM SHALL BE DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.

2. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL FIELD VERIFY.

3. CONTRACTOR TO FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.

4. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.

5. IRRIGATION DESIGN IS SCHEMATIC ONLY. FULL AND COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE OWNER'S REPRESENTATIVE.

6. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.

7. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. THE DRAWING SHALL INCLUDE ALL CHANGES MADE TO THE EXISTING IRRIGATION SYSTEM AND ALL NEWLY INSTALLED COMPONENTS INCLUDING ALL SPRINKLERS, STATING BODY TYPES AND NOZZLES, PIPE, INCLUDING SIZES AND THE ENDS OF SLEEVING LOCATIONS AS MEASURED FROM AT LEAST TWO FIXED OBJECTS, CONTROLLER AND WIRE ROUTING. THIS DRAWING MAY BE AN ADAPTATION OF THE IRRIGATION DESIGN WITH ANY CHANGES DRAFTED IN THIS DRAWING. THE DRAWING SHALL ALSO PROVIDE A MINIMUM OF TWO DIMENSIONS TAKEN FROM FIXED OBJECTS TO EACH AUTOMATIC VALVE AND MANUAL CONTROL VALVE. THE AS-BUILT DRAWING SHALL BE DRAWN TO SCALE, PRODUCED IN AUTOCAD OR OTHER DIGITAL DRAFTING PROGRAM, AND DELIVERED AS A PDF AND TWO PRINTED FULL SIZE COPIES.

8. IRRIGATION CONTRACTOR TO PROVIDE POWER SUPPLY TO ELECTRIC CONTROLLERS.

9. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.

10. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS, AS SPECIFIED.

11. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.

12. CONTRACTOR TO COORDINATE LOCATION OF ALL METERS AND BACKFLOW ASSEMBLIES WITH PROJECT OWNER.

13. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.

14. THE CONTRACTOR TO INSTALL PVC PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REVIEW CONSTRUCTION PLANS WITH THE OWNER'S REPRESENTATIVE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO HEAD LINE OR ZONE PLACEMENT.

15. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.

16. ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.

17. SLEEVES UNDER EXISTING PAVEMENT MUST BE DIRECTIONAL BORE. OPEN CUT IS NOT AN OPTION.

18. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.

19. THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR-CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.

20. ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS:

-RECTANGULAR 12"X17" HEAVY DUTY BOX. (PURPLE COVER FOR REUSE TO BE PROVIDED WHERE APPROPRIATE).

21. ALL UNSIZED PIPE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON PLAN. SEE LATERAL PIPE SIZING REQUIREMENTS.

22. EACH TREE AND PALM (AS SHOWN ON THE PLANS) SHALL HAVE A MIN 20 GALLON PER HOUR FLOOD BUBBLER. LOCATE BUBBLER ON THE UPHILL SIDE OF TREES ON ALL SLOPES.

23. ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED ONE (1) FOOT FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).

24. LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2'-0" FROM THE EDGE OF PAVEMENT OR CURB. BACKFLOW, MASTER VALVE, AND FLOW SENSOR SHALL BE A MINIMUM OF 2'-0" FROM BACK OF CURB OR PAVEMENT.

25. IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIPLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.

26. ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND AIR RELIEF VALVE UNLESS THE SPECIFIED DRIPLINE INCLUDES CHECKVALVES. DRIPLINE SHALL PROVIDE 0.9 GPH EMITTERS, 18" O.C. WITH 18" LINE SPACING AT A MINIMUM.

27. IRRIGATION CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL CONTROLLER AND SOIL SENSOR LOCATIONS. THE CONTROLLER SHALL BE PLACED IN A LOCKING CABINET IN THE MOST INCONSPICUOUS AREA APPROPRIATE FOR ITS LOCATION. (INDOOR VS. OUTDOOR USE)

28. CONTRACTOR SHALL PERFORM HYDRO-TESTING OF MAIN LINES.

HYDRO-TESTING TO BE PERFORMED AS LISTED:

THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF TESTING. PRIOR TO BACKFILLING, CONTRACTOR SHALL FILL PIPING WITH WATER, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, TAKING CARE TO PURGE THE AIR FROM IT. A SMALL, HIGH PRESSURE PUMP OR OTHER MEANS OF MAINTAINING A CONTINUOUS WATER SUPPLY SHALL BE CONNECTED TO THE PIPING AND SET SO AS TO MAINTAIN 125 PSI FOR TWO (2) HOURS WITHOUT INTERRUPTION. CONTRACTOR SHALL MAKE ANY NECESSARY CORRECTIONS AND RETEST THE SYSTEM UNTIL THE OWNER'S REPRESENTATIVE IS SATISFIED THAT THE SYSTEM IS REASONABLY SOUND.

29. ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL FOLLOW MANUFACTURERS SPECIFICATIONS. ALL CONTROL WIRE SHALL BE INSTALLED IN A 1-1/4" ELECTRICAL CONDUIT.

30. ALL UNIMPROVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR.

31. INSTALL ALL BACKFLOW PREVENTION DEVICES AND ALL PIPING BETWEEN THE POINT OF CONNECTION AND THE BACKFLOW PREVENTER AS PER LOCAL CODES. FINAL LOCATION SHALL BE DETERMINED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

32. COMMERCIAL LOTS ARE TO UTILIZE SMART IRRIGATION CONTROLLERS WITH SOIL MOISTURE METER SENSORS (SOIL MOISTURE SYSTEMS) TO DETERMINE OPTIMUM MOISTURE LEVELS, SHUT DOWN IRRIGATION, PREVENTING WATER WASTE. THE SOIL MOISTURE SYSTEM SHALL OPERATE AS A PERMISSIVE AND NOT AS A CALL-TO-RUN. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO INSTALL, TEST AND CERTIFY THE SOIL MOISTURE SYSTEM FOR PROPER INSTALLATION AND OPERATION PRIOR TO OCCUPANCY.

33. INSPECT THE CONSTRUCTION SITE BEFORE ANY WORK BEGINS AND FLAG LOCATIONS OF MAINLINE PIPE, SLEEVES, HEADS, AND VALVES FOR REVIEW BY THE OWNER'S REPRESENTATIVE. FLAGS SHALL BE CLEARLY MARKED OR COLORED TO DESIGNATE THE TYPE OF EQUIPMENT TO BE INSTALLED AT THAT POINT. INSTALLATION SHALL NOT COMMENCE UNTIL THE STAKING/FLAGGING HAS BEEN APPROVED.

34. PROVIDE A MINIMUM DEPTH OF COVER OF 18 INCHES FOR ALL MAIN LINE PIPE AND 12 INCHES OF COVER FOR ALL ZONE PIPE AS MEASURED FROM FINISH GRADE.

35. PROVIDE THE MINIMUM DEPTH OF COVER, AS SPECIFIED ABOVE, OVER THE TOP OF THE PIPE BEFORE THE TRENCH IS WHEEL-LOADED.

36. PROVIDE INITIAL BACK FILL MATERIAL THAT IS FINE-GRAINED MATERIAL FREE FROM COMPACTED EARTH GREATER THAN 2 INCHES IN DIAMETER, ROCKS, OR STONES.

37. TAMP THE BACK FILL IN LAYERS NOT TO EXCEED 6 INCHES. LIFT AND COMPACT FIRMLY AROUND THE PIPE AND UP TO AT LEAST 6 INCHES ABOVE THE TOP-OF-PIPE. SUFFICIENTLY MOISTEN THE BACK FILL TO PERMIT THROUGH COMPACTION UNDER AND ON EACH SIDE OF THE PIPE TO PROVIDE SUPPORT FREE FROM VOIDS. AVOID DEFORMING, DISPLACING, OR DAMAGING THE PIPE DURING THIS PHASE OF THE OPERATION. ENSURE THAT WHEN FINISHED, THE SOIL COMPACTION EQUALS THE ORIGINAL CONDITION.

38. SQUARE CUT, CLEAN, AND PIPE ALL JOINTS BEFORE CEMENTING. FULLY ENGAGE ALL JOINTS WHILE CEMENTING. PVC FITTINGS: MAKE ALL SOLVENTS WELD JOINTS IN ACCORDANCE WITH ASTM D2855. PRIME ALL FITTINGS WITH PURPLE PRIMER BEFORE MAKING SOLVENT WELD CONNECTIONS. ALLOW SOLVENT-WELDED JOINTS AT LEAST 1 HOUR TO SET UP BEFORE MOVING OR HANDLING. DO NOT PERMIT WATER IN THE PIPE FOR AT LEAST 24 HOURS AFTER MAKING A SOLVENT WELD ON THAT PIPE UNLESS RECOMMENDED OTHERWISE BY THE SOLVENT CEMENT MANUFACTURER. SEAL ALL THREADED PVC FITTINGS WITH LIQUID TEFLON EXCEPT SPRINKLER HEADS, ELECTRIC VALVE CONNECTIONS, AND SWING JOINTS. INSTALL ALL OF THESE EXCEPTIONS USING 1-INCH TEFLON TAPE.

39. FLUSH ALL PIPELINES BEFORE SPRINKLERS ARE INSTALLED. MAINTAIN A MINIMUM PIPE VELOCITY OF 3 FEET PER SECOND AND FLUSH FOR A MINIMUM TIME OF: T = 2L/3 WHERE T = TIME IN SECONDS AND L = PIPE LENGTH IN FEET FROM INLET POINT TO MOST DISTANT POINT IN THE PIPELINE.

40. INSTALL WIRING IN THE SAME TRENCH AND ALONG THE SAME ROUTE AS AND UNDERNEATH THE MAIN LINE EXCEPT IN LOCATIONS WHERE THE WIRE WILL PASS UNDER PAVING. AT THOSE LOCATIONS, INSTALL THE WIRE INSIDE A PVC SLEEVE. INSTALL CONTROL WIRING THROUGH WALLS, FLOORS, AND SLABS IN PVC SLEEVES.

41. USE UL UF WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS. USE RED #14 AWG WIRE FOR ALL VALVE POWER WIRES. USE WHITE #14 AWG WIRE FOR ALL VALVE COMMON WIRES. USE #14 OR LARGER TWISTED SHIELDED PAIR WIRE FOR ALL TWO-WIRE APPLICATION ON THIS SYSTEM. USE 5/8" OR LARGER COPPER GROUND RODS, COPPER GROUNDING PLATES, CADWELD "ONE SHOT" CONNECTORS AND #6 OR LARGER BARE COPPER WIRE FOR ALL GROUNDING APPLICATIONS FOR THIS SYSTEM. INSTALL GROUNDING AT THE CONTROLLER, ALL DECODER LOCATIONS, AND ALL TERMINATIONS OF THE TWO-WIRE SYSTEM.

42. THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE IN ADVANCE THAT EACH ITEM IS READY FOR INSPECTION AS INDICATED BELOW:

A. FLAGGED UNDERGROUND MAINLINE PIPING, SLEEVES, SPRINKLER AND VALVE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION - NOTIFY 48 HOURS IN ADVANCE.

B. SPRINKLER COVERAGE TEST - NOTIFY 48 HOURS IN ADVANCE.

C. FINAL INSPECTION - NOTIFY 48 HOURS IN ADVANCE.

42. THE CONTRACTOR SHALL ISSUE TO THE OWNER OR OWNER'S REPRESENTATIVE A CERTIFICATE OF WARRANTY OF THE IRRIGATION SYSTEM FOR A PERIOD OF NOT LESS THAN 1 YEAR ON ALL SPRINKLERS, VALVES, THE CONTROLLER, AND THE CONTRACTOR'S LABOR.

43. SUPPLY TO THE OWNER ALL INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING AND ELECTRICAL-RELATED EQUIPMENT, BOUND IN ONE FOLDER. FURNISH THE OWNER WITH ANY KEYS FOR LOCKABLE ITEMS ON THIS SYSTEM.

44. ENSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPE AREAS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING THE INSTALLATION.

45. ALL APPLICABLE CODES SHALL TAKE PRECEDENCE OVER THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFFER TO CO.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

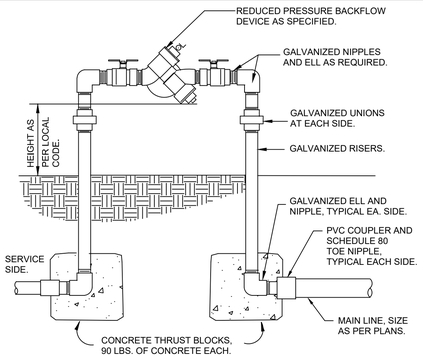
IRRIGATION NOTES

FERNANDINA BEACH STREETSCAPE
IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

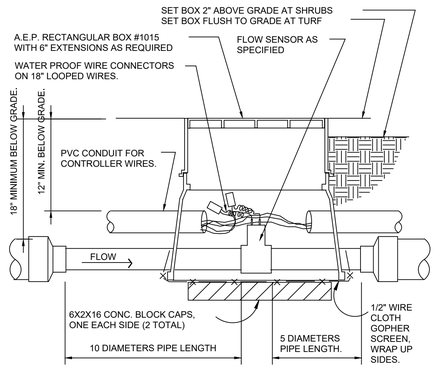
SHEET NUMBER
L2.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.50 January 08, 2025 10:39:26am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



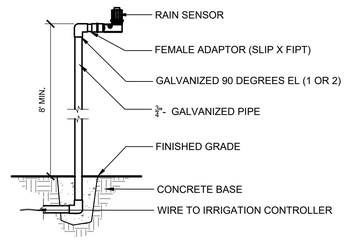
1 REDUCED PRESSURE BACKFLOW DEVICE

1" = 1'-0" L-IR-BAC-03



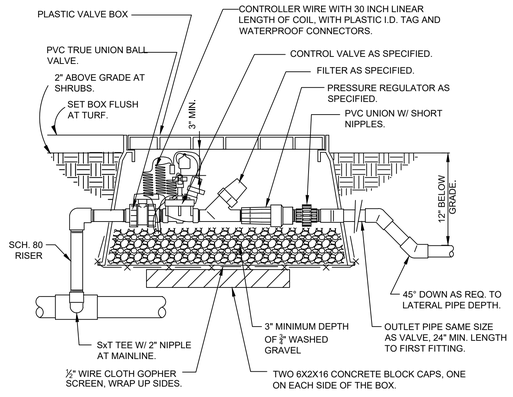
2 FLOW SENSOR ASSEMBLY

NTS L-IR-SEN-01



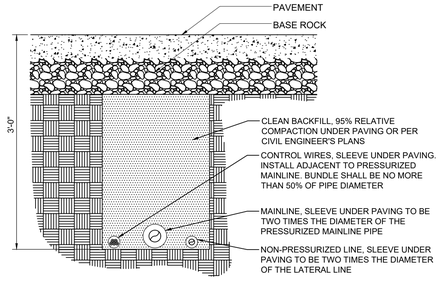
3 RAIN SENSOR- POLE MOUNT

SECTION NTS



4 REMOTE CONTROL VALVE (DRIP)

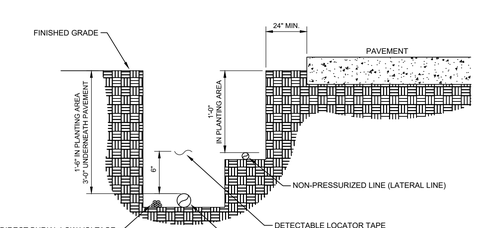
NTS L-IR-DRI-05



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE.
2. ALL SLEEVES SHALL BE SCH. 200 PVC PIPE.
3. ALL SLEEVES SHALL EXTEND 12" BEYOND THE EDGE OF PAVEMENT.
4. END OF SLEEVES SHALL BE LOCATED WITH A WOODEN STAKE OR PVC PIPE. LOCATORS SHALL RUN CONTINUOUSLY FROM THE END OF THE SLEEVE TO FINISHED GRADE.

5 TYPICAL IRRIGATION SLEEVING

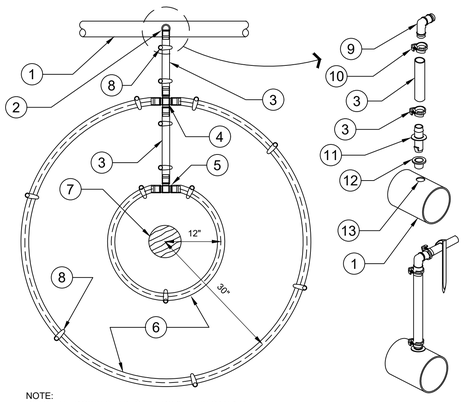
L-IR-EQU-03



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
2. SLEEVING IS REQUIRED AS SHOWN ON PLAN.
3. DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

6 IRRIGATION TRENCHING

NTS L-IR-EQU-10

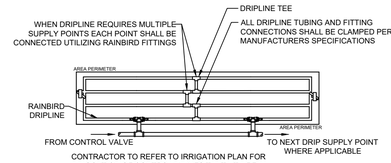


NOTE:
PLACE TIE DOWN STAKES EVERY 3 FT. IN SAND, 4 FT. IN LOAM, AND 5 FT. IN CLAY, AS WELL AS AT ALL CHANGE OF DIRECTION SUCH AS AT TEES OR ELLS.

DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL

7 TYPICAL DRIP IRRIGATION

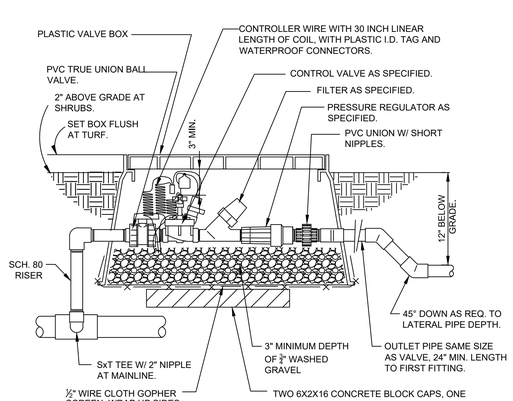
NTS L-IR-DRI-25



CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS.

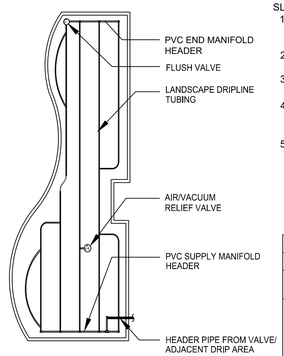
NOTE
1. DRIP TUBING TO BE ROUTED IN THE PLANT MATERIAL BED WITH AT MAXIMUM LATERAL SPACING OF 16 INCHES.
2. DRIP TUBING TO BE INSTALLED IN A GRID PATTERN. DRIP TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.
3. INSTALL WITH AIR RELIEF VALVE, OPERATION INDICATOR AND FLUSH VALVE. INSTALL ALL UNDERGROUND EQUIPMENT IN 12" ROUND VALVE BOX.

1. LATERAL SUPPLY PIPE, SEE PLAN.
2. DRIPLINE CONNECTION TO BELOW GRADE LATERAL PIPE, SEE DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL (TYPICAL CONDITION).
3. POLYETHYLENE TUBING SEE PLAN FOR SIZING.
4. BARB CROSS INSERT FITTING.
5. BARB TEE INSERT FITTING.
6. AT-GRADE DRIPLINE, INNER RING 12" FROM PLANT, OUTTER RING 30" FROM PLANT. DRIPLINE AS SPECIFIED ON PLAN.
7. PLANT TRUNK.
8. TYPICAL ANTELCO ASTA TIE-DOWN STAKE, SEE NOTE.
9. DRIPLINE BARBED INSERT ELL.
10. RATCHET CLAMP AT ALL BARBED CONNECTIONS, ANTELCO PART NO. 44345.
11. INSERT ADAPTER, ANTELCO "XPANDO" PART NO. 45595.
12. ANTELCO "CAPO: RUBBER GROMMET, NO. 45735.
13. DRILL 5/8" HOLE IN PVC LATERAL PIPE WHERE REQUIRED. YOU MUST USE A "FORSTNER" DRILL BIT FOR DRILLING INTO PVC. REMOVE ANY EXCESS BURRS OR ROUGH EDGES.



8 REMOTE CONTROL VALVE (DRIP)

NTS JAX-O9-05



SLOPE CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP 2/3 OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 1/3 OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM 1/3 ON A SEPARATE VALVE.

MAXIMUM LATERAL LENGTH (FEET)	
EMITTER FLOW RATE GPH	
PSI	18" SPACING 0.6
15	314
20	353
30	413
40	465
50	528
60	596

9 TYPICAL DRIPLINE LAYOUT

NTS JAX-O9-27

10 TREE RING DRIPLINE IRRIGATION

N.T.S. JAX-O9-04

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO CO.01 SIGNATURE SHEET

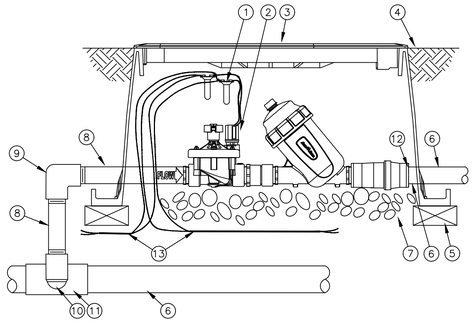
KHA PROJECT 142806005	
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.51 January 08, 2025 10:39:31am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

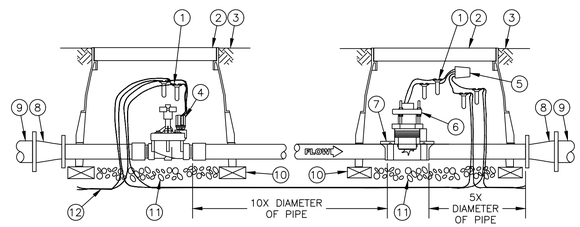


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. THE LCDR KIT INCLUDES A PESB-R VALVE AND DISC FILTER FOR RECLAIMED WATER USE.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20 (TWO REQUIRED)
2. RAIN BIRD DRIP KIT: XCZ-150-LCDR WITH IVM-SOL
3. VALVE BOX WITH COVER: RAIN BIRD VB-JUMBO
4. FINISH GRADE OR TOP OF MULCH
5. BRICK (1 OF 4)
6. PVC PIPE
7. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
8. PVC SCH 80 NIPPLE 1 1/2"
9. PVC SCH 80 ELBOW
10. PVC SCH 80 NIPPLE (2" LENGTH, HIDDEN) AND PVC SCH 80 ELBOW
11. PVC SCH 80 TEE OR ELBOW
12. PVC SCH 40 MALE ADAPTER
13. TWO-WIRE CABLE BETWEEN DEVICES

1 XCZ-150-LCDR WITH IVM-SOL

NTS JAX-09-20



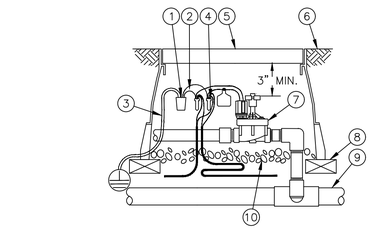
NOTE:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20
2. VALVE BOX WITH COVER: RAIN BIRD VB-STD
3. FINISH GRADE/TOP OF MULCH
4. NORMALLY CLOSED MASTER VALVE: RAIN BIRD PEB OR PGA WITH IVM
5. RAIN BIRD IVM-SEN
6. FLOW SENSOR: RAIN BIRD FS SERIES
7. DOUBLE-STRAP SADDLE
8. CONCENTRIC REDUCER
9. PVC MAINLINE PIPE
10. BRICK (1 OF 4)
11. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
12. TWO-WIRE CABLE BETWEEN DEVICES

NOTE:
1. REFER TO RAIN BIRD TECHNICAL DATA FOR FLOW SENSOR INSTALLATION BASED ON PIPE SIZING PARAMETERS.

2 MASTER VALVE WITH IVM-SOL AND FLOW SENSOR WITH IVM-SEN

NTS JAX-09-19

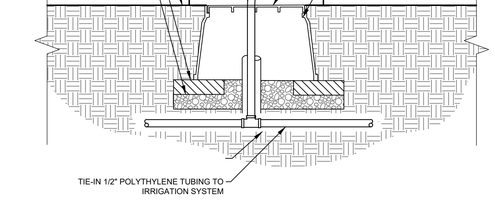


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. ONE IVM-SD IS REQUIRED EVERY 500 FEET OR EVERY 15 FIELD DEVICES.

1. RAIN BIRD IVM-SD SURGE DEVICE
2. CONNECT THE RED AND BLACK WIRES ON THE IVM-SD TO THE TWO-WIRE PATH
3. CONNECT THE GREEN WIRES FROM THE IVM-SD TO THE GROUNDING ROD OR PLATE
4. WATERPROOF CONNECTION RAIN BIRD WC20 (TWO REQUIRED)
5. VALVE BOX WITH COVER: RAIN BIRD VB-STD
6. FINISH GRADE/TOP OF MULCH
7. ELECTRIC REMOTE-CONTROL VALVE
8. BRICK (1 OF 4)
9. PVC MAINLINE PIPE
10. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
11. TWO-WIRE CABLE BETWEEN DEVICES

3 ELECTRIC REMOTE-CONTROL VALVE WITH IVM-SOL AND IVM-SD (SURGE DEVICE)

NTS JAX-09-18



4 DRIP RING IN PLANTER

NTS JAX-FE-24

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETIALS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L2.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.52 January 08, 2025 10:39:36am K:\JAX_LAI\PV\142806005 — fernandina beach streetscape\working files\CAD\xlsx sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL NOTES:

1. THE SUBMISSION OF A BID BY THE CONTRACTOR IS NOTIFICATION THAT THE CONTRACTOR HAS TOTALLY FAMILIARIZED HIMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING SITE CONDITIONS AND HAS AGREED TO PROVIDE THE NECESSARY LABOR AND MATERIAL FOR THE COMPLETE INSTALLATION OF EACH SYSTEM IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST PRACTICES OF THE INDUSTRY AND IN COMPLIANCE WITH ALL AUTHORITIES HAVING JURISDICTION.
2. THESE DRAWINGS ARE PRESENTED TO THE CONTRACTOR WITH THE UNDERSTANDING THAT THE CONTRACTOR IS AN EXPERT AND COMPETENT IN THE PREPARATION OF CONTRACT BID PRICES ON THE BASIS OF INFORMATION SUCH AS IS CONTAINED IN THESE DOCUMENTS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION AND IN COMPLETE CONFORMANCE WITH ALL APPLICABLE CODES, RULES, AND REGULATIONS. MINOR ITEMS NOT USUALLY SHOWN OR SPECIFIED, BUT MANIFESTLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE VARIOUS SYSTEMS, SHALL BE INCLUDED IN THE WORK AND IN THE PROPOSAL THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO DEPARTURES SHALL BE MADE WITHOUT PRIOR APPROVAL.
3. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.
4. THE DRAWINGS INDICATE ARRANGEMENTS AND APPROXIMATE SIZES AND RELATIVE LOCATIONS OF PRINCIPAL APPARATUS, EQUIPMENT, DEVICES, AND SERVICES TO BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND ARE A GRAPHIC REPRESENTATION OF CONTRACT REQUIREMENTS BASED ON THE INFORMATION PROVIDED BY THE MANUFACTURER IDENTIFIED IN THE EQUIPMENT SCHEDULE AT THE SCALE INDICATED.
5. LAYOUT OF EQUIPMENT INDICATED ON THE DRAWINGS SHALL BE CHECKED AND COMPARED AGAINST ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND EXACT LOCATIONS DETERMINED USING APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT. WHERE PHYSICAL INTERFERENCES OCCUR, CONSULT WITH THE OWNER AND PREPARE DATED, DIMENSIONED DRAWINGS COORDINATED WITH ALL OTHER TRADES WORKING IN THIS AREA AND CORRECTING SUCH INTERFERENCE.
6. THE CONTRACTOR SHALL SCHEDULE THEIR WORK IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE SO THAT ALL OF THEIR WORK CAN BE INSTALLED WITHOUT DELAYING THE PROJECT. ALL WORK RELATED TO SHUTDOWN OF EXISTING SERVICES SHALL BE PERFORMED AT THE HOURS DESIGNATED BY THE OWNER WITH ALL ASSOCIATED COSTS BORNE BY THE CONTRACTOR AT NO COST TO THE OWNER. PROVIDE ANY TEMPORARY FACILITIES REQUIRED TO PERMIT OWNER'S USE OF EXISTING FACILITIES AND SYSTEMS TO REMAIN UNDISTURBED. COORDINATE ALL WORK, INCLUDING ALL SHUTDOWNS THAT AFFECT SYSTEMS AND/OR PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION, WITH OWNER.
7. THE CONTRACTOR SHALL SECURE AND PAY ALL FEES, LICENSES, INSPECTIONS, AND PERMITS PERTAINING TO THE CONTRACT. SUBMIT TO OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM APPROVED INSPECTION AGENCY.
8. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORKMEN'S IDENTIFICATION AND BADGING, SAFETY AND FIRE PROTECTION, BARRICADES, WARNING SIGNS, TRASH REMOVAL, CUTTING AND PATCHING.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND WITHOUT BLEMISH OR DEFECT. ALL EQUIPMENT INSTALLED SHALL BEAR THE LABEL OF AN APPROVED AGENCY.
11. THE CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT, AND TRANSFER TO POINT OF INSTALLATION FOR ALL FURNISHED ITEMS.
12. WHERE CONDUIT, CABLES, DUCTWORK, OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE PENETRATION SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THIS SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER TO MAINTAIN THE UL LISTED FIRE RATING OF THE PENETRATED WALL OR FLOOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB OPENINGS, WALL OPENINGS, BEAM PENETRATIONS, AND CORING AS IT RELATES TO THEIR WORK. THE CONTRACTOR SHALL SUBMIT SIZE AND LOCATION FOR REVIEW AND APPROVAL.
14. ALL EXTERIOR WALL OPENINGS SHALL BE SLEEVED, PROPERLY CAULKED, AND SEALED WITH A HIGH QUALITY SEALANT TO PREVENT INFILTRATION OF MOISTURE AND OUTSIDE AIR.
15. THE CONTRACTOR SHALL SUBMIT SCHEDULE OF SUBMITTALS PRIOR TO SUBMITTING ANY SHOP DRAWINGS, ETC. TO BE SUBMITTED FOR THIS PROJECT, INCLUDING THE ANTICIPATED DATE OF EACH SUBMISSION. CONTRACTORS SHALL SUBMIT AN ELECTRONIC COPY OF THE COMPLETE SHOP DRAWINGS AND CATALOG CUTS, WIRING DIAGRAMS AND ASSOCIATED DATA TO THE OWNER FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT OR STARTING ANY WORK. ANY WORK INSTALLED OR EQUIPMENT PURCHASED PRIOR TO RECEIPT OF OWNER APPROVED SUBMITTALS SHOP DRAWINGS THAT REQUIRES CHANGES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
16. SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE CONTRACTOR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS.
17. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL SUPPLY THE OWNER WITH (3) COMPLETE BOUND COPIES OF ALL OWNER APPROVED SUBMITTALS AND ALL OPERATION AND MAINTENANCE MANUALS
18. ALL WORK FURNISHED UNDER THE CONTRACT SHALL BE GUARANTEED AGAINST ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION, UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS, AND ANY DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED AND ANY DEFECTIVE MATERIAL REPLACED WITHOUT ADDITIONAL COST TO THE OWNER.
19. INSTALLED SYSTEMS SHALL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT SOUND OR VIBRATION THAT IS OBJECTABLE TO THE OWNER, OBJECTABLE SOUND OR VIBRATION CONDITIONS DUE TO WORKMANSHIP SHALL BE CORRECTED IN APPROVED MANNER BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
20. THE CONTRACTOR SHALL SIMILARLY NOTIFY OWNER OF COMPLETION OF ALL WORK, INDICATING THE CONTRACTOR IS READY FOR THE OWNER TO PERFORM THE FINAL PUNCHLIST INSPECTION.
21. UPON COMPLETION OF ALL UNFINISHED OR FAULTY WORK NOTED IN THE OWNER'S FINAL PUNCH LIST, THE CONTRACTOR SHALL SUBMIT TO THE OWNER IN WRITING A LETTER OF COMPLETION CERTIFYING THAT ALL PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ALL AS-BUILTS, MANUALS, ETC. HAVE BEEN SUBMITTED.
22. SHOULD A CONTRACTOR REQUIRE REMOVAL, RELOCATION, OR REROUTING OF ANOTHER TRADE'S WORK THAT IS NOT INDICATED ON DRAWINGS, THE CONTRACTOR REQUIRING SUCH WORK SHALL BE RESPONSIBLE FOR THAT WORK, AND PAY ALL REQUIRED COSTS.
23. ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEMS, EQUIPMENT, AND MATERIALS SHALL BE REVIEWED WITH THE OWNER BEFORE BEGINNING WORK.
24. DEFINITION: UNLESS OTHERWISE NOTED, ALL WORK SPECIFIED HEREIN OR NOTED ON DRAWINGS, SHALL BE BY THE CONTRACTOR. THE TERM "PROVIDE" WHENEVER ENCOUNTERED ON DRAWINGS OR IN THESE SPECIFICATIONS, SHALL MEAN "FURNISH AND INSTALL."
25. CODES AND STANDARDS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND FIRE INSURANCE CARRIER'S REQUIREMENTS.
26. MATERIALS: ALL MATERIALS FURNISHED BY THIS CONTRACTOR, SHALL BE NEW AND BEAR THE LABEL OR LISTING OF A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.
27. OUTLET AND SWITCH BOXES: PROVIDE AND INSTALL OUTLET BOXES OF PROPER TYPE AND SIZE AS REQUIRED AT ALL OUTLETS WHERE SHOWN. SECURED FIRMLY IN PLACE AND SET TRUE AND SQUARE AND FLUSH WITH THE FINISHED SURFACE.
28. WIRING: WIRES SHALL BE COPPER AND RATED FOR THE LOCATIONS IN WHICH THEY ARE INSTALLED. ALL RACEWAYS ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION TO BE DETERMINED ON THE JOB. CONTRACTOR SHALL ARRANGE ALL NEW CIRCUITS IN PANELS SO AS TO BALANCE THE LOAD ON ALL PHASES.
29. A TYPED DIRECTORY CARD SHALL BE PROVIDED IN EACH PANEL WITH ADDED CIRCUITS TO INDICATE THE LOADS ACTUALLY SERVED.
30. GROUNDING: SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 250. PROVIDE GROUND WIRES AS REQUIRED AND RESIZE CONDUIT IF NECESSARY.
31. DEMONSTRATION OF COMPLETE ELECTRICAL SYSTEMS: UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF APPROVAL FROM THE RESPECTIVE INSPECTION AGENCIES. CONTRACTOR SHALL NOTIFY AND MAKE ALL THE NECESSARY ARRANGEMENTS WITH THE INSPECTING AGENCY AND LOCAL AUTHORITIES SO THAT INSPECTION MAY BE CARRIED OUT AT THE PROPER TIME.

LEGEND

SYMBOL	TYPE	MODEL NUMBER	MOUNTING HEIGHT	MOUNTING TYPE	DESCRIPTION	WATTAGE
	TYPE T1	CN55P1A-FGC-T3MB1A-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T2	SN21P1-FGC-T1-P10-30K	14'	POLE MOUNTED	SINGLE	22W
	TYPE T3	CN55P1A-FGC-T3HS-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T4	DSX1-LED-P3-30K-80CRI-T4M-MVOLT -SPA-PER7-DBLXD	18.5'	POLE MOUNTED	SINGLE	N/A
E	NEW PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
C	NEW COMMUNIATIONS PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	LOAD CENTER (LC)	LOAD CENTER	N/A	N/A	N/A	N/A
	EXISTING PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	NEW RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A
	SPECIAL RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A

COMMUNICATION CONDUIT

ELECTRICAL CONDUIT

UGE EXISTING ELECTRICAL CONDUIT

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: JM
CHECKED BY: MAJ

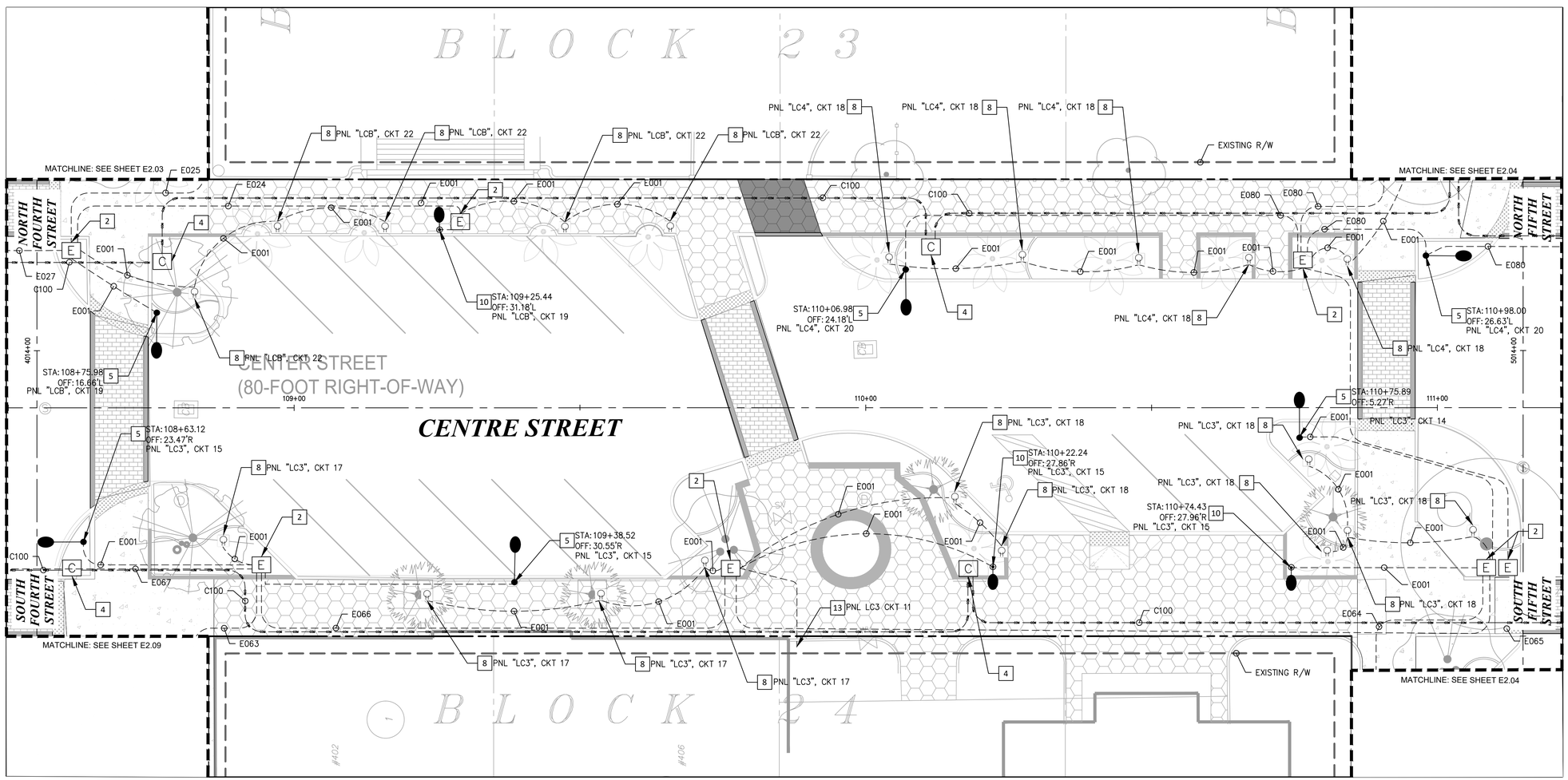
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E0.00 January 08, 2025 10:39:56am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

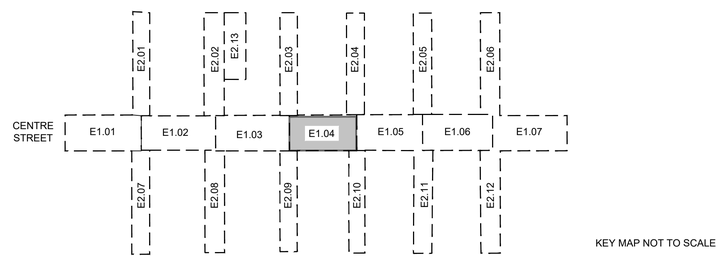


CONSTRUCTION NOTES

2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
5. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
8. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.
10. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.
13. TIE NEW ELECTRICAL CONDUIT TO EXISTING FOUNTAIN PUMP CONTROL.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20



KEY MAP NOT TO SCALE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA
DRAWN BY: JM	CHECKED BY: MAJ		

LIGHTING PLAN

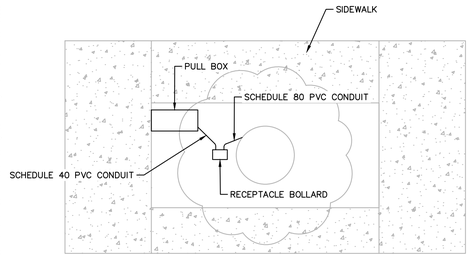
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

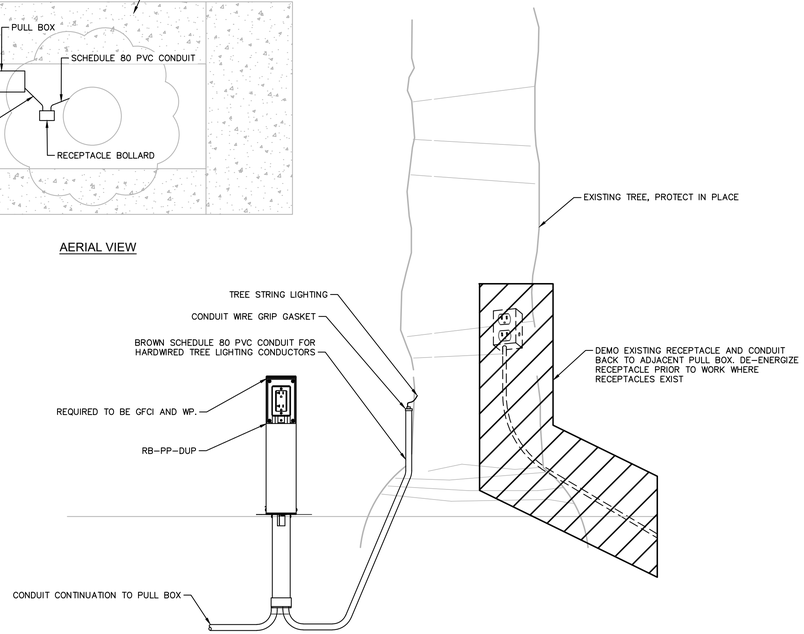
CITY OF FERNANDINA BEACH

SHEET NUMBER
E1.03

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E1.04 January 08, 2025 10:40:42am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\xlon sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

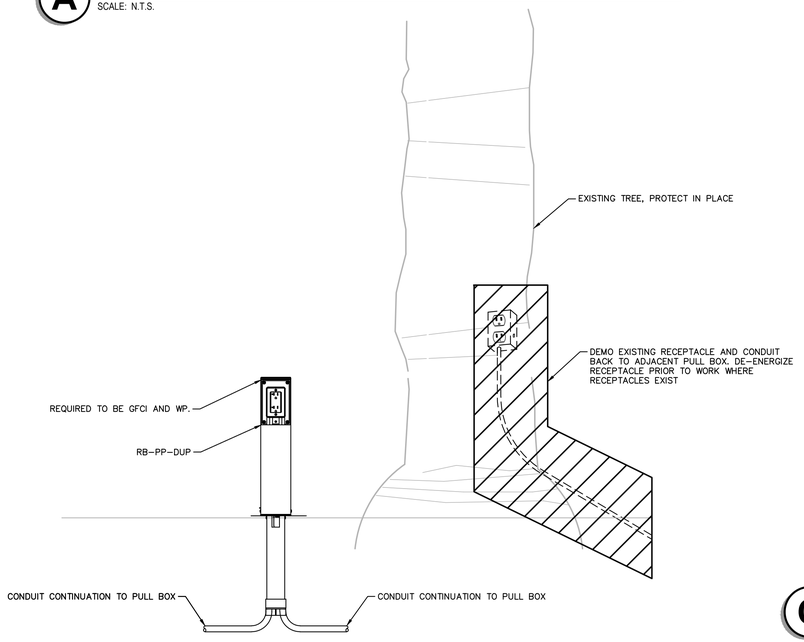


AERIAL VIEW



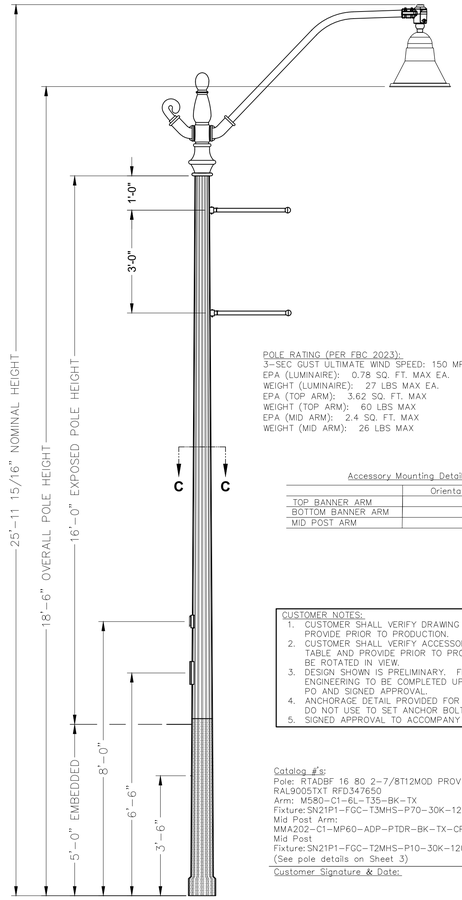
A TYPICAL HERITAGE TREE RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



B TYPICAL RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



POLE RATING (PER FBC 2023):
3-SEC GUST ULTIMATE WIND SPEED: 150 MPH MAX
EPA (LUMINAIRE): 0.78 SQ. FT. MAX EA.
WEIGHT (LUMINAIRE): 27 LBS MAX EA.
EPA (TOP ARM): 3.62 SQ. FT. MAX
WEIGHT (TOP ARM): 60 LBS MAX
EPA (MID ARM): 2.4 SQ. FT. MAX
WEIGHT (MID ARM): 26 LBS MAX

Accessory Mounting Detail

	Orientation
TOP BANNER ARM	
BOTTOM BANNER ARM	
MID POST ARM	

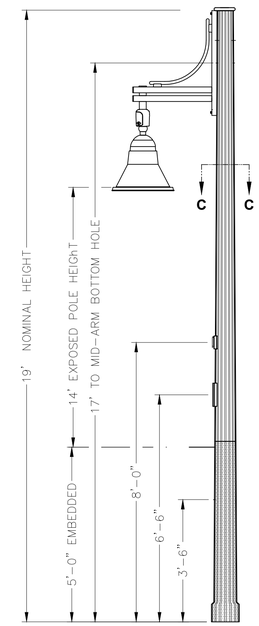
CUSTOMER NOTES:
1. CUSTOMER SHALL VERIFY DRAWING DETAILS AND PROVIDE PRIOR TO PRODUCTION.
2. CUSTOMER SHALL VERIFY ACCESSORY LOCATION IN TABLE AND PROVIDE PRIOR TO PRODUCTION. MAY BE ROTATED IN VIEW.
3. DESIGN SHOWN IS PRELIMINARY. FINAL ENGINEERING TO BE COMPLETED UPON RECEIPT OF PO AND SIGNED APPROVAL.
4. ANCHORAGE DETAIL PROVIDED FOR VISUAL ONLY – DO NOT USE TO SET ANCHOR BOLTS.
5. SIGNED APPROVAL TO ACCOMPANY PO.

Catalog #'s:
Pole: RTADBF 16 80 2-7/8T12MOD PROV GFI 2BA
RAL9005TXT RFD347650
Arm: M580-C1-6L-T35-BK-TX
Fixture: SN21P1-FGC-T3MHS-P70-30K-120-10KV-ADS-PTDR-BK-TX
Mid Post Arm:
MMA202-C1-MP60-ADP-PTDR-BK-TX-CP6786
Mid Post
Fixture: SN21P1-FGC-T2MHS-P10-30K-120-10KV-ADP-PTDR-DIM-BK-TX
(See pole details on Sheet 3)

Customer Signature & Date:

C TYPICAL STREET LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.



D TYPICAL PEDESTRIAN LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

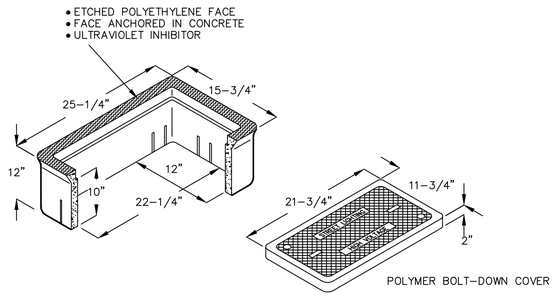
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

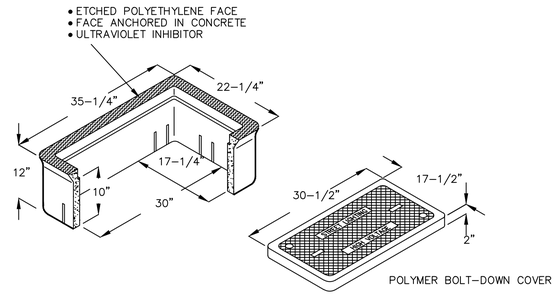
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.01

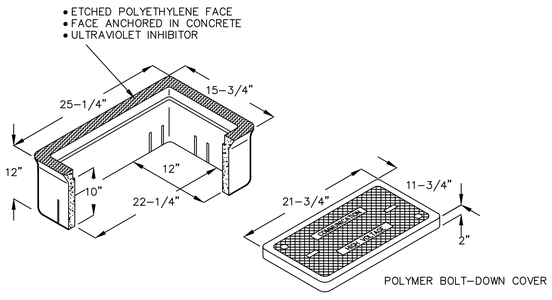
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.01 January 08, 2025 10:46:34am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



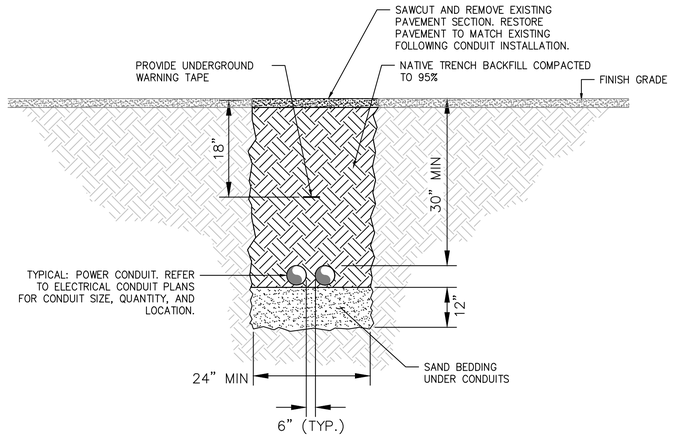
E **TYPICAL NO.5 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



F **TYPICAL NO.7 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



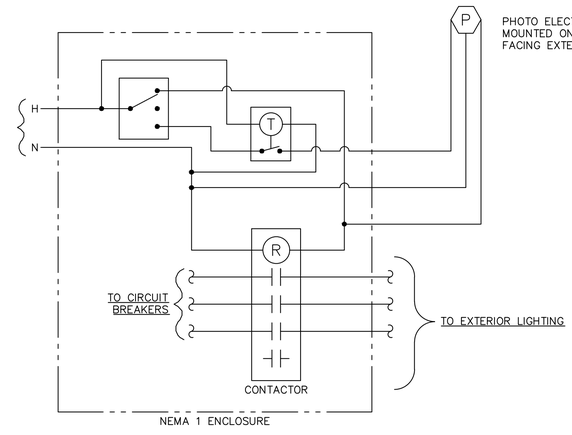
G **TYPICAL COMMUNICATION NO.5 PULL-BOX INSTALLATION DETAIL**
SCALE: N.T.S.



NOTES:

1. ADJUST MINIMUM TRENCH WIDTH TO ACCOMMODATE SPECIFIED CONDUITS IN TRENCH MAINTAINING SEPARATION INDICATED.
2. CEC TABLE 300.5 REQUIRES MINIMUM COVER OF 24" BELOW GRADE UNDER PARKING LOTS AND ROADWAYS. PROVIDE 30" MINIMUM COVER AS INDICATED IN THESE LOCATIONS.
3. CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS INDICATED OTHERWISE ON PLAN VIEW.

Z **TRENCH DETAIL**
SCALE: N.T.S.



H **TYPICAL LIGHTING CONTACTOR AND CONTROL DETAIL**
SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.02 January 08, 2025 10:46:18am K:\JAX_LAND\142806005 – Fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E001	1"	NEW	1	(2) #10 AWG CONDUCTORS AND (1) #10 GROUND	ALL	ALL	All connections from pullbox to fixture
E002	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	15	Park Lighting
E003	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	14, 15, 20	South Street Lighting, Park Lighting, Street Receptn
E004	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	19, 21	North Street Lighting, Street Receptn
E005	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 21, 23	Center & North 2nd Steet Lighting, Street Receptn
E006	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	18	North 2nd Street Lighting
E007	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 23	North Street Lighting, Street Receptn
E008	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 23	North Street Lighting, Street Receptn
E009	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16	South 3rd Street Lighting
E010	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 24	Center & South 3rd Street Lighting, Street Receptn
E011	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 17, 22, 24	Center & South 3rd Street Lighting, Street Receptn
E012	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13	South 2nd Street Street Lighting
E013	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 16, 17, 22, 24	Center, South 2nd &3rd Street Lighting, Street Receptn
E014	3"	NEW	1	(12) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 20, 21, 23	Street Lighting, Street Receptn
	3"	NEW	1	(14) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 14, 15, 16, 17, 22, 24	Street Lighting, Street Receptn
E020	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 20	Center Street Lighting, Street Receptn
E021	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	17	North 3rd Street Lighting
E022	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E023	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 17, 20	Center and North 3rd Street Lighting, Street Receptn
E024	2"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCB	22	
E025	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E026	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E027	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E028	3"	NEW	1	(4) #6 AWG CONDUCTORS	LCB	19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E029	3"	NEW	1	(6) #6 AWG CONDUCTORS	LCB	16, 19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E030	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
E031	1"	NEW	1	(2) #8 AWG CONDUCTORS AND (1) #8 GROUND	LCB	24	Library Parking Lot Lighting
E032	3"	NEW	1	(12) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21, 24	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E042	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6GROUND	LCC	16	North East 5th Street Lighting
E043	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16	North East 5th Street Lighting
E044	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16, 21	Center & North 5th Street Lighting, Receptn
E045	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14	North East 6th Street Lighting
E046	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
E047	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	14	North East 6th Street Lighting
E048	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCC	20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E049	3"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
				(4) #6 AWG CONDUCTORS	LCC	17, 20	Center, North 5th & 6th Street Lighting, Receptn
E050	3"	NEW	1	(8) #6 AWG CONDUCTORS	LCC	13, 17, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E051	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	13	North East 7th Street Lighting
E052	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17	Center Street Lighting
E053	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17, 18	Center Street Lighting, Receptn
E054	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCC	13, 17, 18, 19, 20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn
E055	2"	NEW	1	(10) #6 AWG CONDUCTORS (1) #6 GROUND	LCC	13, 17, 18, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E060	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12	South East 3rd Street Lighting
E061	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12, 16	South East 3rd Street Lighting, Receptn
E062	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E063	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E064	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	South West 5th Street Lighting
E065	2"	NEW	1	(4) #6 AWG CONDUCTORS	LC3	15, 18	South West 5th & Center Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	
E066	2"	NEW	1	(6) #6 AWG CONDUCTORS	LC3	11, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South West 5th & Center Street Lighting, Receptn
E067	2"	NEW	1	(8) #6 AWG CONDUCTORS	LC3	11, 13, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South 4tth, 5th & Center Street Lighting, Receptn
E068	3"	NEW	1	(10) #6 AWG CONDUCTORS	LC3	11, 13, 15, 16, 17	South 4tth, 5th & Center Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12, 14, 18	South East 3rd Street & Center Lighting, Receptn
E069	2"	NEW	1	(2) #6 AWG CONDUCTORS	LC3	16	South East 3rd Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12	
E070	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	13	Center &South East 5th Street Lighting
E071	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	13, 14	Center &South East 5th Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS	LC4	18	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	
E072	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	9	South 6th Street Lighting
E073	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	10	South 7th Street Lighting
E074	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	11	Center Street Lighting
E075	2"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	11, 17	Center Street Lighting, Receptn
E076	2"	NEW	1	(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center, South 6th & 7th Street Lighting, Receptn
E077	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	12, 15	Center, South 6th & 7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	
E078	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	9, 12, 15	Center &South7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center & South 6th Street Lighting, Receptn
E079	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	12, 13, 14, 15	Center, South 5th & 7th Street Lighting, Receptn
	3"	NEW	1	(10) #4 AWG CONDUCTORS	LC4	10, 11, 16, 17, 18	Center, South & 6th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting
E080	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	20	North West 5th Street Lighting
E081	2"	NEW	1	(2) #4 AWG CONDUCTORS	LC4	18	Center & North West 5th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting

SITE COMMUNICATION CONDUIT SCHEDULE					
CONDUIT				CABLE	REMARKS
PATH NO.	SIZE	STATUS	QTY		
C100	3"	NEW	1	PULL STING	All connections from pullbox to pullbox

P CONDUIT AND CONDUCTOR SCHEDULE

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING CUTSHEETS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.04 January 08, 2025 10:46:41am K:\JAX_LAL\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.03 January 08, 2025 10:46:46am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00_LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

PANEL NAME (NEW): LC C

LOCATION: NORTH 7TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 125 A
MCB RATING: 125 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1			125	2					1	20	L	LIGHTS	2
3	MAIN								1	20	L	LIGHTS	4
5									1	20	L	LIGHTS	6
7	WEST POWER PEDESTALS	R	100	2					1	20	R	CONTACTOR	8
9									1	20	R	SPRINKLER/TIME CLOCK ON PEDESTAL	10
11	EAST POWER PEDESTALS	R	60	2					1	20	R	CONTACTORS	12
13	**LIGHTING N 7TH**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 6TH**	14
15	SPACE							1,425	1	20	L	**LIGHTING CENTER**	16
17	**LIGHTING CENTER**	L	20	1	1,425	1,260			1	20	R	**CENTER RECEPTACLES**	18
19	**CENTER RECEPTACLES**	R	20	1			1,080	1,080	1	20	R	**CENTER RECEPTACLES**	20
21	**CENTER RECEPTACLES**	R	20	1	1,260							SPACE	22
23	SPACE	R	20	1								SPACE	24
					TOTAL LOAD:		6,395 VA		TOTAL LOAD:			3,585 VA	
					TOTAL AMPS:		53.3 A		TOTAL AMPS:			29.9 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	9980
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11305
RECEPTACLE (R)	4680.0	100.00%	4680.0	TOTAL CONN. (A):	41.6
LIGHTING (L)	5300.0	125.00%	6625.0	TOTAL EST. DEMAND (A):	47.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	38%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

NOTES:
REMOVE THE EXISTING ELECTRICAL PANEL AND CAREFULLY DISCONNECT ALL ASSOCIATED WIRING. INSTALL A NEW 120/240V, 1-PHASE, 200A NEMA 1 DISTRIBUTION PANEL IN THE SAME LOCATION. REPLACE EXISTING BREAKERS WITH NEW BREAKERS MATCHING THE SPECIFICATIONS, RATINGS, AND CONFIGURATIONS OF THE ORIGINAL BREAKERS TO PROTECT ALL EXISTING CIRCUITS. RECONNECT ALL EXISTING WIRING TO THE NEW PANEL IN ACCORDANCE WITH THE ORIGINAL CONFIGURATION, ENSURING COMPLIANCE WITH NEC AND LOCAL ELECTRICAL CODES. TEST THE PANEL AND BREAKERS FOR PROPER OPERATION, AND PROVIDE AS-BUILT DOCUMENTATION, INCLUDING AN UPDATED PANEL SCHEDULE.

I PANEL LCC PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 4

LOCATION: SOUTH 6TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHT	L	30	1					1	30	L	STREET LIGHT	2
3	PHOTO CELL	R	20	1					1	30	L	STREET LIGHT	4
5	OUTLET BELOW	R	20	1					1	20	L	LIGHT IN THIS CABINET	6
7	EXISTING	L	20	1					1	20	R	IRRIGATION TIME CLOCK	8
9	**LIGHTING SOUTH 6TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 7TH**	10
11	**LIGHTING CENTER (EAST)**	L	20	1			1,625	1,135	1	20	L	**LIGHTING CENTER**	12
13	**LIGHTING CENTER**	L	20	1	1,825	1,260			1	20	R	**RECEPTACLES W 6TH**	14
15	**RECEPTACLES E 6TH**	R	20	1			1,260	1,260	1	20	R	**RECEPTACLES E 7TH**	16
17	**RECEPTACLES E 7TH**	R	20	1	720							SPACE	18
19	SPACE											SPACE	20
					TOTAL LOAD:		6,010 VA		TOTAL LOAD:			5,280 VA	
					TOTAL AMPS:		50.1 A		TOTAL AMPS:			44 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	11290
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	12987.5
RECEPTACLE (R)	4500.0	100.00%	4500.0	TOTAL CONN. (A):	47
LIGHTING (L)	6790.0	125.00%	8487.5	TOTAL EST. DEMAND (A):	54.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	27%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

J PANEL LC4 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 3

LOCATION: SOUTH 4TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	2
3	STREET LIGHTS	L	20	1					1	30	L	STREET LIGTHS	4
5	OUTLET BELOW	R	20	1					1	20	L	STREET LIGTHS	6
7	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	8
9	STREET LIGHTS	L	30	1					1	20	R	SPRINKLER/FOUNTAIN TIME CLOCK	10
11	FOUNTAIN	M	20	1			1,600	1,180	1	20	L	**LIGHTING SOUTH 3RD**	12
13	**LIGHTING SOUTH 4TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 5TH**	14
15	**LIGHTING CENTER**	L	20	1			1,335	1,080	1	20	R	**RECEPTACLES S CENTER**	16
17	**RECEPTACLES S CENTER**	R	20	1	1,260	900			1	20	R	**RECEPTACLES S CENTER**	18
19	SPACE											SPACE	20
					TOTAL LOAD:		4,365 VA					5,195 VA	
					TOTAL AMPS:		36.4 A					43.3 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	1600.0	125.00%	2000.0	TOTAL CONN. LOAD (VA):	9560
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11140
RECEPTACLE (R)	3240.0	100.00%	3240.0	TOTAL CONN. (A):	39.8
LIGHTING (L)	4720.0	125.00%	5900.0	TOTAL EST. DEMAND (A):	46.4
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	23%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

K PANEL LC3 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING) : LC B

LOCATION: NORTH 3RD ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	POWER PEDISTAL	R	100	2					1	30	L	N. 3RD STREET LIGHTS	2
3									1	30	L	LIGHTS	4
5	LIGHTS	L	30	1					1	30		EXISTING	6
7	LIBRARY PARKING LIGHTS	L	30	1					1	20		EXISTING	8
9	EXISTING		20	1					1	20		EXISTING	10
11	EXISTING		20	1					2	30		EXISTING	12
13			100	2									14
15	EXISTING							980	1	20	L	**LIGHTING CENTER ST**	16
17	**LIGHTING N 3RD**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 4TH**	18
19	**LIGHTING CENTER ST**	L	20	1			890	540	1	20	R	**RECEPTACLES W 3RD**	20
21	**RECEPTACLES E 3RD**	R	20	1	1,080	1,440			1	20	R	**RECEPTACLES E 3RD**	22
23	**POWER PEDISTAL**	R	100	2				204	1	20	L	**LIBRARY PARKING LIGHTS**	24
25												SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		4,970 VA		TOTAL LOAD:			2,614 VA	
					TOTAL AMPS:		41.4 A		TOTAL AMPS:			21.8 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	7584
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	8715
RECEPTACLE (R)	3060.0	100.00%	3060.0	TOTAL CONN. (A):	31.6
LIGHTING (L)	4524.0	125.00%	5655.0	TOTAL EST. DEMAND (A):	36.3
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	18%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

L PANEL LCB PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 2/A

LOCATION: SOUTH 2ND & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

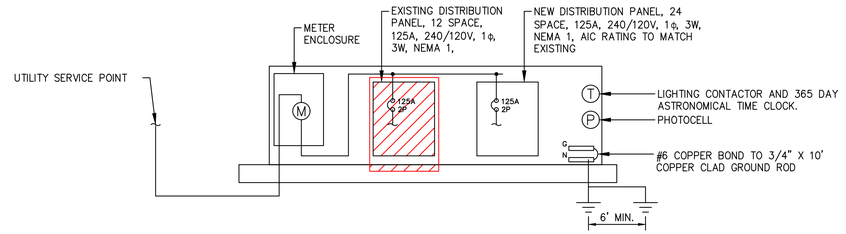
AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1		R	100	2					2	80	R		2
3	MAIN											PEDS. NORTH 2ND WEST SIDE	4
5	PED SOUTH 2ND	L	20	1					2	100	R		6
7	EAST WEST SIDE	L	20	1								PEDS NORTH 2ND CENTERE ST	8
9	PED SOUTH 2ND	L	20	1					1	20	L	STREET LIGHTS SOUTH WEST	10
11	EAST WEST	L	20	1					1	20	R	PHOTCELL BYPASS SWITCH	12
13	**LIGHTING SOUTH 2ND**	L	20	1	1,225	935			1	20	L	**LIGHTING SOUTH CENTRE**	14
15	**LIGHTING PARK**	L	20	1			729	1,129	1	20	L	**LIGHTING SOUTH 3RD**	16
17	**LIGHTING CENTRE**	L	20	1	1,129	1,225			1	20	L	**LIGHTING NORTH 2ND**	18
19	**LIGHTING NORTH CENTRE**	L	20	1			1,335	1,800	1	20	R	**RECEPTACLES S CENTER**	20
21	**RECEPTACLES N CENTER**	R	20	1	1,080	720			1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	22
23	**RECEPTACLES N CENTER (EAST OF 2ND)**	R	20	1			900	1,080	1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	24
25	**RECEPTACLES N CENTER**	R	20	1	900							SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		7,214 VA					6,973 VA	
					TOTAL AMPS:		60.1 A					58.1 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	14187
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	16113.75
RECEPTACLE (R)	6480.0	100.00%	6480.0	TOTAL CONN. (A):	59.1
LIGHTING (L)	7707.0	125.00%	9633.8	TOTAL EST. DEMAND (A):	67.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	67%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

M PANEL LC2/A PANEL SCHEDULE

SCALE: N.T.S.



N METER PEDESTAL SINGLE LINE DIAGRAM (PANEL LCC)

SCALE: N.T.S.

Panel Name	Existing Load (kW)	Removed Load (kW)	New Load (kW)	Total Load (kW)	Panel Capacity (kW)	Percent Loaded
Panel LCC	3.39	2.37	11.3	12.32	30	41%
Panel LC4	2.46	1.72	15.9	16.64	48	35%
Panel LC3	58.66	41.06	11.14	28.74	48	60%
Panel LCB	3.84	2.69	8.7	9.85	48	21%
Panel LC2A	1.67	1.17	16.11	16.61	48	35%

EXISTING LOADS WERE DETERMINED BASED ON THE PEAK ENERGY CONSUMPTION RECORDED DURING THE HIGHEST-USE MONTH IN THE BILLING HISTORY

O PANEL LOAD SUMMARY (ALL PANELS)

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.03

cyclone

Campana SN21P1
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

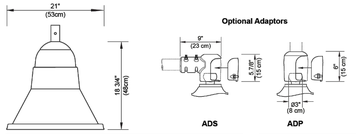
Ordering Code

Model	Lens	Distribution	Performance Package	CCT	Volts	Surge Protector
SN21P1	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 * Backward optic	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ACS	DIM 0-10 volts wire for external controls PND506 Program 50% for 6 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD* Field adjustable 10% increment step-dimming switch * Contact factory for wireless controls and more information regarding SD option.	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 0.78 ft² **Weight:** 23.6 lbs / 10.7 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 **www.cyclonelighting.com**
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2023 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2023/07

Q TYPE T2 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

cyclone

Campana CN55P1A
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

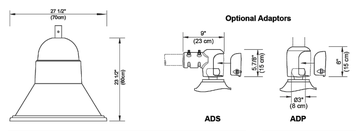
Ordering Code

Model	Lens	Distribution	Performance package	CCT	Volts	Surge protector
CN55P1A	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 TCW Crosswalk * Backward optic T3M81A	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm) P80 (17500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
– Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	– PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ADS	– DIM 0-10 volts wire for external controls PND506 Program 50% for 8 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD Field adjustable 10% increment step-dimming switch	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 1.25 ft² **Weight:** 55.3 lbs / 25.1 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 www.cyclonelighting.com
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2024 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2024/06

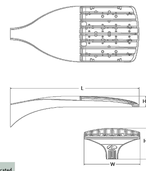
R TYPE T1 & T3 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

D-Series Size 1
LED Area Luminaire

dsx series

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Catalog Number
Notes
Type

Fill the Tab key or mouse over the page to see all interactive elements.

Introduction
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.
The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Design Select options indicated by this color background.

design select
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information
EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P6 P2 P7 P3 P8 P4 P9 P5 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare[2] T4M Type IV medium T4LG Type IV low glare[2] TFTM Forward throw medium T5M Type V medium T5G Type V low glare T5W Type V wide BLC3 Type III backlight control[3] BLC4 Type IV backlight control[3] LCCO Left corner cutoff[3] RCCO Right corner cutoff[3]	MVOLT (120V-277V)[4] HVOLT (347V-480V)[5,6] VHVOLT (277V-480V)[5,6] 120[4,36] 208[4,36] 240[4,36] 277[4,36] 347[4,36] 480[4,36]	**Shipped included** SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling[4] RPA5 Round pole mounting #5 drilling[4] SPA8N Square narrow pole mounting (#8 drilling) WBA Wall bracket[4] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options		Other options		Finish (required)	
Shipped installed		**Shipped installed**		DDBXD Dark Bronze	
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[7,11,35,37]	PER7 Seven-pin receptacle only (controls ordered separately)[8,37]	SPD20KV 20KV surge protection		DBLBD Black	
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[35,37]	FAO Field adjustable output[14,37]	HS Houseside shield (black finish standard)[37]		DNAXD Natural Aluminum	
PER NEMA twist-lock receptacle only (controls ordered separately)[8]	BL30 Bi-level switched dimming, 30%[9,37]	L90 Left rotated optics[1]		DWHXD White	
PERS Five-pin receptacle only (controls ordered separately)[8,37]	BL50 Bi-level switched dimming, 50%[9,37]	R90 Right rotated optics[1]		DDBTXD Textured dark bronze	
	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[37]	CCE Coastal Construction[35]		DBLBXD Textured black	
	DS Dual switching[10,11,37]	HA 50°C ambient operation[36]		DNATXD Textured natural aluminum	
		BAA Buy America(n) Act and/or Build America Buy America Qualified		DWHGXD Textured white	
		SF Single fuse (120, 277, 347V)[4]			
		DF Double fuse (208, 240, 480V)[4]			
		Shipped separately			
		EGSR External Glare Shield (reversible, field install required, matches housing finish)			
		BSDB Bird Spikes (field install required)			

LITHONIA LIGHTING
COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2011-2024 Acuity Brands Lighting, Inc. All rights reserved.

S TYPE T4 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

REVISIONS | DATE | BY | No.

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.05 January 08, 2025 10:46:53am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.06 January 08, 2025 10:47:05am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Panel LCC - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	15	120	1	0.11%	2
3	STA7014+73.40	2	13,336	NM	Copper	1	Set of	6	6.1	212	120	1	1.06%	3
4	STA7016+58.49	3	1,247	NM	Copper	1	Set of	6	4.066667	203	120	1	1.67%	4
5	STA7018+09.25	4	667	NM	Copper	1	Set of	6	2.033333	171	120	1	1.92%	5

Panel LCC - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.16667	340	120	1	1.67%	2
3	STA6015+06.01	2	1,308	NM	Copper	1	Set of	4	6.1	170	120	1	2.17%	3
4	STA6016+70.34	3	881	NM	Copper	1	Set of	6	4.066667	190	120	1	2.74%	4
5	STA6018+26.76	4	560	NM	Copper	1	Set of	6	2.033333	175	120	1	3.00%	5

Panel LCC - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA113+97.05	1	42,472	NM	Copper	1	Set of	4	8.316667	335	120	1	1.35%	2
3	STA113+38.13	2	1,327	NM	Copper	1	Set of	4	6.283333	108	120	1	1.67%	3
4	STA112+78.87	3	1,011	NM	Copper	1	Set of	6	4.25	185	120	1	2.25%	4
5	STA111+98.46	4	616	NM	Copper	1	Set of	6	2.216667	113	120	1	2.43%	5
6	STA5017+32.87	5	497	NM	Copper	1	Set of	6	2.033333	382	120	1	3.00%	6

Panel LCC - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	12.38333	53	120	1	0.48%	2
3	STA117+15.14	2	4,871	NM	Copper	1	Set of	6	6.283333	64	120	1	0.78%	3
4	STA117+98.92	3	2,354	NM	Copper	1	Set of	8	4.25	212	120	1	1.81%	4
5	STA118+30.81	4	642	NM	Copper	1	Set of	8	4.066667	160	120	1	2.56%	5
6	STA119+33.81	5	414	NM	Copper	1	Set of	8	2.033333	156	120	1	2.93%	6

Panel LCC - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 5	1	42,472	NM	Copper	1	Set of	8	10.5	179	120	1	2.16%	2
3	LCC RECEPTACLE 1	2	1,019	NM	Copper	1	Set of	10	3	119	120	1	2.82%	3
4	LCC RECEPTACLE 2	3	502	NM	Copper	1	Set of	10	1.5	29	120	1	2.90%	4

Panel LCC - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	10	9	52	120	1	0.86%	2
3	LCC PULL BOX 6	2	2,149	NM	Copper	1	Set of	10	4.5	104	120	1	1.72%	3
4	LCC RECEPTACLE 3	3	741	NM	Copper	1	Set of	10	3	25	120	1	1.85%	4
5	LCC RECEPTACLE 4	4	641	NM	Copper	1	Set of	10	1.5	49	120	1	1.99%	5

Panel LCC - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	234	120	1	1.54%	2
3	LCC RECEPTACLE 5	2	1,211	NM	Copper	1	Set of	10	4.5	116	120	1	2.50%	3
4	LCC RECEPTACLE 6	3	552	NM	Copper	1	Set of	10	3	39	120	1	2.72%	4
5	LCC RECEPTACLE 7	4	467	NM	Copper	1	Set of	10	1.5	32	120	1	2.80%	5

Panel LCC - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 8	1	42,472	NM	Copper	1	Set of	4	10.5	398	120	1	2.02%	2
3	LCC PULL BOX 9	2	1,123	NM	Copper	1	Set of	6	6	135	120	1	2.61%	3
4	LCC PULL BOX 10	3	739	NM	Copper	1	Set of	6	3	66	120	1	2.76%	4
5	LCC RECEPTACLE 8	4	633	NM	Copper	1	Set of	10	1.5	49	120	1	2.89%	5

T PANEL LCC VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LCB - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	8.133333	212	120	1	1.26%	2
3	LCB PULL BOX 2	2	1,332	NM	Copper	1	Set of	6	4.066667	99	120	1	1.56%	3
4	STA104+88.04	3	917	NM	Copper	1	Set of	6	2.033333	55	120	1	1.64%	4

Panel LCB - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.16667	19	120	1	0.14%	2
3	STA3015+16.35	2	11,274	NM	Copper	1	Set of	6	6.1	126	120	1	0.71%	3
4	STA3015+93.43	3	1,920	NM	Copper	1	Set of	6	4.066667	279	120	1	1.54%	4
5	STA3017+56.28	4	677	NM	Copper	1	Set of	6	2.033333	176	120	1	1.80%	5

Panel LCB - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	2	10.16667	454	120	1	1.46%	2
3	STA4016+04.97	8	835	NM	Copper	1	Set of	6	4.066667	88	120	1	2.20%	3
4	STA4017+66.55	3	667	NM	Copper	1	Set of	6	2.033333	177	120	1	2.47%	4
5	STA4015+16.88	2	1,540	NM	Copper	1	Set of	6	6.1	100	120	1	1.91%	5
6	STA4016+78.17	5	1,008	NM	Copper	1	Set of	6	4.066667	161	120	1	2.39%	6
7	STA4018+41.62	6	647	NM	Copper	1	Set of	6	2.033333	164	120	1	2.63%	7
8	P8 4TH STREET	2	1,540	NM	Copper	1	Set of	6	4.066667	160	120	1	1.94%	8

Panel LCB - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	4.433333	357	120	1	1.16%	2
3	LCB PULL BOX 4	2	801	NM	Copper	1	Set of	6	4.25	121	120	1	1.54%	3
4	LCB PULL BOX 6	3	601	NM	Copper	1	Set of	6	2.216667	40	120	1	1.60%	4
5	LCB PULL BOX 7	4	556	NM	Copper	1	Set of	6	0.183333	83	120	1	1.61%	5

Panel LCB - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE 1	1	42,472	NM	Copper	1	Set of	6	4.5	335	120	1	1.11%	2
3	LCB RECEPTACLE 2	2	853	NM	Copper	1	Set of	10	3	25	120	1	1.24%	3
4	LCB RECEPTACLE 3	3	722	NM	Copper	1	Set of	10	1.5	30	120	1	1.33%	4

Panel LCB - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 8	1	42,472	NM	Copper	1	Set of	6	9	270	120	1	1.78%	2
3	LCB PULL BOX 5	2	1,053	NM	Copper	1	Set of	6	1.5	115	120	1	1.91%	3

Panel LCB - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	4	12	445	120	1	2.58%	2
3	LCB PULL BOX 6	2	1,007	NM	Copper	1	Set of	4	7.5	34	120	1	2.70%	3
4	LCB RECEPTACLE 4	3	937	NM	Copper	1	Set of	6	3	91	120	1	2.90%	4
5	LCB RECEPTACLE 5	4	725	NM	Copper	1	Set of	10	1.5	20	120	1	2.96%	5
6	R1	3	937	NM	Copper	1	Set of	10	4.5	20	120	1	2.87%	6
7	R2	6	808	NM	Copper	1	Set of	10	3	16	120	1	2.96%	7
8	R3	7	728	NM	Copper	1	Set of	10	1.5	16	120	1	3.00%	8

Panel LCB - Circuit 23&25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE BOLLARD 1	1	42,472	NM	Copper	1	Set of	1	30	261	240	1	1.04%	2

Panel LCB - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 9	1	42,472	NM	Copper	1	Set of	6	1.7	102	120	1	0.13%	2
3	LCB LIGHT 1	2	2,679	NM	Copper	1	Set of	8	0.85	137	120	1	0.26%	3

U PANEL LCB VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC4- Circuit 9

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	8	10.16667	17	120	1	0.20%	2
3	STA6011+93.15	2	8,736	NM	Copper	1	Set of	8	6.1	105	120	1	0.94%	3
4	STA6010+44.34	3	1,479	NM	Copper	1	Set of	8	4.066667	170	120	1	1.73%	4
5	STA6009+63.82	4	631	NM	Copper	1	Set of	8	2.033333	101	120	1	1.97%	5

Panel LC4 - Circuit 10

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 1	1	42,472	NM	Copper	1	Set of	4	8.133333	377	120	1	1.48%	2
3	STA7012+89.95	2	1,184	NM	Copper	1	Set of	8	4.066667	204	120	1	2.44%	3
4	STA7010+75.45	3	517	NM	Copper	1	Set of	8	2.033333	227	120	1	2.97%	4

Panel LC4- Circuit 11

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.5	477	120	1	1.96%	2
3	LC4 PULL BOX 3	2	941	NM	Copper	1	Set of	4	6.283333	124	120	1	2.34%	3
4	STA118+61.55	3	750	NM	Copper	1	Set of	6	4.066667	120	120	1	2.69%	4
5	STA119+33.55	4	573	NM	Copper	1	Set of	6	2.033333	117	120	1	2.87%	5

Panel LC4 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	8	6.466667	220	120	1	1.64%	2
3	LC4 PULL BOX 5	2	833	NM	Copper	1	Set of	8	4.25	85	120	1	2.05%	3
4	STA116+16.09	3	604	NM	Copper	1	Set of	8	2.033333	124	120	1	2.34%	4

Panel LC4 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	6	10.71667	106	120	1	0.83%	2
3	LC4 PULL BOX 7	2	2,584	NM	Copper	1	Set of	6	8.5	140	120	1	1.71%	3
4	LC4 PULL BOX 8	3	1,153	NM	Copper	1	Set of	6	6.283333	86	120	1	2.10%	4
5	STA5013+17.45	4	861	NM	Copper	1	Set of	8	4.066667	84	120	1	2.49%	5
6	STA5011+58.93	5	621	NM	Copper	1	Set of	8	2.033333	175	120	1	2.90%	6

Panel LC4 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	8	10.5	108	120	1	1.30%	2
3	LC4 RECEPTACLE 1	2	1,663	NM	Copper	1	Set of	8	4.5	149	120	1	2.08%	3
4	LC4 PULL BOX 8	3	715	NM	Copper	1	Set of	10	3	95	120	1	2.60%	4

Panel LC4 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	10.5	214	120	1	1.65%	2
3	LC4 PULL BOX 5	2	1,320	NM	Copper	1	Set of	10	6	84	120	1	2.57%	3
4	LC4 RECEPTACLE 9	3	680	NM	Copper	1	Set of	10	1.5	121	120	1	2.90%	4

Panel LC4 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.5	480	120	1	2.44%	2
3	LC4 RECEPTACLE 6	2	935	NM	Copper	1	Set of	10	4.5	16	120	1	2.57%	3
4	LC4 RECEPTACLE 7	3	830	NM	Copper	1	Set of	10	3	47	120	1	2.83%	4
5	LC4 RECEPTACLE 8	4	623	NM	Copper	1	Set of	10	1.5	27	120	1	2.90%	5

Panel LC4 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 3	1	42,472	NM	Copper	1	Set of	4	6	618	120	1	1.79%	2
3	LC4 RECEPTACLE 3	2	730	NM	Copper	1	Set of	10	4.5	100	120	1	2.62%	3
4	LC4 RECEPTACLE 4	3	451	NM	Copper	1	Set of	10	3	34	120	1	2.80%	4
5	LC4 RECEPTACLE 5	4	399	NM	Copper	1	Set of	10	1.5	30	120	1	2.89%	5

Panel LC4 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	4	9	440	120	1	1.91%	2
3	LC4 RECEPTACLE 10	2	1,018	NM	Copper	1	Set of	10	6	20	120	1	2.13%	3
4	LC4 RECEPTACLE 11	3	868	NM	Copper	1	Set of	10	4.5	30	120	1	2.38%	4
5	LC4 RECEPTACLE 12	4	711	NM	Copper	1	Set of	10	3	31	120	1	2.55%	5
6	LC4 RECEPTACLE 13	5	599	NM	Copper	1	Set of	10	1.5	34	120	1	2.65%	6

Panel LC4 - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	2	12.2	440	120	1	1.70%	2
3	STA5015+33.99	2	1,587	NM	Copper	1	Set of	6	6.1	146	120	1	2.35%	3
4	STA5016+34.22	3	884	NM	Copper	1	Set of	6	4.066667	119	120	1	2.71%	4
5	STA5018+11.81	4	650	NM	Copper	1	Set of	6	2.033333	195	120	1	3.00%	5

Y PANEL LC4 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.06

Panel LC2A - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	12	120	1	0.09%	2
3	STA2012+27.34	2	15,457	NM	Copper	1	Set of	6	4.066667	270	120	1	0.88%	3
4	STA2010+41.29	3	1,009	NM	Copper	1	Set of	6	2.033333	197	120	1	1.19%	4

Panel LC2A - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.283333	89	120	1	0.41%	2
3	LC2A PULL BOX 3	2	3,042	NM	Copper	1	Set of	6	4.25	119	120	1	0.78%	3
4	LC2A PULL BOX 4	3	1,357	NM	Copper	1	Set of	6	4.066667	113	120	1	1.12%	4
5	STA100+16.77	4	889	NM	Copper	1	Set of	6	2.033333	52	120	1	1.20%	5

Panel LC2A - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	6.1	334	120	1	1.49%	2
3	LC2A PULL BOX 6	2	855	NM	Copper	1	Set of	6	4.066667	28	120	1	1.58%	3
4	STA100+93.57	3	791	NM	Copper	1	Set of	6	2.033333	28	120	1	1.62%	4

Panel LC2A - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	6.466667	323	120	1	1.53%	2
3	LC2A PULL BOX 8	2	884	NM	Copper	1	Set of	6	6.283333	80	120	1	1.90%	3
4	STA3012+76.00	3	711	NM	Copper	1	Set of	6	4.066667	105	120	1	2.21%	4
5	STA3010+73.28	4	566	NM	Copper	1	Set of	6	2.033333	218	120	1	2.54%	5

Panel LC2A - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.466667	86	120	1	0.41%	2
3	LC2A PULL BOX 9	2	3,140	NM	Copper	1	Set of	6	2.216667	155	120	1	0.66%	3
4	STA104+02.47	3	1,176	NM	Copper	1	Set of	6	0.183333	126	120	1	0.68%	4

Panel LC2A - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 10	1	42,472	NM	Copper	1	Set of	6	10.16667	167	120	1	1.25%	2
3	STA2014+97.22	2	1,677	NM	Copper	1	Set of	6	6.1	120	120	1	1.78%	3
4	STA2016+65.95	3	892	NM	Copper	1	Set of	6	4.066667	182	120	1	2.32%	4
5	STA2018+18.33	4	613	NM	Copper	1	Set of	6	2.033333	166	120	1	2.57%	5

Panel LC2A - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	6.65	133	120	1	0.65%	2
3	LC2A PULL BOX 12	2	2,085	NM	Copper	1	Set of	6	4.433333	128	120	1	1.06%	3
4	LC2A PULL BOX 13	3	1,089	NM	Copper	1	Set of	6	2.4	70	120	1	1.19%	4
5	LC2A PULL BOX 14	4	863	NM	Copper	1	Set of	6	2.216667	88	120	1	1.33%	5
6	STA100+29.48	5	685	NM	Copper	1	Set of	6	2.033333	25	120	1	1.37%	6

Panel LC2A - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	15	87	120	1	0.96%	2
3	LC2A PULL BOX 3	2	3,107	NM	Copper	1	Set of	6	9	116	120	1	1.72%	3
4	LC2A PULL BOX 4	3	1,389	NM	Copper	1	Set of	6	7.5	113	120	1	2.34%	4
5	LC2A RECEPTACLE 1	4	903	NM	Copper	1	Set of	10	3	15	120	1	2.43%	5
6	LC2A RECEPTACLE 2	5	810	NM	Copper	1	Set of	10	1.5	25	120	1	2.50%	6

Panel LC2A - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 13	1	42,472	NM	Copper	1	Set of	6	9	321	120	1	2.12%	2
3	LC2A RECEPTACLE 3	2	889	NM	Copper	1	Set of	10	3	95	120	1	2.64%	3
4	LC2A RECEPTACLE 4	3	518	NM	Copper	1	Set of	10	1.5	14	120	1	2.68%	4

Panel LC2A - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 15	1	42,472	NM	Copper	1	Set of	6	7.5	145	120	1	0.80%	2
3	LC2A PULL BOX 16	2	1,920	NM	Copper	1	Set of	6	4.5	118	120	1	1.19%	3
4	LC2A RECEPTACLE 5	3	1,081	NM	Copper	1	Set of	10	3	16	120	1	1.27%	4
5	LC2A RECEPTACLE 6	4	942	NM	Copper	1	Set of	10	1.5	36	120	1	1.37%	5

Panel LC2A - Circuit 23

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 17	1	42,472	NM	Copper	1	Set of	6	7.5	195	120	1	1.07%	2
3	LC2A PULL BOX 9	2	1,445	NM	Copper	1	Set of	10	6	49	120	1	1.61%	3
4	LC2A RECEPTACLE 7	3	902	NM	Copper	1	Set of	10	1.5	128	120	1	1.96%	4

Panel LC2A - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	318	120	1	2.10%	2
3	LC2A RECEPTACLE 8	2	898	NM	Copper	1	Set of	10	4.5	84	120	1	2.79%	3
4	LC2A RECEPTACLE 9	3	547	NM	Copper	1	Set of	10	3	24	120	1	2.92%	4
5	LC2A RECEPTACLE 10	4	492	NM	Copper	1	Set of	10	1.5	29	120	1	3.00%	5

Panel LC2A - Circuit 25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	7.5	133	120	1	0.73%	2
3	LC2A RECEPTACLE 11	2	2,085	NM	Copper	1	Set of	10	6	16	120	1	0.91%	3
4	LC2A RECEPTACLE 12	3	1,625	NM	Copper	1	Set of	10	4.5	22	120	1	1.09%	4
5	LC2A RECEPTACLE 13	4	1,246	NM	Copper	1	Set of	10	3	30	120	1	1.25%	5
6	LC2A RECEPTACLE 14	5	946	NM	Copper	1	Set of	10	1.5	34	120	1	1.33%	6

W PANEL LC1A VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC3 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.316667	297	120	1	1.19%	2
3	STA106+02.04	2	1,491	NM	Copper	1	Set of	6	6.1	114	120	1	1.70%	3
4	STA3011+79.48	3	942	NM	Copper	1	Set of	6	4.066667	204	120	1	2.31%	4
5	STA3009+82.00	4	568	NM	Copper	1	Set of	6	2.033333	217	120	1	2.64%	5

Panel LC3 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	10	120	1	0.07%	2
3	STA4013+13.27	2	17,290	NM	Copper	1	Set of	6	6.1	97	120	1	0.51%	3
4	STA4011+46.64	3	2,561	NM	Copper	1	Set of	6	4.066667	368	120	1	1.61%	4
5	STA4009+72.12	4	605	NM	Copper	1	Set of	6	2.033333	198	120	1	1.90%	5

Panel LC3 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA110+79.14	1	42,472	NM	Copper	1	Set of	4	8.133333	502	120	1	1.97%	2
3	STA5012+39.86	2	895	NM	Copper	1	Set of	4	6.1	190	120	1	2.53%	3
4	STA5010+81.80	3	653	NM	Copper	1	Set of	4	4.066667	170	120	1	2.87%	4
5	STA5009+72.63	4	526	NM	Copper	1	Set of	4	2.033333	130	120	1	3.00%	5

Panel LC3 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	6.65	145	120	1	0.71%	2
3	LC3 PULL BOX 4	2	1,920	NM	Copper	1	Set of	6	4.433333	85	120	1	0.98%	3
4	STA110+22.24	3	1,231	NM	Copper	1	Set of	6	0.366667	152	120	1	1.02%	4
5	STA110+74.43	4	750	NM	Copper	1	Set of	6	0.183333	142	120	1	1.04%	5

Panel LC3 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	9	289	120	1	1.91%	2
3	LC3 RECEPTACLE 1 ob	2	986	NM	Copper	1	Set of	6	1.5	109	120	1	2.03%	3
4	LC3 RECEPTACLE 1	3	720	NM	Copper	1	Set of	10	1.5	15	15	1	2.36%	4

Panel LC3 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.5	141	120	1	1.09%	2
3	LC3 PULL BOX 4	2	1,972	NM	Copper	1	Set of	6	6	84	120	1	1.46%	3
4	LC3 RECEPTACLE 2	3	1,258	NM	Copper	1	Set of	10	4.5	117	120	1	2.42%	4
5	LC3 RECEPTACLE 3	4	559	NM	Copper	1	Set of	10	3	26	120	1	2.56%	5
6	LC3 RECEPTACLE 4	5	498	NM	Copper	1	Set of	10	1.5	37	120	1	2.67%	6

Panel LC3 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 5	1	42,472	NM	Copper	1	Set of	4	9	304	120	1	1.32%	2
3	LC3 RECEPTACLE 5	2	1,458	NM	Copper	1	Set of	6	6	165	120	1	2.05%	3
4	LC3 RECEPTACLE 6	3	799	NM	Copper	1	Set of	10	4.5	28	120	1	2.28%	4
5	LC3 RECEPTACLE 7	4	671	NM	Copper	1	Set of	10	1.5	19	120	1	2.33%	5

X PANEL LC3 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

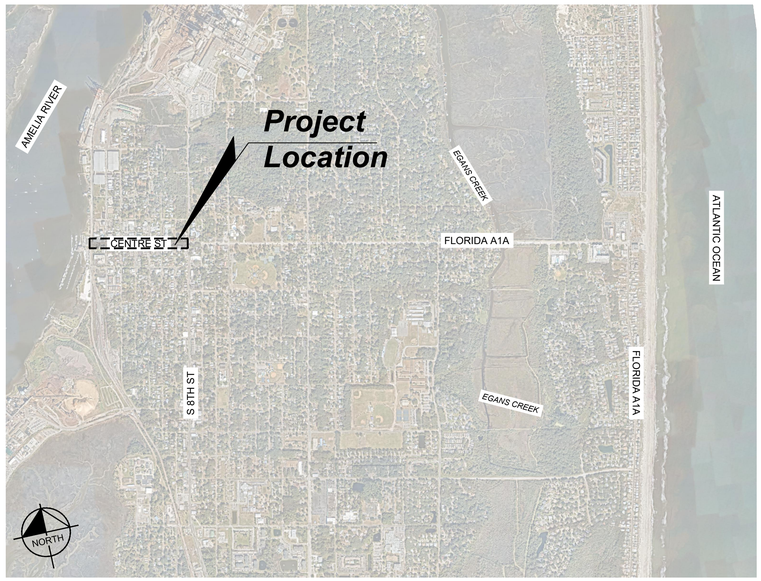
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.07 January 08, 2025 10:47:13am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

STREETSCAPE PLANS
HARDSCAPE, PLANTING, IRRIGATION
FOR
CITY OF FERNANDINA BEACH - FLORIDA
PHASE I - CENTRE STREET

JANUARY 8TH, 2025



VICINITY MAP
NOT TO SCALE

LANDSCAPE ARCHITECT:
MATTHEW A. JURNEY, PLA
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 420-4779

CIVIL ENGINEER:
BRIAN DEITSCH, PE.
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 828-3936

TOPOGRAPHIC SURVEYOR:
MICHAEL A. MANZIE, PLS.
117 SOUTH NINTH STREET
FERNANDINA BEACH, FLORIDA 32034
PHONE (904) 491-5700

ELECTRICAL ENGINEER:
PETER SYNTAX, PE
KIMLEY-HORN AND ASSOCIATES, INC.
1661 E CAMELBACK RD #400
PHEONIX, ARIZONA
PHONE: (602) 291-9521

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

COVER SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.00 January 08, 2025 10:23:39am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C0.00_COVER SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY INDEX TABLE	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY

BRIAN S. DEITSCH LICENSE No. 77073 STATE OF FLORIDA PROFESSIONAL ENGINEER

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
BRIAN S. DEITSCH No. 77073

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BRIAN S. DEITSCH, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

INDEX OF SHEETS	
Sheet Number	Sheet Title
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN

REGISTERED LANDSCAPE ARCHITECT MATTHEW A. JURNEY LA6666993 STATE OF FLORIDA

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
MATTHEW A. JURNEY, PLA No. LA6666993

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MATTHEW A. JURNEY, PLA ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 6110.11.010 F.A.C..

INDEX OF SHEETS	
Sheet Number	Sheet Title
C0.00	COVER SHEET
C0.01	SIGNATURE SHEET
C0.02	GENERAL NOTES
C0.03	STORM WATER POLLUTION PREVENTION DETAILS
C0.04	KEY MAP
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C2.50	TREE DISPOSITION NOTES AND DETAILS
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
H1.01	HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
H1.08	HARDSCAPE PLAN SCHEDULES
H1.50	HARDSCAPE DETAILS
H1.51	HARDSCAPE DETAILS
H1.52	HARDSCAPE DETAILS
H1.53	HARDSCAPE DETAILS
H1.54	HARDSCAPE DETAILS

L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L1.08	PLANTING SCHEDULE
L1.50	PLANTING NOTES
L1.51	PLANTING DETAILS
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN
L2.08	IRRIGATION SCHEDULES
L2.50	IRRIGATION NOTES
L2.51	IRRIGATION DETAILS
L2.52	IRRIGATION DETAILS

PETER M. SYNTAX LICENSE No. 74259 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/28/2025

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
PETER SYNTAX No. 74259

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PETER SYNTAX ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

LIGHTING PLANS	
Sheet Number	Sheet Title
E1.00	GENERAL NOTES
E1.01	LIGHTING PLAN
E1.02	LIGHTING PLAN
E1.03	LIGHTING PLAN
E1.04	LIGHTING PLAN
E1.05	LIGHTING PLAN
E1.06	LIGHTING PLAN
E1.07	LIGHTING PLAN
E2.01	LIGHTING PLAN
E2.02	LIGHTING PLAN
E2.03	LIGHTING PLAN
E2.04	LIGHTING PLAN
E2.05	LIGHTING PLAN
E2.06	LIGHTING PLAN
E2.07	LIGHTING PLAN
E2.08	LIGHTING PLAN
E2.09	LIGHTING PLAN
E2.10	LIGHTING PLAN
E2.11	LIGHTING PLAN
E2.12	LIGHTING PLAN
E3.01	LIGHTING DETAILS
E3.02	LIGHTING DETAILS
E3.03	LIGHTING PANEL SCHEDULES
E3.04	LIGHTING DETAILS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

SIGNATURE SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.01

Plotted By:Zlegmont Charles Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.01 January 08, 2025 11:26:51am K:\JAX_LALP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CADD\Plan Sheets\C0.01 SIGNATURE SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY

SHEET NUMBER: S0.05

MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY

SOUTH FIFTH STREET
(60-FOOT RIGHT-OF-WAY)

SOUTH SIXTH STREET
(60-FOOT RIGHT-OF-WAY)

ASH STREET
(60-FOOT RIGHT-OF-WAY)

CENTRE STREET
(80-FOOT RIGHT-OF-WAY)
"AKA ATLANTIC AVENUE"

BLOCK 24

BLOCK 29

BLOCK 37

(2)12" DIAMETER ROUND COLUMN

SITE BENCHMARK #4
NAIL & DISK "MANZIE LB 7039"
SET IN WOOD POWER POLE
ELEVATION = 16.17' N.A.V.D. 1988
FIELD BOOK = X-551, PAGE 9

#500 #501 #503A #503B #503C #530 #516

ADDITIONAL PROJECT ELEVATIONS
ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

MANZIE & DRAKE LAND SURVEYING
MANZIE & DRAKE LAND SURVEYING, INC.

GRAPHIC SCALE
0 50 100 200 400
1 INCH = 100 FEET

POINT	LAYER NAME	DESCRIPTION
+(15.83)	= POINTS-TOPO-OCT2024-ALCOVE ELEV	ELEVATION IN ALCOVE
+(15.92)	= POINTS-TOPO-OCT2024-BRICK STAMPED CONC ELEV	ELEVATION ON BRICK DESIGN STAMPED CONCRETE
+(15.74)	= POINTS-TOPO-OCT2024-PEBBLE WALK ELEV	ELEVATION ON PEBBLE-ROCK FLATWORK
+(12.78)	= POINTS-TOPO-OCT2024-ASPHALT ELEV	ELEVATION ON ASPHALT
+(17.67)	= POINTS-TOPO-OCT2024-BRICK ELEV	ELEVATION ON BRICK FLATWORK (NOT STAMPED CONCRETE)
+(17.69)	= POINTS-TOPO-OCT2024-HEX STAMPED CONC ELEV	ELEVATION ON HEX STAMPED CONCRETE FLATWORK
+(8.28)	= POINTS-TOPO-OCT2024-CONC ELEV	ELEVATION ON CONCRETE FLATWORK (NO STAMPING)
+(9.85)	= POINTS-TOPO-OCT2024-BRICK WALL ELEV (TOP)	ELEVATION ON BRICK WALL (TOP OF WALL)
+(10.37)	= POINTS-TOPO-OCT2024-ROUND COLUMN ELEV (TOP)	ELEVATION ON 12" ROUND COLUMN (TOP OF COLUMN)
+(6.96)	= POINTS-TOPO-OCT2024-COPING WALL ELEV (TOP)	ELEVATION ON COPING WALL (TOP OF WALL)
+(15.31)	= POINTS-TOPO-OCT2024-GRANITE CURB ELEV (TOP)	ELEVATION ON BACK OF GRANITE CURB (TOP OF CURB)
+(9.53)	= POINTS-TOPO-OCT2024-HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH-BACK CURB" (TOP OF CURB)

SHEET BREAKDOWN
SCALE = 1" = 500

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491-5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 8 OF 14

"OUR *SIGHTS* ARE ON THE FUTURE, SET YOUR *SITES* ON US."

SCALE: 1"=20' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD
F.B. NO: X-385 PAGE NO: 1-10 CREW: SS FILE NO: C-1272

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITIES AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AND/OR CODES.

2. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE DESIGN PROFESSIONAL AT THE TIME OF THE TOPOGRAPHIC SURVEY. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR DESIGN PROFESSIONAL WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, LICENSES, AND BONDS AS REQUIRED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL OBTAIN COPIES OF AND FAMILIARIZE HIMSELF AND HIS SUBCONTRACTORS WITH THE PERMIT CONDITIONS OF ALL OWNER OBTAINED PERMITS FOR THE WORK.

5. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE DESIGN PROFESSIONAL.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER/DESIGN PROFESSIONAL PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER/DESIGN PROFESSIONAL OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

8. ACCESS TO BUSINESSES AND BUILDING ACCESS POINTS SHALL BE MAINTAINED TO THE GREATEST EXTENT PRACTICAL. WHEN ACCESS CANNOT BE MAINTAINED, THE TIME OF NON-ACCESS SHALL BE MINIMIZED AND CLOSELY COORDINATED WITH THE PROPERTY OWNER.

9. ANY DAMAGE TO PRIVATE PROPERTY MADE BY THE CONTRACTOR SHALL BE PROMPTLY REPAIRED TO AN EQUAL OR BETTER CONDITION AS IT WAS BEFORE COMMENCEMENT OF THE WORK.

10. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.

11. WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL HOLD AND PROTECT POLE DURING CONSTRUCTION AT THE CONTRACTORS EXPENSE.

DEMOLITION NOTES:

1. REFER TO THE EXISTING CONDITION SHEET FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, PIPES, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO REMAIN OR RELOCATED. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.

2. THE CONTRACTOR SHALL REFER TO THE PLANS FOR DEMOLITION/PRESERVATION OF EXISTING TREES AND LANDSCAPING. ALL TREES AND LANDSCAPING NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE/LANDSCAPING PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.

3. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS 30 DAYS IN ADVANCE TO RELOCATION LANDSCAPING IN CONFLICT WITH THE WORK. LANDSCAPE IN CONFLICT, LEFT IN PLACE, SHALL BE REMOVED AND REPLACED BY CONTRACTOR (IN RIGHT-OF-WAY ONLY) UNLESS OTHERWISE NOTED.

4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

5. ALL ELEVATION MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

6. CONTRACTOR SHALL EXERCISE CAUTION WHILE REMOVING AND/OR RELOCATING EXISTING SIGNS IN ORDER TO PREVENT ANY UNNECESSARY DAMAGE TO THE SIGNS. SIGNS WHICH ARE DAMAGED BEYOND USE AS DETERMINED BY THE ENGINEER SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

PAVING, GRADING, AND DRAINAGE NOTES:

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH STANDARDS APPLICABLE TO PUBLIC RIGHTS-OF-WAY STANDARDS AND EASEMENTS WITHIN THE CITY OF FERNANDINA BEACH OR FDOT SPECIFICATIONS AND STANDARDS (2017-18) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.

2. ALL ELEVATIONS SHOWN REFER TO NAVD 1988.

3. CONSTRUCT CURBING IN ACCORDANCE WITH PROJECT DETAILS AS APPLICABLE.

4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL.

10. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AND AS INDICATED ON THE DRAWINGS.

11. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH SPECIFICATIONS, THE LOCAL JURISDICTIONAL AGENCY, OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

16. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.

WATER AND SEWER UTILITY NOTES:

1. CONTRACTOR SHALL COORDINATE WITH CITY OF FERNANDINA BEACH UTILITY DEPARTMENT PRIOR TO CONSTRUCTION. IF THE UTILITY DEPARTMENT ELECTS TO REPLACE WATER/SEWER SERVICE LINES DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE STREETSCAPE IMPROVEMENTS WITH THE CITY'S UTILITY REPLACEMENTS.

2. WATER SERVICES AND SANITARY SERVICES SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION. THE FIRE MARSHALL MUST BE NOTIFIED IN ADVANCE OF ANY INTERRUPTION TO FIRE SERVICES.

3. WATER METERS FOUND TO BE IN CONFLICT WITH THE PROPOSED CURBING SHALL BE RELOCATED. ALL WATER METER RELOCATIONS SHALL BE APPROVED BY THE CITY OF FERNANDINA BEACH PRIOR TO THE CONTRACTOR PROCEEDING WITH THE RELOCATION.

4. ALL WATER METER COVERS ON PROJECT TO BE REPLACED. WATER METER BOX COVERS FOR THIS PROJECT SHALL BE AS FOLLOWS:
   1. CDR 15" X 17" TIER 8 BY HUBBELL OR APPROVED EQUAL (DUAL METERS)
   2. QUAZITE 11" X 18" TIER 8 BY HUBBELL OR APPROVED EQUAL (1" METER)

5. WATER METER COVERS SHALL BE SKID RESISTANT AND BE STAINED TO MATCH PROPOSED PAVERS AND/OR CONCRETE

SIGNING AND MARKING NOTES:

1. CONTRACTOR TO STORE AND PROTECT ANY EXISTING PLACARDS AND REUSE WHEREVER POSSIBLE ON NEW SIGN POSTS. ALL NEW SIGNS FURNISHED FOR THIS PROJECT TO BE DIAMOND GRADE. NEW SIGN POSTS FOUNDATIONS AND BREAKAWAY SLIP BASE SHALL CONFORM TO FDOT STANDARD INDEX 11860. SIGN POST MATERIAL AND COLOR TO BE COORDINATED WITH THE CITY OF FERNANDINA BEACH.

2. SIGNAGE ON PRIVATE PROPERTY IS TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED.

3. SIGN PLACEMENT FOR STOP SIGN SHOULD BE IN ACCORDANCE WITH FIGURE 2A-1. OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). HEIGHTS AND LATERAL LOCATION OF STOP SIGNS REFER TO SECTION 2A.16 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

4. SIGN PLACEMENT SHALL CONFORM TO FDOT STANDARD INDEX 17302.

5. PARKING SIGNS WITH DIRECTION ARROWS SHALL BE INSTALLED AT AN ANGLE OF NOT LESS THAN 30° BUT NOT MORE THAN 45° WITH THE LINE OF TRAFFIC FLOW.

EROSION CONTROL NOTES:

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THESE EROSION CONTROL NOTES, THE STANDARD DETAILS, ATTACHMENTS INCLUDED IN SPECIFICATIONS, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

2. CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF INTENT TO USE THE CITY'S NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AS REQUIRED PRIOR TO THE START OF WORK.

3. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

4. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

5. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.

6. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.

7. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

8. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO WATERS OF THE STATE.

11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.

12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.

13. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

14. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE AND AT THE CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE PROJECT.

16. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

17. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

18. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.

19. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

EROSION CONTROL MAINTENANCE:

ALL MEASURES STATED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

3. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

4. TEMPORARY PARKING AND STORAGE AREAS SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

5. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

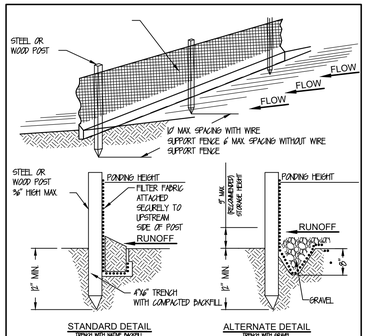
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

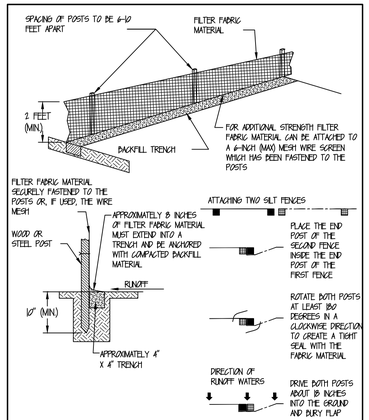
SHEET NUMBER
C0.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.02 January 08, 2025 10:26:18am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

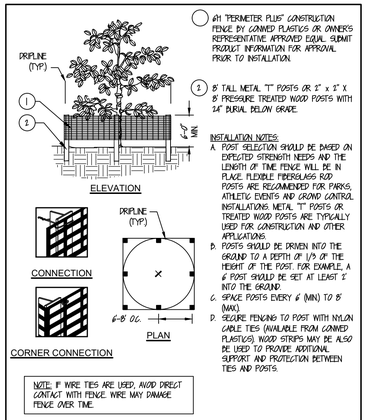


NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
1. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED
2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL



SILT FENCE INSTALLATION DETAIL

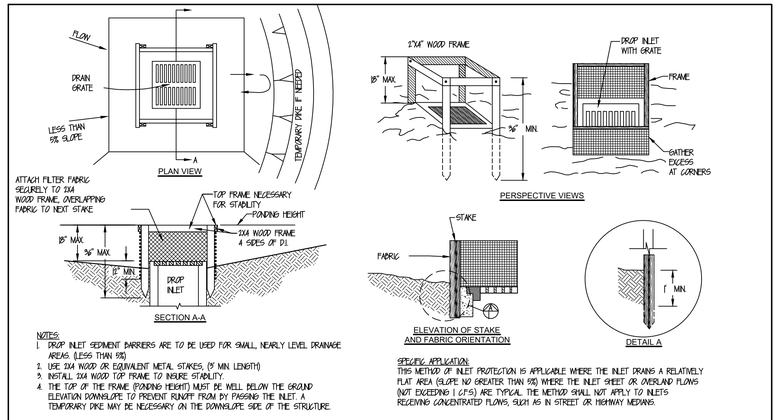


1. #11 "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:
A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
C. SPACE POSTS EVERY 6' (MIN) TO 8' (MAX).
D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

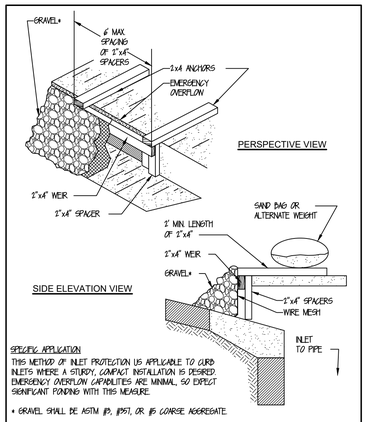
TREE BARRICADE



NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%)
2. USE 2X4 WOOD OR EQUIVALENT METAL STAKES, (3' MIN LENGTH)
3. INSTALL 2X4 WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

SPECIFIC APPLICATION:
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

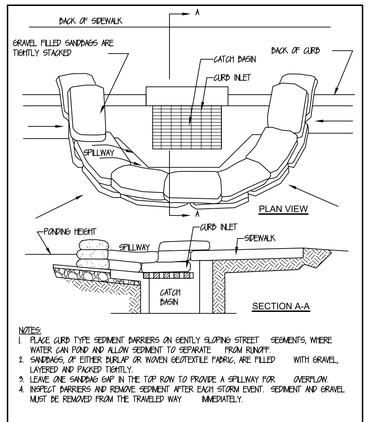
FILTER FABRIC DROP INLET SEDIMENT BARRIER



SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE TO CURB INLETS WHERE A STURDY, COMPACT INSTALLATION IS DESIRED. EMERGENCY OVERFLOW CAPABILITIES ARE MINIMAL, SO EXPECT SIGNIFICANT PONDING WITH THIS MEASURE.

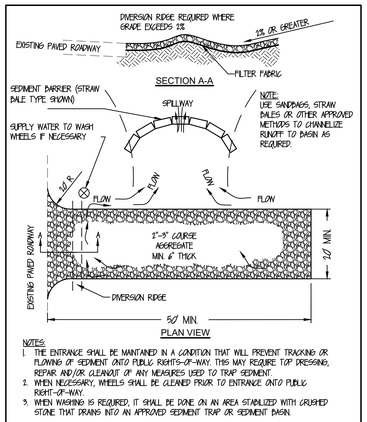
* GRAVEL SHALL BE ASTM #3, #357, OR #5 COARSE AGGREGATE.

GRAVEL CURB INLET SEDIMENT FILTER WITH OVERFLOW WEIR



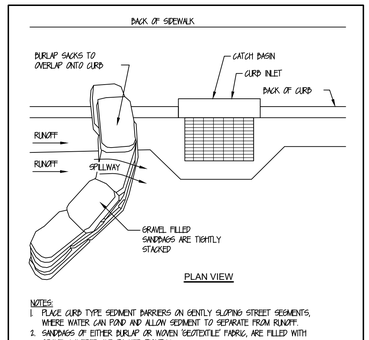
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB INLET SEDIMENT BARRIER



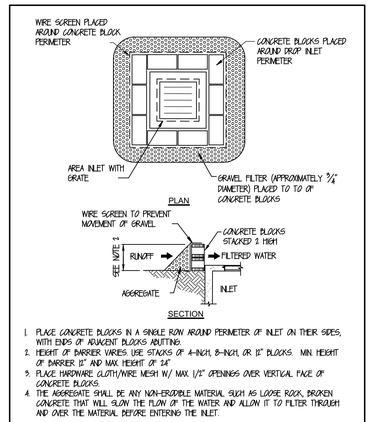
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



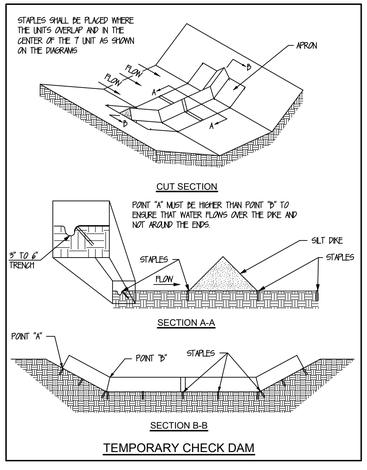
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB AND GUTTER SEDIMENT BARRIER

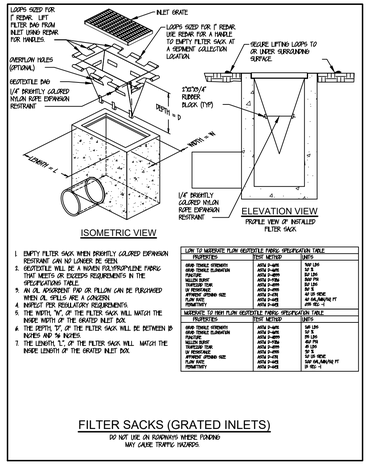


1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN HEIGHT OF BARRIER 12" AND MAX HEIGHT OF 24"
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE AGGREGATE SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

BLOCK AND AGGREGATE INLET SEDIMENT DEVISE



TEMPORARY CHECK DAM



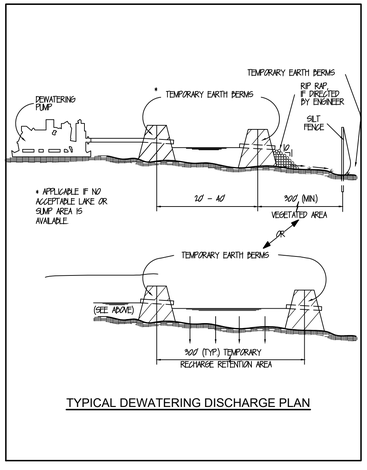
1. EMPTY FILTER SACK WHEN BRIGHTLY COLORED EMBARGO RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. AN OIL ABSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK WILL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH "D", OF THE FILTER SACK WILL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK WILL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	160 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	15 %
MULLEN BURST	ASTM D-3786	300 LBS
TRAPEZOID TEAR	ASTM D-4533	60 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	150 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.0 SEC-1

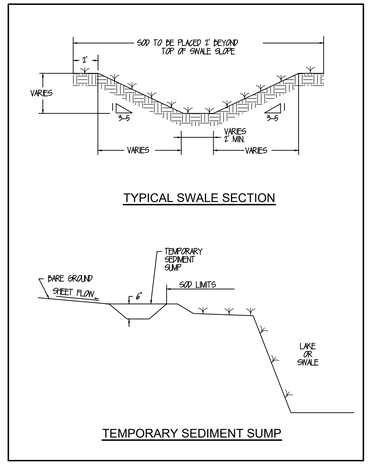
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	249 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	50 %
MULLEN BURST	ASTM D-3786	390 PSI
TRAPEZOID TEAR	ASTM D-4533	90 LBS
UV RESISTANCE	ASTM D-4355	70 %
APPARENT OPENING SIZE	ASTM D-4751	30 US SIEVE
FLOW RATE	ASTM D-4491	224 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.8 SEC-1

FILTER SACKS (GRATED INLETS)

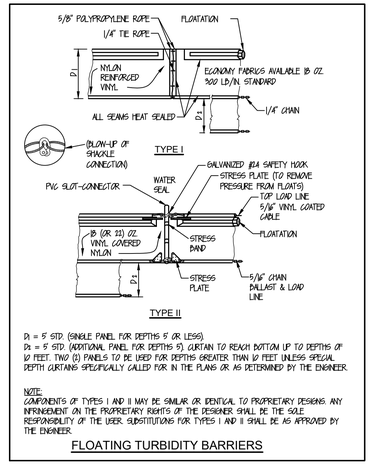
DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.



TYPICAL DEWATERING DISCHARGE PLAN



TEMPORARY SEDIMENT SUMP



D1 = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D2 = 9' STD. (ADDITIONAL PANEL FOR DEPTHS 5'). CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTE:
COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DESIGNED BY:	CHECKED BY:
142806005	KHA	MAJ
DATE: 01/08/2025	DRAWN BY: NL	
SCALE: AS SHOWN		

STORM WATER POLLUTION PREVENTION DETAILS

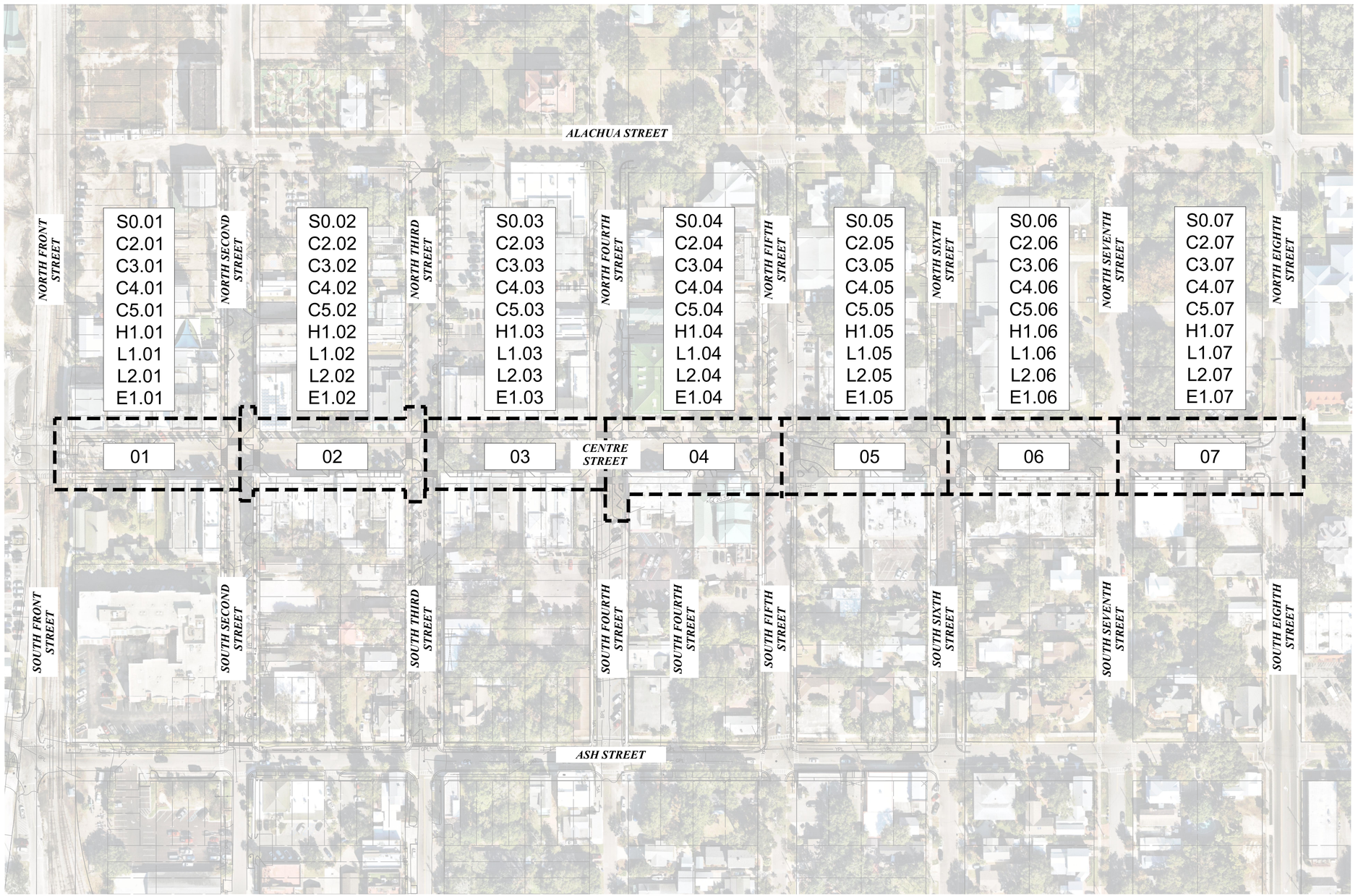
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER C0.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.03 January 08, 2025 10:26:20am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

INDEX OF SHEETS	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN
H1.01	OVERALL HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	
DRAWN BY: NL	
CHECKED BY: MAJ	

KEY MAP

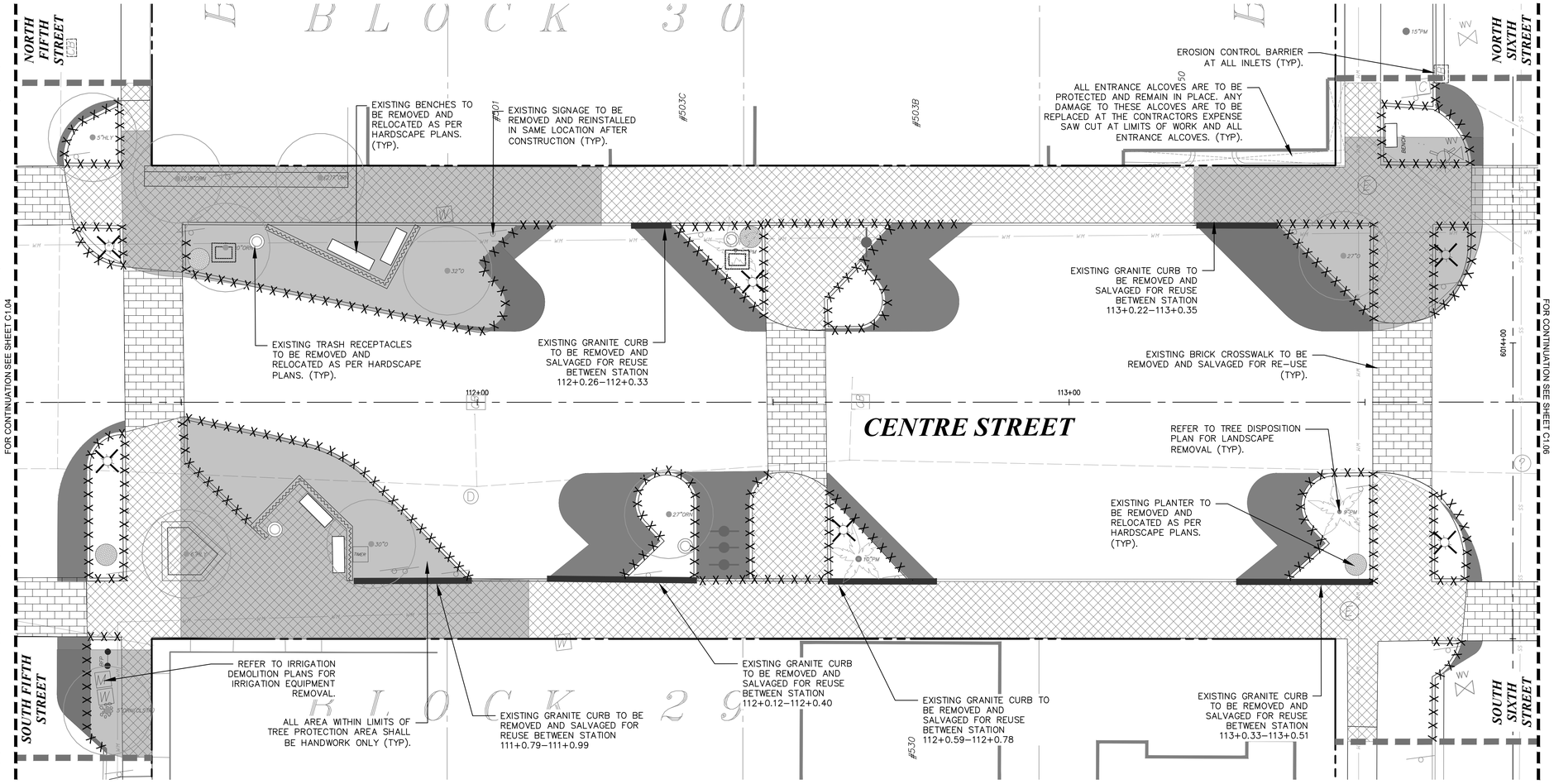
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.04

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.04 January 08, 2025 11:19:59am K:\JAX_LAP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\C0.04 KEY MAP.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

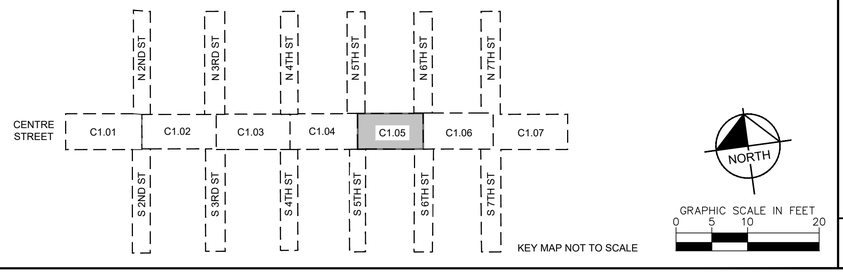
TREE LEGEND

	EXISTING TREE TO REMAIN
	EXISTING PALM TO REMAIN
	OFF-SITE TREE TO REMAIN

DEMOLITION LEGEND

	EXISTING ELECTRICAL OUTLET
	EXISTING TREE GRATE TO BE REMOVED
	EXISTING LIGHT POLE TO BE REMOVED
	EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
	EXISTING PLANTER TO BE REMOVED AND RELOCATED
	EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
X X X X	EXISTING CONCRETE CURB TO BE REMOVED
	EXISTING SEAT WALL TO BE REMOVED
	EXISTING BENCH TO BE REMOVED AND RELOCATED
	EXISTING CONCRETE TO BE REMOVED
	EXISTING ASPHALT TO BE REMOVED
	TREE PROTECTION AREA (HANDWORK ONLY)
	EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE–USE
	EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
	EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE–USE
	EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
	EROSION CONTROL BARRIER
	EXISTING TREE
	EXISTING OFF–SITE TREE
	EXISTING PALM TREE
	EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

DEMOLITION PLAN

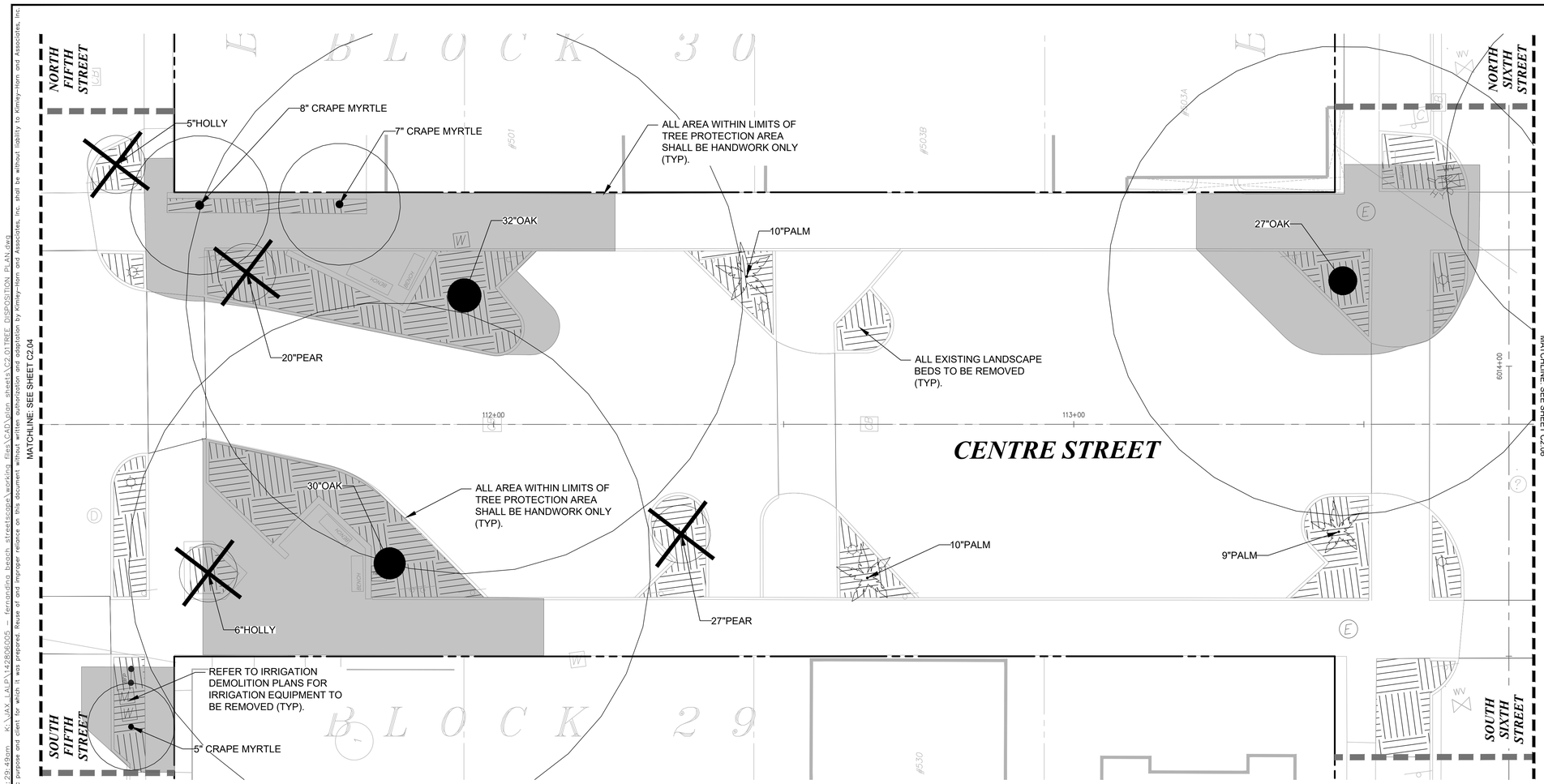
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C1.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C1.05 January 08, 2025 10:55:38am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

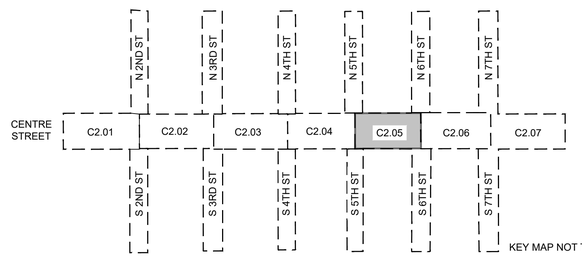


LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

TREE LEGEND

	EXISTING TREE TO REMAIN
	EXISTING PALM TO REMAIN
	OFF-SITE TREE TO REMAIN
	TREE TO BE REMOVED



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C2.05 January 08, 2025 10:29:49am K:\JAX\LALP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.50 January 08, 2025 10:30:00am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TREE MITIGATION SPECIFICATIONS

A. GENERAL

1. CONTRACTOR SHALL ADHEAR TO ALL TREE PROTECTION REQUIREMENTS LISTED IN THESE SPECIFICATIONS AND/OR THOSE LISTED IN THE CITY OR COUNTY ZONING CODE, TREE PROTECTION (LATEST EDITION), WHICHEVER IS MORE STRINGENT SHALL APPLY.
2. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PROCEDURES WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
3. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATION MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE.
4. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED FROM THIS PROHIBITION.
5. EXISTING TREE LOCATIONS AND SIZES ARE ESTIMATES AND ARE BASED ON A SURVEY PROVIDED BY THE OWNER SELECTED SURVEYOR.
6. CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH PERMITTING AGENCY AND PROJECT ARBORIST PRIOR TO CONSTRUCTION. NO PERSON MAY REMOVE OR CAUSE TO BE REMOVED ANY PROTECTED TREE OR PALM WITHOUT FIRST HAVING PROCURED A PERMIT AS PROVIDED BY THE APPROPRIATE PERMITTING AGENCY.
7. FOR PROTECTED TREES OR PALMS BEING REMOVED, THE CONTRACTOR MUST GIVE THE PERMITTING AGENCY REASONABLE OPPORTUNITY TO RELOCATE TREES DESIGNATED FOR REMOVAL TO ANOTHER SITE AT THE PERMITTING AGENCY'S EXPENSE.
8. CONTRACTOR IS RESPONSIBLE FOR POSSESSING ALL REQUIRED APPLICATOR LICENSES, BUSINESS REGISTRATIONS AND INSURANCE, PESTICIDE LABELS, AND MATERIAL DATA SAFETY SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING ALL SPILL CONTAINMENT MATERIALS AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR PESTICIDE APPLICATIONS AND ACCIDENTAL SPILLS ON SITE AT ALL TIMES. THE OWNER RESERVES THE RIGHT TO INSPECT EACH APPLICATOR AND HAVE THESE MATERIALS PRESENTED BEFORE AND DURING ANY PESTICIDE TREATMENT.
9. WHERE TRAFFIC AREAS ARE PROPOSED WITHIN THE DRIP LINE OF PROTECTED TREES AND LESS THAN FOUR (4) INCHES OF GRADE CHANGE ARE PROPOSED, PERMEABLE SURFACES THAT ALLOW AIR AND WATER INTO THE SOIL SHOULD BE USED IN LIEU OF ASPHALT OR OTHER SUCH IMPERVIOUS SURFACES.
10. TREE WELLS OF AN APPROVED DESIGN SHALL BE CONSTRUCTED AROUND ALL TREES TO BE PRESERVED WHEN MORE THAN FOUR INCHES OF FILL IS TO BE DEPOSITED WITHIN THE DRIP LINE AREA OF THOSE TREES. COORDINATE WITH PROJECT ARBORIST.
11. THE SEQUENCE OF TREE MITIGATION AND PRESERVATION MEASURES IS IMPERATIVE TO THE HEALTH AND SURVIVABILITY OF THE SUBJECT TREES AND SHALL BE COORDINATED WITH THE OWNER SELECTED PROJECT ARBORIST. THE DESIRED SEQUENCE IS OUTLINED BELOW:
    a. TREE PROTECTION FENCING.
    b. ROOT PRUNING AND ROOT BARRIERS.
    c. CLEARING.
    d. TREE CANOPY PRUNING.
    e. FERTILIZATION.
    f. INSECTICIDE.
    g. IRRIGATION.

B. TREE PROTECTION FENCING

1. PRIOR TO THE ERECTION OF ANY TREE PROTECTION FENCING, ALL FOREIGN SURFACE MATERIAL, TRASH OR DEBRIS SHALL BE REMOVED FROM THE AREA TO BE ENCLOSED BY THE FENCING. AFTER ERECTION OF THE FENCING NO SUCH MATERIAL OR LITTER SHALL BE PERMITTED TO REMAIN WITHIN THE PROTECTED AREA.
2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL PROTECTED TREES TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING, LAND ALTERATION, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
3. NATIVE GROUND COVER AND UNDERSTORY VEGETATION EXISTING WITHIN THE PROTECTED AREA SHALL REMAIN THROUGHOUT CONSTRUCTION. OTHER DESIGNATED VEGETATION AND INVASIVE PLANT SPECIES SHALL BE REMOVED ONLY BY MANUAL LABOR UTILIZING HAND TOOLS, OR BY OTHER METHODS APPROVED BY THE PROJECT ARBORIST.
4. TREE PROTECTION FENCING TYPES AND LOCATIONS SHALL BE ERECTED AS SHOWN ON THE TREE MITIGATION PLANS AND DETAILS, OR AS REQUESTED BY LOCAL AGENCY.
5. FINAL LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ARBORIST.
6. NO MATERIALS, EQUIPMENT, SPOIL, WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED, OR PARKED WITHIN 20 FEET OF THE TREE PROTECTION ZONE.
7. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE.
8. CONSTRUCTION ACTIVITY SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
9. DO NOT INSTALL CONDUIT, DRAIN OR IRRIGATION LINES, OR ANY UTILITY LINE WITHIN THE TREE PROTECTION ZONE WITHOUT THE APPROVAL OF THE PROJECT ARBORIST. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
10. CONTRACTOR'S ACCESS TO FENCED TREE PROTECTION AREAS WILL BE PERMITTED ONLY WITH APPROVAL OF THE PROJECT ARBORIST.
11. EXCAVATION OR GRADING REQUIRED WITHIN THE PROTECTED AREA SHALL BE LIMITED TO THREE (3) INCHES OF CUT OR FILL. COORDINATE WITH PROJECT ARBORIST.
12. STRUCTURES AND UNDERGROUND FEATURES TO BE REMOVED WITHIN THE TREE PROTECTION ZONE SHALL BE COORDINATED WITH THE PROJECT ARBORIST.
13. TREE PROTECTION FENCING AROUND TREES TO BE RELOCATED SHALL BE ERECTED UNTIL THE TREE IS READY TO BE RELOCATED AND NEW FENCING SHALL BE ERECTED AT THE TREES NEW LOCATION AND WILL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE.
14. IF ANY DAMAGE TO TREE PROTECTION FENCING SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIRS.
15. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE PROTECTED AREA OF TREES TO BE PRESERVED, A ROAD BED OF SIX (6) INCHES OF MULCH OR GRAVEL SHALL BE CREATED TO PROTECT THE SOIL. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A SIX (6) INCH ROAD BED AT ALL TIMES. CONTRACTOR SHALL REMOVE ALL SUCH MATERIALS FROM THE SITE AS SOON AS TEMPORARY ACCESS IS NO LONGER NECESSARY.
16. CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST PRIOR TO THE REMOVAL OF ALL TREE PROTECTION FENCING.

C. ROOT PRUNING/TRENCHING

1. TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE PROJECT ARBORIST.
2. TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE PROJECT ARBORIST. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
5. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

D. CLEARING

1. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH HAND-OPERATED EQUIPMENT.
2. CONTRACTOR SHALL CLEAR ALL TREE PROTECTION AREAS OF VINES, SHRUBS, GROUND COVERS, WEEDS, SAPLINGS, AND INVASIVES LISTED ON THE LATEST EDITION OF THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE SPECIES.
3. PROJECT ARBORIST MUST APPROVE METHODS OTHER THAN HAND CLEARING.
4. A TWO (2) INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES DURING THE SITE CLEARING PHASE.

E. TREE CANOPY PRUNING

TREE PRUNING SPECIFICATIONS SHALL BE DEFINED BASED ON SPECIFIC RECOMMENDATIONS OF THE PROJECT ARBORIST. INFORMATION PRESENTED BELOW SHOULD BE USED AS A GUIDELINE.

1. CONTRACTOR SHALL VISIT THE SITE WITH THE PROJECT ARBORIST TO VERIFY THE EXTENT OF REQUIRED PRUNING.
2. ALL PRUNING SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST OR AN AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA) REGISTERED CONSULTING ARBORIST (RCA).
3. AT LEAST ONE MEMBER OF THE PRUNING CREW SHALL BE AN ISA CERTIFIED ARBORIST.
4. WHILE IN THE TREE, THE ARBORIST SHALL PERFORM AN AERIAL INSPECTION TO IDENTIFY DEFECTS THAT REQUIRE TREATMENT. ANY ADDITIONAL WORK NEEDED SHALL BE REPORTED TO THE OWNER.
5. PRUNING CUTS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI A300 PRUNING STANDARD (AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS) AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI Z133.1 SAFETY STANDARD. PRUNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ISA'S "BEST MANAGEMENT PRACTICES: TREE PRUNING".
6. WHERE TEMPORARY CLEARANCE IS NEEDED FOR ACCESS, BRANCHES SHALL BE TIED BACK TO HOLD THEM OUT OF THE CLEARANCE ZONE.
7. NO MORE THAN 20 PERCENT OF LIVE FOLIAGE SHALL BE REMOVED WITHIN ANY TREE.
8. ALL TREES WITHIN THE PROJECT AREA SHALL BE PRUNED AS FOLLOWS:
    a. LIVE BRANCH PRUNING SHOULD BE PERFORMED ONLY WHEN THE DANGER OF INSECT OR DISEASE INFESTATION IS NOT PRESENT.
    b. REMOVE STUBS, CUTTING OUTSIDE THE WOUND WOOD TISSUE THAT HAS FORMED AROUND THE BRANCH.
    c. CLEANING, FOR THE SELECTIVE REMOVAL OF DEAD, DISEASED, BROKEN, OR CROSSING BRANCHES DOWN TO ONE INCH IN DIAMETER OR AS DIRECTED BY THE PROJECT ARBORIST.
    d. PRUNING CUTS LARGER THAN 4 INCHES IN DIAMETER, EXCEPT FOR DEAD WOOD, SHALL BE AVOIDED.
    e. PRUNING CUTS THAT EXPOSE HEARTWOOD SHALL BE AVOIDED WHENEVER POSSIBLE.
    f. ALL TREES WITH CROWNS THAT PROJECT INTO PARKING LOT/ROADWAY AREAS SHALL BE RAISED TO 14 FEET ABOVE FINISHED GRADE.
    g. ALL TREES WITH CROWNS THAT PROJECT INTO SIDEWALK AREAS SHALL BE RAISED TO A HEIGHT OF 8 FEET ABOVE FINISHED GRADE.
9. TREES, WHO'S ROOT SYSTEMS WILL BE IMPACTED SHALL RECEIVE THE FOLLOWING PRUNING TO COMPENSATE FOR ROOT LOSS:
    a. THE LOCATION AND SIZE OF BRANCHES FOR REDUCTION SHALL BE DEFINED BY THE PROJECT ARBORIST.
    b. REDUCTION, OR THE SELECTIVE PRUNING TO REDUCE TREE HEIGHT OR SPREAD.
    c. REDUCE END WEIGHT ON HEAVY, HORIZONTAL BRANCHES BY SELECTIVELY REMOVING SMALL DIAMETER BRANCHES, NO GREATER THAN 2 TO 3 INCHES, NEAR THE ENDS OF SCAFFOLD BRANCHES.
    d. RAISING SHALL CONSIST OF SELECTIVE PRUNING TO PROVIDE VERTICAL CLEARANCE.
10. PROPOSED/REPLACEMENT TREES
    a. PRUNING SHALL BE LIMITED TO CLEANING.
11. BRUSH SHALL BE CHIPPED AND SPREAD (ONLY WHEN DISEASE OR INSECT INFESTATION IS NOT PRESENT) UNDERNEATH TREES WITHIN THE TREE PROTECTION ZONE TO A MAXIMUM DEPTH OF THREE (3) INCHES, LEAVING THE TRUNK CLEAR OF MULCH.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS DEBRIS ON A DAILY BASIS.

F. FERTILIZATION

1. CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
2. EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
3. ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
4. TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
    a. MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
    b. MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER. AGITATE MIX.
    c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
    d. THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
    e. FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
    f. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.

G. INSECTICIDE

7. NOTIFY PROJECT ARBORIST IF ANY INFESTATION IS NOTICED.
8. FOLLOW PROJECT ARBORIST'S RECOMMENDED PROCEDURES.
9. FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS CONCERNING APPLICATION. READ ALL WARNING LABELS.
10. ANY PETS, AS WELL AS, THE PETS FOOD AND WATER BOWLS SHOULD BE REMOVED FROM THE AREA AND ANY SWIMMING POOLS SHOULD BE COVERED. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
11. ENSURE COMPLETE COVERAGE AND REAPPLY 2-3 MONTHS AFTER INITIAL APPLICATION UTILIZING SAME PROCEDURE.

H. IRRIGATION

1. EVERY EFFORT SHALL BE MADE TO WATER THE PRESERVED TREES AND TRANSPLANTS. CONTRACTOR SHALL IRRIGATE BY HAND OR BY TEMPORARY IRRIGATION.
2. IRRIGATE AS REQUIRED BY PROJECT ARBORIST UNTIL PERMANENT IRRIGATION IS INSTALLED AND OPERATING.
3. UNDERGROUND IRRIGATION SHALL NOT BE INSTALLED WITHIN THE DRIP LINES OF EXISTING TREES UNLESS ROOT PROTECTION MEASURES ARE PROVIDED AND APPROVED BY PROJECT ARBORIST.

I. TREE REMOVALS

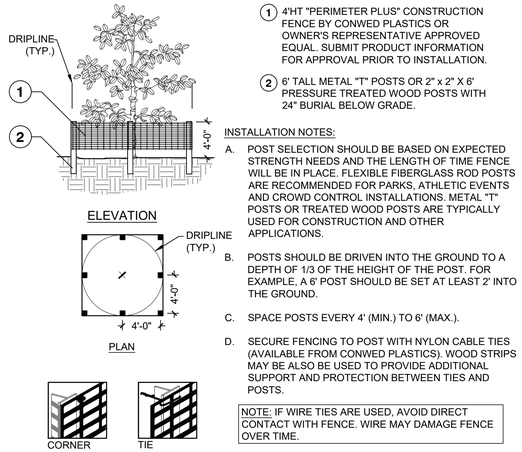
1. PRIOR TO AND DURING LAND CLEARING, INCLUDING GRUBBING, ALL TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY PROJECT ARBORIST WITH RED SURVEY RIBBONS AT 36 INCHES MINIMUM ABOVE GRADE.
2. CONTRACTOR SHALL REMOVE ALL TREES AS SHOWN ON THE TREE MITIGATION PLANS AFTER THE TREE PROTECTION FENCING IS INSTALLED.
3. ALL TREES SHOWN TO BE REMOVED SHALL BE FELLED WITH A CHAIN SAW AND STUMP GROUND 6" BELOW SURFACE. ANY TREE SHOWN TO BE REMOVED THAT IS IN AN AREA WHERE COMPACTION IS CRITICAL SHALL BE FELLED WITH A CHAIN SAW AND STUMP REMOVED BY CONTRACTOR.
4. ALL WOOD AND STUMPS FROM REMOVALS SHALL BE HAULED FROM THE SITE THE SAME DAY, EXCEPT FOR TOPS. ALL TOPS ARE TO BE MULCHED AND STOCKPILED OR HAULED DIRECTLY TO MULCHED AREAS FOR RELOCATED TREES IF SCHEDULING PERMITS. TOPS SHALL BE CHIPPED AND PLACED IN THE TREE PROTECTION ZONE TO A DEPTH OF THREE (3) INCHES. ALL EXCESS WOOD CHIPS SHOULD BE HAULED OFF SITE AFTER TRANSPLANTING IS COMPLETE.
5. ALL BURN PITS IF APPLICABLE MUST BE APPROVED BY THE PROJECT ARBORIST AND OWNER.
6. TREES TO BE REMOVED THAT HAVE BRANCHES EXTENDING INTO THE CANOPY OF TREES TO REMAIN MUST BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST AND NOT BY DEMOLITION OR CONSTRUCTION CONTRACTORS. THE QUALIFIED ARBORIST SHALL REMOVE THE TREE IN A MANNER THAT CAUSES NO DAMAGE TO THE TREES AND UNDERSTORY VEGETATION TO REMAIN.
7. TREES TO BE REMOVED LOCATED WITHIN THE TREE PROTECTION ZONE SHALL BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST. THE TREES SHALL BE CUT NEAR GROUND LEVEL AND THE STUMP GROUND OUT.

J. TOPSOIL

8. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
9. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.
10. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE (1) INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.
11. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR (4) INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.
12. PROJECT ARBORIST SHALL APPROVE ALL TOPSOIL PRIOR TO PLACEMENT.

K. REPAIR OF DAMAGED TREES

1. IF DAMAGE TO ANY TREE SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE DURING THE CONSTRUCTION PERIOD, THE PROJECT ARBORIST SHALL APPRAISE THE DAMAGE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPAIR BY THE CONTRACTOR.
2. IF ANY TREE DESIGNATED TO BE SAVED IS REMOVED FROM THE SITE WITHOUT PERMISSION OF THE OWNER'S REPRESENTATIVE, THE PROJECT ARBORIST SHALL APPRAISE THE TREE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE TREE AND ANY FEES THAT MAY BE ASSESSED TO THE OWNER BY THE GOVERNING AGENCY.



1. 4'HT "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 6' TALL METAL "T" POSTS OR 2" x 2" X 6' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 4' (MIN.) TO 6' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

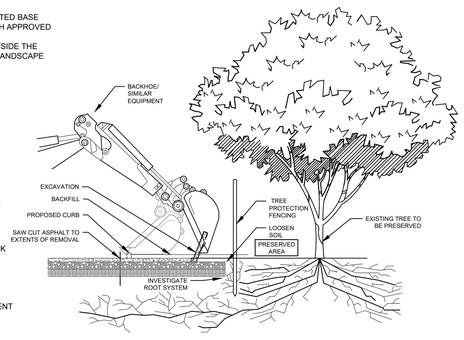
NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

1 TREE PROTECTION FENCING

NTS JAX-FG-12

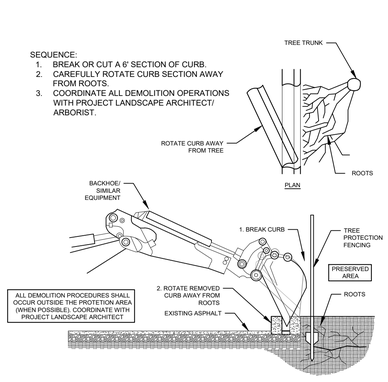
NOTES:
CONTRACTOR TO REMOVE ASPHALT AND ASSOCIATED BASE MATERIAL TO EXISTING SOIL DEPTH. BACKFILL WITH APPROVED SOIL MIXTURE.
ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST PRIOR TO DEMOLITION.

SEQUENCE:
1. INSTALL PROTECTION FENCE.
2. SAW-CUT A LINEAR SECTION OF ASPHALT.
3. CAREFULLY EXCAVATE PAVING TO SUB-GRADE BY PEELING BACK ASPHALT.
4. INVESTIGATE TO DETERMINE EXTENT OF ROOT SYSTEM.
a. NO ROOT GROWTH- EXCAVATE FROM BACK OF CURB TO EXTENT OF PROPERTY IMPROVEMENTS.
b. ROOT GROWTH- ROOT PRUNE PER PLAN.
c. INSTALL A 20 MIL ROOT BARRIER AT ROOT PRUNE LINE. LOOSEN SOIL WITH HAND TOOLS OR AIR-SPADE THROUGHOUT EXTENT OF EXPANDED PLANTING AREA.



PAVEMENT DEMOLITION PROCEDURE

SEQUENCE:
1. BREAK OR CUT A 6' SECTION OF CURB.
2. CAREFULLY ROTATE CURB SECTION AWAY FROM ROOTS.
3. COORDINATE ALL DEMOLITION OPERATIONS WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST.



CURB DEMOLITION PROCEDURE

2 / C3.50 PAVEMENT DEMOLITION PROCEDURE

NTS JAX-FE-FBH-16

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

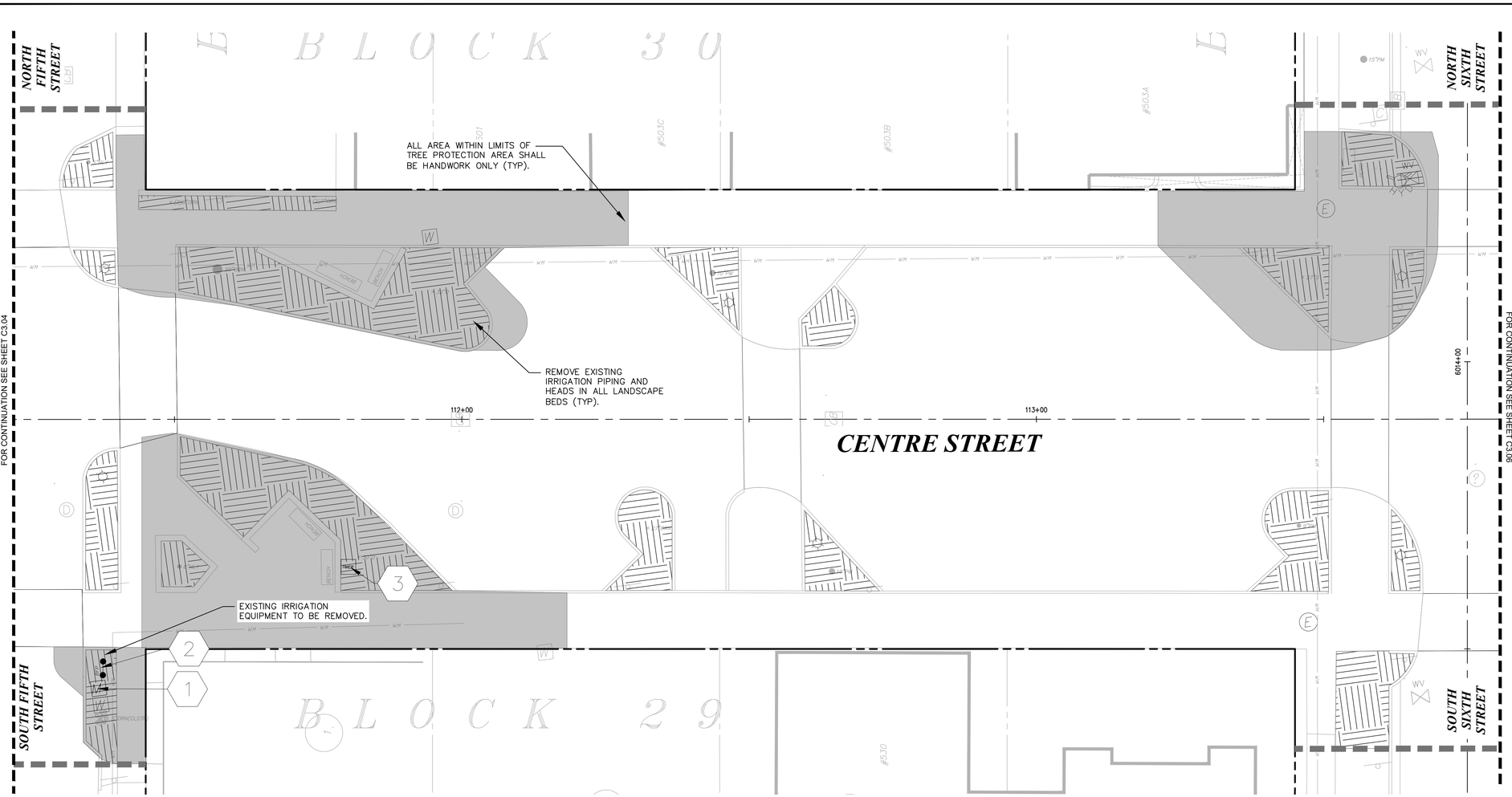
FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005	DESIGNED BY: KHA
DATE 01/08/2025	DRAWN BY: NL
SCALE: AS SHOWN	CHECKED BY: MAJ

TREE DISPOSITION NOTES & DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.50



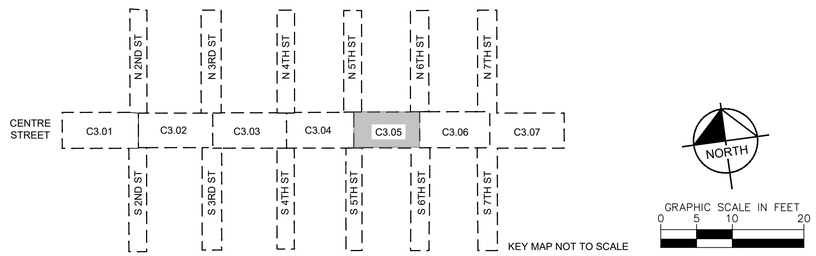
LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

IRRIGATION DEMOLITION LEGEND

	EXISTING TREE PROTECTION AREA (CRITICAL ROOT ZONE AREAS MUST BE DONE BY HAND).
	EXISTING IRRIGATION EQUIPMENT IN LANDSCAPE BED TO BE REMOVED
1 M	EXISTING WATER METER TO BE REMOVED
2 BFP	EXISTING BACKFLOW PREVENTER TO BE REMOVED
3 TIMER	EXISTING IRRIGATION CONTROLLER TO BE REMOVED

NOTES:
1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

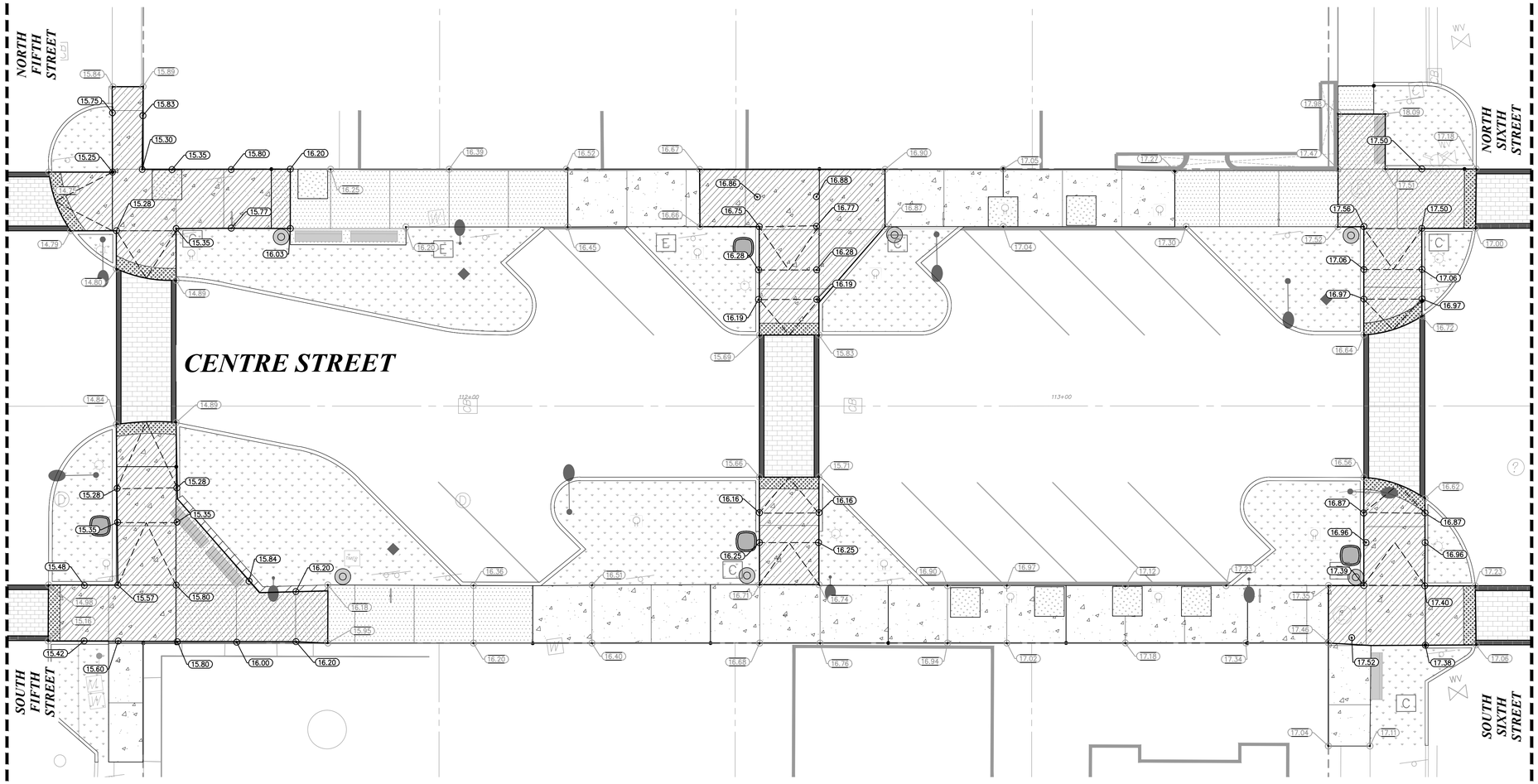
IRRIGATION DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C3.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C3.05 January 08, 2025 10:31:16am K:\JAX\LALP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
D	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	CRZ
DRAWN BY:	CRZ
CHECKED BY:	BSD

GRADING AND DRAINAGE PLAN

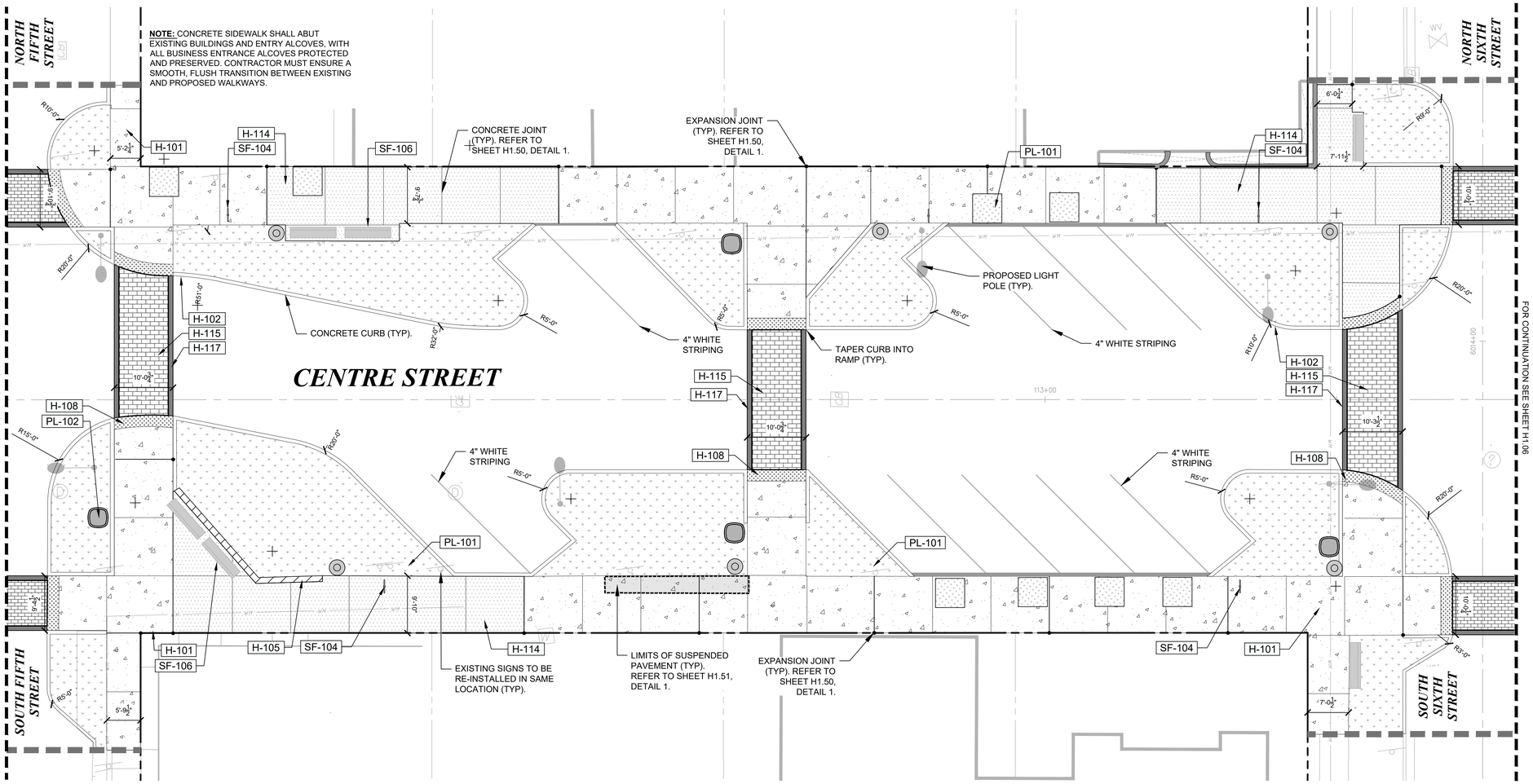
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C5.05

Plotted By:Zieqmont, Charles Sheet Set:########################## Layout:C5.05 January 08, 2025 09:42:59am K:\JAX_LAL\P\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CAD\Plan Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



HARDSCAPE SCHEDULE - H1.05

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	4,237 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,607 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	66 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	204 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	209 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	99 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,938 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	1,012 SF	
	H-117	CONCRETE BAND - CROSSWALKS	450 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,374 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	6	4/H1.53

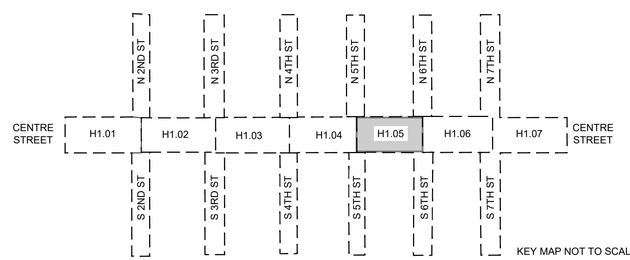
* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

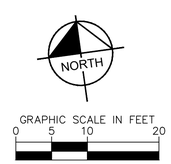
NOTE:

CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.





No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER H1.05

Plotted By: Fuchs, Zach Sheet: Sat-FERNANDINA BEACH STREETSCAPE Layout: H1.05 January 08, 2025 10:32:54am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL HARDSCAPE SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	33,041 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	10,222 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	534 LF	2/H1.53
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	1,448 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	2,129 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	1,329 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	490 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	8,919 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	5,149 SF	
	H-117	CONCRETE BAND - CROSSWALKS	2,702 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	21,284 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	17	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	26	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	36	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	46	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	8	

HARDSCAPE SCHEDULE - H1.01

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,825 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,127 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	49 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	219 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	243 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	228 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	891 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	580 SF	
	H-117	CONCRETE BAND - CROSSWALKS	365 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,474 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	2	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	5	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.02

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	7,242 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,940 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	194 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	273 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	160 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	194 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,698 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	989 SF	
	H-117	CONCRETE BAND - CROSSWALKS	390 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,161 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	17	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	4	

HARDSCAPE SCHEDULE - H1.03

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,451 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,520 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	141 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	218 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	310 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	141 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,150 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	759 SF	
	H-117	CONCRETE BAND - CROSSWALKS	493 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,929 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	11	4/H1.53

HARDSCAPE SCHEDULE - H1.04

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,892 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,810 LF	3/H1.52
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	222 SF	1/H1.54
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	468 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	448 LF	4/H1.52
	H-115	BRICK CROSS WALK - PROPOSED	885 SF	
	H-117	CONCRETE BAND - CROSSWALKS	410 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	3,080 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	5	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - REINSTALLED & TO REMAIN IN PLACE	7	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.05

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	4,237 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,607 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	66 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	204 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	209 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	99 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,938 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	1,012 SF	
	H-117	CONCRETE BAND - CROSSWALKS	450 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,374 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	6	4/H1.53

HARDSCAPE SCHEDULE - H1.06

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,609 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,138 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	190 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	646 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,623 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	732 SF	
	H-117	CONCRETE BAND - CROSSWALKS	467 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,595 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.07

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,785 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	954 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	121 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	309 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	74 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	619 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	192 SF	
	H-117	CONCRETE BAND - CROSSWALKS	127 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,321 SF	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	2	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

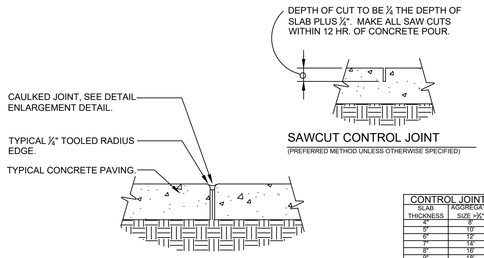
HARDSCAPE PLAN SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.08 January 08, 2025 10:33:47am K:\JAX_LAP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

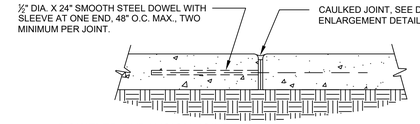


CAULKED EXPANSION JOINT

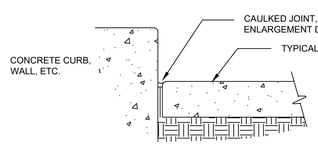
SAWCUT CONTROL JOINT

(PREFERRED METHOD UNLESS OTHERWISE SPECIFIED)

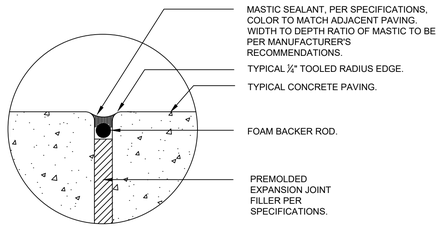
CONTROL JOINT SPACING		
SLAB THICKNESS	AGGREGATE SIZE >¾"	AGGREGATE SIZE <¾"
4"	8'	10'
5"	10'	13'
6"	12'	15'
7"	14'	18'
8"	16'	20'
9"	18'	23'
10"	20'	25'



DOWELED EXPANSION JOINT



CONCRETE PAVING AT VERTICLE PLANE

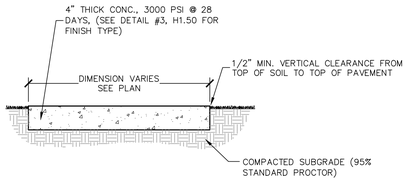


ENLARGED TYPICAL CAULKED JOINT

1 TYPICAL CONCRETE JOINT DETAILS

NTS: SCALE

JAX-FE-14



CEMENT: ASTM C150/C150M, TYPE I - NORMAL PORTLAND TYPE, AQUIRE CEMENT FOR ENTIRE PROJECT FROM SAME SOURCE.

SAND: LOCALLY AVAILABLE SAND

AGGREGATE: COQUINA MAX. ¾", AQCUIRE AGGREGATE FOR ENTIRE PROJECT FROM SAME SOURCE.

CURING COMPOUND: INTENT IS FOR TEXTURE TO MATCH CONCRETE SIDEWALK AT WATERFRONT PARK. ADD MIXTURES:

- HIGH RANGE WATER REDUCING AND RETARING ADMIXTURE: ASTM C494.C494M TYPE G.
- HIGH RANGE WATER REDUCING ADMIXTURE: ASTM C494/C494M TYPE F.
- DO NOT USE CHEMICAL THAT WILL RESULT IN SOLUBLE CHLORIDE IONS IN EXCESS OF 0.1 PERCENT BY WEIGHT OF CEMENT.

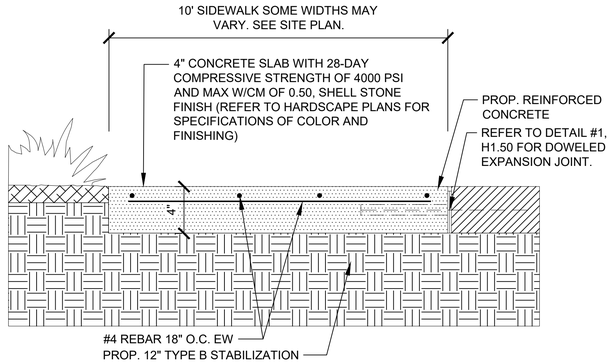
1. A PRE JOB CONFERENCE IS RECOMMENDED BETWEEN OWNER, ENGINEER, LANDSCAPE ARCHITECT, READY-MIX REPRESENTATIVE, AND INSTALLER TO DISCUSS PROJECT APPLICATION AND REVIEW SUBMITTALS.
2. ALL CONCRETE MUST BE BATCHED FROM THE SAME LOCATION.
3. A 10'X10' MOCKUP MUST BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE, SHOWING SHELL STONE (OR ALTERNATIVE) FINISH TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. MOCKUP LOCATION TO BE OFF-SITE AT A LOCATION MUTUALLY AGREED-UPON BY THE CONTRACTOR AND OWNER.
4. PRECAUTIONS MUST BE TAKEN IN HOT WEATHER TO PREVENT PLASTIC CRACKING RESULTING FROM EXCESSIVELY RAPID DRYING AT SURFACE AS DESCRIBED IN CIP 5"PLASTIC SHRINKAGE CRACKING" PUBLISHED BY THE NATIONAL READY MIXED CONCRETE ASSOCIATION.

FINISH:
A. SHELL STONE FINISH

2 CONCRETE SIDEWALK FINISHES

NTS

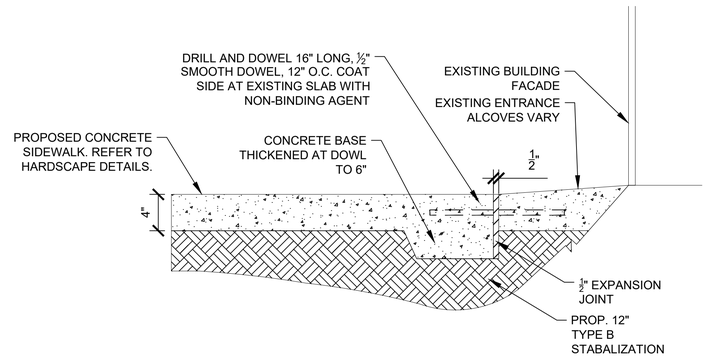
JAX-FE-FBH-15



3 DECORATIVE CONCRETE TREATMENT

6" = 1'-0"

JAX-FE-FBH-34



PRODUCT: SCOFIELD INTEGRAL COLOR SG
MANUFACTURER: SIKA

237 SAND BUFF
237 CORONADO BUFF
447 PRAIRIE BEIGE
447 SCHOONER BEIGE
FINISH: SHELL STONE
SEE HARDSCAPE PLANS FOR SPECIFIC PLACEMENT

CONTRACTOR TO COORDINATE WITH THE PROJECT LANDSCAPE ARCHITECT AND CITY OF FERNANDINA BEACH REPRESENTATIVE FOR FINAL COLOR SELECTION. PROVIDE 6'X6' MOCKUP FOR EACH COLOR OPTION WITH SHELLSTONE TEXTURED FINISH.

4 CENTRE STREET SIDEWALK INTEGRAL COLOR OPTIONS

1" = 10'

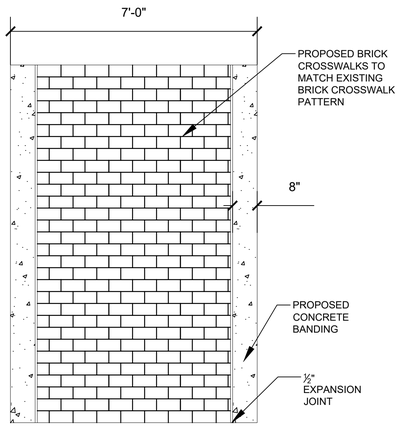
JAX-FE-FBH-41

CONCRETE BAND - STRUCTURAL EDGE:

1. STRENGTH: MINIMUM 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. MIX DESIGN: CONCRETE MIX
3. COLOR: AS SPECIFIED IN DETAIL #4, H1.50
4. EXPANSION JOINT MATERIAL: PRE-MOLDED EXPANSION JOINT FILLER, ½" THICK SUITABLE FOR OUTDOOR USE
5. BONDING AGENT: CONCRETE BONDING ADHESIVE FOR BONDING NEW CONCRETE TO ADJACENT SURFACES AS NECESSARY.
6. CONCRETE BANDING SHALL BE POURED INTO THE FRAMEWORK, ON BOTH SIDES OF PEDESTRIAN BRICK CROSSWALK.

NOTE:

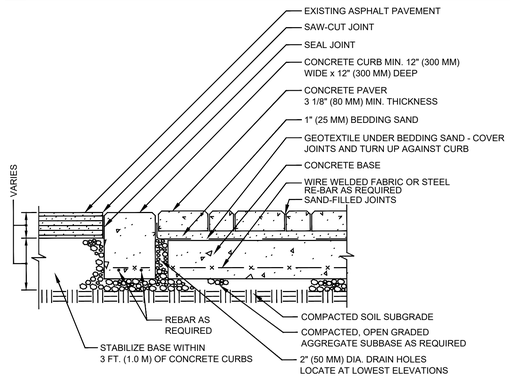
1. EXISTING BRICK CROSSWALKS TO MAINTAIN ITS ORIGINAL PATTERN
2. EXCESS BRICKS REMOVED FOR CONCRETE BANDING SHALL BE RE-PURPOSED FOR PROPOSED BRICK CROSSWALKS.



5 REINFORCED CONCRETE SIDEWALK

1 1/2" = 1'-0"

JAX-FE-FBH-37



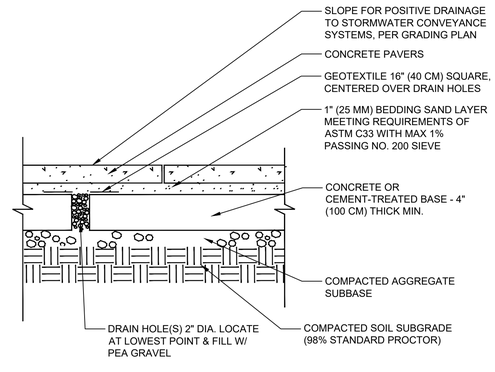
NOTE:

1. BASE THICKNESS AND REINFORCING VARIES WITH TRAFFIC, CLIMATE AND SUBGRADE CONDITIONS.
2. CONCRETE BASE MINIMUM 2% SLOPE FROM CENTERLINE TO CURB.
3. DO NOT PROVIDE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2 FT. (0.6 M) FROM TOP OF SOIL SUBGRADE. PROVIDE DRAIN HOLES TO CATCH BASINS.

6 CONCRETE SIDEWALK ADJACENT TO EXISTING BUILDING ENTRANCE

1 1/2" = 1'-0"

JAX-FE-FBH-40



NOTES:

1. AGGREGATE SUBBASE AND SUBGRADE SOIL MAY REQUIRE DRAINS. DRAINAGE MAY BE ACHIEVED BY EITHER CONTINUOUS 2" WIDE SLOT OR 2" DIA. VOIDS AT 10" O.C./ FILLED WITH PEA GRAVEL AND COVERED WITH GEOTEXTILE.
2. COVER ENTIRE SURFACE OF CEMENT-TREATED BASE WITH GEOTEXTILE TO PREVENT LOSS OF BEDDING SAND IN SHRINKAGE CRACKS.

CONCRETE PAVERS:

STYLE 'A' - 4'X8' BELGARD HOLLAND ANTIQUE RED ADA PAVERS WITH TRUNCATED DOME. PAVERS TO BE LAID IN A RUNNING BOND PATTERN TO MATCH CROSSWALKS.

STYLE 'B' - 18" HEXAGONAL PAVERS SELECTED TO MATCH EXISTING HEXAGONAL PAVERS AS CLOSELY AS POSSIBLE. REFER TO SHEET H1.52, DETAIL 1 FOR PAVER LAYOUT.

NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS AND COLOR SAMPLES FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO CONSTRUCTION AS WELL AS SIEVE ANALYSIS FOR JOINT AND BEDDING SAND.

ALL JOINTS SAND-SWEPT USING POLYMERIC SAND COMPOUND AND WATERED IN PER MANUFACTURER'S SPECIFICATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR SUBGRADE PERORATION PER MANUFACTURER'S SPECIFICATIONS - INSTALL PER ICPI AND MANUFACTURER'S SPECIFICATIONS.

PRIMARY USE IS: CIVILIAN FOOT TRAFFIC

7 CONCRETE BANDING - CROSSWALK

1/2" = 1'-0"

JAX-FE-FBH-44

8 CROSSWALK ON CONCRETE BASE WITH SAND SETTING BED

NTS

DETAIL-FILE

9 CONCRETE PAVERS ON A CONCRETE BASE

NTS

JAX-FE-02

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FL 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.50

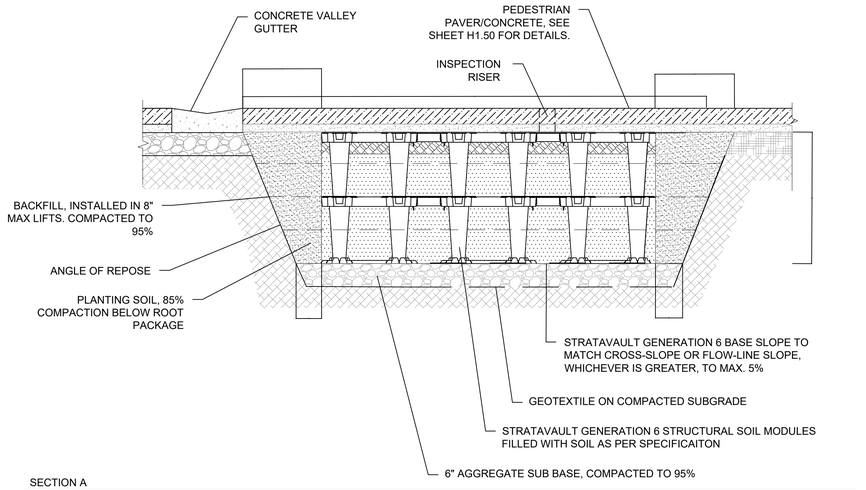
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.50 January 08, 2025 10:33:55am K:\JAX_LA\LP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

CITY GREEN

1. MANUFACTURER:
CITYGREEN
888-999-3990

2. MODEL:
STRATAVAULT

3. PRODUCT TO BE DESIGNED BY MANUFACTURER. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

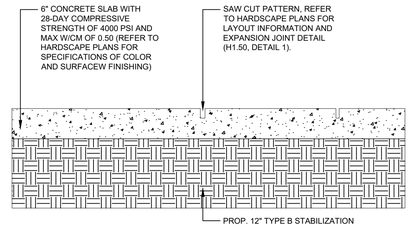


SECTION A
NOT TO SCALE

1 SUSPENDED PAVEMENT

NTS

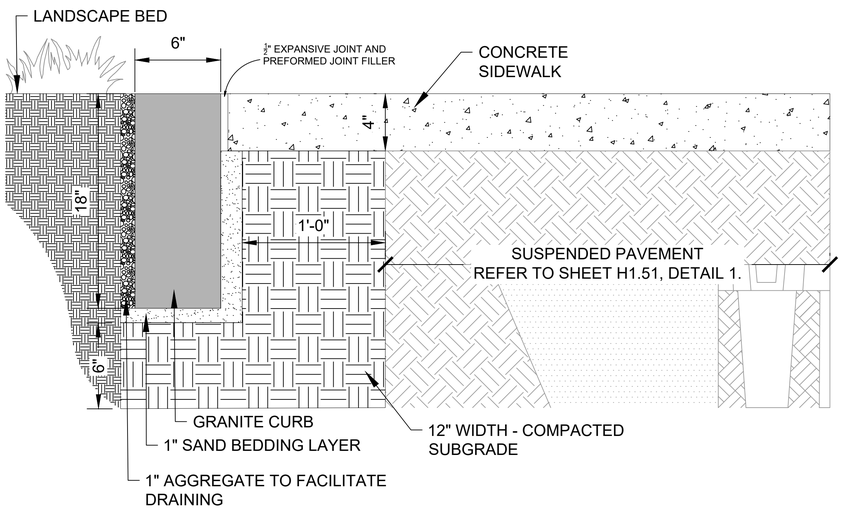
JAX-FE-FBH-48



2 VEHICULAR CONCRETE SECTION

1 1/2" = 1'-0"

JAX-FE-FBH-47



GRANITE CURB INTERFACING SUSPENDED PAVEMENT

- SUBRADE AND BEDDING MATERIAL AROUND SUSPENDED PAVEMENT IS TO BE COMPACTED BUT NOT OVER COMPACTED TO AVOID SOIL COMPACTION WITHIN THE CELLS.
- GRANITE CURB ABUTTING SUSPENDED PAVEMENT SHOULD BE FLUSHED AND DESIGNED TO ACCOUNT FOR OVERFLOWS AND DIRECT WATER TOWARDS DESIRED CATCHMENTS ZONES WITHOUT UNDERMINING SILVA CELLS/ SUSPENDED PAVEMENT.
- WHERE GRANITE CURB MEETS SUSPENDED PAVEMENTS, ANY JOINTS OR TRANSITIONS MUST BE SEALED TO PREVENT SOIL OR DEBRIS INFILTRATIONS.
- INSTALL SUSPENDED PAVEMENT FIRST TO PROTECTED ITS STRUCTURAL INTEGRITY AND ENSURE PROPER SOIL FILLING.
- GRANITE CURB TO HAVE A COMPACTED SUBGRADE AT LEAST 6-12 INCHES WIDER THAN THE CURB BASE ON BOTH SIDES TO PREVENT SETTLING.
- COMPACTED SUBGRADE DEPTH OF 6-8 INCHES.
- A GRANULAR BASE TO BE SELECTED FOR THE STRUCTURAL STABILITY OF THE GRANITE CURB.
- BEDDING LAYER TO BE A 1 INCH THICK LEVELING COURSE OF SAND OVER COMPACTED SUBGRADE FOR PRECISE PLACEMENT.
- COMPACT THE SUBGRADE AND GRANULAR BASE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY (ASTM D698)

3 GRANITE FLUSH CURB INTERFACING SUSPENDED PAVEMENT

2" = 1'-0"

JAX-FE-FBH-49

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

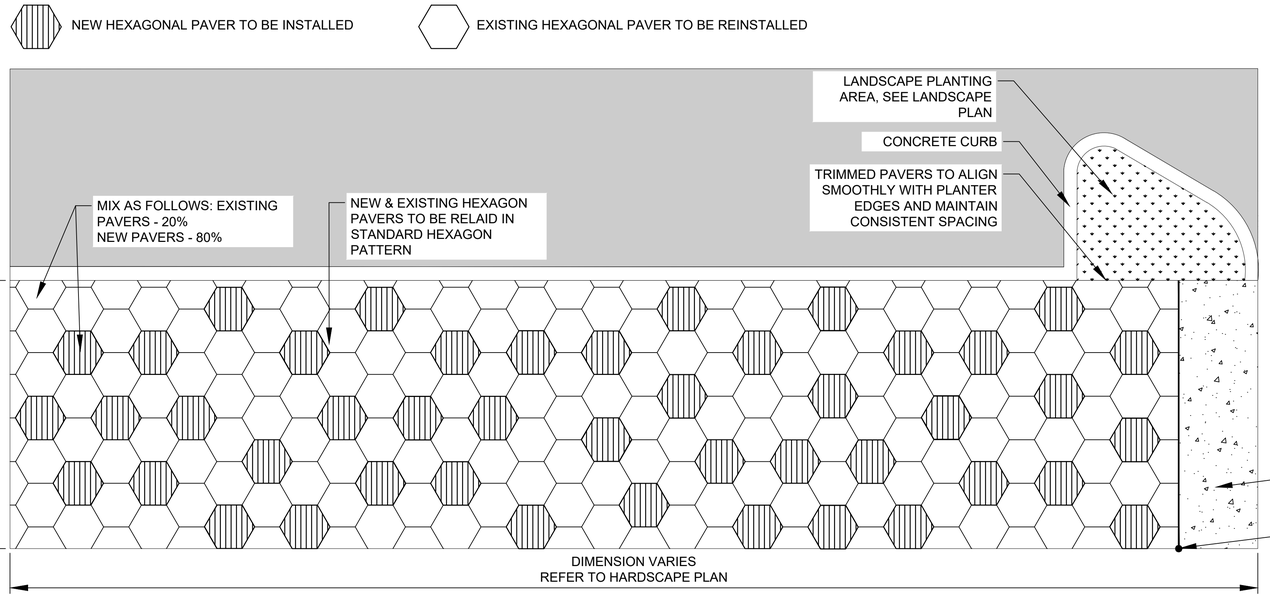
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.51 January 08, 2025 10:34:00am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\color sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTE:

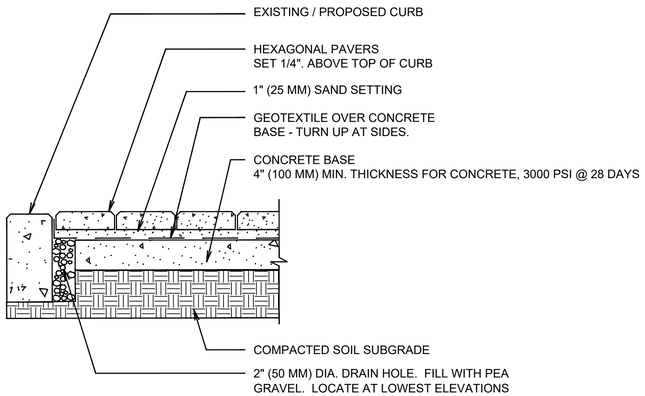
1. FLAT AND SMOOTH INSTALLATION (ADA COMPLIANCE):
- ENSURE ALL PAVERS ARE LAID FLAT AND LEVEL TO CREATE A SMOOTH, CONTINUOUS SURFACE.
- MINIMIZE VERTICAL DISPLACEMENT BETWEEN ADJACENT PAVERS TO NO MORE THAN 1/4 INCH AS PER ADA REQUIREMENTS.
- VERIFY THAT JOINT WIDTHS AND SAND-FILLED JOINTS DO NOT CREATE UNEVEN SURFACES OR TRIPPING HAZARDS.
- CONDUCT PERIODIC SURFACE CHECKS DURING INSTALLATION USING A STRAIGHTEDGE OR LEVEL TO CONFIRM COMPLIANCE WITH ADA SLOPE AND FLATNESS STANDARDS.
- ADDRESS ANY IRREGULARITIES IMMEDIATELY TO MAINTAIN A SAFE, ACCESSIBLE, AND COMPLIANT WALKING SURFACE.
- THIS NOTE EMPHASIZES PRECISION TO MEET ADA STANDARDS WHILE GUIDING THE INSTALLATION TEAM.
- CONTRACTOR TO MIX EXISTING AND NEW PAVERS RANDOMLY AS SHOWN

HEXAGONAL PAVER QUANTITY TO BE REMOVED & RE-USED
EXISTING HEXAGONAL PAVERS (OLD): 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE REMOVED: 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE RE-USED: 1,705 SF
HEXAGONAL PAVERS (NEW PAVERS): 2,342 SF
4" CONCRETE BASE FOR HEXAGONAL PAVERS: 4,047 SF

1 HEX PAVER PATTERN ENLARGEMENT

3/8" = 1'-0"

JAX-FE-FBH-26

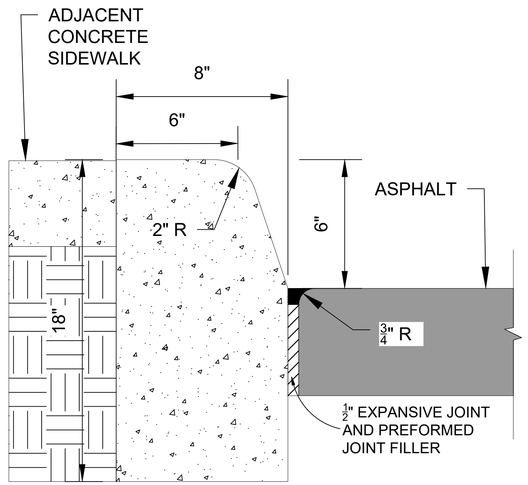


NOTES:
1. THICKNESS REQUIREMENTS WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE. COLDER CLIMATES MAY REQUIRE THICKER BASES.
2. CONSULT ICPI TECH SPEC 2 FOR GUIDELINES ON SPECIFICATIONS FOR BASE MATERIALS, SUBGRADE SOIL AND BASE COMPACTION.

2 HEXAGONAL PAVER ON SIDEWALK

1/16" = 1'-0"

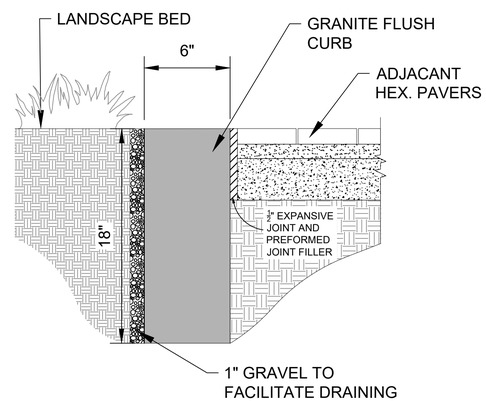
JAX-FE-FBH-35



3 CONCRETE CURB - TYPE 'D'

3" = 1'-0"

JAX-FE-FBH-39



4 GRANITE FLUSH CURB - RELOCATED & REINSTALLED

2" = 1'-0"

JAX-FE-FBH-42

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

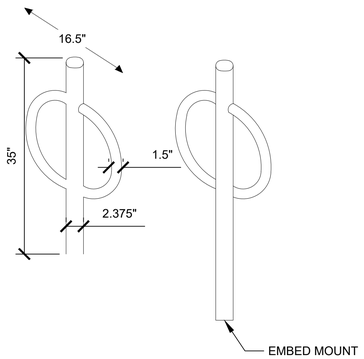
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

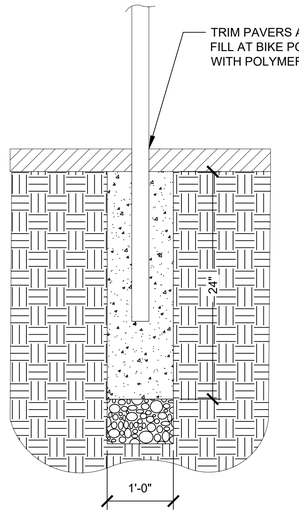
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.52 January 08, 2025 10:34:05am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





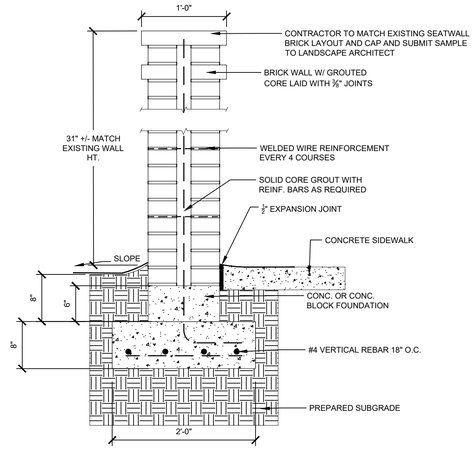
BIKE RACK - CITY OF FERNANDINA BEACH

1. MANUFACTURER: BELSON OUTDOORS
2. MODEL: PAR-2-IG-P GC-238 , STANDARD BOLLARD BIKE RACK WITH OPTIONAL GROUT COVER
3. FINISH: BLACK POWDER-COAT
4. INSTALL OWNER FURNISHED BIKE RACK PER MANUFACTURER'S SPECIFICATIONS, IN GROUND MOUNT
5. BIKE RACKS (NEW) QUANTITY: 20 BIKE RACKS.
6. RE-INSTALL BIKE RACKS EXISTING QUANTITY: 4 BIKE RACKS.

1 BIKE RACK

NTS

JAX-FE-36



2 BRICK SEAT WALL - RELOCATED & REINSTALLED

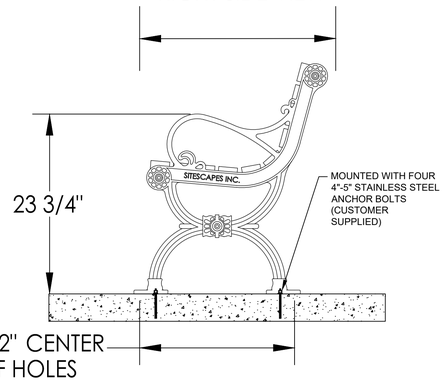
1" = 1"

JAX-FE-FBH-20

SITESCAPES SPECIFICATION: ARLINGTON DECORATIVE CAST END SEATING

(1.1) DESCRIPTION:
SECTIONS INCLUDES INFORMATION, MATERIALS, AND OPTIONS FOR PRODUCTS MANUFACTURES BY STIESCAPES, INC. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS

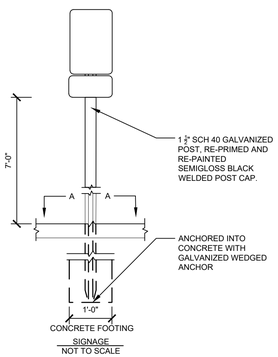
(3.2) INSTALLATION:
BENCHES MAY BE SURFACE MOUNTED USING THE HOLES THAT ARE PREDRILLED IN EACH OF THE FOOTPLATES. BENCHES ARE TO BE MOUNTED WITH FOUR Ø1/2" X 4-5" STAINLESS STEEL ANCHOR BOLTS, WHICH ARE CUSTOMER SUPPLIED. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL PRODUCT IS IN PLACE. THIS SITESCAPES, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.



3 EXISTING BENCH INSTALLATION

1/4" = 1'-0"

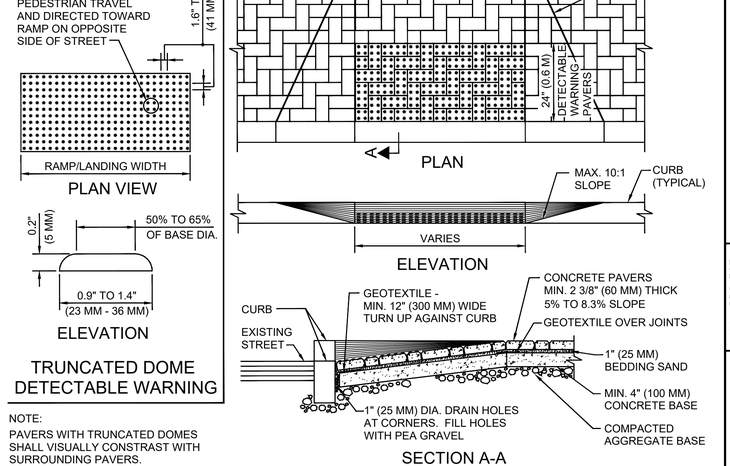
JAX-FE-38



5 SIGN REINSTALLATION

1" = 1'-0"

JAX-FE-24



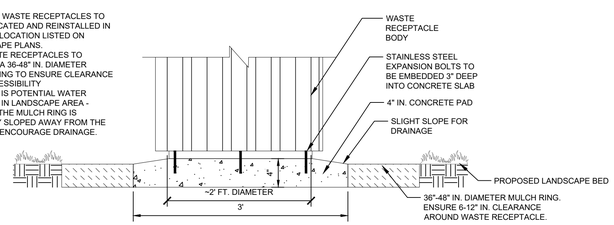
6 CONCRETE CURB RAMP - DETECTABLE WARNING PAVERS

1 1/2" = 1'-0"

JAX-FE-FBH-46

NOTES:

1. EXISTING WASTE RECEPTACLES TO BE RELOCATED AND REINSTALLED IN CHOSEN LOCATION LISTED ON HARDSCAPE PLANS.
2. ALL WASTE RECEPTACLES TO INCLUDE A 36-48" IN. DIAMETER MULCH RING TO ENSURE CLEARANCE FOR ACCESSIBILITY
3. IF THERE IS POTENTIAL WATER POOLING IN LANDSCAPE AREA - ENSURE THE MULCH RING IS SLIGHTLY SLOPED AWAY FROM THE BASE TO ENCOURAGE DRAINAGE.



4 WASTE RECEPTACLE REINSTALLATION

1" = 1'-0"

JAX-FE-FBH-23

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

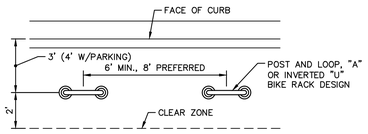
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

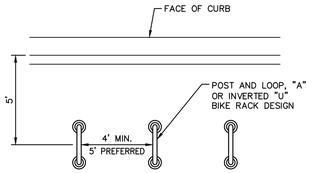
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.53

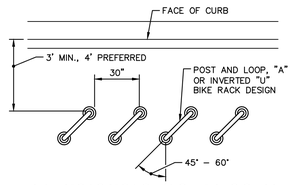
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.53 January 08, 2025 10:34:10am K:\JAX_LALP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



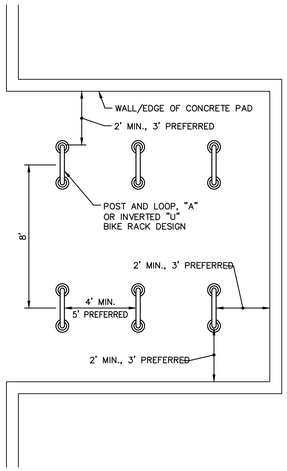
BIKE RACK SPACING - PARALLEL TO CURB



BIKE RACK SPACING - PERPENDICULAR TO CURB



BIKE RACK SPACING - ANGULAR TO CURB

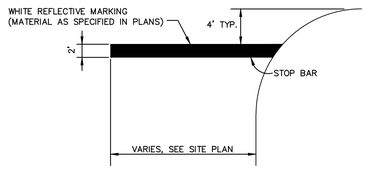


BIKE RACK SPACING - ADJACENT TO WALL

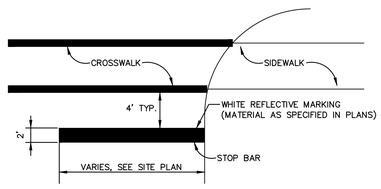
1 BIKE RACK SPACING

NTS

JAX-FE-FBH-50



WITHOUT CROSSWALK

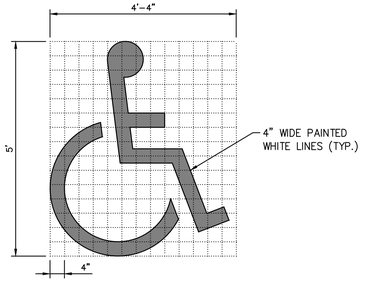


WITH CROSSWALK

3 STOP BAR

NTS

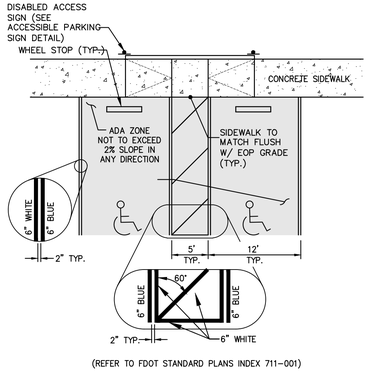
DETAIL-FILE



5 HANDICAPPED PARKING SYMBOL

NTS

DETAIL-FILE



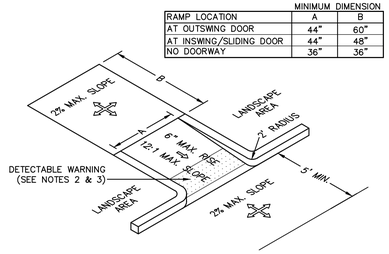
(REFER TO FDOT STANDARD PLANS INDEX 711-001)

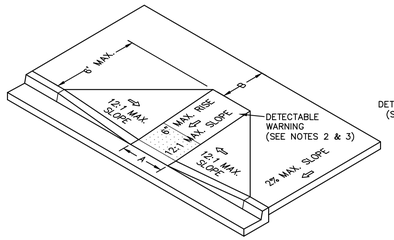
6 ADA PARKING

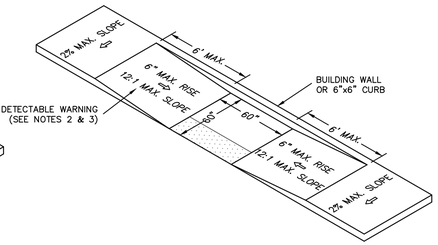
NTS

DETAIL-FILE

RAMP LOCATION	MINIMUM DIMENSION A	MINIMUM DIMENSION B
AT OUTSWING DOOR	44"	60"
AT INSWING/SLIDING DOOR	44"	48"
NO DOORWAY	36"	36"







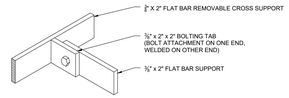
NOTES:

1. ALL CURB CUT ACCESSIBLE RAMPS AND DETECTABLE WARNING SURFACES SHALL BE INSTALLED BY THE SITE CONTRACTOR.
2. CURB RAMPS SUBJECT TO DEPARTMENT OF TRANSPORTATION REGULATION 49 CFR 37.21 SHALL HAVE A DETECTABLE WARNING COMPLYING WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND A MINIMUM OF 24" DEEP (MEASURED FROM THE BACK OF CURB ON THE RAMP SURFACE).
3. ALL DETECTABLE WARNING SURFACES FOR SIDEWALKS AT CURB CUT HANDICAP RAMP SHALL BE A COUNTY APPROVED YELLOW COLORED COMPOSITE MATERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA INSERTS ARE TO BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL CONFORM TO FDOT STANDARD PLANS INDEX 522-002, CODE OF FEDERAL REGULATIONS PART 36, AND CITY OF JACKSONVILLE STANDARDS.

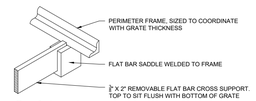
2 ACCESSIBLE RAMP

NTS

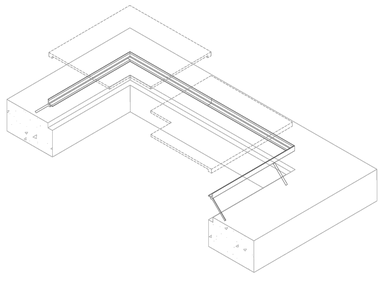
DETAIL-FILE



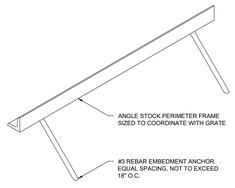
Type S - Isometric
SCALE: NTS



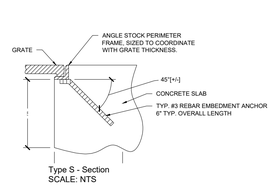
Type S - Isometric
SCALE: NTS



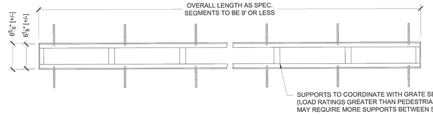
Type S - Exploded Assembly
SCALE: NTS



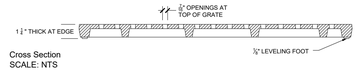
Type S - Isometric
SCALE: NTS



Type S - Section
SCALE: NTS



Example 6" Trench Frame - Plan
SCALE: NTS



Cross Section
SCALE: NTS

TRENCH GRATE:

MATERIAL: 18" X 24" TITLE WAVE TRENCH GRATE BY URBAN ACCESSORIES.

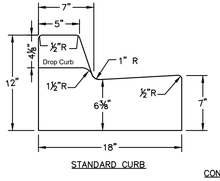
SPECS - TYPE S

TYPE S FRAMES ARE FOR PERMANENT INSTALLS INTO NEW CONCRETE W/O PAVERS. REBAR ANCHORING IS NOT PRE-BENT, BENDING TO BE DONE BY CONTRACTOR PRIOR TO INSTALLATION INTO CONCRETE.

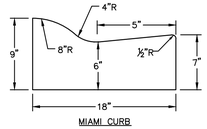
4 TRENCH GRATE

NTS

DETAIL-FILE



STANDARD CURB



MIAMI CURB

CONCRETE QUANTITIES:

CITY STANDARD CURB .0368889 CU. YD./LIN. FT.
MIAMI CURB .0325926 CU. YD./LIN. FT.

7 TRADITIONAL CURBING

NTS

DETAIL-FILE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

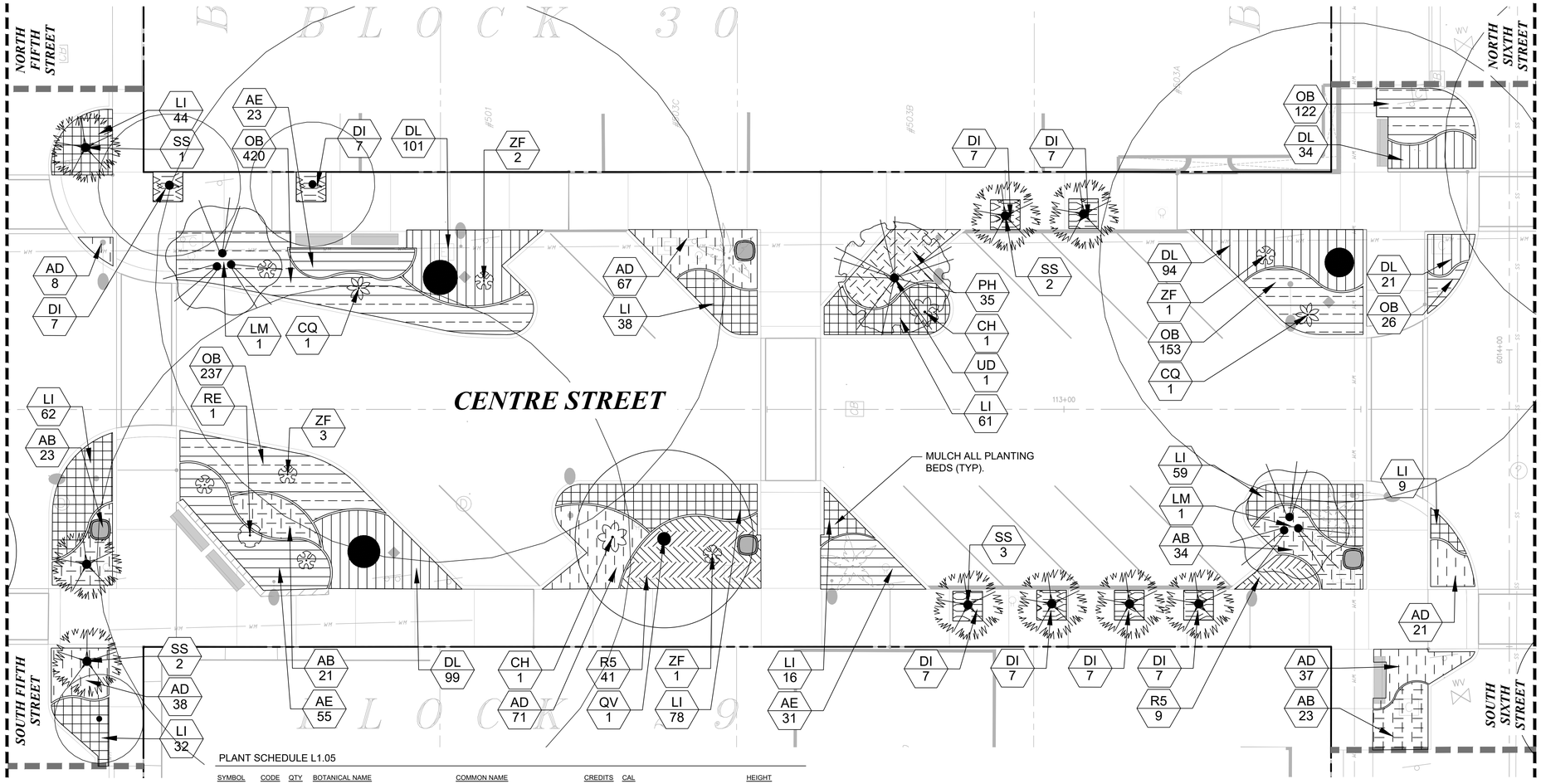
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER H1.54

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.54 January 08, 2025 10:34:54am K:\JAX_LAL\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

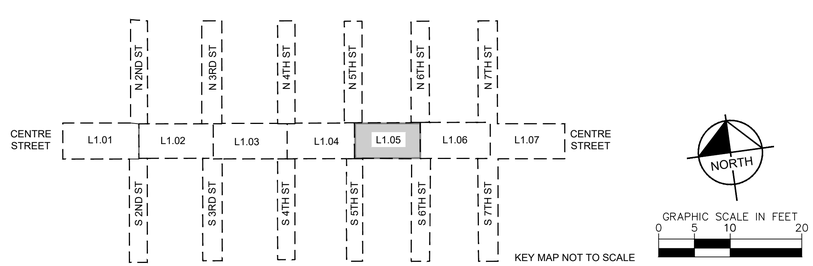


PLANT SCHEDULE L1.05

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT	
TREES								
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT	
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT	
	SS	9	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT	
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT	
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPAC
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.
	ZF	7	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.
GROUND COVERS								
	AB	101	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.
	AD	242	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.
	AE	109	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.
	DL	349	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.
	LI	399	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.
	OB	958	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.
	PH	35	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.
	R5	50	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	SCALE: AS SHOWN	DESIGNED BY: KHA
DATE 01/08/2025		DRAWN BY: ZRF
		CHECKED BY: MAJ

PLANTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER L1.05

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: L1.05 January 08, 2025 10:36:15am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	2	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	EO	12	EXISTING LIVE OAK	EXISTING LIVE OAK	CONT.		
	EC	15	EXISTING UNDERSTORY	EXISTING UNDERSTORY	CONT.		
	LM	28	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	XE	17	OFF-SITE TREE	OFF-SITE TREE	CONT.		
	QV	27	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	178	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	10	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	17	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		
	CQ	12	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			
	RE	6	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		
	ZF	18	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		
GROUND COVERS								
	AB	871	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL		24" O.C.
	AD	1,115	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL		24" O.C.
	AE	448	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL		24" O.C.
	DI	387	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL		24" O.C.
	DL	1,201	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL		24" O.C.
	LI	2,885	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL		18" O.C.
	OB	2,714	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"		12" O.C.
	PH	452	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN		24" O.C.
	R5	363	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL		30 O.C.

PLANT SCHEDULE L1.01

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	4	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	3	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	272	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	75	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	114	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	LI	300	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	115	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	56	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.02

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	8	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	4	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	6	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	97	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	267	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	58	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	42	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	234	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	24" o.c.
	LI	629	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	683	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	67	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	84	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.03

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	15	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	3	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	2	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	228	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	206	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	39	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	65	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	192	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	390	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	359	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	75	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	43	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.04

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	3	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	6	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	2	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	1	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	63	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	135	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	DI	28	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	166	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	679	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	128	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	202	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	75	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.05

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	9	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	7	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	101	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	242	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	109	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	349	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	399	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	958	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	35	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	50	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.06

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	2	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	4	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	ZF	3	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	122	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	41	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	35	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	223	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	209	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	320	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	44	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.07

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			48" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	68	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	87	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	105	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	37	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	279	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	151	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	73	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	11	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.08 January 08, 2025 10:36:49am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING SCHEDULE

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.08

TYPICAL PLANTING NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: OBTAINING ALL APPLICABLE PERMITS, FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS SPECIFIED HEREIN.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM CONTRACTOR NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

3. THE CONTRACTOR SHALL SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF THE DEPARTMENT OF TRANSPORTATION (DOT) DESIGN STANDARDS IF A DIRECT APPLICATION OF THE STANDARD IS PROPOSED. THE CONTRACTOR SHALL SUBMIT IN WRITING A STATEMENT INDICATING THE STANDARD INDEX AND PAGE NUMBER NO LESS THAN 10 BUSINESS DAYS PRIOR TO START OF CONSTRUCTION. WHEN A DIRECT APPLICATION OF DOT STANDARD IS NOT ACCEPTABLE A PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A PROFESSIONAL ENGINEER WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC, AS DEFINED BY DOT FOR APPROVAL BY THE COUNTY ENGINEER'S REPRESENTATIVE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON INFORMATION FURNISHED BY THE OWNER OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

5. NOTIFY THE OWNER IMMEDIATELY IF ANY DAMAGES OCCUR TO EXISTING TREES.

6. CALL ONE CALL (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

C. PROTECTION OF EXISTING PLANT MATERIALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC... THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE.

2. SEE TREE MITIGATION PLAN AND NOTES.

D. MATERIALS

1. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY* (OR TAGGED IN NURSERY)
	*IN SOME INSTANCES AN IMAGE TAKEN OF THE PLANT WITH A MEASURING STICK WILL SUFFICE
ROOT BARRIER	NOS SM 2420 ROOT BARRIER (OR APPROVED EQUAL) INSTALL PER MANUFACTURERS' SPECIFICATIONS IN LOCATIONS SHOWN ON PLANS.

2. PLANT MATERIALS

a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE GRADE NO. 1 OR BETTER AS DETERMINED BY THE APPROPRIATE STATE DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.

b. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

c. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:

2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.

b. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.

c. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.

d. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL, MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.

e. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.

2. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

F. WATER

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

* WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

* FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

1. MULCH SHALL BE DOUBLE SHREDDED HARDWOOD MATERIAL
2. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF THREE (3) INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). SEE PLAN FOR MULCH SPECIFICATIONS.

3. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA WITH PINNED WEED BARRIER FABRIC IN EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT (6' MINIMUM) PLANTED UNDER THIS CONTRACT.

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED (B&B), AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROUTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS: ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.

4. RPG="ROOTS PLUS GROWER" CONTAINER PRODUCTS SHALL BE USED WHERE SPECIFIED.

K. MATERIALS LIST

1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION.

2. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

L. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

M. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.

3. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

4. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ONSITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

5. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

6. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

7. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES. ANY DAMAGES CAUSED BY CONTRACTOR WILL BE THE CONTRACTOR'S RESPONSIBILITY.

8. FOLLOW PLANTING SPECIFICATIONS IN PLANTING DETAILS

9. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC.., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

10. TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

11. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6". REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

12. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO ENSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK.

N. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

O. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING TREE GUY SUPPORTS NECESSARY) TO ENSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR OR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

P. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

Q. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

2. ALL TREES ARE REQUIRED TO HAVE 2-YEAR MAINTENANCE AGREEMENT COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

3. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.

4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

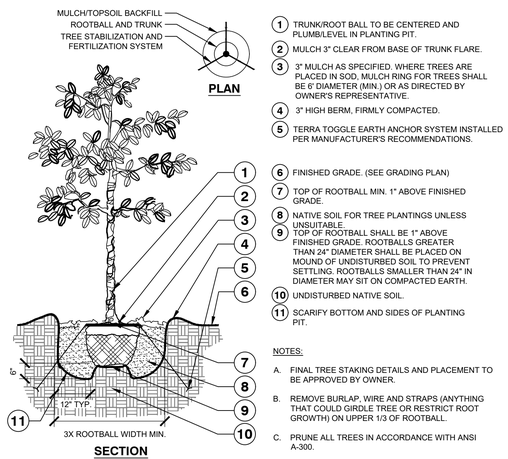
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

PLANTING NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.50 January 08, 2025 10:36:51am K:\JAX_LA\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTES:

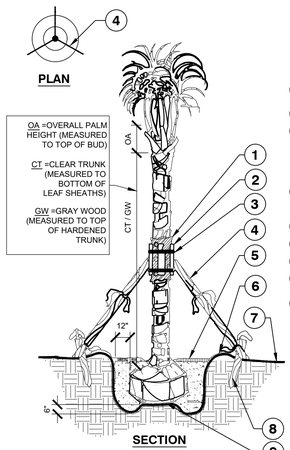
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

1 TREE PLANTING

L-PL-TYP-01



NOTES:

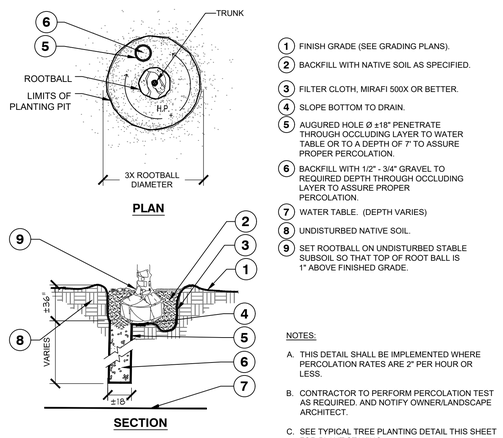
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. ALL TREE STAKING IS TO BE WITHIN MULCH BED AREA OUTSIDE TREE PIT.

C. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION - REFER TO POOR DRAINAGE CONDITION DETAIL.

2 PALM PLANTING AND STAKING

SECTION



NOTES:

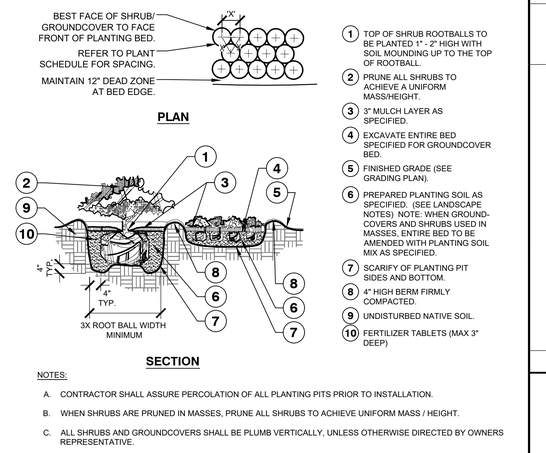
A. THIS DETAIL SHALL BE IMPLEMENTED WHERE PERCOLATION RATES ARE 2" PER HOUR OR LESS.

B. CONTRACTOR TO PERFORM PERCOLATION TEST AS REQUIRED, AND NOTIFY OWNER/LANDSCAPE ARCHITECT.

C. SEE TYPICAL TREE PLANTING DETAIL THIS SHEET FOR PLANT STAKING.

3 POOR DRAINAGE CONDITION

L-PL-TYP-09



NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

4 SHRUB/ GROUNDCOVER PLANTING

L-PL-TYP-03

Model List		
Model #	Height - ft (m)	Caliper - in (mm)
RF0P	Up to 8'	Up to 1.5"
RF0P 4 Leg	Up to 12"	
RF1P	8'-15' (2.5m - 4.5m)	1.5" - 3" (40mm - 75mm)
RF1P 4 Leg	12" - 24" Box	
RF2P	15'-25' (4.5m - 7.5m)	3" - 5.75" (75mm - 150mm)
RF2P 4 Leg	24" - 48" Box	
RF3P	25'-40' (7.5m - 12m)	5.75" - 9.5" (150mm - 230mm)
RF3P 4 Leg	48" - 60" Box	
RF4P	40'+ (12m+)	9.5"+ (230mm+)
RF4P 4 Leg	60" - 84"	
Please contact Platipus representative for boxes over 84"		

5 PLATIPUS TREE ANCHOR WITH DEADMAN FIXING SYSTEM

1" = 10'

JAX-FE-FBP-14

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.51 January 08, 2025 10:36:57am K:\JAX_LALD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

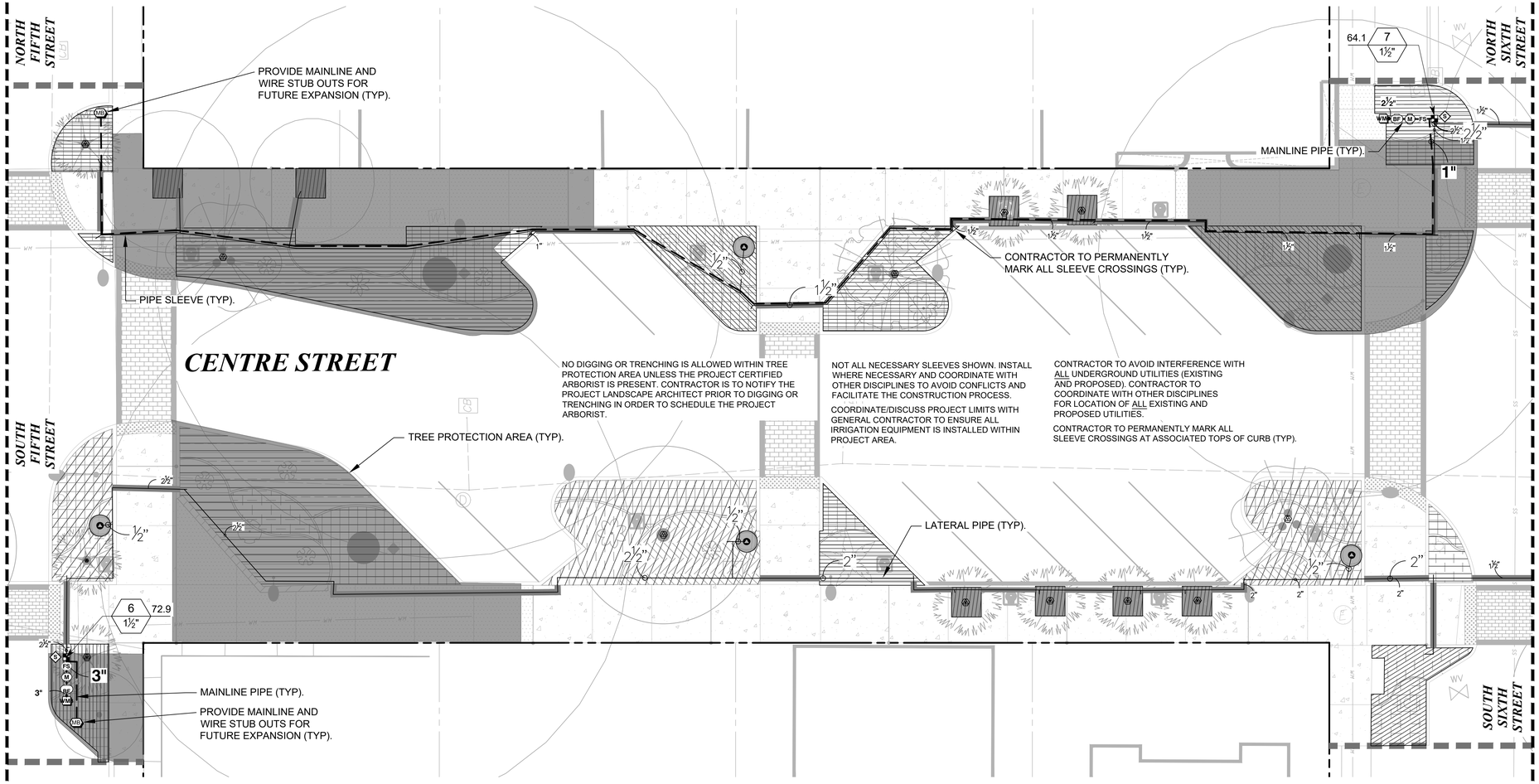
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.51



IRRIGATION SCHEDULE L2.05

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	9
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	2
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	2
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	2
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN

IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

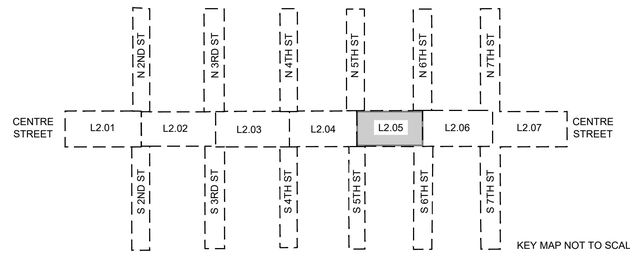
Valve Callout
Valve Number
Valve Flow
Valve Size

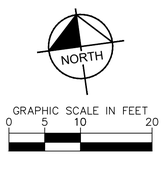
SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)

PIPE SIZE	SLEEVE SIZE
1"	2"
1 1/4"	4"
2"	4"
2 1/2"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG.
2. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
3. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.





No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.05

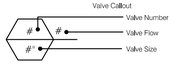
Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.05 January 08, 2025 10:38:35am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SCHEDULE L2.01

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	2
	RAIN BIRD XFCV-06-12 DRIP RING PALM	13
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	7
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



IRRIGATION SCHEDULE L2.02

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	3
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	8
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	3
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

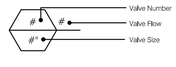
Valve Callout

IRRIGATION SCHEDULE L2.03

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	14
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	2
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

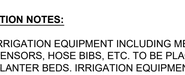


IRRIGATION SCHEDULE L2.04

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	5
	RAIN BIRD XFCV-06-12 DRIP RING PALM	7
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	5
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	3
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

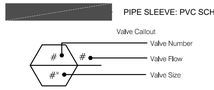


IRRIGATION SCHEDULE L2.05

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	9
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	2
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	2
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	2
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

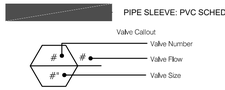


IRRIGATION SCHEDULE L2.06

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	2
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

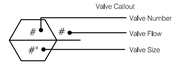


IRRIGATION SCHEDULE L2.07

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING PALM	11
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



VALVE SCHEDULE CENTRE STREET

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PRECIP	TOTAL WATER	RUN TIME
1	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	73.32	33.8	1.44 in/h	0.75 in/h	32 min.
2	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	SPRAY	TBT	TBT	TBT	TBT	TBT
3	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	58.01	34.4	1.44 in/h	0.75 in/h	32 min.
4	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	54.69	33.9	1.44 in/h	0.75 in/h	32 min.
5	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	46.02	33.4	1.45 in/h	0.75 in/h	32 min.
6	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	72.92	36.6	1.44 in/h	0.75 in/h	32 min.
7	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	64.11	32.7	1.44 in/h	0.75 in/h	32 min.

NOTES:

1. IRRIGATION OF NEW LANDSCAPE IS ALLOWED AT ANY TIME OF DAY ON ANY DAY FOR THE INITIAL 30 DAYS AND EVERY OTHER DAY FOR THE NEXT 30 DAYS FOR A TOTAL OF ONE 60-DAY PERIOD, PROVIDED THAT THE IRRIGATION IS LIMITED TO THE MINIMUM AMOUNT NECESSARY FOR ESTABLISHMENT. UPON EXPIRATION OF THIS 60 DAY WINDOW, THE CONTRACTOR IS RESPONSIBLE FOR PROGRAMING THE CONTROLLER TO MEET SJRWMD REQUIREMENTS.
2. THIS SCHEDULE IS PROVIDED FOR CONVENIENCE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ADEQUATE WATERING TO ALL PLANT MATERIAL UNTIL ESTABLISHMENT HAS BEEN REACHED.
3. PROVIDED WATERING SCHEDULE IS PRODUCED BY LAND F/X SOFTWARE FOR SUGGESTED TIMES AFTER ESTABLISHMENT. SCHEDULE MAY VARY BASED ON FIELD CONDITIONS, LANDSCAPE CONTRACTOR TO PROVIDE OWNER WITH ALTERNATIVE WATERING SCHEDULE BASED ON TIME OF PLANTINGS.
5. LANDSCAPE CONTRACTOR TO FOLLOW WATERING SCHEDULE NEEDS BASED ON CHAPTER 40C-2, SUB SECTION 40C-2.042(2) OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT , PERMITTING OF CONSUMPTIVE USES OF WATER. (LISTED BELOW)
SUB SECTION 40C-2.042(2) AFTER ESTABLISHMENT WATERING SCHEDULE DURING DAYLIGHT SAVINGS TIME MAY ONLY OCCUR ON TUESDAYS AND FRIDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. DURING EASTERN STANDARD TIME WATERING SCHEDULE MAY ONLY OCCUR ON TUESDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. MAXIMUM RUN TIME FOR ANY ZONE IS 1 HOUR, AND THE MAXIMUM OUTPUT IS 3/4" PER RUN TIME.

IRRIGATION NOTES:

1. IRRIGATION EQUIPMENT INCLUDING METERS, VALVES, CONTROLLERS, RAIN SENSORS, HOSE BIBS, ETC. TO BE PLACED WITHIN PLANTER BEDS. IRRIGATION EQUIPMENT SHOWN ON SIDEWALK AND STREETS FOR CLARITY ONLY. CONTRACTOR TO VERIFY LOCATION WITH LANDSCAPE ARCHITECT BEFORE INSTALLATION.
2. REFER TO SLEEVING CHART FOR SLEEVE SIZING. ANY MAINLINES OR LATERALS INSTALLED WITHIN VEHICULAR AREAS SHALL BE DOUBLE SLEEVED.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CL01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: L2.08 January 08, 2025 10:39:24pm K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\color sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SPECIFICATION AND NOTES

1. THE SYSTEM SHALL BE DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.

2. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL FIELD VERIFY.

3. CONTRACTOR TO FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.

4. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.

5. IRRIGATION DESIGN IS SCHEMATIC ONLY. FULL AND COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE OWNER'S REPRESENTATIVE.

6. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.

7. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. THE DRAWING SHALL INCLUDE ALL CHANGES MADE TO THE EXISTING IRRIGATION SYSTEM AND ALL NEWLY INSTALLED COMPONENTS INCLUDING ALL SPRINKLERS, STATING BODY TYPES AND NOZZLES, PIPE, INCLUDING SIZES AND THE ENDS OF SLEEVING LOCATIONS AS MEASURED FROM AT LEAST TWO FIXED OBJECTS, CONTROLLER AND WIRE ROUTING. THIS DRAWING MAY BE AN ADAPTATION OF THE IRRIGATION DESIGN WITH ANY CHANGES DRAFTED IN THIS DRAWING. THE DRAWING SHALL ALSO PROVIDE A MINIMUM OF TWO DIMENSIONS TAKEN FROM FIXED OBJECTS TO EACH AUTOMATIC VALVE AND MANUAL CONTROL VALVE. THE AS-BUILT DRAWING SHALL BE DRAWN TO SCALE, PRODUCED IN AUTOCAD OR OTHER DIGITAL DRAFTING PROGRAM, AND DELIVERED AS A PDF AND TWO PRINTED FULL SIZE COPIES.

8. IRRIGATION CONTRACTOR TO PROVIDE POWER SUPPLY TO ELECTRIC CONTROLLERS.

9. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.

10. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS, AS SPECIFIED.

11. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.

12. CONTRACTOR TO COORDINATE LOCATION OF ALL METERS AND BACKFLOW ASSEMBLIES WITH PROJECT OWNER.

13. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.

14. THE CONTRACTOR TO INSTALL PVC PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REVIEW CONSTRUCTION PLANS WITH THE OWNER'S REPRESENTATIVE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO HEAD LINE OR ZONE PLACEMENT.

15. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.

16. ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.

17. SLEEVES UNDER EXISTING PAVEMENT MUST BE DIRECTIONAL BORE. OPEN CUT IS NOT AN OPTION.

18. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.

19. THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR-CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.

20. ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS:

-RECTANGULAR 12"X17" HEAVY DUTY BOX. (PURPLE COVER FOR REUSE TO BE PROVIDED WHERE APPROPRIATE).

21. ALL UNSIZED PIPE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON PLAN. SEE LATERAL PIPE SIZING REQUIREMENTS.

22. EACH TREE AND PALM (AS SHOWN ON THE PLANS) SHALL HAVE A MIN 20 GALLON PER HOUR FLOOD BUBBLER. LOCATE BUBBLER ON THE UPHILL SIDE OF TREES ON ALL SLOPES.

23. ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED ONE (1) FOOT FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).

24. LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2'-0" FROM THE EDGE OF PAVEMENT OR CURB. BACKFLOW, MASTER VALVE, AND FLOW SENSOR SHALL BE A MINIMUM OF 2'-0" FROM BACK OF CURB OR PAVEMENT.

25. IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIPLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.

26. ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND AIR RELIEF VALVE UNLESS THE SPECIFIED DRIPLINE INCLUDES CHECKVALVES. DRIPLINE SHALL PROVIDE 0.9 GPH EMITTERS, 18" O.C. WITH 18" LINE SPACING AT A MINIMUM.

27. IRRIGATION CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL CONTROLLER AND SOIL SENSOR LOCATIONS. THE CONTROLLER SHALL BE PLACED IN A LOCKING CABINET IN THE MOST INCONSPICUOUS AREA APPROPRIATE FOR ITS LOCATION. (INDOOR VS. OUTDOOR USE)

28. CONTRACTOR SHALL PERFORM HYDRO-TESTING OF MAIN LINES.

HYDRO-TESTING TO BE PERFORMED AS LISTED:

THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF TESTING. PRIOR TO BACKFILLING, CONTRACTOR SHALL FILL PIPING WITH WATER, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, TAKING CARE TO PURGE THE AIR FROM IT. A SMALL, HIGH PRESSURE PUMP OR OTHER MEANS OF MAINTAINING A CONTINUOUS WATER SUPPLY SHALL BE CONNECTED TO THE PIPING AND SET SO AS TO MAINTAIN 125 PSI FOR TWO (2) HOURS WITHOUT INTERRUPTION. CONTRACTOR SHALL MAKE ANY NECESSARY CORRECTIONS AND RETEST THE SYSTEM UNTIL THE OWNER'S REPRESENTATIVE IS SATISFIED THAT THE SYSTEM IS REASONABLY SOUND.

29. ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL FOLLOW MANUFACTURERS SPECIFICATIONS. ALL CONTROL WIRE SHALL BE INSTALLED IN A 1-1/4" ELECTRICAL CONDUIT.

30. ALL UNIMPROVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR.

31. INSTALL ALL BACKFLOW PREVENTION DEVICES AND ALL PIPING BETWEEN THE POINT OF CONNECTION AND THE BACKFLOW PREVENTER AS PER LOCAL CODES. FINAL LOCATION SHALL BE DETERMINED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

32. COMMERCIAL LOTS ARE TO UTILIZE SMART IRRIGATION CONTROLLERS WITH SOIL MOISTURE METER SENSORS (SOIL MOISTURE SYSTEMS) TO DETERMINE OPTIMUM MOISTURE LEVELS, SHUT DOWN IRRIGATION, PREVENTING WATER WASTE. THE SOIL MOISTURE SYSTEM SHALL OPERATE AS A PERMISSIVE AND NOT AS A CALL-TO-RUN. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO INSTALL, TEST AND CERTIFY THE SOIL MOISTURE SYSTEM FOR PROPER INSTALLATION AND OPERATION PRIOR TO OCCUPANCY.

33. INSPECT THE CONSTRUCTION SITE BEFORE ANY WORK BEGINS AND FLAG LOCATIONS OF MAINLINE PIPE, SLEEVES, HEADS, AND VALVES FOR REVIEW BY THE OWNER'S REPRESENTATIVE. FLAGS SHALL BE CLEARLY MARKED OR COLORED TO DESIGNATE THE TYPE OF EQUIPMENT TO BE INSTALLED AT THAT POINT. INSTALLATION SHALL NOT COMMENCE UNTIL THE STAKING/FLAGGING HAS BEEN APPROVED.

34. PROVIDE A MINIMUM DEPTH OF COVER OF 18 INCHES FOR ALL MAIN LINE PIPE AND 12 INCHES OF COVER FOR ALL ZONE PIPE AS MEASURED FROM FINISH GRADE.

35. PROVIDE THE MINIMUM DEPTH OF COVER, AS SPECIFIED ABOVE, OVER THE TOP OF THE PIPE BEFORE THE TRENCH IS WHEEL-LOADED.

36. PROVIDE INITIAL BACK FILL MATERIAL THAT IS FINE-GRAINED MATERIAL FREE FROM COMPACTED EARTH GREATER THAN 2 INCHES IN DIAMETER, ROCKS, OR STONES.

37. TAMP THE BACK FILL IN LAYERS NOT TO EXCEED 6 INCHES. LIFT AND COMPACT FIRMLY AROUND THE PIPE AND UP TO AT LEAST 6 INCHES ABOVE THE TOP-OF-PIPE. SUFFICIENTLY MOISTEN THE BACK FILL TO PERMIT THROUGH COMPACTION UNDER AND ON EACH SIDE OF THE PIPE TO PROVIDE SUPPORT FREE FROM VOIDS. AVOID DEFORMING, DISPLACING, OR DAMAGING THE PIPE DURING THIS PHASE OF THE OPERATION. ENSURE THAT WHEN FINISHED, THE SOIL COMPACTION EQUALS THE ORIGINAL CONDITION.

38. SQUARE CUT, CLEAN, AND PIPE ALL JOINTS BEFORE CEMENTING. FULLY ENGAGE ALL JOINTS WHILE CEMENTING. PVC FITTINGS: MAKE ALL SOLVENTS WELD JOINTS IN ACCORDANCE WITH ASTM D2855. PRIME ALL FITTINGS WITH PURPLE PRIMER BEFORE MAKING SOLVENT WELD CONNECTIONS. ALLOW SOLVENT-WELDED JOINTS AT LEAST 1 HOUR TO SET UP BEFORE MOVING OR HANDLING. DO NOT PERMIT WATER IN THE PIPE FOR AT LEAST 24 HOURS AFTER MAKING A SOLVENT WELD ON THAT PIPE UNLESS RECOMMENDED OTHERWISE BY THE SOLVENT CEMENT MANUFACTURER. SEAL ALL THREADED PVC FITTINGS WITH LIQUID TEFLON EXCEPT SPRINKLER HEADS, ELECTRIC VALVE CONNECTIONS, AND SWING JOINTS. INSTALL ALL OF THESE EXCEPTIONS USING 1-INCH TEFLON TAPE.

39. FLUSH ALL PIPELINES BEFORE SPRINKLERS ARE INSTALLED. MAINTAIN A MINIMUM PIPE VELOCITY OF 3 FEET PER SECOND AND FLUSH FOR A MINIMUM TIME OF: T = 2L/3 WHERE T = TIME IN SECONDS AND L = PIPE LENGTH IN FEET FROM INLET POINT TO MOST DISTANT POINT IN THE PIPELINE.

40. INSTALL WIRING IN THE SAME TRENCH AND ALONG THE SAME ROUTE AS AND UNDERNEATH THE MAIN LINE EXCEPT IN LOCATIONS WHERE THE WIRE WILL PASS UNDER PAVING. AT THOSE LOCATIONS, INSTALL THE WIRE INSIDE A PVC SLEEVE. INSTALL CONTROL WIRING THROUGH WALLS, FLOORS, AND SLABS IN PVC SLEEVES.

41. USE UL UF WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS. USE RED #14 AWG WIRE FOR ALL VALVE POWER WIRES. USE WHITE #14 AWG WIRE FOR ALL VALVE COMMON WIRES. USE #14 OR LARGER TWISTED SHIELDED PAIR WIRE FOR ALL TWO-WIRE APPLICATION ON THIS SYSTEM. USE 5/8" OR LARGER COPPER GROUND RODS, COPPER GROUNDING PLATES, CADWELD "ONE SHOT" CONNECTORS AND #6 OR LARGER BARE COPPER WIRE FOR ALL GROUNDING APPLICATIONS FOR THIS SYSTEM. INSTALL GROUNDING AT THE CONTROLLER, ALL DECODER LOCATIONS, AND ALL TERMINATIONS OF THE TWO-WIRE SYSTEM.

42. THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE IN ADVANCE THAT EACH ITEM IS READY FOR INSPECTION AS INDICATED BELOW:

A. FLAGGED UNDERGROUND MAINLINE PIPING, SLEEVES, SPRINKLER AND VALVE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION - NOTIFY 48 HOURS IN ADVANCE.

B. SPRINKLER COVERAGE TEST - NOTIFY 48 HOURS IN ADVANCE.

C. FINAL INSPECTION - NOTIFY 48 HOURS IN ADVANCE.

42. THE CONTRACTOR SHALL ISSUE TO THE OWNER OR OWNER'S REPRESENTATIVE A CERTIFICATE OF WARRANTY OF THE IRRIGATION SYSTEM FOR A PERIOD OF NOT LESS THAN 1 YEAR ON ALL SPRINKLERS, VALVES, THE CONTROLLER, AND THE CONTRACTOR'S LABOR.

43. SUPPLY TO THE OWNER ALL INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING AND ELECTRICAL-RELATED EQUIPMENT, BOUND IN ONE FOLDER. FURNISH THE OWNER WITH ANY KEYS FOR LOCKABLE ITEMS ON THIS SYSTEM.

44. ENSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPE AREAS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING THE INSTALLATION.

45. ALL APPLICABLE CODES SHALL TAKE PRECEDENCE OVER THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFFER TO CO.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

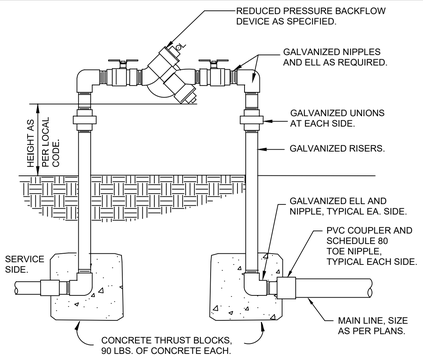
IRRIGATION NOTES

FERNANDINA BEACH STREETSCAPE
IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

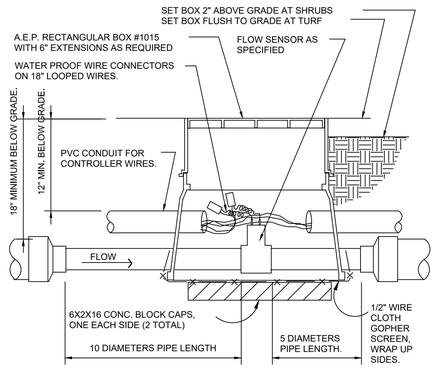
SHEET NUMBER
L2.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.50 January 08, 2025 10:39:26am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



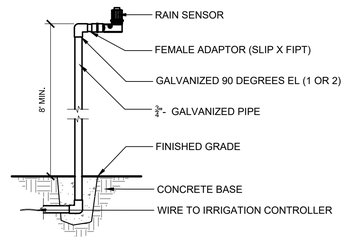
1 REDUCED PRESSURE BACKFLOW DEVICE

1" = 1'-0" L-IR-BAC-03



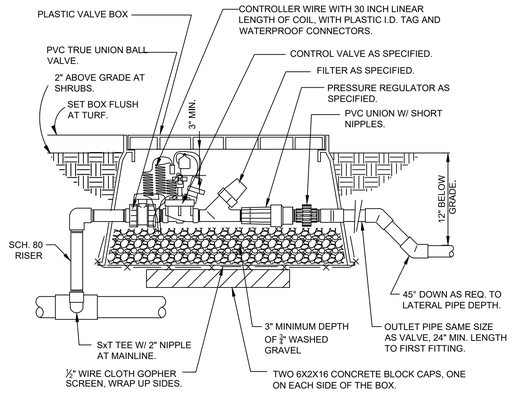
2 FLOW SENSOR ASSEMBLY

NTS L-IR-SEN-01



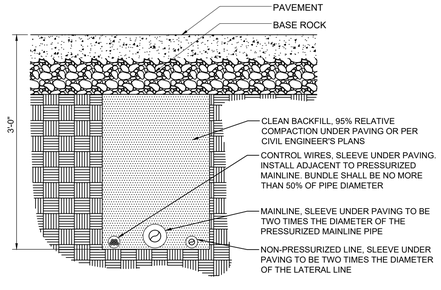
3 RAIN SENSOR- POLE MOUNT

SECTION NTS



4 REMOTE CONTROL VALVE (DRIP)

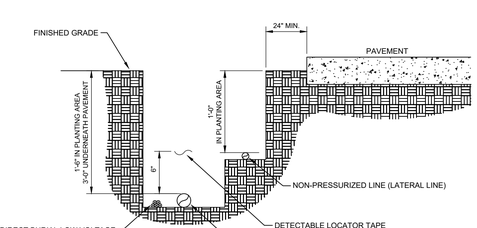
NTS L-IR-DRI-05



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE.
2. ALL SLEEVES SHALL BE SCH. 200 PVC PIPE.
3. ALL SLEEVES SHALL EXTEND 12" BEYOND THE EDGE OF PAVEMENT.
4. END OF SLEEVES SHALL BE LOCATED WITH A WOODEN STAKE OR PVC PIPE. LOCATORS SHALL RUN CONTINUOUSLY FROM THE END OF THE SLEEVE TO FINISHED GRADE.

5 TYPICAL IRRIGATION SLEEVING

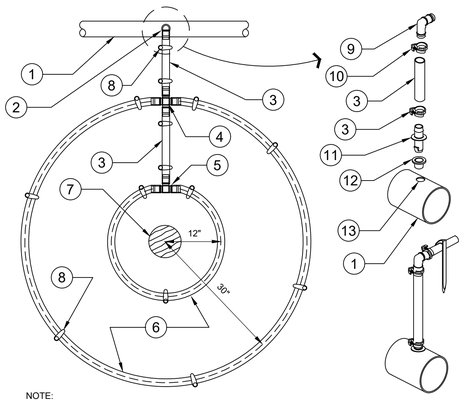
L-IR-EQU-03



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
2. SLEEVING IS REQUIRED AS SHOWN ON PLAN.
3. DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

6 IRRIGATION TRENCHING

NTS L-IR-EQU-10

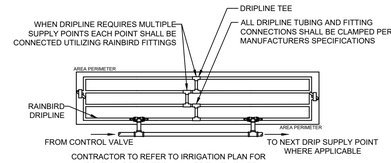


NOTE:
PLACE TIE DOWN STAKES EVERY 3 FT. IN SAND, 4 FT. IN LOAM, AND 5 FT. IN CLAY, AS WELL AS AT ALL CHANGE OF DIRECTION SUCH AS AT TEES OR ELLS.

DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL

7 TYPICAL DRIP IRRIGATION

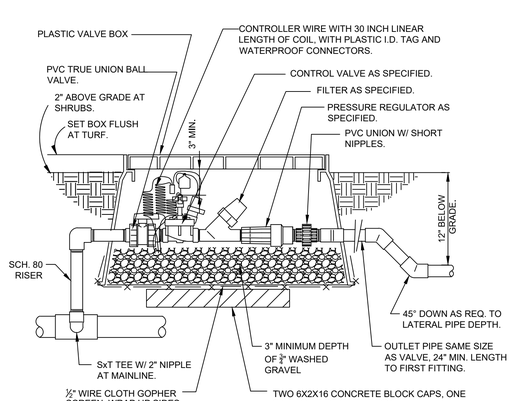
NTS L-IR-DRI-25



CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS.

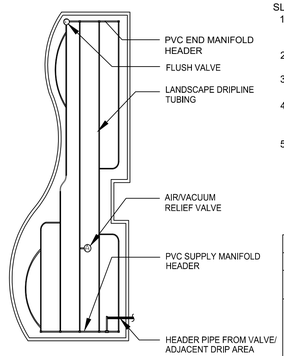
NOTE
1. DRIP TUBING TO BE ROUTED IN THE PLANT MATERIAL BED WITH AT MAXIMUM LATERAL SPACING OF 16 INCHES.
2. DRIP TUBING TO BE INSTALLED IN A GRID PATTERN. DRIP TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.
3. INSTALL WITH AIR RELIEF VALVE, OPERATION INDICATOR AND FLUSH VALVE. INSTALL ALL UNDERGROUND EQUIPMENT IN 12" ROUND VALVE BOX.

1. LATERAL SUPPLY PIPE, SEE PLAN.
2. DRIPLINE CONNECTION TO BELOW GRADE LATERAL PIPE, SEE DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL (TYPICAL CONDITION).
3. POLYETHYLENE TUBING SEE PLAN FOR SIZING.
4. BARB CROSS INSERT FITTING.
5. BARB TEE INSERT FITTING.
6. AT-GRADE DRIPLINE, INNER RING 12" FROM PLANT, OUTTER RING 30" FROM PLANT. DRIPLINE AS SPECIFIED ON PLAN.
7. PLANT TRUNK.
8. TYPICAL ANTELCO ASTA TIE-DOWN STAKE, SEE NOTE.
9. DRIPLINE BARBED INSERT ELL.
10. RATCHET CLAMP AT ALL BARBED CONNECTIONS, ANTELCO PART NO. 44345.
11. INSERT ADAPTER, ANTELCO "XPANDO" PART NO. 45595.
12. ANTELCO "CAPO: RUBBER GROMMET, NO. 45735.
13. DRILL 5/8" HOLE IN PVC LATERAL PIPE WHERE REQUIRED. YOU MUST USE A "FORSTNER" DRILL BIT FOR DRILLING INTO PVC. REMOVE ANY EXCESS BURRS OR ROUGH EDGES.



8 REMOTE CONTROL VALVE (DRIP)

NTS JAX-O9-05



SLOPE CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP 2/3 OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 1/3 OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM 1/3 ON A SEPARATE VALVE.

MAXIMUM LATERAL LENGTH (FEET)	
EMITTER FLOW RATE GPH	
PSI	18" SPACING 0.6
15	314
20	353
30	413
40	465
50	528
60	596

9 TYPICAL DRIPLINE LAYOUT

NTS JAX-O9-27

10 TREE RING DRIPLINE IRRIGATION

N.T.S. JAX-O9-04

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO CO.01 SIGNATURE SHEET

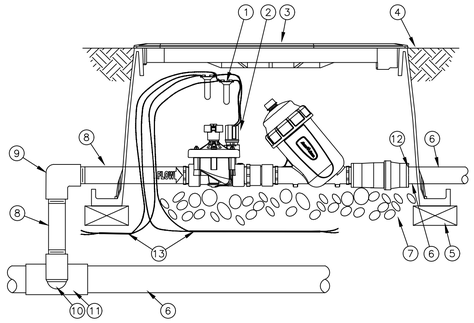
KHA PROJECT 142806005	
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.51 January 08, 2025 10:39:31am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

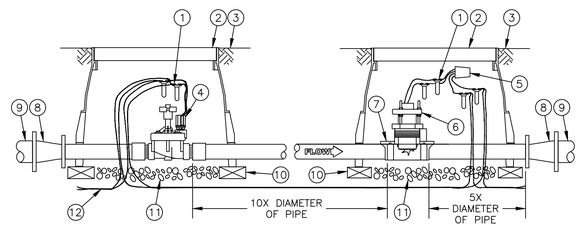


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. THE LCDR KIT INCLUDES A PESB-R VALVE AND DISC FILTER FOR RECLAIMED WATER USE.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20 (TWO REQUIRED)
2. RAIN BIRD DRIP KIT: XCZ-150-LCDR WITH IVM-SOL
3. VALVE BOX WITH COVER: RAIN BIRD VB-JUMBO
4. FINISH GRADE OR TOP OF MULCH
5. BRICK (1 OF 4)
6. PVC PIPE
7. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
8. PVC SCH 80 NIPPLE 1 1/2"
9. PVC SCH 80 ELBOW
10. PVC SCH 80 NIPPLE (2" LENGTH, HIDDEN) AND PVC SCH 80 ELBOW
11. PVC SCH 80 TEE OR ELBOW
12. PVC SCH 40 MALE ADAPTER
13. TWO-WIRE CABLE BETWEEN DEVICES

1 XCZ-150-LCDR WITH IVM-SOL

NTS JAX-09-20



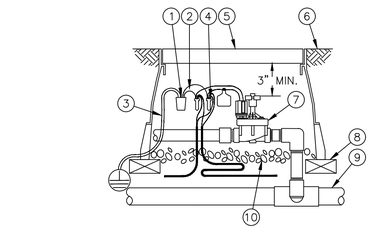
NOTE:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20
2. VALVE BOX WITH COVER: RAIN BIRD VB-STD
3. FINISH GRADE/TOP OF MULCH
4. NORMALLY CLOSED MASTER VALVE: RAIN BIRD PEB OR PGA WITH IVM
5. RAIN BIRD IVM-SEN
6. FLOW SENSOR: RAIN BIRD FS SERIES
7. DOUBLE-STRAP SADDLE
8. CONCENTRIC REDUCER
9. PVC MAINLINE PIPE
10. BRICK (1 OF 4)
11. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
12. TWO-WIRE CABLE BETWEEN DEVICES

NOTE:
1. REFER TO RAIN BIRD TECHNICAL DATA FOR FLOW SENSOR INSTALLATION BASED ON PIPE SIZING PARAMETERS.

2 MASTER VALVE WITH IVM-SOL AND FLOW SENSOR WITH IVM-SEN

NTS JAX-09-19

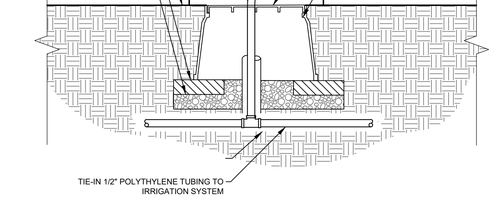


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. ONE IVM-SD IS REQUIRED EVERY 500 FEET OR EVERY 15 FIELD DEVICES.

1. RAIN BIRD IVM-SD SURGE DEVICE
2. CONNECT THE RED AND BLACK WIRES ON THE IVM-SD TO THE TWO-WIRE PATH
3. CONNECT THE GREEN WIRES FROM THE IVM-SD TO THE GROUNDING ROD OR PLATE
4. WATERPROOF CONNECTION RAIN BIRD WC20 (TWO REQUIRED)
5. VALVE BOX WITH COVER: RAIN BIRD VB-STD
6. FINISH GRADE/TOP OF MULCH
7. ELECTRIC REMOTE-CONTROL VALVE
8. BRICK (1 OF 4)
9. PVC MAINLINE PIPE
10. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
11. TWO-WIRE CABLE BETWEEN DEVICES

3 ELECTRIC REMOTE-CONTROL VALVE WITH IVM-SOL AND IVM-SD (SURGE DEVICE)

NTS JAX-09-18



4 DRIP RING IN PLANTER

NTS JAX-FE-24

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETIALS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L2.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.52 January 08, 2025 10:39:36am K:\JAX\LALP\142806005 — fernandina beach streetscape\working files\CAD\xlsx sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL NOTES:

1. THE SUBMISSION OF A BID BY THE CONTRACTOR IS NOTIFICATION THAT THE CONTRACTOR HAS TOTALLY FAMILIARIZED HIMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING SITE CONDITIONS AND HAS AGREED TO PROVIDE THE NECESSARY LABOR AND MATERIAL FOR THE COMPLETE INSTALLATION OF EACH SYSTEM IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST PRACTICES OF THE INDUSTRY AND IN COMPLIANCE WITH ALL AUTHORITIES HAVING JURISDICTION.
2. THESE DRAWINGS ARE PRESENTED TO THE CONTRACTOR WITH THE UNDERSTANDING THAT THE CONTRACTOR IS AN EXPERT AND COMPETENT IN THE PREPARATION OF CONTRACT BID PRICES ON THE BASIS OF INFORMATION SUCH AS IS CONTAINED IN THESE DOCUMENTS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION AND IN COMPLETE CONFORMANCE WITH ALL APPLICABLE CODES, RULES, AND REGULATIONS. MINOR ITEMS NOT USUALLY SHOWN OR SPECIFIED, BUT MANIFESTLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE VARIOUS SYSTEMS, SHALL BE INCLUDED IN THE WORK AND IN THE PROPOSAL THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO DEPARTURES SHALL BE MADE WITHOUT PRIOR APPROVAL.
3. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.
4. THE DRAWINGS INDICATE ARRANGEMENTS AND APPROXIMATE SIZES AND RELATIVE LOCATIONS OF PRINCIPAL APPARATUS, EQUIPMENT, DEVICES, AND SERVICES TO BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND ARE A GRAPHIC REPRESENTATION OF CONTRACT REQUIREMENTS BASED ON THE INFORMATION PROVIDED BY THE MANUFACTURER IDENTIFIED IN THE EQUIPMENT SCHEDULE AT THE SCALE INDICATED.
5. LAYOUT OF EQUIPMENT INDICATED ON THE DRAWINGS SHALL BE CHECKED AND COMPARED AGAINST ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND EXACT LOCATIONS DETERMINED USING APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT. WHERE PHYSICAL INTERFERENCES OCCUR, CONSULT WITH THE OWNER AND PREPARE DATED, DIMENSIONED DRAWINGS COORDINATED WITH ALL OTHER TRADES WORKING IN THIS AREA AND CORRECTING SUCH INTERFERENCE.
6. THE CONTRACTOR SHALL SCHEDULE THEIR WORK IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE SO THAT ALL OF THEIR WORK CAN BE INSTALLED WITHOUT DELAYING THE PROJECT. ALL WORK RELATED TO SHUTDOWN OF EXISTING SERVICES SHALL BE PERFORMED AT THE HOURS DESIGNATED BY THE OWNER WITH ALL ASSOCIATED COSTS BORNE BY THE CONTRACTOR AT NO COST TO THE OWNER. PROVIDE ANY TEMPORARY FACILITIES REQUIRED TO PERMIT OWNER'S USE OF EXISTING FACILITIES AND SYSTEMS TO REMAIN UNDISTURBED. COORDINATE ALL WORK, INCLUDING ALL SHUTDOWNS THAT AFFECT SYSTEMS AND/OR PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION, WITH OWNER.
7. THE CONTRACTOR SHALL SECURE AND PAY ALL FEES, LICENSES, INSPECTIONS, AND PERMITS PERTAINING TO THE CONTRACT. SUBMIT TO OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM APPROVED INSPECTION AGENCY.
8. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORKMEN'S IDENTIFICATION AND BADGING, SAFETY AND FIRE PROTECTION, BARRICADES, WARNING SIGNS, TRASH REMOVAL, CUTTING AND PATCHING.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND WITHOUT BLEMISH OR DEFECT. ALL EQUIPMENT INSTALLED SHALL BEAR THE LABEL OF AN APPROVED AGENCY.
11. THE CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT, AND TRANSFER TO POINT OF INSTALLATION FOR ALL FURNISHED ITEMS.
12. WHERE CONDUIT, CABLES, DUCTWORK, OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE PENETRATION SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THIS SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER TO MAINTAIN THE UL LISTED FIRE RATING OF THE PENETRATED WALL OR FLOOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB OPENINGS, WALL OPENINGS, BEAM PENETRATIONS, AND CORING AS IT RELATES TO THEIR WORK. THE CONTRACTOR SHALL SUBMIT SIZE AND LOCATION FOR REVIEW AND APPROVAL.
14. ALL EXTERIOR WALL OPENINGS SHALL BE SLEEVED, PROPERLY CAULKED, AND SEALED WITH A HIGH QUALITY SEALANT TO PREVENT INFILTRATION OF MOISTURE AND OUTSIDE AIR.
15. THE CONTRACTOR SHALL SUBMIT SCHEDULE OF SUBMITTALS PRIOR TO SUBMITTING ANY SHOP DRAWINGS, ETC. TO BE SUBMITTED FOR THIS PROJECT, INCLUDING THE ANTICIPATED DATE OF EACH SUBMISSION. CONTRACTORS SHALL SUBMIT AN ELECTRONIC COPY OF THE COMPLETE SHOP DRAWINGS AND CATALOG CUTS, WIRING DIAGRAMS AND ASSOCIATED DATA TO THE OWNER FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT OR STARTING ANY WORK. ANY WORK INSTALLED OR EQUIPMENT PURCHASED PRIOR TO RECEIPT OF OWNER APPROVED SUBMITTALS SHOP DRAWINGS THAT REQUIRES CHANGES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
16. SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE CONTRACTOR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS.
17. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL SUPPLY THE OWNER WITH (3) COMPLETE BOUND COPIES OF ALL OWNER APPROVED SUBMITTALS AND ALL OPERATION AND MAINTENANCE MANUALS
18. ALL WORK FURNISHED UNDER THE CONTRACT SHALL BE GUARANTEED AGAINST ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION, UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS, AND ANY DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED AND ANY DEFECTIVE MATERIAL REPLACED WITHOUT ADDITIONAL COST TO THE OWNER.
19. INSTALLED SYSTEMS SHALL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT SOUND OR VIBRATION THAT IS OBJECTABLE TO THE OWNER, OBJECTABLE SOUND OR VIBRATION CONDITIONS DUE TO WORKMANSHIP SHALL BE CORRECTED IN APPROVED MANNER BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
20. THE CONTRACTOR SHALL SIMILARLY NOTIFY OWNER OF COMPLETION OF ALL WORK, INDICATING THE CONTRACTOR IS READY FOR THE OWNER TO PERFORM THE FINAL PUNCHLIST INSPECTION.
21. UPON COMPLETION OF ALL UNFINISHED OR FAULTY WORK NOTED IN THE OWNER'S FINAL PUNCH LIST, THE CONTRACTOR SHALL SUBMIT TO THE OWNER IN WRITING A LETTER OF COMPLETION CERTIFYING THAT ALL PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ALL AS-BUILTS, MANUALS, ETC. HAVE BEEN SUBMITTED.
22. SHOULD A CONTRACTOR REQUIRE REMOVAL, RELOCATION, OR REROUTING OF ANOTHER TRADE'S WORK THAT IS NOT INDICATED ON DRAWINGS, THE CONTRACTOR REQUIRING SUCH WORK SHALL BE RESPONSIBLE FOR THAT WORK, AND PAY ALL REQUIRED COSTS.
23. ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEMS, EQUIPMENT, AND MATERIALS SHALL BE REVIEWED WITH THE OWNER BEFORE BEGINNING WORK.
24. DEFINITION: UNLESS OTHERWISE NOTED, ALL WORK SPECIFIED HEREIN OR NOTED ON DRAWINGS, SHALL BE BY THE CONTRACTOR. THE TERM "PROVIDE" WHENEVER ENCOUNTERED ON DRAWINGS OR IN THESE SPECIFICATIONS, SHALL MEAN "FURNISH AND INSTALL."
25. CODES AND STANDARDS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND FIRE INSURANCE CARRIER'S REQUIREMENTS.
26. MATERIALS: ALL MATERIALS FURNISHED BY THIS CONTRACTOR, SHALL BE NEW AND BEAR THE LABEL OR LISTING OF A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.
27. OUTLET AND SWITCH BOXES: PROVIDE AND INSTALL OUTLET BOXES OF PROPER TYPE AND SIZE AS REQUIRED AT ALL OUTLETS WHERE SHOWN. SECURED FIRMLY IN PLACE AND SET TRUE AND SQUARE AND FLUSH WITH THE FINISHED SURFACE.
28. WIRING: WIRES SHALL BE COPPER AND RATED FOR THE LOCATIONS IN WHICH THEY ARE INSTALLED. ALL RACEWAYS ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION TO BE DETERMINED ON THE JOB. CONTRACTOR SHALL ARRANGE ALL NEW CIRCUITS IN PANELS SO AS TO BALANCE THE LOAD ON ALL PHASES.
29. A TYPED DIRECTORY CARD SHALL BE PROVIDED IN EACH PANEL WITH ADDED CIRCUITS TO INDICATE THE LOADS ACTUALLY SERVED.
30. GROUNDING: SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 250. PROVIDE GROUND WIRES AS REQUIRED AND RESIZE CONDUIT IF NECESSARY.
31. DEMONSTRATION OF COMPLETE ELECTRICAL SYSTEMS: UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF APPROVAL FROM THE RESPECTIVE INSPECTION AGENCIES. CONTRACTOR SHALL NOTIFY AND MAKE ALL THE NECESSARY ARRANGEMENTS WITH THE INSPECTING AGENCY AND LOCAL AUTHORITIES SO THAT INSPECTION MAY BE CARRIED OUT AT THE PROPER TIME.

LEGEND

SYMBOL	TYPE	MODEL NUMBER	MOUNTING HEIGHT	MOUNTING TYPE	DESCRIPTION	WATTAGE
	TYPE T1	CN55P1A-FGC-T3MB1A-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T2	SN21P1-FGC-T1-P10-30K	14'	POLE MOUNTED	SINGLE	22W
	TYPE T3	CN55P1A-FGC-T3HS-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T4	DSX1-LED-P3-30K-80CRI-T4M-MVOLT -SPA-PER7-DBLXD	18.5'	POLE MOUNTED	SINGLE	N/A
E	NEW PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
C	NEW COMMUNIATIONS PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	LOAD CENTER (LC)	LOAD CENTER	N/A	N/A	N/A	N/A
	EXISTING PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	NEW RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A
	SPECIAL RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A

COMMUNICATION CONDUIT

ELECTRICAL CONDUIT

UGE EXISTING ELECTRICAL CONDUIT

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: JM
CHECKED BY: MAJ

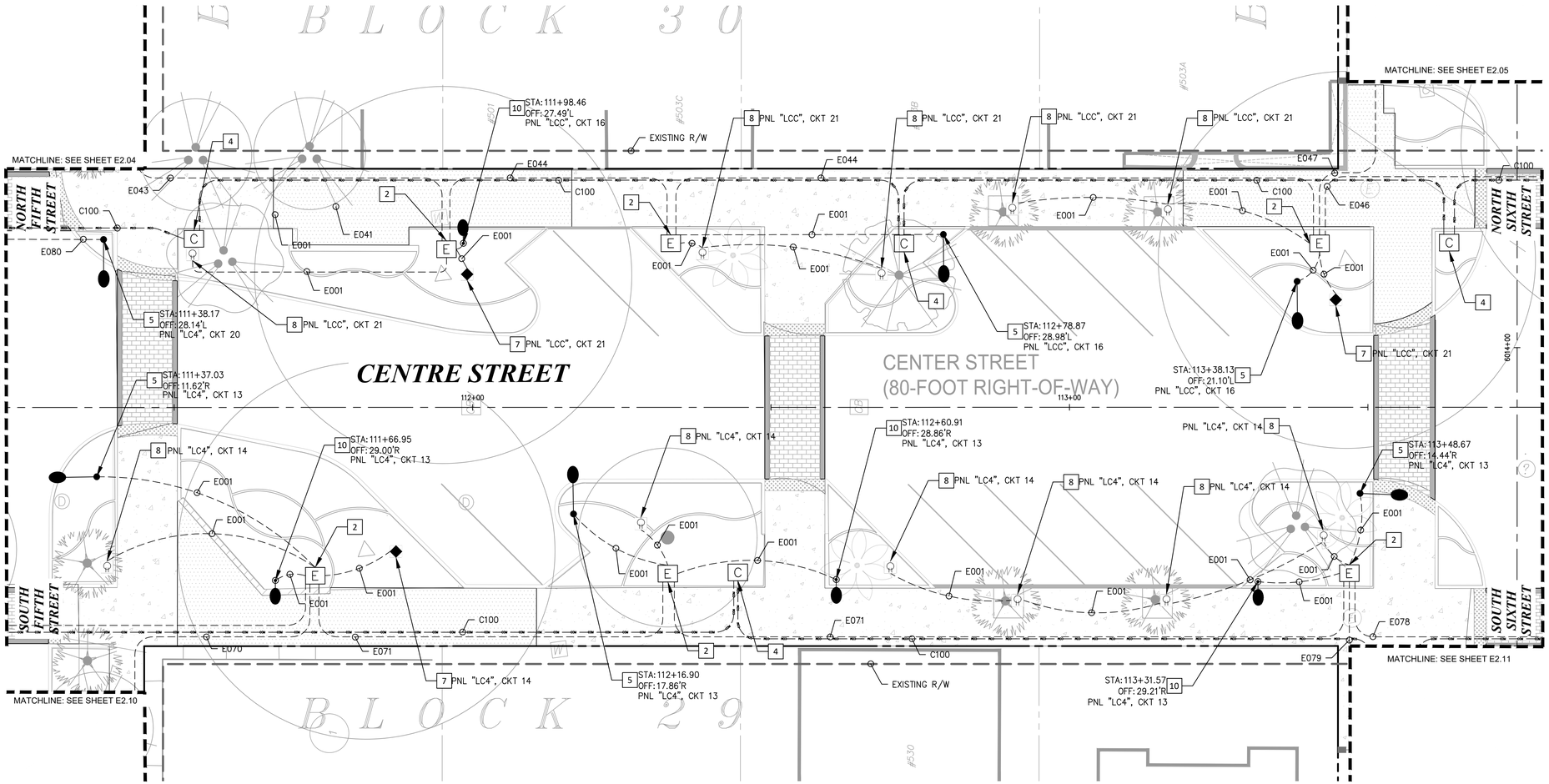
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

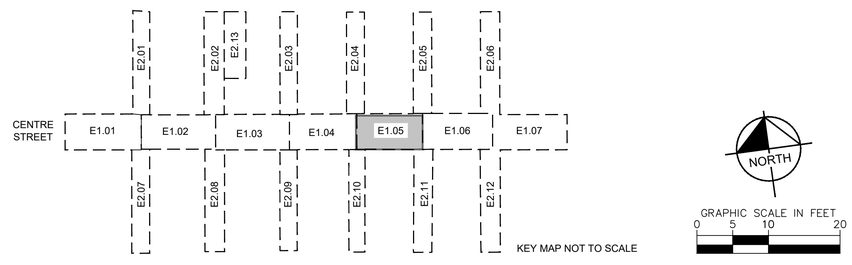
SHEET NUMBER
E0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E0.00 January 08, 2025 10:39:56am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCTION NOTES

2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
5. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
7. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP WITH ABOVE GROUND CONDUIT. SEE DETAIL A ON PAGE E3.01.
8. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.
10. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: JM
CHECKED BY: MAJ

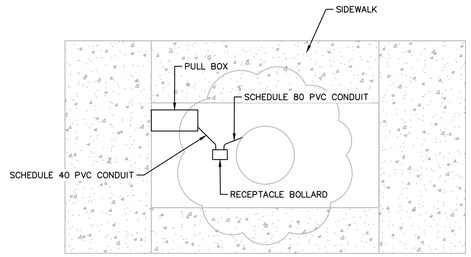
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

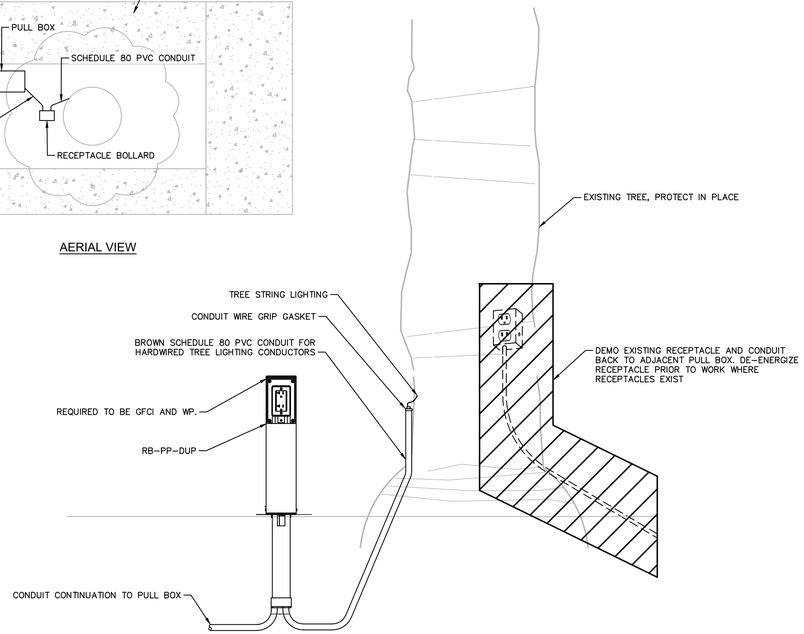
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E1.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E1.05 January 08, 2025 10:40:52am K:\JAX_LA\EP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

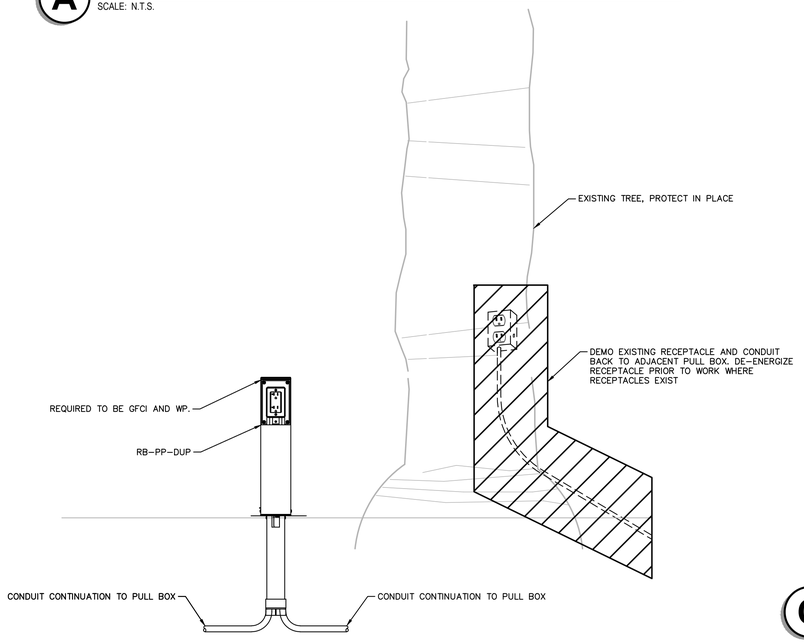


AERIAL VIEW



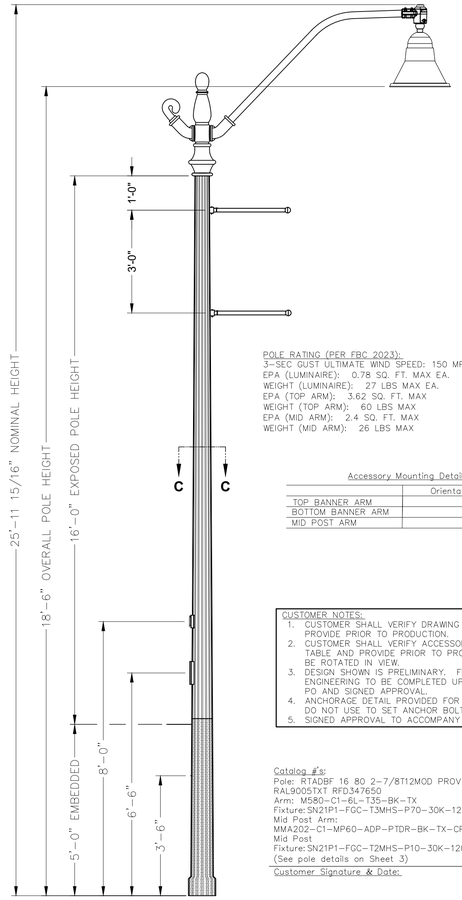
A TYPICAL HERITAGE TREE RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



B TYPICAL RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



POLE RATING (PER FBC 2023):
3-SEC GUST ULTIMATE WIND SPEED: 150 MPH MAX
EPA (LUMINAIRE): 0.78 SQ. FT. MAX EA.
WEIGHT (LUMINAIRE): 27 LBS MAX EA.
EPA (TOP ARM): 3.62 SQ. FT. MAX
WEIGHT (TOP ARM): 60 LBS MAX
EPA (MID ARM): 2.4 SQ. FT. MAX
WEIGHT (MID ARM): 26 LBS MAX

Accessory Mounting Detail

	Orientation
TOP BANNER ARM	
BOTTOM BANNER ARM	
MID POST ARM	

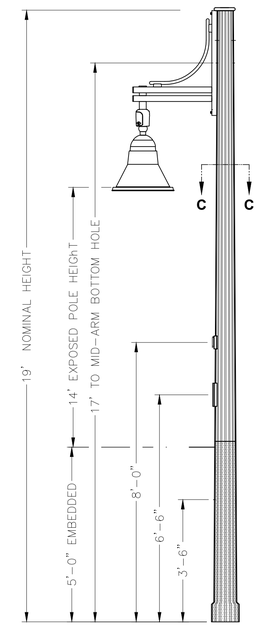
CUSTOMER NOTES:
1. CUSTOMER SHALL VERIFY DRAWING DETAILS AND PROVIDE PRIOR TO PRODUCTION.
2. CUSTOMER SHALL VERIFY ACCESSORY LOCATION IN TABLE AND PROVIDE PRIOR TO PRODUCTION. MAY BE ROTATED IN VIEW.
3. DESIGN SHOWN IS PRELIMINARY. FINAL ENGINEERING TO BE COMPLETED UPON RECEIPT OF PO AND SIGNED APPROVAL.
4. ANCHORAGE DETAIL PROVIDED FOR VISUAL ONLY – DO NOT USE TO SET ANCHOR BOLTS.
5. SIGNED APPROVAL TO ACCOMPANY PO.

Catalog #'s:
Pole: RTADBF 16 80 2-7/8T12MOD PROV GFI 2BA
RAL9005TXT RFD347650
Arm: M580-C1-6L-T35-BK-TX
Fixture: SN21P1-FGC-T3MHS-P70-30K-120-10KV-ADS-PTDR-BK-TX
Mid Post Arm:
MMA202-C1-MP60-ADP-PTDR-BK-TX-CP6786
Mid Post
Fixture: SN21P1-FGC-T2MHS-P10-30K-120-10KV-ADP-PTDR-DIM-BK-TX
(See pole details on Sheet 3)

Customer Signature & Date:

C TYPICAL STREET LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.



D TYPICAL PEDESTRIAN LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

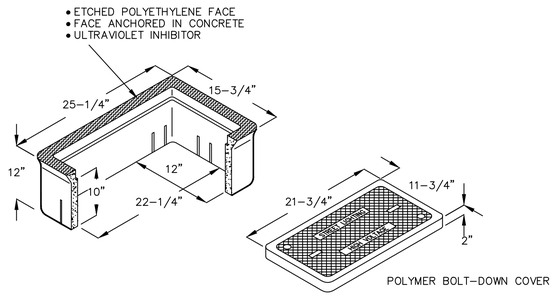
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

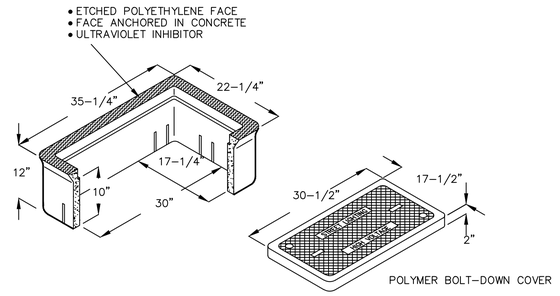
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.01

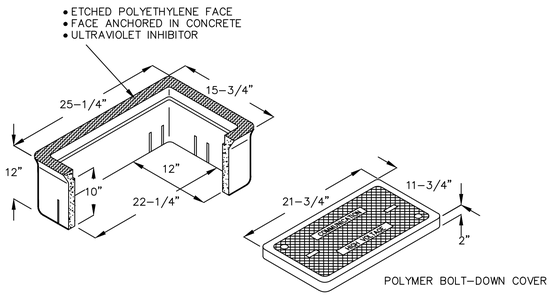
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.01 January 08, 2025 10:46:34am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



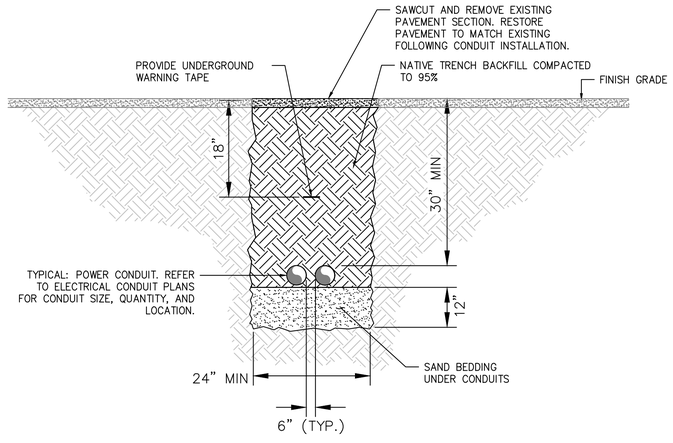
E **TYPICAL NO.5 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



F **TYPICAL NO.7 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



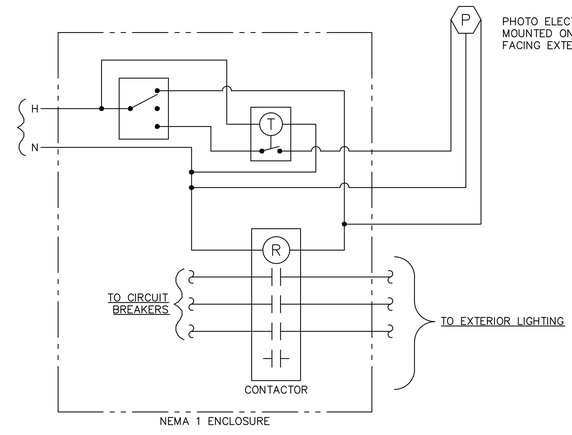
G **TYPICAL COMMUNICATION NO.5 PULL-BOX INSTALLATION DETAIL**
SCALE: N.T.S.



NOTES:

1. ADJUST MINIMUM TRENCH WIDTH TO ACCOMMODATE SPECIFIED CONDUITS IN TRENCH MAINTAINING SEPARATION INDICATED.
2. CEC TABLE 300.5 REQUIRES MINIMUM COVER OF 24" BELOW GRADE UNDER PARKING LOTS AND ROADWAYS. PROVIDE 30" MINIMUM COVER AS INDICATED IN THESE LOCATIONS.
3. CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS INDICATED OTHERWISE ON PLAN VIEW.

Z **TRENCH DETAIL**
SCALE: N.T.S.



H **TYPICAL LIGHTING CONTACTOR AND CONTROL DETAIL**
SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.02 January 08, 2025 10:46:18am K:\JAX_LAND\142806005 – Fernandina beach streetscape\working files\CAD\plan sheets\ES.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E001	1"	NEW	1	(2) #10 AWG CONDUCTORS AND (1) #10 GROUND	ALL	ALL	All connections from pullbox to fixture
E002	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	15	Park Lighting
E003	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	14, 15, 20	South Street Lighting, Park Lighting, Street Receptn
E004	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	19, 21	North Street Lighting, Street Receptn
E005	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 21, 23	Center & North 2nd Steet Lighting, Street Receptn
E006	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	18	North 2nd Street Lighting
E007	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 23	North Street Lighting, Street Receptn
E008	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 23	North Street Lighting, Street Receptn
E009	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16	South 3rd Street Lighting
E010	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 24	Center & South 3rd Street Lighting, Street Receptn
E011	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 17, 22, 24	Center & South 3rd Street Lighting, Street Receptn
E012	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13	South 2nd Street Street Lighting
E013	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 16, 17, 22, 24	Center, South 2nd &3rd Street Lighting, Street Receptn
E014	3"	NEW	1	(12) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 20, 21, 23	Street Lighting, Street Receptn
	3"	NEW	1	(14) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 14, 15, 16, 17, 22, 24	Street Lighting, Street Receptn
E020	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 20	Center Street Lighting, Street Receptn
E021	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	17	North 3rd Street Lighting
E022	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E023	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 17, 20	Center and North 3rd Street Lighting, Street Receptn
E024	2"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCB	22	
E025	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E026	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E027	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E028	3"	NEW	1	(4) #6 AWG CONDUCTORS	LCB	19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E029	3"	NEW	1	(6) #6 AWG CONDUCTORS	LCB	16, 19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E030	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
E031	1"	NEW	1	(2) #8 AWG CONDUCTORS AND (1) #8 GROUND	LCB	24	Library Parking Lot Lighting
E032	3"	NEW	1	(12) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21, 24	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E042	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6GROUND	LCC	16	North East 5th Street Lighting
E043	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16	North East 5th Street Lighting
E044	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16, 21	Center & North 5th Street Lighting, Receptn
E045	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14	North East 6th Street Lighting
E046	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
E047	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	14	North East 6th Street Lighting
E048	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCC	20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E049	3"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
				(4) #6 AWG CONDUCTORS	LCC	17, 20	Center, North 5th & 6th Street Lighting, Receptn
E050	3"	NEW	1	(8) #6 AWG CONDUCTORS	LCC	13, 17, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E051	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	13	North East 7th Street Lighting
E052	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17	Center Street Lighting
E053	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17, 18	Center Street Lighting, Receptn
E054	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCC	13, 17, 18, 19, 20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn
E055	2"	NEW	1	(10) #6 AWG CONDUCTORS (1) #6 GROUND	LCC	13, 17, 18, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E060	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12	South East 3rd Street Lighting
E061	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12, 16	South East 3rd Street Lighting, Receptn
E062	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E063	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E064	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	South West 5th Street Lighting
E065	2"	NEW	1	(4) #6 AWG CONDUCTORS	LC3	15, 18	South West 5th & Center Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	
E066	2"	NEW	1	(6) #6 AWG CONDUCTORS	LC3	11, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South West 5th & Center Street Lighting, Receptn
E067	2"	NEW	1	(8) #6 AWG CONDUCTORS	LC3	11, 13, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South 4tth, 5th & Center Street Lighting, Receptn
E068	3"	NEW	1	(10) #6 AWG CONDUCTORS	LC3	11, 13, 15, 16, 17	South 4tth, 5th & Center Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12, 14, 18	South East 3rd Street & Center Lighting, Receptn
E069	2"	NEW	1	(2) #6 AWG CONDUCTORS	LC3	16	South East 3rd Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12	
E070	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	13	Center &South East 5th Street Lighting
E071	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	13, 14	Center &South East 5th Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS	LC4	18	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	
E072	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	9	South 6th Street Lighting
E073	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	10	South 7th Street Lighting
E074	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	11	Center Street Lighting
E075	2"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	11, 17	Center Street Lighting, Receptn
E076	2"	NEW	1	(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center, South 6th & 7th Street Lighting, Receptn
E077	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	12, 15	Center, South 6th & 7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	
E078	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	9, 12, 15	Center &South7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center & South 6th Street Lighting, Receptn
E079	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	12, 13, 14, 15	Center, South 5th & 7th Street Lighting, Receptn
	3"	NEW	1	(10) #4 AWG CONDUCTORS	LC4	10, 11, 16, 17, 18	Center, South & 6th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting
E080	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	20	North West 5th Street Lighting
E081	2"	NEW	1	(2) #4 AWG CONDUCTORS	LC4	18	Center & North West 5th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting

SITE COMMUNICATION CONDUIT SCHEDULE					
CONDUIT				CABLE	REMARKS
PATH NO.	SIZE	STATUS	QTY		
C100	3"	NEW	1	PULL STING	All connections from pullbox to pullbox

P CONDUIT AND CONDUCTOR SCHEDULE

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING CUTSHEETS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.04 January 08, 2025 10:46:41am K:\JAX_LAL\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.03 January 08, 2025 10:46:46am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00_LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

PANEL NAME (NEW): LC C

LOCATION: NORTH 7TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 125 A
MCB RATING: 125 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1			125	2					1	20	L	LIGHTS	2
3	MAIN								1	20	L	LIGHTS	4
5									1	20	L	LIGHTS	6
7	WEST POWER PEDESTALS	R	100	2					1	20	R	CONTACTOR	8
9									1	20	R	SPRINKLER/TIME CLOCK ON PEDESTAL	10
11	EAST POWER PEDESTALS	R	60	2					1	20	R	CONTACTORS	12
13	**LIGHTING N 7TH**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 6TH**	14
15	SPACE							1,425	1	20	L	**LIGHTING CENTER**	16
17	**LIGHTING CENTER**	L	20	1	1,425	1,260			1	20	R	**CENTER RECEPTACLES**	18
19	**CENTER RECEPTACLES**	R	20	1			1,080	1,080	1	20	R	**CENTER RECEPTACLES**	20
21	**CENTER RECEPTACLES**	R	20	1	1,260							SPACE	22
23	SPACE	R	20	1								SPACE	24
					TOTAL LOAD:		6,395 VA		TOTAL LOAD:			3,585 VA	
					TOTAL AMPS:		53.3 A		TOTAL AMPS:			29.9 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	9980
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11305
RECEPTACLE (R)	4680.0	100.00%	4680.0	TOTAL CONN. (A):	41.6
LIGHTING (L)	5300.0	125.00%	6625.0	TOTAL EST. DEMAND (A):	47.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	38%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

NOTES:
REMOVE THE EXISTING ELECTRICAL PANEL AND CAREFULLY DISCONNECT ALL ASSOCIATED WIRING. INSTALL A NEW 120/240V, 1-PHASE, 200A NEMA 1 DISTRIBUTION PANEL IN THE SAME LOCATION. REPLACE EXISTING BREAKERS WITH NEW BREAKERS MATCHING THE SPECIFICATIONS, RATINGS, AND CONFIGURATIONS OF THE ORIGINAL BREAKERS TO PROTECT ALL EXISTING CIRCUITS. RECONNECT ALL EXISTING WIRING TO THE NEW PANEL IN ACCORDANCE WITH THE ORIGINAL CONFIGURATION, ENSURING COMPLIANCE WITH NEC AND LOCAL ELECTRICAL CODES. TEST THE PANEL AND BREAKERS FOR PROPER OPERATION, AND PROVIDE AS-BUILT DOCUMENTATION, INCLUDING AN UPDATED PANEL SCHEDULE.

I PANEL LCC PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 4

LOCATION: SOUTH 6TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHT	L	30	1					1	30	L	STREET LIGHT	2
3	PHOTO CELL	R	20	1					1	30	L	STREET LIGHT	4
5	OUTLET BELOW	R	20	1					1	20	L	LIGHT IN THIS CABINET	6
7	EXISTING	L	20	1					1	20	R	IRRIGATION TIME CLOCK	8
9	**LIGHTING SOUTH 6TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 7TH**	10
11	**LIGHTING CENTER (EAST)**	L	20	1			1,625	1,135	1	20	L	**LIGHTING CENTER**	12
13	**LIGHTING CENTER**	L	20	1	1,825	1,260			1	20	R	**RECEPTACLES W 6TH**	14
15	**RECEPTACLES E 6TH**	R	20	1			1,260	1,260	1	20	R	**RECEPTACLES E 7TH**	16
17	**RECEPTACLES E 7TH**	R	20	1	720							SPACE	18
19	SPACE											SPACE	20
					TOTAL LOAD:		6,010 VA		TOTAL LOAD:			5,280 VA	
					TOTAL AMPS:		50.1 A		TOTAL AMPS:			44 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	11290
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	12987.5
RECEPTACLE (R)	4500.0	100.00%	4500.0	TOTAL CONN. (A):	47
LIGHTING (L)	6790.0	125.00%	8487.5	TOTAL EST. DEMAND (A):	54.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	27%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

J PANEL LC4 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 3

LOCATION: SOUTH 4TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	2
3	STREET LIGHTS	L	20	1					1	30	L	STREET LIGTHS	4
5	OUTLET BELOW	R	20	1					1	20	L	STREET LIGTHS	6
7	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	8
9	STREET LIGHTS	L	30	1					1	20	R	SPRINKLER/FOUNTAIN TIME CLOCK	10
11	FOUNTAIN	M	20	1			1,600	1,180	1	20	L	**LIGHTING SOUTH 3RD**	12
13	**LIGHTING SOUTH 4TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 5TH**	14
15	**LIGHTING CENTER**	L	20	1			1,335	1,080	1	20	R	**RECEPTACLES S CENTER**	16
17	**RECEPTACLES S CENTER**	R	20	1	1,260	900			1	20	R	**RECEPTACLES S CENTER**	18
19	SPACE											SPACE	20
					TOTAL LOAD:		4,365 VA					5,195 VA	
					TOTAL AMPS:		36.4 A					43.3 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	1600.0	125.00%	2000.0	TOTAL CONN. LOAD (VA):	9560
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11140
RECEPTACLE (R)	3240.0	100.00%	3240.0	TOTAL CONN. (A):	39.8
LIGHTING (L)	4720.0	125.00%	5900.0	TOTAL EST. DEMAND (A):	46.4
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	23%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

K PANEL LC3 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING) : LC B

LOCATION: NORTH 3RD ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	POWER PEDISTAL	R	100	2					1	30	L	N. 3RD STREET LIGHTS	2
3									1	30	L	LIGHTS	4
5	LIGHTS	L	30	1					1	30		EXISTING	6
7	LIBRARY PARKING LIGHTS	L	30	1					1	20		EXISTING	8
9	EXISTING		20	1					1	20		EXISTING	10
11	EXISTING		20	1					2	30		EXISTING	12
13			100	2									14
15	EXISTING							980	1	20	L	**LIGHTING CENTER ST**	16
17	**LIGHTING N 3RD**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 4TH**	18
19	**LIGHTING CENTER ST**	L	20	1			890	540	1	20	R	**RECEPTACLES W 3RD**	20
21	**RECEPTACLES E 3RD**	R	20	1	1,080	1,440			1	20	R	**RECEPTACLES E 3RD**	22
23	**POWER PEDISTAL**	R	100	2				204	1	20	L	**LIBRARY PARKING LIGHTS**	24
25												SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		4,970 VA		TOTAL LOAD:			2,614 VA	
					TOTAL AMPS:		41.4 A		TOTAL AMPS:			21.8 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	7584
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	8715
RECEPTACLE (R)	3060.0	100.00%	3060.0	TOTAL CONN. (A):	31.6
LIGHTING (L)	4524.0	125.00%	5655.0	TOTAL EST. DEMAND (A):	36.3
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	18%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

L PANEL LCB PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 2/A

LOCATION: SOUTH 2ND & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

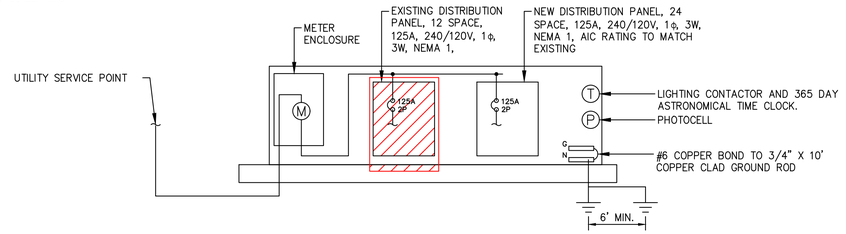
AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1		R	100	2					2	80	R		2
3	MAIN											PEDS. NORTH 2ND WEST SIDE	4
5	PED SOUTH 2ND	L	20	1					2	100	R		6
7	EAST WEST SIDE	L	20	1								PEDS NORTH 2ND CENTERE ST	8
9	PED SOUTH 2ND	L	20	1					1	20	L	STREET LIGHTS SOUTH WEST	10
11	EAST WEST	L	20	1					1	20	R	PHOTCELL BYPASS SWITCH	12
13	**LIGHTING SOUTH 2ND**	L	20	1	1,225	935			1	20	L	**LIGHTING SOUTH CENTRE**	14
15	**LIGHTING PARK**	L	20	1			729	1,129	1	20	L	**LIGHTING SOUTH 3RD**	16
17	**LIGHTING CENTRE**	L	20	1	1,129	1,225			1	20	L	**LIGHTING NORTH 2ND**	18
19	**LIGHTING NORTH CENTRE**	L	20	1			1,335	1,800	1	20	R	**RECEPTACLES S CENTER**	20
21	**RECEPTACLES N CENTER**	R	20	1	1,080	720			1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	22
23	**RECEPTACLES N CENTER (EAST OF 2ND)**	R	20	1			900	1,080	1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	24
25	**RECEPTACLES N CENTER**	R	20	1	900							SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		7,214 VA					6,973 VA	
					TOTAL AMPS:		60.1 A					58.1 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	14187
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	16113.75
RECEPTACLE (R)	6480.0	100.00%	6480.0	TOTAL CONN. (A):	59.1
LIGHTING (L)	7707.0	125.00%	9633.8	TOTAL EST. DEMAND (A):	67.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	67%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

M PANEL LC2/A PANEL SCHEDULE

SCALE: N.T.S.



N METER PEDESTAL SINGLE LINE DIAGRAM (PANEL LCC)

SCALE: N.T.S.

Panel Name	Existing Load (kW)	Removed Load (kW)	New Load (kW)	Total Load (kW)	Panel Capacity (kW)	Percent Loaded
Panel LCC	3.39	2.37	11.3	12.32	30	41%
Panel LC4	2.46	1.72	15.9	16.64	48	35%
Panel LC3	58.66	41.06	11.14	28.74	48	60%
Panel LCB	3.84	2.69	8.7	9.85	48	21%
Panel LC2A	1.67	1.17	16.11	16.61	48	35%

EXISTING LOADS WERE DETERMINED BASED ON THE PEAK ENERGY CONSUMPTION RECORDED DURING THE HIGHEST-USE MONTH IN THE BILLING HISTORY

O PANEL LOAD SUMMARY (ALL PANELS)

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.03

cyclone

Campana SN21P1
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

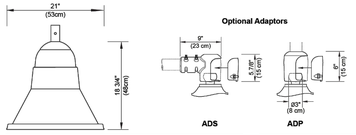
Ordering Code

Model	Lens	Distribution	Performance Package	CCT	Volts	Surge Protector
SN21P1	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 * Backward optic	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ACS	DIM 0-10 volts wire for external controls PND506 Program 50% for 6 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD* Field adjustable 10% increment step-dimming switch * Contact factory for wireless controls and more information regarding SD option.	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 0.78 ft² **Weight:** 23.6 lbs / 10.7 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 **www.cyclonelighting.com**
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2023 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2023/07

Q TYPE T2 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

cyclone

Campana CN55P1A
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

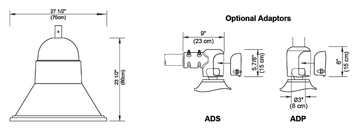
Ordering Code

Model	Lens	Distribution	Performance package	CCT	Volts	Surge protector
CN55P1A	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 TCW Crosswalk * Backward optic T3M81A	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm) P80 (17500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
– Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	– PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ADS	– DIM 0-10 volts wire for external controls PND506 Program 50% for 8 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD Field adjustable 10% increment step-dimming switch	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 1.25 ft² **Weight:** 55.3 lbs / 25.1 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 www.cyclonelighting.com
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2024 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2024/06

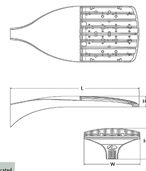
R TYPE T1 & T3 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

D-Series Size 1
LED Area Luminaire

dsx series

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Catalog Number
Notes
Type

Fill the Tab key or mouse over the page to see all interactive elements.

Introduction
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.
The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Design Select options indicated by this color background.

design select
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information
EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P6 P2 P7 P3 P8 P4 P9 P5 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare[2] T4M Type IV medium T4LG Type IV low glare[2] TFTM Forward throw medium T5M Type V medium T5G Type V low glare T5W Type V wide BLC3 Type III backlight control[3] BLC4 Type IV backlight control[3] LCCO Left corner cutoff[3] RCCO Right corner cutoff[3]	MVOLT (120V-277V)[4] HVOLT (347V-480V)[5,6] VHVOLT (277V-480V)[5,6] 120[4,36] 208[4,36] 240[4,36] 277[4,36] 347[4,36] 480[4,36]	**Shipped included** SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling[4] RPA5 Round pole mounting #5 drilling[4] SPA8N Square narrow pole mounting (#8 drilling) WBA Wall bracket[4] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options		Other options		Finish (required)	
Shipped installed		**Shipped installed**		DDBXD Dark Bronze	
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[7,11,35,37]	PER7 Seven-pin receptacle only (controls ordered separately)[8,37]	SPD20KV 20KV surge protection		DBLBD Black	
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[35,37]	FAO Field adjustable output[14,37]	HS Houseside shield (black finish standard)[37]		DNAXD Natural Aluminum	
PER NEMA twist-lock receptacle only (controls ordered separately)[8]	BL30 Bi-level switched dimming, 30%[9,37]	L90 Left rotated optics[1]		DWHXD White	
PERS Five-pin receptacle only (controls ordered separately)[8,37]	BL50 Bi-level switched dimming, 50%[9,37]	R90 Right rotated optics[1]		DDBTXD Textured dark bronze	
	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[37]	CCE Coastal Construction[35]		DBLBXD Textured black	
	DS Dual switching[10,11,37]	HA 50°C ambient operation[36]		DNATXD Textured natural aluminum	
		BAA Buy America(n) Act and/or Build America Buy America Qualified		DWHGXD Textured white	
		SF Single fuse (120, 277, 347V)[4]			
		DF Double fuse (208, 240, 480V)[4]			
		Shipped separately			
		EGSR External Glare Shield (reversible, field install required, matches housing finish)			
		BSDB Bird Spikes (field install required)			

LITHONIA LIGHTING
COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2011-2024 Acuity Brands Lighting, Inc. All rights reserved.

S TYPE T4 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

REVISIONS | DATE | BY | No.

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.05 January 08, 2025 10:46:53am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.06 January 08, 2025 10:47:05am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Panel LCC - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	15	120	1	0.11%	2
3	STA7014+73.40	2	13,336	NM	Copper	1	Set of	6	6.1	212	120	1	1.06%	3
4	STA7016+58.49	3	1,247	NM	Copper	1	Set of	6	4.066667	203	120	1	1.67%	4
5	STA7018+09.25	4	667	NM	Copper	1	Set of	6	2.033333	171	120	1	1.92%	5

Panel LCC - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.16667	340	120	1	1.67%	2
3	STA6015+06.01	2	1,308	NM	Copper	1	Set of	4	6.1	170	120	1	2.17%	3
4	STA6016+70.34	3	881	NM	Copper	1	Set of	6	4.066667	190	120	1	2.74%	4
5	STA6018+26.76	4	560	NM	Copper	1	Set of	6	2.033333	175	120	1	3.00%	5

Panel LCC - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA113+97.05	1	42,472	NM	Copper	1	Set of	4	8.316667	335	120	1	1.35%	2
3	STA113+38.13	2	1,327	NM	Copper	1	Set of	4	6.283333	108	120	1	1.67%	3
4	STA112+78.87	3	1,011	NM	Copper	1	Set of	6	4.25	185	120	1	2.25%	4
5	STA111+98.46	4	616	NM	Copper	1	Set of	6	2.216667	113	120	1	2.43%	5
6	STA5017+32.87	5	497	NM	Copper	1	Set of	6	2.033333	382	120	1	3.00%	6

Panel LCC - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	12.38333	53	120	1	0.48%	2
3	STA117+15.14	2	4,871	NM	Copper	1	Set of	6	6.283333	64	120	1	0.78%	3
4	STA117+98.92	3	2,354	NM	Copper	1	Set of	8	4.25	212	120	1	1.81%	4
5	STA118+30.81	4	642	NM	Copper	1	Set of	8	4.066667	160	120	1	2.56%	5
6	STA119+33.81	5	414	NM	Copper	1	Set of	8	2.033333	156	120	1	2.93%	6

Panel LCC - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 5	1	42,472	NM	Copper	1	Set of	8	10.5	179	120	1	2.16%	2
3	LCC RECEPTACLE 1	2	1,019	NM	Copper	1	Set of	10	3	119	120	1	2.82%	3
4	LCC RECEPTACLE 2	3	502	NM	Copper	1	Set of	10	1.5	29	120	1	2.90%	4

Panel LCC - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	10	9	52	120	1	0.86%	2
3	LCC PULL BOX 6	2	2,149	NM	Copper	1	Set of	10	4.5	104	120	1	1.72%	3
4	LCC RECEPTACLE 3	3	741	NM	Copper	1	Set of	10	3	25	120	1	1.85%	4
5	LCC RECEPTACLE 4	4	641	NM	Copper	1	Set of	10	1.5	49	120	1	1.99%	5

Panel LCC - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	234	120	1	1.54%	2
3	LCC RECEPTACLE 5	2	1,211	NM	Copper	1	Set of	10	4.5	116	120	1	2.50%	3
4	LCC RECEPTACLE 6	3	552	NM	Copper	1	Set of	10	3	39	120	1	2.72%	4
5	LCC RECEPTACLE 7	4	467	NM	Copper	1	Set of	10	1.5	32	120	1	2.80%	5

Panel LCC - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 8	1	42,472	NM	Copper	1	Set of	4	10.5	398	120	1	2.02%	2
3	LCC PULL BOX 9	2	1,123	NM	Copper	1	Set of	6	6	135	120	1	2.61%	3
4	LCC PULL BOX 10	3	739	NM	Copper	1	Set of	6	3	66	120	1	2.76%	4
5	LCC RECEPTACLE 8	4	633	NM	Copper	1	Set of	10	1.5	49	120	1	2.89%	5

T PANEL LCC VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LCB - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	8.133333	212	120	1	1.26%	2
3	LCB PULL BOX 2	2	1,332	NM	Copper	1	Set of	6	4.066667	99	120	1	1.56%	3
4	STA104+88.04	3	917	NM	Copper	1	Set of	6	2.033333	55	120	1	1.64%	4

Panel LCB - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.16667	19	120	1	0.14%	2
3	STA3015+16.35	2	11,274	NM	Copper	1	Set of	6	6.1	126	120	1	0.71%	3
4	STA3015+93.43	3	1,920	NM	Copper	1	Set of	6	4.066667	279	120	1	1.54%	4
5	STA3017+56.28	4	677	NM	Copper	1	Set of	6	2.033333	176	120	1	1.80%	5

Panel LCB - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	2	10.16667	454	120	1	1.46%	2
3	STA4016+04.97	8	835	NM	Copper	1	Set of	6	4.066667	88	120	1	2.20%	3
4	STA4017+66.55	3	667	NM	Copper	1	Set of	6	2.033333	177	120	1	2.47%	4
5	STA4015+16.88	2	1,540	NM	Copper	1	Set of	6	6.1	100	120	1	1.91%	5
6	STA4016+78.17	5	1,008	NM	Copper	1	Set of	6	4.066667	161	120	1	2.39%	6
7	STA4018+41.62	6	647	NM	Copper	1	Set of	6	2.033333	164	120	1	2.63%	7
8	P8 4TH STREET	2	1,540	NM	Copper	1	Set of	6	4.066667	160	120	1	1.94%	8

Panel LCB - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	4.433333	357	120	1	1.16%	2
3	LCB PULL BOX 4	2	801	NM	Copper	1	Set of	6	4.25	121	120	1	1.54%	3
4	LCB PULL BOX 6	3	601	NM	Copper	1	Set of	6	2.216667	40	120	1	1.60%	4
5	LCB PULL BOX 7	4	556	NM	Copper	1	Set of	6	0.183333	83	120	1	1.61%	5

Panel LCB - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE 1	1	42,472	NM	Copper	1	Set of	6	4.5	335	120	1	1.11%	2
3	LCB RECEPTACLE 2	2	853	NM	Copper	1	Set of	10	3	25	120	1	1.24%	3
4	LCB RECEPTACLE 3	3	722	NM	Copper	1	Set of	10	1.5	30	120	1	1.33%	4

Panel LCB - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 8	1	42,472	NM	Copper	1	Set of	6	9	270	120	1	1.78%	2
3	LCB PULL BOX 5	2	1,053	NM	Copper	1	Set of	6	1.5	115	120	1	1.91%	3

Panel LCB - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	4	12	445	120	1	2.58%	2
3	LCB PULL BOX 6	2	1,007	NM	Copper	1	Set of	4	7.5	34	120	1	2.70%	3
4	LCB RECEPTACLE 4	3	937	NM	Copper	1	Set of	6	3	91	120	1	2.90%	4
5	LCB RECEPTACLE 5	4	725	NM	Copper	1	Set of	10	1.5	20	120	1	2.96%	5
6	R1	3	937	NM	Copper	1	Set of	10	4.5	20	120	1	2.87%	6
7	R2	6	808	NM	Copper	1	Set of	10	3	16	120	1	2.96%	7
8	R3	7	728	NM	Copper	1	Set of	10	1.5	16	120	1	3.00%	8

Panel LCB - Circuit 23&25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE BOLLARD 1	1	42,472	NM	Copper	1	Set of	1	30	261	240	1	1.04%	2

Panel LCB - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 9	1	42,472	NM	Copper	1	Set of	6	1.7	102	120	1	0.13%	2
3	LCB LIGHT 1	2	2,679	NM	Copper	1	Set of	8	0.85	137	120	1	0.26%	3

U PANEL LCB VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC4- Circuit 9

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	8	10.16667	17	120	1	0.20%	2
3	STA6011+93.15	2	8,736	NM	Copper	1	Set of	8	6.1	105	120	1	0.94%	3
4	STA6010+44.34	3	1,479	NM	Copper	1	Set of	8	4.066667	170	120	1	1.73%	4
5	STA6009+63.82	4	631	NM	Copper	1	Set of	8	2.033333	101	120	1	1.97%	5

Panel LC4 - Circuit 10

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 1	1	42,472	NM	Copper	1	Set of	4	8.133333	377	120	1	1.48%	2
3	STA7012+89.95	2	1,184	NM	Copper	1	Set of	8	4.066667	204	120	1	2.44%	3
4	STA7010+75.45	3	517	NM	Copper	1	Set of	8	2.033333	227	120	1	2.97%	4

Panel LC4- Circuit 11

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.5	477	120	1	1.96%	2
3	LC4 PULL BOX 3	2	941	NM	Copper	1	Set of	4	6.283333	124	120	1	2.34%	3
4	STA118+61.55	3	750	NM	Copper	1	Set of	6	4.066667	120	120	1	2.69%	4
5	STA119+33.55	4	573	NM	Copper	1	Set of	6	2.033333	117	120	1	2.87%	5

Panel LC4 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	8	6.466667	220	120	1	1.64%	2
3	LC4 PULL BOX 5	2	833	NM	Copper	1	Set of	8	4.25	85	120	1	2.05%	3
4	STA116+16.09	3	604	NM	Copper	1	Set of	8	2.033333	124	120	1	2.34%	4

Panel LC4 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	6	10.71667	106	120	1	0.83%	2
3	LC4 PULL BOX 7	2	2,584	NM	Copper	1	Set of	6	8.5	140	120	1	1.71%	3
4	LC4 PULL BOX 8	3	1,153	NM	Copper	1	Set of	6	6.283333	86	120	1	2.10%	4
5	STA5013+17.45	4	861	NM	Copper	1	Set of	8	4.066667	84	120	1	2.49%	5
6	STA5011+58.93	5	621	NM	Copper	1	Set of	8	2.033333	175	120	1	2.90%	6

Panel LC4 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	8	10.5	108	120	1	1.30%	2
3	LC4 RECEPTACLE 1	2	1,663	NM	Copper	1	Set of	8	4.5	149	120	1	2.08%	3
4	LC4 PULL BOX 8	3	715	NM	Copper	1	Set of	10	3	95	120	1	2.60%	4

Panel LC4 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	10.5	214	120	1	1.65%	2
3	LC4 PULL BOX 5	2	1,320	NM	Copper	1	Set of	10	6	84	120	1	2.57%	3
4	LC4 RECEPTACLE 9	3	680	NM	Copper	1	Set of	10	1.5	121	120	1	2.90%	4

Panel LC4 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.5	480	120	1	2.44%	2
3	LC4 RECEPTACLE 6	2	935	NM	Copper	1	Set of	10	4.5	16	120	1	2.57%	3
4	LC4 RECEPTACLE 7	3	830	NM	Copper	1	Set of	10	3	47	120	1	2.83%	4
5	LC4 RECEPTACLE 8	4	623	NM	Copper	1	Set of	10	1.5	27	120	1	2.90%	5

Panel LC4 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 3	1	42,472	NM	Copper	1	Set of	4	6	618	120	1	1.79%	2
3	LC4 RECEPTACLE 3	2	730	NM	Copper	1	Set of	10	4.5	100	120	1	2.62%	3
4	LC4 RECEPTACLE 4	3	451	NM	Copper	1	Set of	10	3	34	120	1	2.80%	4
5	LC4 RECEPTACLE 5	4	399	NM	Copper	1	Set of	10	1.5	30	120	1	2.89%	5

Panel LC4 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	4	9	440	120	1	1.91%	2
3	LC4 RECEPTACLE 10	2	1,018	NM	Copper	1	Set of	10	6	20	120	1	2.13%	3
4	LC4 RECEPTACLE 11	3	868	NM	Copper	1	Set of	10	4.5	30	120	1	2.38%	4
5	LC4 RECEPTACLE 12	4	711	NM	Copper	1	Set of	10	3	31	120	1	2.55%	5
6	LC4 RECEPTACLE 13	5	599	NM	Copper	1	Set of	10	1.5	34	120	1	2.65%	6

Panel LC4 - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	2	12.2	440	120	1	1.70%	2
3	STA5015+33.99	2	1,587	NM	Copper	1	Set of	6	6.1	146	120	1	2.35%	3
4	STA5016+34.22	3	884	NM	Copper	1	Set of	6	4.066667	119	120	1	2.71%	4
5	STA5018+11.81	4	650	NM	Copper	1	Set of	6	2.033333	195	120	1	3.00%	5

Y PANEL LC4 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.06

Panel LC2A - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	12	120	1	0.09%	2
3	STA2012+27.34	2	15,457	NM	Copper	1	Set of	6	4.066667	270	120	1	0.88%	3
4	STA2010+41.29	3	1,009	NM	Copper	1	Set of	6	2.033333	197	120	1	1.19%	4

Panel LC2A - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.283333	89	120	1	0.41%	2
3	LC2A PULL BOX 3	2	3,042	NM	Copper	1	Set of	6	4.25	119	120	1	0.78%	3
4	LC2A PULL BOX 4	3	1,357	NM	Copper	1	Set of	6	4.066667	113	120	1	1.12%	4
5	STA100+16.77	4	889	NM	Copper	1	Set of	6	2.033333	52	120	1	1.20%	5

Panel LC2A - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	6.1	334	120	1	1.49%	2
3	LC2A PULL BOX 6	2	855	NM	Copper	1	Set of	6	4.066667	28	120	1	1.58%	3
4	STA100+93.57	3	791	NM	Copper	1	Set of	6	2.033333	28	120	1	1.62%	4

Panel LC2A - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	6.466667	323	120	1	1.53%	2
3	LC2A PULL BOX 8	2	884	NM	Copper	1	Set of	6	6.283333	80	120	1	1.90%	3
4	STA3012+76.00	3	711	NM	Copper	1	Set of	6	4.066667	105	120	1	2.21%	4
5	STA3010+73.28	4	566	NM	Copper	1	Set of	6	2.033333	218	120	1	2.54%	5

Panel LC2A - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.466667	86	120	1	0.41%	2
3	LC2A PULL BOX 9	2	3,140	NM	Copper	1	Set of	6	2.216667	155	120	1	0.66%	3
4	STA104+02.47	3	1,176	NM	Copper	1	Set of	6	0.183333	126	120	1	0.68%	4

Panel LC2A - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 10	1	42,472	NM	Copper	1	Set of	6	10.16667	167	120	1	1.25%	2
3	STA2014+97.22	2	1,677	NM	Copper	1	Set of	6	6.1	120	120	1	1.78%	3
4	STA2016+65.95	3	892	NM	Copper	1	Set of	6	4.066667	182	120	1	2.32%	4
5	STA2018+18.33	4	613	NM	Copper	1	Set of	6	2.033333	166	120	1	2.57%	5

Panel LC2A - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	6.65	133	120	1	0.65%	2
3	LC2A PULL BOX 12	2	2,085	NM	Copper	1	Set of	6	4.433333	128	120	1	1.06%	3
4	LC2A PULL BOX 13	3	1,089	NM	Copper	1	Set of	6	2.4	70	120	1	1.19%	4
5	LC2A PULL BOX 14	4	863	NM	Copper	1	Set of	6	2.216667	88	120	1	1.33%	5
6	STA100+29.48	5	685	NM	Copper	1	Set of	6	2.033333	25	120	1	1.37%	6

Panel LC2A - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	15	87	120	1	0.96%	2
3	LC2A PULL BOX 3	2	3,107	NM	Copper	1	Set of	6	9	116	120	1	1.72%	3
4	LC2A PULL BOX 4	3	1,389	NM	Copper	1	Set of	6	7.5	113	120	1	2.34%	4
5	LC2A RECEPTACLE 1	4	903	NM	Copper	1	Set of	10	3	15	120	1	2.43%	5
6	LC2A RECEPTACLE 2	5	810	NM	Copper	1	Set of	10	1.5	25	120	1	2.50%	6

Panel LC2A - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 13	1	42,472	NM	Copper	1	Set of	6	9	321	120	1	2.12%	2
3	LC2A RECEPTACLE 3	2	889	NM	Copper	1	Set of	10	3	95	120	1	2.64%	3
4	LC2A RECEPTACLE 4	3	518	NM	Copper	1	Set of	10	1.5	14	120	1	2.68%	4

Panel LC2A - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 15	1	42,472	NM	Copper	1	Set of	6	7.5	145	120	1	0.80%	2
3	LC2A PULL BOX 16	2	1,920	NM	Copper	1	Set of	6	4.5	118	120	1	1.19%	3
4	LC2A RECEPTACLE 5	3	1,081	NM	Copper	1	Set of	10	3	16	120	1	1.27%	4
5	LC2A RECEPTACLE 6	4	942	NM	Copper	1	Set of	10	1.5	36	120	1	1.37%	5

Panel LC2A - Circuit 23

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 17	1	42,472	NM	Copper	1	Set of	6	7.5	195	120	1	1.07%	2
3	LC2A PULL BOX 9	2	1,445	NM	Copper	1	Set of	10	6	49	120	1	1.61%	3
4	LC2A RECEPTACLE 7	3	902	NM	Copper	1	Set of	10	1.5	128	120	1	1.96%	4

Panel LC2A - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	318	120	1	2.10%	2
3	LC2A RECEPTACLE 8	2	898	NM	Copper	1	Set of	10	4.5	84	120	1	2.79%	3
4	LC2A RECEPTACLE 9	3	547	NM	Copper	1	Set of	10	3	24	120	1	2.92%	4
5	LC2A RECEPTACLE 10	4	492	NM	Copper	1	Set of	10	1.5	29	120	1	3.00%	5

Panel LC2A - Circuit 25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	7.5	133	120	1	0.73%	2
3	LC2A RECEPTACLE 11	2	2,085	NM	Copper	1	Set of	10	6	16	120	1	0.91%	3
4	LC2A RECEPTACLE 12	3	1,625	NM	Copper	1	Set of	10	4.5	22	120	1	1.09%	4
5	LC2A RECEPTACLE 13	4	1,246	NM	Copper	1	Set of	10	3	30	120	1	1.25%	5
6	LC2A RECEPTACLE 14	5	946	NM	Copper	1	Set of	10	1.5	34	120	1	1.33%	6

W PANEL LC1A VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC3 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.316667	297	120	1	1.19%	2
3	STA106+02.04	2	1,491	NM	Copper	1	Set of	6	6.1	114	120	1	1.70%	3
4	STA3011+79.48	3	942	NM	Copper	1	Set of	6	4.066667	204	120	1	2.31%	4
5	STA3009+82.00	4	568	NM	Copper	1	Set of	6	2.033333	217	120	1	2.64%	5

Panel LC3 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	10	120	1	0.07%	2
3	STA4013+13.27	2	17,290	NM	Copper	1	Set of	6	6.1	97	120	1	0.51%	3
4	STA4011+46.64	3	2,561	NM	Copper	1	Set of	6	4.066667	368	120	1	1.61%	4
5	STA4009+72.12	4	605	NM	Copper	1	Set of	6	2.033333	198	120	1	1.90%	5

Panel LC3 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA110+79.14	1	42,472	NM	Copper	1	Set of	4	8.133333	502	120	1	1.97%	2
3	STA5012+39.86	2	895	NM	Copper	1	Set of	4	6.1	190	120	1	2.53%	3
4	STA5010+81.80	3	653	NM	Copper	1	Set of	4	4.066667	170	120	1	2.87%	4
5	STA5009+72.63	4	526	NM	Copper	1	Set of	4	2.033333	130	120	1	3.00%	5

Panel LC3 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	6.65	145	120	1	0.71%	2
3	LC3 PULL BOX 4	2	1,920	NM	Copper	1	Set of	6	4.433333	85	120	1	0.98%	3
4	STA110+22.24	3	1,231	NM	Copper	1	Set of	6	0.366667	152	120	1	1.02%	4
5	STA110+74.43	4	750	NM	Copper	1	Set of	6	0.183333	142	120	1	1.04%	5

Panel LC3 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	9	289	120	1	1.91%	2
3	LC3 RECEPTACLE 1 ob	2	986	NM	Copper	1	Set of	6	1.5	109	120	1	2.03%	3
4	LC3 RECEPTACLE 1	3	720	NM	Copper	1	Set of	10	1.5	15	15	1	2.36%	4

Panel LC3 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.5	141	120	1	1.09%	2
3	LC3 PULL BOX 4	2	1,972	NM	Copper	1	Set of	6	6	84	120	1	1.46%	3
4	LC3 RECEPTACLE 2	3	1,258	NM	Copper	1	Set of	10	4.5	117	120	1	2.42%	4
5	LC3 RECEPTACLE 3	4	559	NM	Copper	1	Set of	10	3	26	120	1	2.56%	5
6	LC3 RECEPTACLE 4	5	498	NM	Copper	1	Set of	10	1.5	37	120	1	2.67%	6

Panel LC3 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 5	1	42,472	NM	Copper	1	Set of	4	9	304	120	1	1.32%	2
3	LC3 RECEPTACLE 5	2	1,458	NM	Copper	1	Set of	6	6	165	120	1	2.05%	3
4	LC3 RECEPTACLE 6	3	799	NM	Copper	1	Set of	10	4.5	28	120	1	2.28%	4
5	LC3 RECEPTACLE 7	4	671	NM	Copper	1	Set of	10	1.5	19	120	1	2.33%	5

X PANEL LC3 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

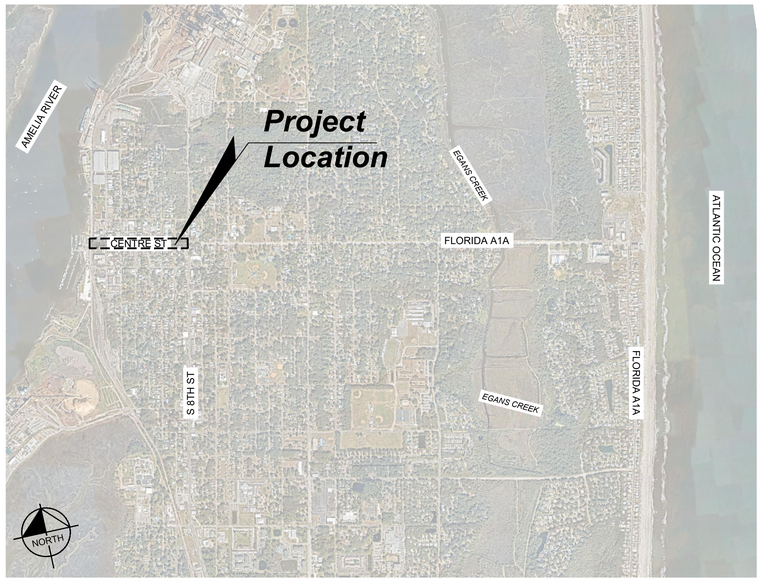
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.07 January 08, 2025 10:47:13am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

STREETSCAPE PLANS
HARDSCAPE, PLANTING, IRRIGATION
FOR
CITY OF FERNANDINA BEACH - FLORIDA
PHASE I - CENTRE STREET

JANUARY 8TH, 2025



VICINITY MAP
NOT TO SCALE

LANDSCAPE ARCHITECT:
MATTHEW A. JURNEY, PLA
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 420-4779

CIVIL ENGINEER:
BRIAN DEITSCH, PE.
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 828-3936

TOPOGRAPHIC SURVEYOR:
MICHAEL A. MANZIE, PLS.
117 SOUTH NINTH STREET
FERNANDINA BEACH, FLORIDA 32034
PHONE (904) 491-5700

ELECTRICAL ENGINEER:
PETER SYNTAX, PE
KIMLEY-HORN AND ASSOCIATES, INC.
1661 E CAMELBACK RD #400
PHEONIX, ARIZONA
PHONE: (602) 291-9521

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

COVER SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.00 January 08, 2025 10:23:39am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C0.00_COVER SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY INDEX TABLE	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY

BRIAN S. DEITSCH LICENSE No. 77073 STATE OF FLORIDA PROFESSIONAL ENGINEER

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
BRIAN S. DEITSCH No. 77073

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BRIAN S. DEITSCH, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

INDEX OF SHEETS	
Sheet Number	Sheet Title
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN

REGISTERED LANDSCAPE ARCHITECT MATTHEW A. JURNEY LA6666993 STATE OF FLORIDA

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
MATTHEW A. JURNEY, PLA No. LA6666993

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MATTHEW A. JURNEY, PLA ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 6110.11.010 F.A.C..

INDEX OF SHEETS	
Sheet Number	Sheet Title
C0.00	COVER SHEET
C0.01	SIGNATURE SHEET
C0.02	GENERAL NOTES
C0.03	STORM WATER POLLUTION PREVENTION DETAILS
C0.04	KEY MAP
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C2.50	TREE DISPOSITION NOTES AND DETAILS
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
H1.01	HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
H1.08	HARDSCAPE PLAN SCHEDULES
H1.50	HARDSCAPE DETAILS
H1.51	HARDSCAPE DETAILS
H1.52	HARDSCAPE DETAILS
H1.53	HARDSCAPE DETAILS
H1.54	HARDSCAPE DETAILS

L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L1.08	PLANTING SCHEDULE
L1.50	PLANTING NOTES
L1.51	PLANTING DETAILS
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN
L2.08	IRRIGATION SCHEDULES
L2.50	IRRIGATION NOTES
L2.51	IRRIGATION DETAILS
L2.52	IRRIGATION DETAILS

PETER M. SYNTAX LICENSE No. 74259 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/28/2025

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
PETER SYNTAX No. 74259

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PETER SYNTAX ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

LIGHTING PLANS	
Sheet Number	Sheet Title
E1.00	GENERAL NOTES
E1.01	LIGHTING PLAN
E1.02	LIGHTING PLAN
E1.03	LIGHTING PLAN
E1.04	LIGHTING PLAN
E1.05	LIGHTING PLAN
E1.06	LIGHTING PLAN
E1.07	LIGHTING PLAN
E2.01	LIGHTING PLAN
E2.02	LIGHTING PLAN
E2.03	LIGHTING PLAN
E2.04	LIGHTING PLAN
E2.05	LIGHTING PLAN
E2.06	LIGHTING PLAN
E2.07	LIGHTING PLAN
E2.08	LIGHTING PLAN
E2.09	LIGHTING PLAN
E2.10	LIGHTING PLAN
E2.11	LIGHTING PLAN
E2.12	LIGHTING PLAN
E3.01	LIGHTING DETAILS
E3.02	LIGHTING DETAILS
E3.03	LIGHTING PANEL SCHEDULES
E3.04	LIGHTING DETAILS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

SIGNATURE SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

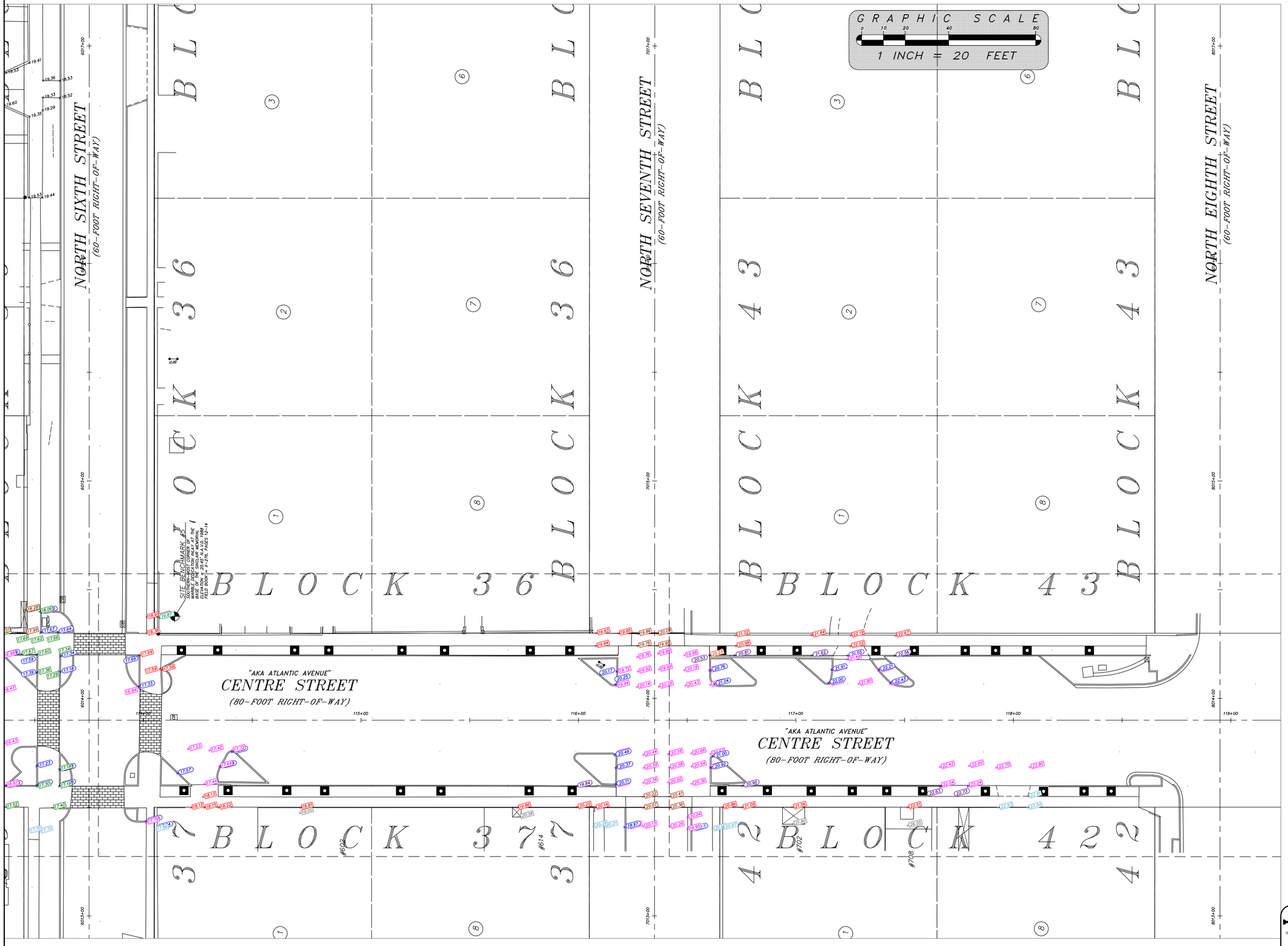
SHEET NUMBER
C0.01

Plotted By:Zlegmont Charles Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.01 January 08, 2025 11:26:51am K:\JAX_LALP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CADD\Plan Sheets\C0.01 SIGNATURE SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY

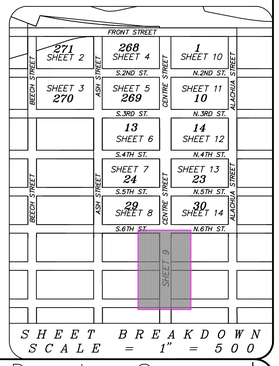
SHEET NUMBER: S0.06

MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY



ADDITIONAL ELEVATIONS – OCTOBER 2024

POINT	LAYER NAME	DESCRIPTION
14.02	POINTS-TOPO-OCT2024-ALCOVE ELEV	ELEVATION IN ALCOVE
15.92	POINTS-TOPO-OCT2024-BRICK STAMPED CONC ELEV	ELEVATION ON BRICK DESIGN STAMPED CONCRETE
15.74	POINTS-TOPO-OCT2024-PEBBLE WALK ELEV	ELEVATION ON PEBBLE-ROCK FLATWORK
15.11	POINTS-TOPO-OCT2024-ASPHALT ELEV	ELEVATION ON ASPHALT
17.67	POINTS-TOPO-OCT2024-BRICK ELEV	ELEVATION ON BRICK FLATWORK (NOT STAMPED CONCRETE)
17.69	POINTS-TOPO-OCT2024-HEX STAMPED CONC ELEV	ELEVATION ON HEX STAMPED CONCRETE FLATWORK
18.06	POINTS-TOPO-OCT2024-CONC ELEV	ELEVATION ON CONCRETE FLATWORK (NO STAMPING)
18.86	POINTS-TOPO-OCT2024-BRICK WALL ELEV (TOP)	ELEVATION ON BRICK WALL (TOP OF WALL)
20.57	POINTS-TOPO-OCT2024-ROUND COLUMN ELEV (TOP)	ELEVATION ON 12" ROUND COLUMN (TOP OF COLUMN)
15.33	POINTS-TOPO-OCT2024-COPING WALL ELEV (TOP)	ELEVATION ON COPING WALL (TOP OF WALL)
18.86	POINTS-TOPO-OCT2024-GRANITE CURB ELEV (TOP)	ELEVATION ON BACK OF GRANITE CURB (TOP OF CURB)
9.53	POINTS-TOPO-OCT2024-HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH-BACK CURB" (TOP OF CURB)



SHEET BREAKDOWN
SCALE = 1" = 500

ADDITIONAL PROJECT ELEVATIONS
ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491-5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 9 OF 14

"OUR ***SIGHTS*** ARE ON THE FUTURE, SET YOUR ***SITES*** ON US."

SCALE: 1"=20' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD
F.B. NO: X-385 PAGE NO: 1-10 CREW: SS FILE NO: C-1272

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITIES AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AND/OR CODES.

2. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE DESIGN PROFESSIONAL AT THE TIME OF THE TOPOGRAPHIC SURVEY. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR DESIGN PROFESSIONAL WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, LICENSES, AND BONDS AS REQUIRED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL OBTAIN COPIES OF AND FAMILIARIZE HIMSELF AND HIS SUBCONTRACTORS WITH THE PERMIT CONDITIONS OF ALL OWNER OBTAINED PERMITS FOR THE WORK.

5. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE DESIGN PROFESSIONAL.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER/DESIGN PROFESSIONAL PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER/DESIGN PROFESSIONAL OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

8. ACCESS TO BUSINESSES AND BUILDING ACCESS POINTS SHALL BE MAINTAINED TO THE GREATEST EXTENT PRACTICAL. WHEN ACCESS CANNOT BE MAINTAINED, THE TIME OF NON-ACCESS SHALL BE MINIMIZED AND CLOSELY COORDINATED WITH THE PROPERTY OWNER.

9. ANY DAMAGE TO PRIVATE PROPERTY MADE BY THE CONTRACTOR SHALL BE PROMPTLY REPAIRED TO AN EQUAL OR BETTER CONDITION AS IT WAS BEFORE COMMENCEMENT OF THE WORK.

10. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.

11. WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL HOLD AND PROTECT POLE DURING CONSTRUCTION AT THE CONTRACTORS EXPENSE.

DEMOLITION NOTES:

1. REFER TO THE EXISTING CONDITION SHEET FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, PIPES, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO REMAIN OR RELOCATED. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.

2. THE CONTRACTOR SHALL REFER TO THE PLANS FOR DEMOLITION/PRESERVATION OF EXISTING TREES AND LANDSCAPING. ALL TREES AND LANDSCAPING NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE/LANDSCAPING PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.

3. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS 30 DAYS IN ADVANCE TO RELOCATION LANDSCAPING IN CONFLICT WITH THE WORK. LANDSCAPE IN CONFLICT, LEFT IN PLACE, SHALL BE REMOVED AND REPLACED BY CONTRACTOR (IN RIGHT-OF-WAY ONLY) UNLESS OTHERWISE NOTED.

4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

5. ALL ELEVATION MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

6. CONTRACTOR SHALL EXERCISE CAUTION WHILE REMOVING AND/OR RELOCATING EXISTING SIGNS IN ORDER TO PREVENT ANY UNNECESSARY DAMAGE TO THE SIGNS. SIGNS WHICH ARE DAMAGED BEYOND USE AS DETERMINED BY THE ENGINEER SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

PAVING, GRADING, AND DRAINAGE NOTES:

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH STANDARDS APPLICABLE TO PUBLIC RIGHTS-OF-WAY STANDARDS AND EASEMENTS WITHIN THE CITY OF FERNANDINA BEACH OR FDOT SPECIFICATIONS AND STANDARDS (2017-18) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.

2. ALL ELEVATIONS SHOWN REFER TO NAVD 1988.

3. CONSTRUCT CURBING IN ACCORDANCE WITH PROJECT DETAILS AS APPLICABLE.

4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL.

10. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AND AS INDICATED ON THE DRAWINGS.

11. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH SPECIFICATIONS, THE LOCAL JURISDICTIONAL AGENCY, OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

16. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.

WATER AND SEWER UTILITY NOTES:

1. CONTRACTOR SHALL COORDINATE WITH CITY OF FERNANDINA BEACH UTILITY DEPARTMENT PRIOR TO CONSTRUCTION. IF THE UTILITY DEPARTMENT ELECTS TO REPLACE WATER/SEWER SERVICE LINES DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE STREETSCAPE IMPROVEMENTS WITH THE CITY'S UTILITY REPLACEMENTS.

2. WATER SERVICES AND SANITARY SERVICES SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION. THE FIRE MARSHALL MUST BE NOTIFIED IN ADVANCE OF ANY INTERRUPTION TO FIRE SERVICES.

3. WATER METERS FOUND TO BE IN CONFLICT WITH THE PROPOSED CURBING SHALL BE RELOCATED. ALL WATER METER RELOCATIONS SHALL BE APPROVED BY THE CITY OF FERNANDINA BEACH PRIOR TO THE CONTRACTOR PROCEEDING WITH THE RELOCATION.

4. ALL WATER METER COVERS ON PROJECT TO BE REPLACED. WATER METER BOX COVERS FOR THIS PROJECT SHALL BE AS FOLLOWS:
   1. CDR 15" X 17" TIER 8 BY HUBBELL OR APPROVED EQUAL (DUAL METERS)
   2. QUAZITE 11" X 18" TIER 8 BY HUBBELL OR APPROVED EQUAL (1" METER)

5. WATER METER COVERS SHALL BE SKID RESISTANT AND BE STAINED TO MATCH PROPOSED PAVERS AND/OR CONCRETE

SIGNING AND MARKING NOTES:

1. CONTRACTOR TO STORE AND PROTECT ANY EXISTING PLACARDS AND REUSE WHEREVER POSSIBLE ON NEW SIGN POSTS. ALL NEW SIGNS FURNISHED FOR THIS PROJECT TO BE DIAMOND GRADE. NEW SIGN POSTS FOUNDATIONS AND BREAKAWAY SLIP BASE SHALL CONFORM TO FDOT STANDARD INDEX 11860. SIGN POST MATERIAL AND COLOR TO BE COORDINATED WITH THE CITY OF FERNANDINA BEACH.

2. SIGNAGE ON PRIVATE PROPERTY IS TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED.

3. SIGN PLACEMENT FOR STOP SIGN SHOULD BE IN ACCORDANCE WITH FIGURE 2A-1. OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). HEIGHTS AND LATERAL LOCATION OF STOP SIGNS REFER TO SECTION 2A.16 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

4. SIGN PLACEMENT SHALL CONFORM TO FDOT STANDARD INDEX 17302.

5. PARKING SIGNS WITH DIRECTION ARROWS SHALL BE INSTALLED AT AN ANGLE OF NOT LESS THAN 30° BUT NOT MORE THAN 45° WITH THE LINE OF TRAFFIC FLOW.

EROSION CONTROL NOTES:

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THESE EROSION CONTROL NOTES, THE STANDARD DETAILS, ATTACHMENTS INCLUDED IN SPECIFICATIONS, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

2. CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF INTENT TO USE THE CITY'S NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AS REQUIRED PRIOR TO THE START OF WORK.

3. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

4. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

5. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.

6. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.

7. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

8. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO WATERS OF THE STATE.

11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.

12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.

13. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

14. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE AND AT THE CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE PROJECT.

16. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

17. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

18. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.

19. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

EROSION CONTROL MAINTENANCE:

ALL MEASURES STATED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

3. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

4. TEMPORARY PARKING AND STORAGE AREAS SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

5. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

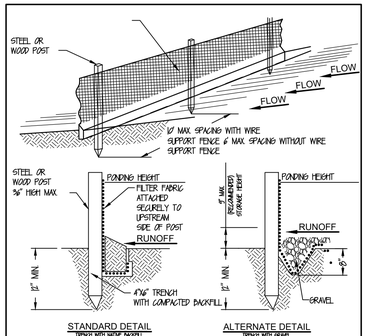
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

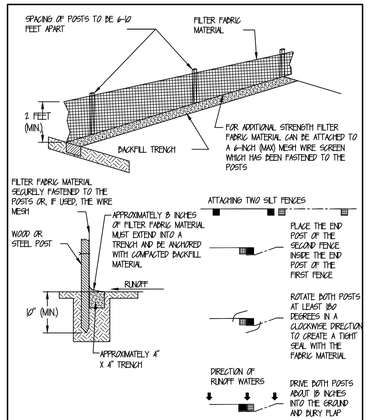
SHEET NUMBER
C0.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.02 January 08, 2025 10:26:18am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

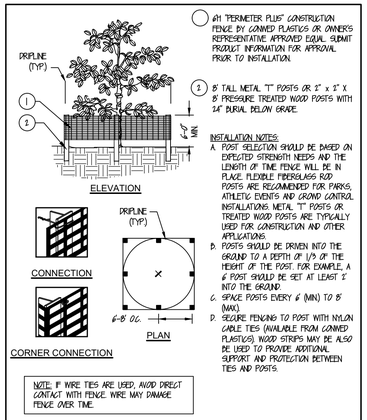


NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
1. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED
2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL



SILT FENCE INSTALLATION DETAIL

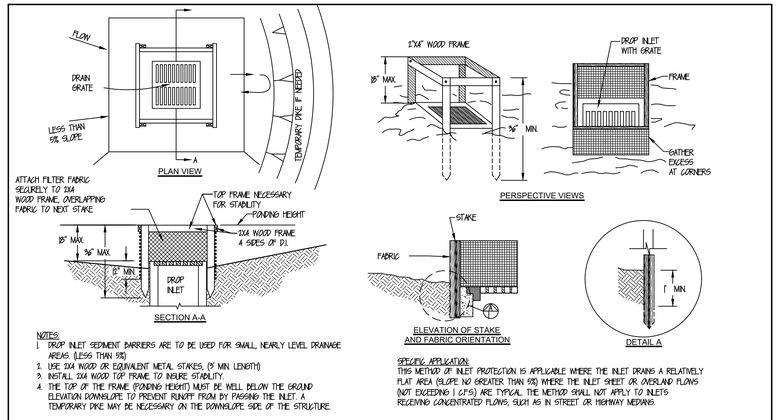


1. #11 "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:
A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
C. SPACE POSTS EVERY 6' (MIN) TO 8' (MAX).
D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

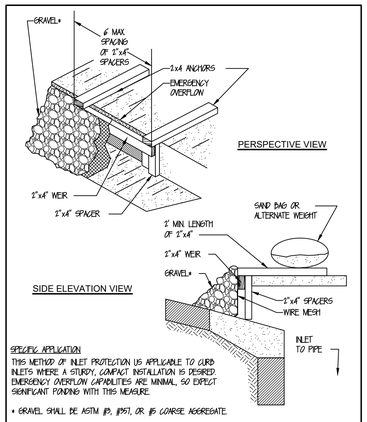
TREE BARRICADE



NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%)
2. USE 2X4 WOOD OR EQUIVALENT METAL STAKES, (3' MIN LENGTH)
3. INSTALL 2X4 WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

SPECIFIC APPLICATION:
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

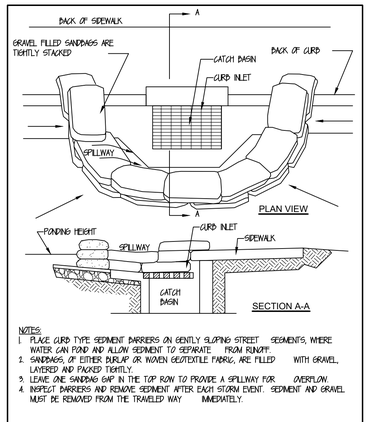
FILTER FABRIC DROP INLET SEDIMENT BARRIER



SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE TO CURB INLETS WHERE A STURDY, COMPACT INSTALLATION IS DESIRED. EMERGENCY OVERFLOW CAPABILITIES ARE MINIMAL, SO EXPECT SIGNIFICANT PONDING WITH THIS MEASURE.

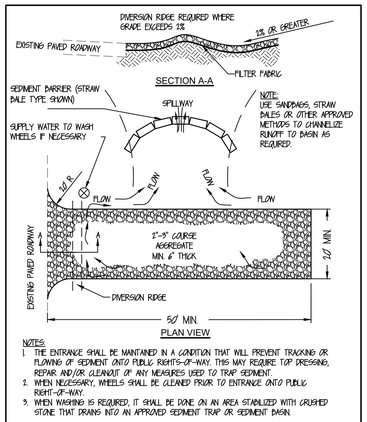
* GRAVEL SHALL BE ASTM #3, #357, OR #5 COARSE AGGREGATE.

GRAVEL CURB INLET SEDIMENT FILTER WITH OVERFLOW WEIR



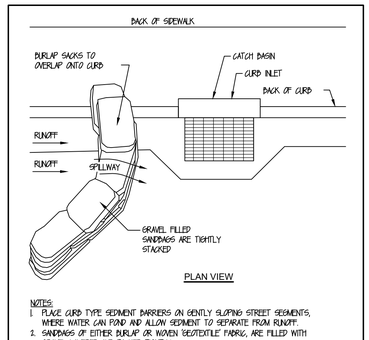
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB INLET SEDIMENT BARRIER



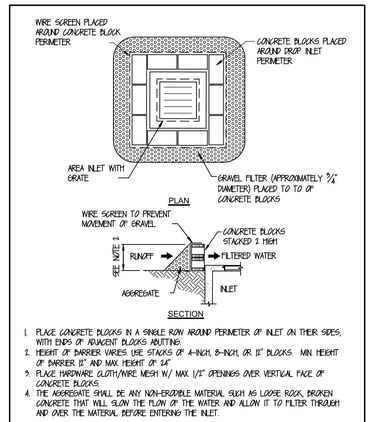
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



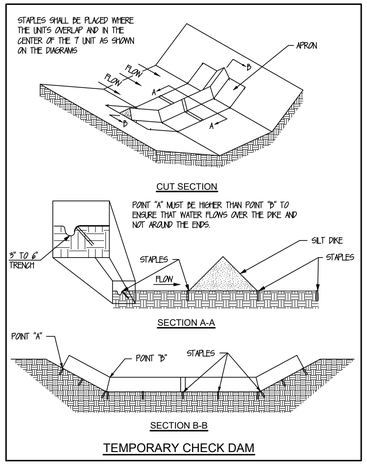
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB AND GUTTER SEDIMENT BARRIER

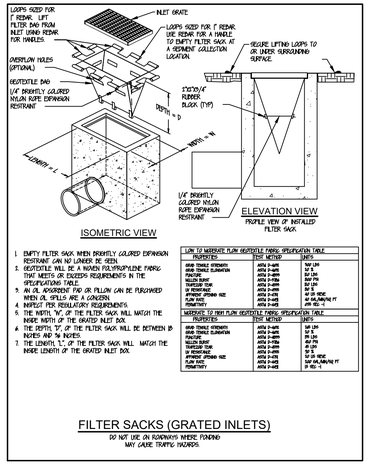


1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN HEIGHT OF BARRIER 12" AND MAX HEIGHT OF 24"
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE AGGREGATE SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

BLOCK AND AGGREGATE INLET SEDIMENT DEVISE



TEMPORARY CHECK DAM



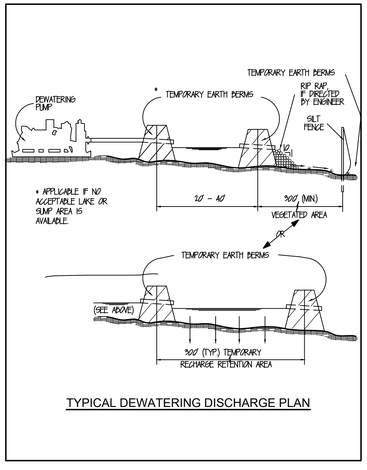
1. EMPTY FILTER SACK WHEN BRIGHTLY COLORED EMBARGO RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. AN OIL ABSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK WILL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH "D", OF THE FILTER SACK WILL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK WILL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	160 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	15 %
MULLEN BURST	ASTM D-3786	300 LBS
TRAPEZOID TEAR	ASTM D-4533	60 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	150 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.0 SEC-1

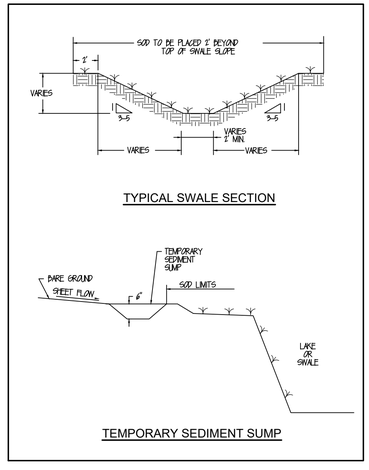
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	249 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	50 %
MULLEN BURST	ASTM D-3786	390 PSI
TRAPEZOID TEAR	ASTM D-4533	90 LBS
UV RESISTANCE	ASTM D-4355	70 %
APPARENT OPENING SIZE	ASTM D-4751	30 US SIEVE
FLOW RATE	ASTM D-4491	224 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.8 SEC-1

FILTER SACKS (GRATED INLETS)

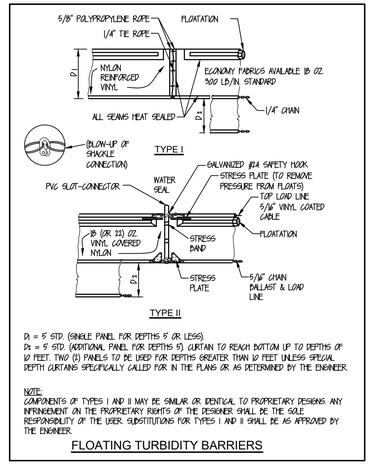
DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.



TYPICAL DEWATERING DISCHARGE PLAN



TEMPORARY SEDIMENT SUMP



D1 = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D2 = 9' STD. (ADDITIONAL PANEL FOR DEPTHS 5'). CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTE:
COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DESIGNED BY:	CHECKED BY:
142806005	KHA	MAJ
DATE: 01/08/2025	DRAWN BY: NL	
SCALE: AS SHOWN		

STORM WATER POLLUTION PREVENTION DETAILS

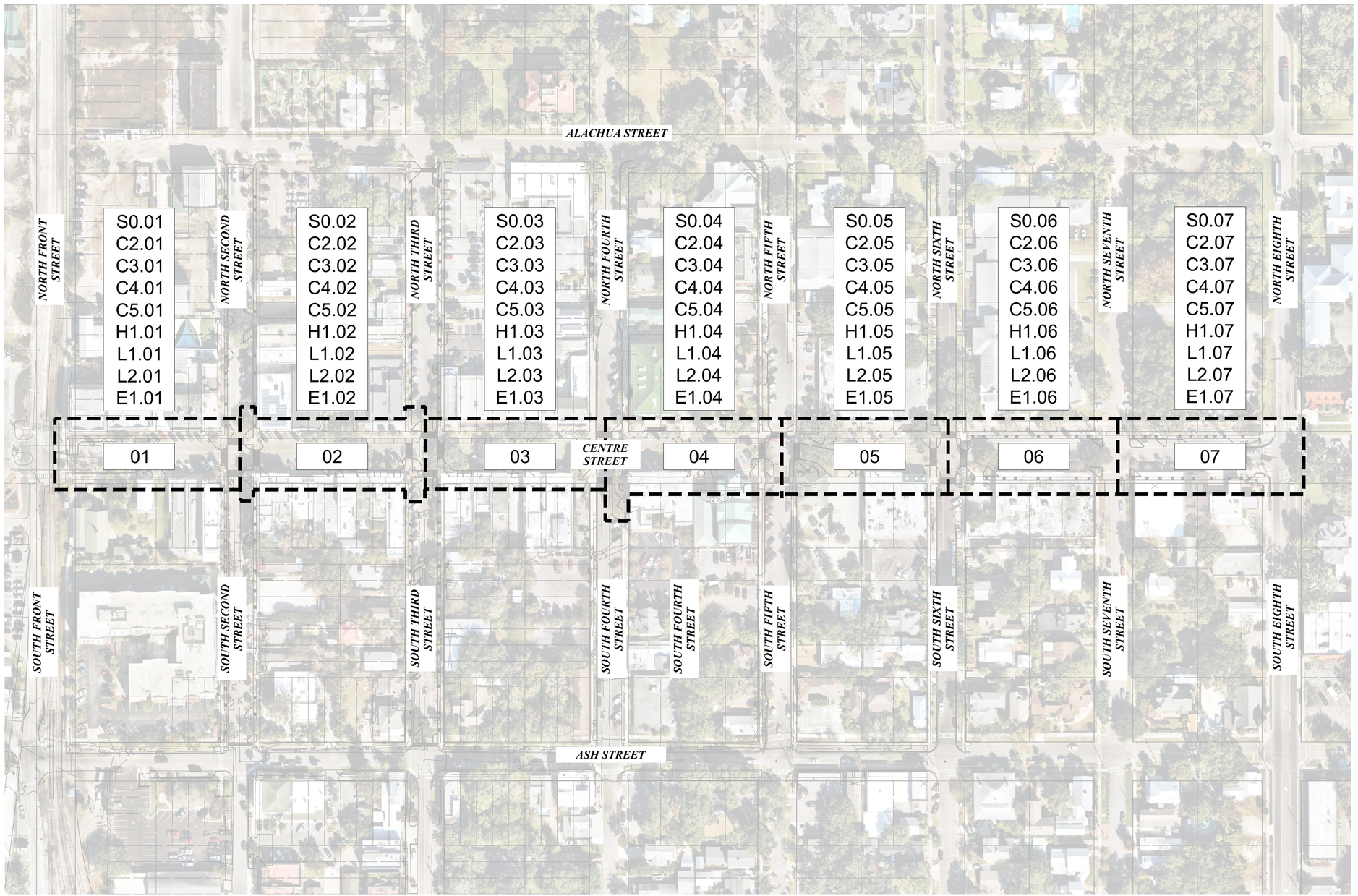
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.03 January 08, 2025 10:26:20am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

INDEX OF SHEETS	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN
H1.01	OVERALL HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	
DRAWN BY: NL	
CHECKED BY: MAJ	

KEY MAP

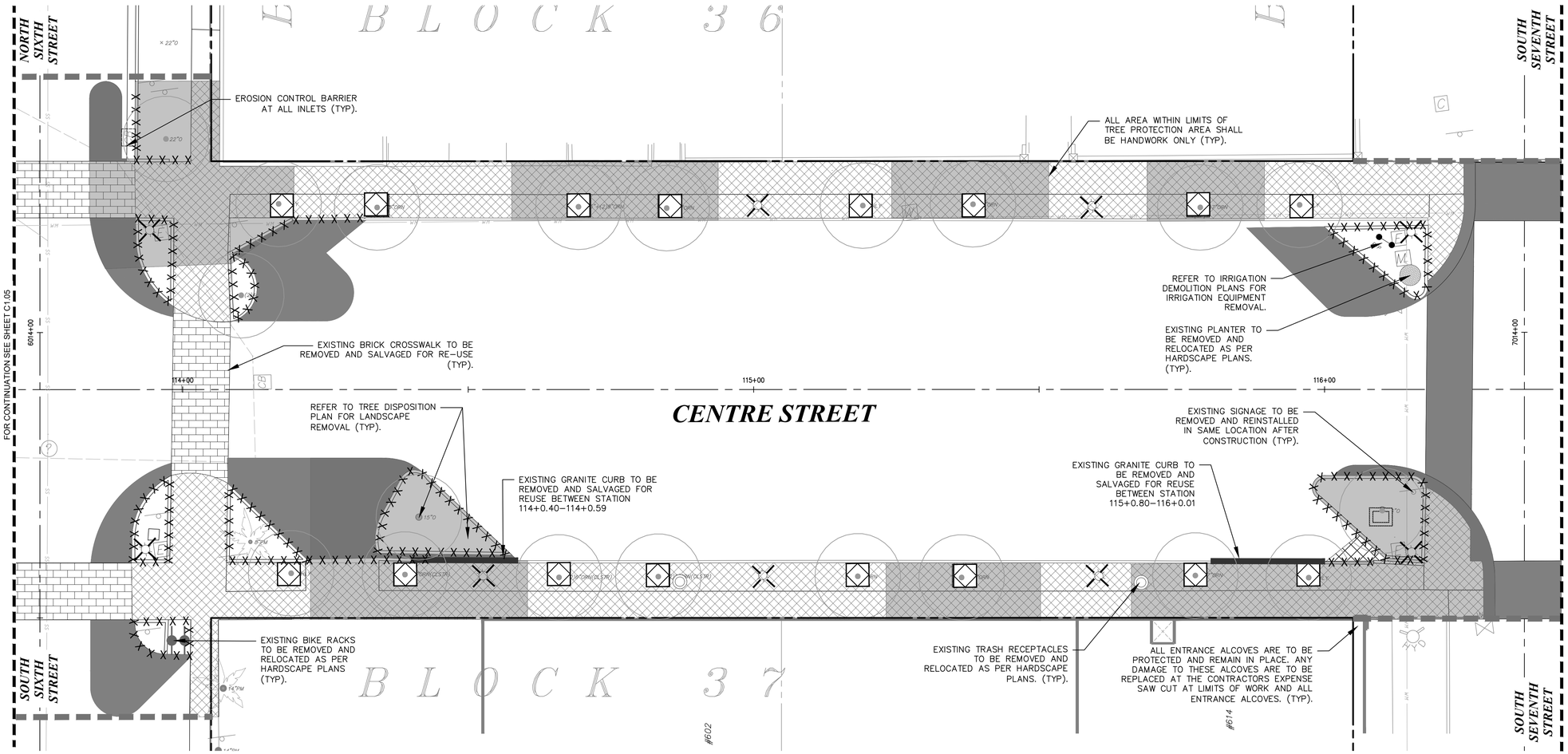
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.04

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.04 January 08, 2025 11:19:59am K:\JAX_LAP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\C0.04 KEY MAP.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

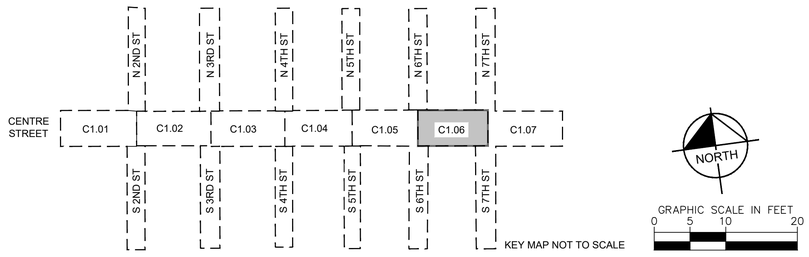
TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

DEMOLITION LEGEND

- EXISTING ELECTRICAL OUTLET
- EXISTING TREE GRATE TO BE REMOVED
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
- EXISTING PLANTER TO BE REMOVED AND RELOCATED
- EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING SEAT WALL TO BE REMOVED
- EXISTING BENCH TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- TREE PROTECTION AREA (HANDWORK ONLY)
- EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
- EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
- EROSION CONTROL BARRIER
- EXISTING TREE
- EXISTING OFF-SITE TREE
- EXISTING PALM TREE
- EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

DEMOLITION PLAN

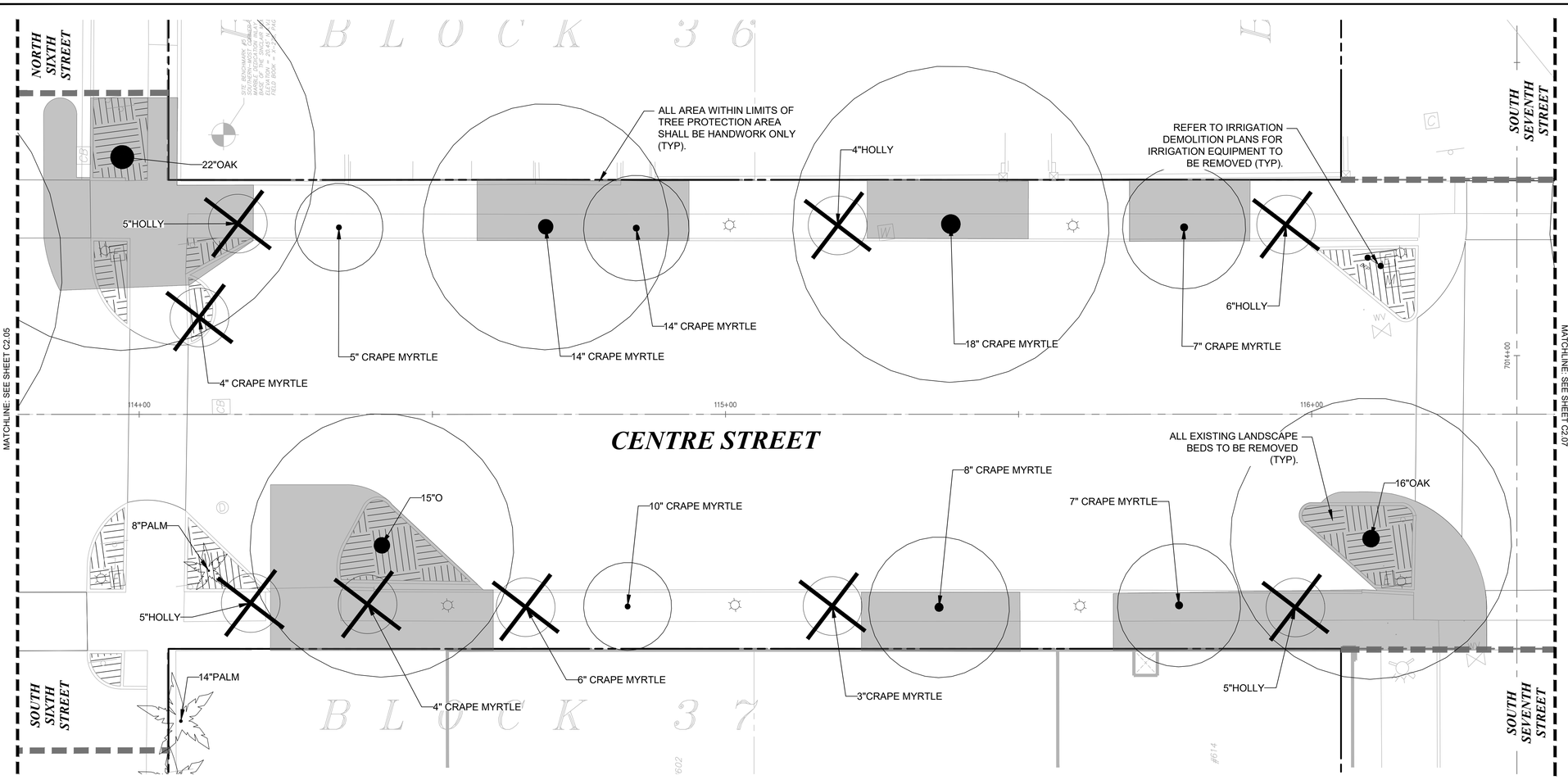
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C1.06

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C1.06 January 08, 2025 10:55:56am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\xlsx sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

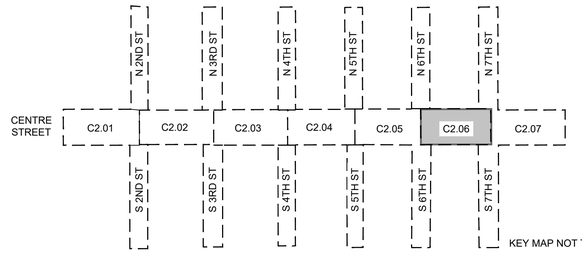


LEGEND

- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM COM COM — PROPOSED ELECTRIC

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN
- TREE TO BE REMOVED



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: NL	CHECKED BY: MAJ

TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
C2.06

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C2.06 January 08, 2025 10:29:55am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.50 January 08, 2025 10:30:00am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TREE MITIGATION SPECIFICATIONS

A. GENERAL

1. CONTRACTOR SHALL ADHEAR TO ALL TREE PROTECTION REQUIREMENTS LISTED IN THESE SPECIFICATIONS AND/OR THOSE LISTED IN THE CITY OR COUNTY ZONING CODE, TREE PROTECTION (LATEST EDITION), WHICHEVER IS MORE STRINGENT SHALL APPLY.
2. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PROCEDURES WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
3. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATION MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE.
4. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED FROM THIS PROHIBITION.
5. EXISTING TREE LOCATIONS AND SIZES ARE ESTIMATES AND ARE BASED ON A SURVEY PROVIDED BY THE OWNER SELECTED SURVEYOR.
6. CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH PERMITTING AGENCY AND PROJECT ARBORIST PRIOR TO CONSTRUCTION. NO PERSON MAY REMOVE OR CAUSE TO BE REMOVED ANY PROTECTED TREE OR PALM WITHOUT FIRST HAVING PROCURED A PERMIT AS PROVIDED BY THE APPROPRIATE PERMITTING AGENCY.
7. FOR PROTECTED TREES OR PALMS BEING REMOVED, THE CONTRACTOR MUST GIVE THE PERMITTING AGENCY REASONABLE OPPORTUNITY TO RELOCATE TREES DESIGNATED FOR REMOVAL TO ANOTHER SITE AT THE PERMITTING AGENCY'S EXPENSE.
8. CONTRACTOR IS RESPONSIBLE FOR POSSESSING ALL REQUIRED APPLICATOR LICENSES, BUSINESS REGISTRATIONS AND INSURANCE, PESTICIDE LABELS, AND MATERIAL DATA SAFETY SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING ALL SPILL CONTAINMENT MATERIALS AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR PESTICIDE APPLICATIONS AND ACCIDENTAL SPILLS ON SITE AT ALL TIMES. THE OWNER RESERVES THE RIGHT TO INSPECT EACH APPLICATOR AND HAVE THESE MATERIALS PRESENTED BEFORE AND DURING ANY PESTICIDE TREATMENT.
9. WHERE TRAFFIC AREAS ARE PROPOSED WITHIN THE DRIP LINE OF PROTECTED TREES AND LESS THAN FOUR (4) INCHES OF GRADE CHANGE ARE PROPOSED, PERMEABLE SURFACES THAT ALLOW AIR AND WATER INTO THE SOIL SHOULD BE USED IN LIEU OF ASPHALT OR OTHER SUCH IMPERVIOUS SURFACES.
10. TREE WELLS OF AN APPROVED DESIGN SHALL BE CONSTRUCTED AROUND ALL TREES TO BE PRESERVED WHEN MORE THAN FOUR INCHES OF FILL IS TO BE DEPOSITED WITHIN THE DRIP LINE AREA OF THOSE TREES. COORDINATE WITH PROJECT ARBORIST.
11. THE SEQUENCE OF TREE MITIGATION AND PRESERVATION MEASURES IS IMPERATIVE TO THE HEALTH AND SURVIVABILITY OF THE SUBJECT TREES AND SHALL BE COORDINATED WITH THE OWNER SELECTED PROJECT ARBORIST. THE DESIRED SEQUENCE IS OUTLINED BELOW:
    a. TREE PROTECTION FENCING.
    b. ROOT PRUNING AND ROOT BARRIERS.
    c. CLEARING.
    d. TREE CANOPY PRUNING.
    e. FERTILIZATION.
    f. INSECTICIDE.
    g. IRRIGATION.

B. TREE PROTECTION FENCING

1. PRIOR TO THE ERECTION OF ANY TREE PROTECTION FENCING, ALL FOREIGN SURFACE MATERIAL, TRASH OR DEBRIS SHALL BE REMOVED FROM THE AREA TO BE ENCLOSED BY THE FENCING. AFTER ERECTION OF THE FENCING NO SUCH MATERIAL OR LITTER SHALL BE PERMITTED TO REMAIN WITHIN THE PROTECTED AREA.
2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL PROTECTED TREES TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING, LAND ALTERATION, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
3. NATIVE GROUND COVER AND UNDERSTORY VEGETATION EXISTING WITHIN THE PROTECTED AREA SHALL REMAIN THROUGHOUT CONSTRUCTION. OTHER DESIGNATED VEGETATION AND INVASIVE PLANT SPECIES SHALL BE REMOVED ONLY BY MANUAL LABOR UTILIZING HAND TOOLS, OR BY OTHER METHODS APPROVED BY THE PROJECT ARBORIST.
4. TREE PROTECTION FENCING TYPES AND LOCATIONS SHALL BE ERECTED AS SHOWN ON THE TREE MITIGATION PLANS AND DETAILS, OR AS REQUESTED BY LOCAL AGENCY.
5. FINAL LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ARBORIST.
6. NO MATERIALS, EQUIPMENT, SPOIL, WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED, OR PARKED WITHIN 20 FEET OF THE TREE PROTECTION ZONE.
7. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE.
8. CONSTRUCTION ACTIVITY SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
9. DO NOT INSTALL CONDUIT, DRAIN OR IRRIGATION LINES, OR ANY UTILITY LINE WITHIN THE TREE PROTECTION ZONE WITHOUT THE APPROVAL OF THE PROJECT ARBORIST. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
10. CONTRACTOR'S ACCESS TO FENCED TREE PROTECTION AREAS WILL BE PERMITTED ONLY WITH APPROVAL OF THE PROJECT ARBORIST.
11. EXCAVATION OR GRADING REQUIRED WITHIN THE PROTECTED AREA SHALL BE LIMITED TO THREE (3) INCHES OF CUT OR FILL. COORDINATE WITH PROJECT ARBORIST.
12. STRUCTURES AND UNDERGROUND FEATURES TO BE REMOVED WITHIN THE TREE PROTECTION ZONE SHALL BE COORDINATED WITH THE PROJECT ARBORIST.
13. TREE PROTECTION FENCING AROUND TREES TO BE RELOCATED SHALL BE ERECTED UNTIL THE TREE IS READY TO BE RELOCATED AND NEW FENCING SHALL BE ERECTED AT THE TREES NEW LOCATION AND WILL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE.
14. IF ANY DAMAGE TO TREE PROTECTION FENCING SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIRS.
15. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE PROTECTED AREA OF TREES TO BE PRESERVED, A ROAD BED OF SIX (6) INCHES OF MULCH OR GRAVEL SHALL BE CREATED TO PROTECT THE SOIL. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A SIX (6) INCH ROAD BED AT ALL TIMES. CONTRACTOR SHALL REMOVE ALL SUCH MATERIALS FROM THE SITE AS SOON AS TEMPORARY ACCESS IS NO LONGER NECESSARY.
16. CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST PRIOR TO THE REMOVAL OF ALL TREE PROTECTION FENCING.

C. ROOT PRUNING/TRENCHING

1. TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE PROJECT ARBORIST.
2. TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE PROJECT ARBORIST. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
5. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

D. CLEARING

1. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH HAND-OPERATED EQUIPMENT.
2. CONTRACTOR SHALL CLEAR ALL TREE PROTECTION AREAS OF VINES, SHRUBS, GROUND COVERS, WEEDS, SAPLINGS, AND INVASIVES LISTED ON THE LATEST EDITION OF THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE SPECIES.
3. PROJECT ARBORIST MUST APPROVE METHODS OTHER THAN HAND CLEARING.
4. A TWO (2) INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES DURING THE SITE CLEARING PHASE.

E. TREE CANOPY PRUNING

TREE PRUNING SPECIFICATIONS SHALL BE DEFINED BASED ON SPECIFIC RECOMMENDATIONS OF THE PROJECT ARBORIST. INFORMATION PRESENTED BELOW SHOULD BE USED AS A GUIDELINE.

1. CONTRACTOR SHALL VISIT THE SITE WITH THE PROJECT ARBORIST TO VERIFY THE EXTENT OF REQUIRED PRUNING.
2. ALL PRUNING SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST OR AN AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA) REGISTERED CONSULTING ARBORIST (RCA).
3. AT LEAST ONE MEMBER OF THE PRUNING CREW SHALL BE AN ISA CERTIFIED ARBORIST.
4. WHILE IN THE TREE, THE ARBORIST SHALL PERFORM AN AERIAL INSPECTION TO IDENTIFY DEFECTS THAT REQUIRE TREATMENT. ANY ADDITIONAL WORK NEEDED SHALL BE REPORTED TO THE OWNER.
5. PRUNING CUTS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI A300 PRUNING STANDARD (AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS) AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI Z133.1 SAFETY STANDARD. PRUNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ISA'S "BEST MANAGEMENT PRACTICES: TREE PRUNING".
6. WHERE TEMPORARY CLEARANCE IS NEEDED FOR ACCESS, BRANCHES SHALL BE TIED BACK TO HOLD THEM OUT OF THE CLEARANCE ZONE.
7. NO MORE THAN 20 PERCENT OF LIVE FOLIAGE SHALL BE REMOVED WITHIN ANY TREE.
8. ALL TREES WITHIN THE PROJECT AREA SHALL BE PRUNED AS FOLLOWS:
    a. LIVE BRANCH PRUNING SHOULD BE PERFORMED ONLY WHEN THE DANGER OF INSECT OR DISEASE INFESTATION IS NOT PRESENT.
    b. REMOVE STUBS, CUTTING OUTSIDE THE WOUND WOOD TISSUE THAT HAS FORMED AROUND THE BRANCH.
    c. CLEANING, FOR THE SELECTIVE REMOVAL OF DEAD, DISEASED, BROKEN, OR CROSSING BRANCHES DOWN TO ONE INCH IN DIAMETER OR AS DIRECTED BY THE PROJECT ARBORIST.
    d. PRUNING CUTS LARGER THAN 4 INCHES IN DIAMETER, EXCEPT FOR DEAD WOOD, SHALL BE AVOIDED.
    e. PRUNING CUTS THAT EXPOSE HEARTWOOD SHALL BE AVOIDED WHENEVER POSSIBLE.
    f. ALL TREES WITH CROWNS THAT PROJECT INTO PARKING LOT/ROADWAY AREAS SHALL BE RAISED TO 14 FEET ABOVE FINISHED GRADE.
    g. ALL TREES WITH CROWNS THAT PROJECT INTO SIDEWALK AREAS SHALL BE RAISED TO A HEIGHT OF 8 FEET ABOVE FINISHED GRADE.
9. TREES, WHO'S ROOT SYSTEMS WILL BE IMPACTED SHALL RECEIVE THE FOLLOWING PRUNING TO COMPENSATE FOR ROOT LOSS:
    a. THE LOCATION AND SIZE OF BRANCHES FOR REDUCTION SHALL BE DEFINED BY THE PROJECT ARBORIST.
    b. REDUCTION, OR THE SELECTIVE PRUNING TO REDUCE TREE HEIGHT OR SPREAD.
    c. REDUCE END WEIGHT ON HEAVY, HORIZONTAL BRANCHES BY SELECTIVELY REMOVING SMALL DIAMETER BRANCHES, NO GREATER THAN 2 TO 3 INCHES, NEAR THE ENDS OF SCAFFOLD BRANCHES.
    d. RAISING SHALL CONSIST OF SELECTIVE PRUNING TO PROVIDE VERTICAL CLEARANCE.
10. PROPOSED/REPLACEMENT TREES
    a. PRUNING SHALL BE LIMITED TO CLEANING.
11. BRUSH SHALL BE CHIPPED AND SPREAD (ONLY WHEN DISEASE OR INSECT INFESTATION IS NOT PRESENT) UNDERNEATH TREES WITHIN THE TREE PROTECTION ZONE TO A MAXIMUM DEPTH OF THREE (3) INCHES, LEAVING THE TRUNK CLEAR OF MULCH.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS DEBRIS ON A DAILY BASIS.

F. FERTILIZATION

1. CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
2. EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
3. ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
4. TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
    a. MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
    b. MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER. AGITATE MIX.
    c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
    d. THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
    e. FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
    f. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.

G. INSECTICIDE

7. NOTIFY PROJECT ARBORIST IF ANY INFESTATION IS NOTICED.
8. FOLLOW PROJECT ARBORIST'S RECOMMENDED PROCEDURES.
9. FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS CONCERNING APPLICATION. READ ALL WARNING LABELS.
10. ANY PETS, AS WELL AS, THE PETS FOOD AND WATER BOWLS SHOULD BE REMOVED FROM THE AREA AND ANY SWIMMING POOLS SHOULD BE COVERED. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
11. ENSURE COMPLETE COVERAGE AND REAPPLY 2-3 MONTHS AFTER INITIAL APPLICATION UTILIZING SAME PROCEDURE.

H. IRRIGATION

1. EVERY EFFORT SHALL BE MADE TO WATER THE PRESERVED TREES AND TRANSPLANTS. CONTRACTOR SHALL IRRIGATE BY HAND OR BY TEMPORARY IRRIGATION.
2. IRRIGATE AS REQUIRED BY PROJECT ARBORIST UNTIL PERMANENT IRRIGATION IS INSTALLED AND OPERATING.
3. UNDERGROUND IRRIGATION SHALL NOT BE INSTALLED WITHIN THE DRIP LINES OF EXISTING TREES UNLESS ROOT PROTECTION MEASURES ARE PROVIDED AND APPROVED BY PROJECT ARBORIST.

I. TREE REMOVALS

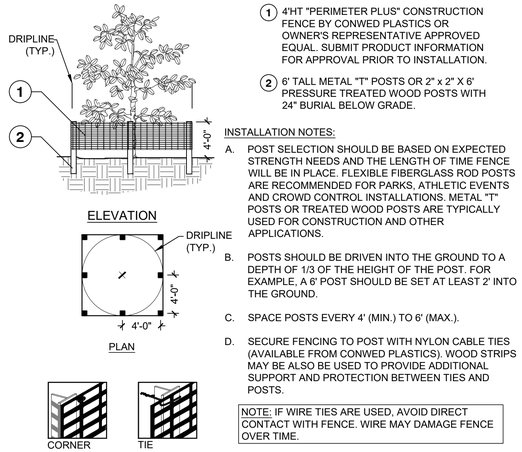
1. PRIOR TO AND DURING LAND CLEARING, INCLUDING GRUBBING, ALL TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY PROJECT ARBORIST WITH RED SURVEY RIBBONS AT 36 INCHES MINIMUM ABOVE GRADE.
2. CONTRACTOR SHALL REMOVE ALL TREES AS SHOWN ON THE TREE MITIGATION PLANS AFTER THE TREE PROTECTION FENCING IS INSTALLED.
3. ALL TREES SHOWN TO BE REMOVED SHALL BE FELLED WITH A CHAIN SAW AND STUMP GROUND 6" BELOW SURFACE. ANY TREE SHOWN TO BE REMOVED THAT IS IN AN AREA WHERE COMPACTION IS CRITICAL SHALL BE FELLED WITH A CHAIN SAW AND STUMP REMOVED BY CONTRACTOR.
4. ALL WOOD AND STUMPS FROM REMOVALS SHALL BE HAULED FROM THE SITE THE SAME DAY, EXCEPT FOR TOPS. ALL TOPS ARE TO BE MULCHED AND STOCKPILED OR HAULED DIRECTLY TO MULCHED AREAS FOR RELOCATED TREES IF SCHEDULING PERMITS. TOPS SHALL BE CHIPPED AND PLACED IN THE TREE PROTECTION ZONE TO A DEPTH OF THREE (3) INCHES. ALL EXCESS WOOD CHIPS SHOULD BE HAULED OFF SITE AFTER TRANSPLANTING IS COMPLETE.
5. ALL BURN PITS IF APPLICABLE MUST BE APPROVED BY THE PROJECT ARBORIST AND OWNER.
6. TREES TO BE REMOVED THAT HAVE BRANCHES EXTENDING INTO THE CANOPY OF TREES TO REMAIN MUST BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST AND NOT BY DEMOLITION OR CONSTRUCTION CONTRACTORS. THE QUALIFIED ARBORIST SHALL REMOVE THE TREE IN A MANNER THAT CAUSES NO DAMAGE TO THE TREES AND UNDERSTORY VEGETATION TO REMAIN.
7. TREES TO BE REMOVED LOCATED WITHIN THE TREE PROTECTION ZONE SHALL BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST. THE TREES SHALL BE CUT NEAR GROUND LEVEL AND THE STUMP GROUND OUT.

J. TOPSOIL

8. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
9. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.
10. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE (1) INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.
11. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR (4) INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.
12. PROJECT ARBORIST SHALL APPROVE ALL TOPSOIL PRIOR TO PLACEMENT.

K. REPAIR OF DAMAGED TREES

1. IF DAMAGE TO ANY TREE SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE DURING THE CONSTRUCTION PERIOD, THE PROJECT ARBORIST SHALL APPRAISE THE DAMAGE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPAIR BY THE CONTRACTOR.
2. IF ANY TREE DESIGNATED TO BE SAVED IS REMOVED FROM THE SITE WITHOUT PERMISSION OF THE OWNER'S REPRESENTATIVE, THE PROJECT ARBORIST SHALL APPRAISE THE TREE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE TREE AND ANY FEES THAT MAY BE ASSESSED TO THE OWNER BY THE GOVERNING AGENCY.



1. 4'HT "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 6' TALL METAL "T" POSTS OR 2" x 2" X 6' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 4' (MIN.) TO 6' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

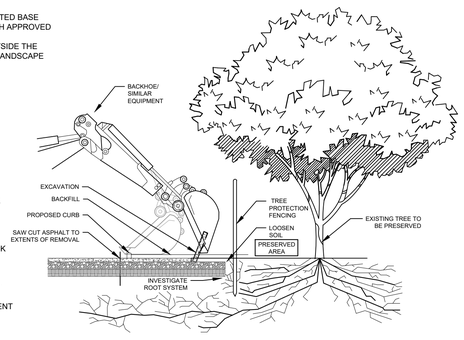
NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

1 TREE PROTECTION FENCING

NTS JAX-FG-12

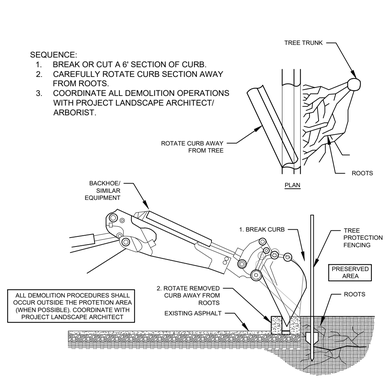
NOTES:
CONTRACTOR TO REMOVE ASPHALT AND ASSOCIATED BASE MATERIAL TO EXISTING SOIL DEPTH. BACKFILL WITH APPROVED SOIL MIXTURE.
ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST PRIOR TO DEMOLITION.

SEQUENCE:
1. INSTALL PROTECTION FENCE.
2. SAW-CUT A LINEAR SECTION OF ASPHALT.
3. CAREFULLY EXCAVATE PAVING TO SUB-GRADE BY PEELING BACK ASPHALT.
4. INVESTIGATE TO DETERMINE EXTENT OF ROOT SYSTEM.
a. NO ROOT GROWTH- EXCAVATE FROM BACK OF CURB TO EXTENT OF PROPERTY IMPROVEMENTS.
b. ROOT GROWTH- ROOT PRUNE PER PLAN.
c. INSTALL A 20 MIL ROOT BARRIER AT ROOT PRUNE LINE. LOOSEN SOIL WITH HAND TOOLS OR AIR-SPADE THROUGHOUT EXTENT OF EXPANDED PLANTING AREA.



PAVEMENT DEMOLITION PROCEDURE

SEQUENCE:
1. BREAK OR CUT A 6' SECTION OF CURB.
2. CAREFULLY ROTATE CURB SECTION AWAY FROM ROOTS.
3. COORDINATE ALL DEMOLITION OPERATIONS WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST.



CURB DEMOLITION PROCEDURE

2 / C3.50 PAVEMENT DEMOLITION PROCEDURE

NTS JAX-FE-FBH-16

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

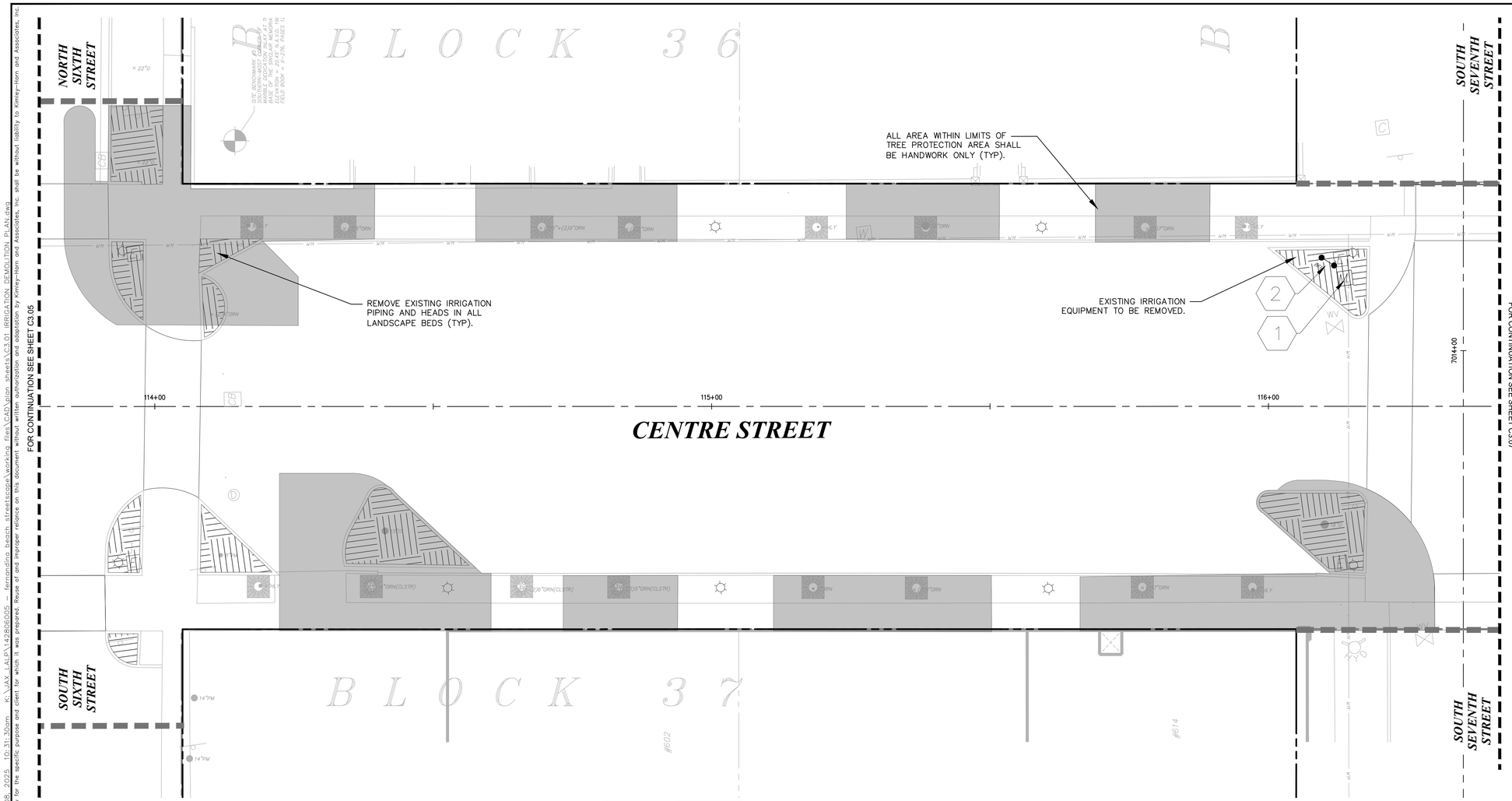
FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005	DESIGNED BY: KHA
DATE 01/08/2025	DRAWN BY: NL
SCALE: AS SHOWN	CHECKED BY: MAJ

TREE DISPOSITION NOTES & DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.50



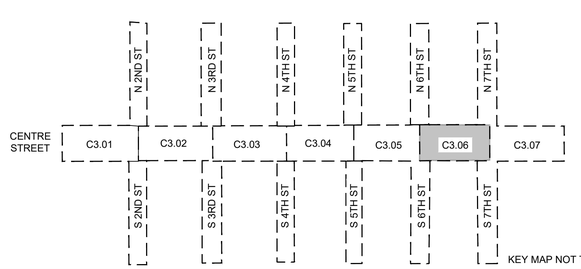
LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

IRRIGATION DEMOLITION LEGEND

- EXISTING TREE PROTECTION AREA (CRITICAL ROOT ZONE AREAS MUST BE DONE BY HAND).
- EXISTING IRRIGATION EQUIPMENT IN LANDSCAPE BED TO BE REMOVED
- (1) M — EXISTING WATER METER TO BE REMOVED
- (2) BFP — EXISTING BACKFLOW PREVENTER TO BE REMOVED
- (3) TIMER — EXISTING IRRIGATION CONTROLLER TO BE REMOVED

NOTES:
1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

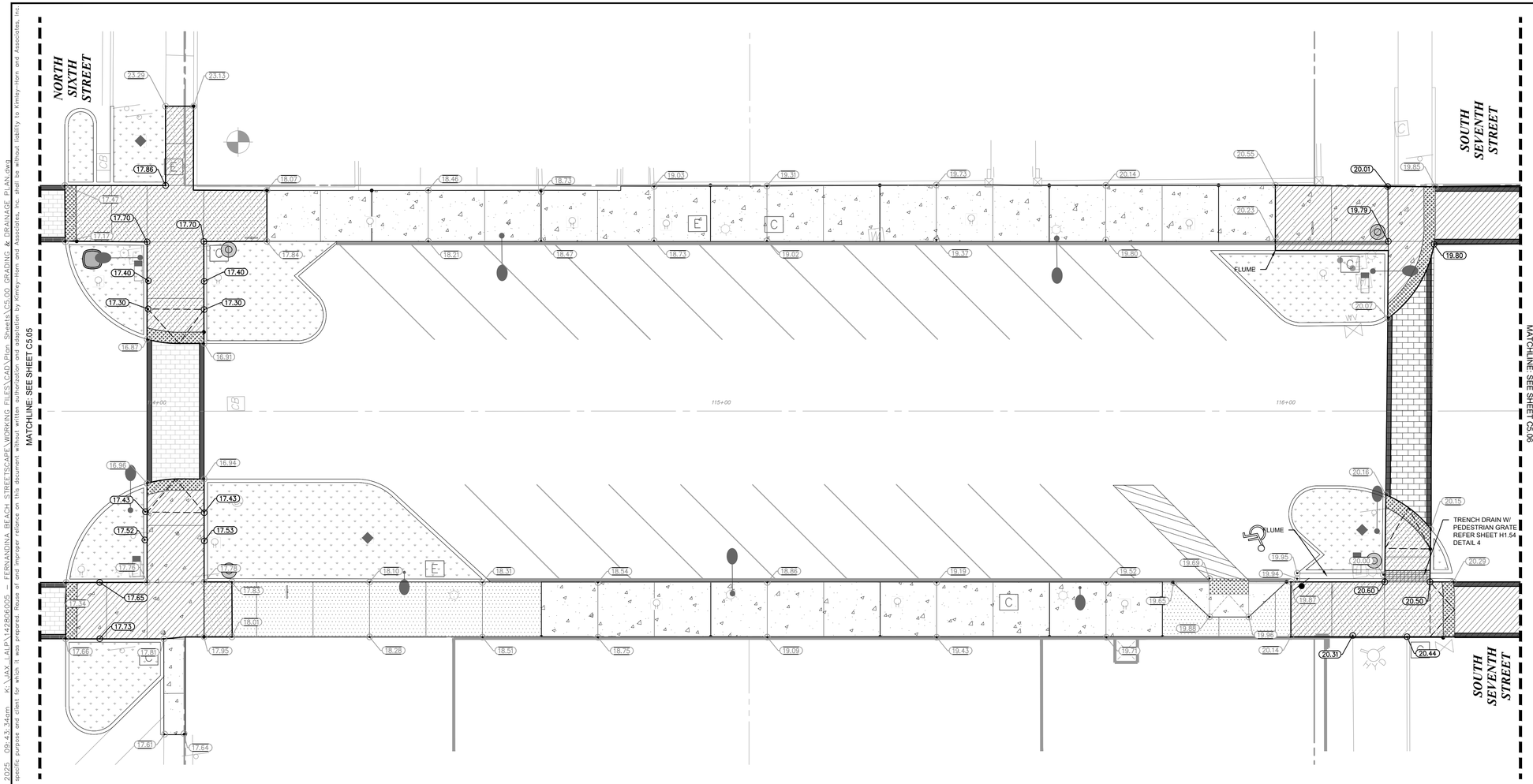
KHA PROJECT 142806005	DATE 01/08/2025		
SCALE: AS SHOWN	DESIGNED BY: KHA		
DRAWN BY: NL	CHECKED BY: MAJ		

IRRIGATION DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C3.06

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C3.06 January 08, 2025 10:31:30am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
D	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

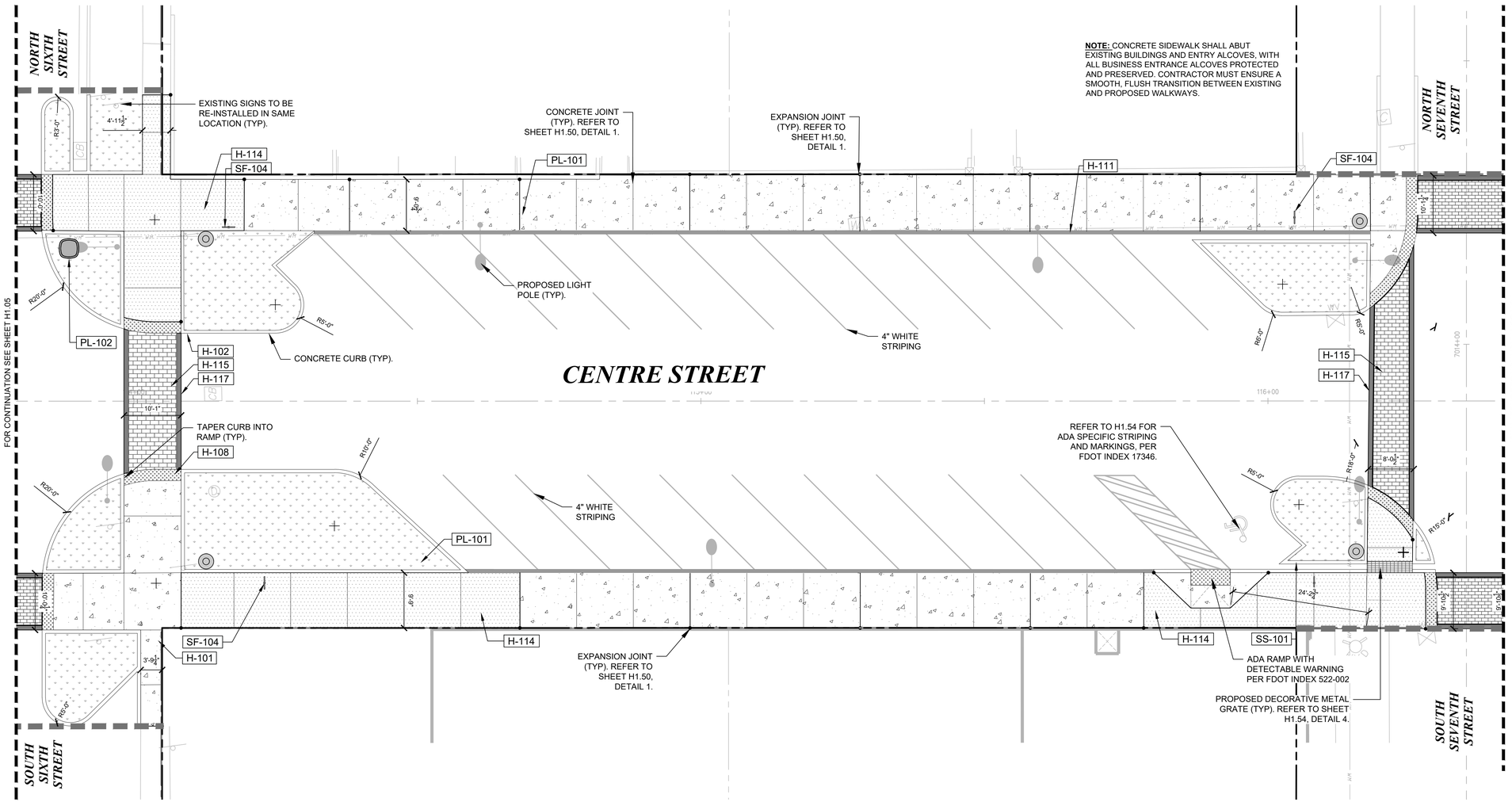
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: CRZ
DRAWN BY: CRZ
CHECKED BY: BSD

GRADING AND DRAINAGE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
C5.06

Plotted By:Zieqmont, Charles Sheet Set:########## Layout:C5.06 January 08, 2025 09:43:34am K:\JAX_LAL\142806005 — FERNANDINA_BEACH_STREETSCAPE\WORKING FILES\CAD\Plan Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



HARDSCAPE SCHEDULE - H1.06

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,609 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,138 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	190 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	646 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,623 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	732 SF	
	H-117	CONCRETE BAND - CROSSWALKS	467 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,595 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

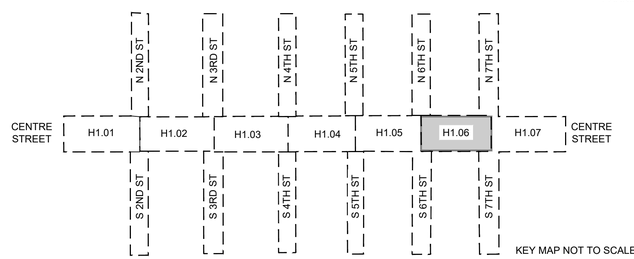
* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

NOTE:

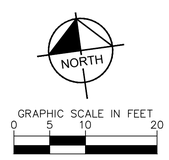
CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA
		DRAWN BY: NL	CHECKED BY: MAJ

HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.06

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.06 January 08, 2025 10:33:05am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL HARDSCAPE SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	33,041 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	10,222 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	534 LF	2/H1.53
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	1,448 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	2,129 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	1,329 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	490 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	8,919 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	5,149 SF	
	H-117	CONCRETE BAND - CROSSWALKS	2,702 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	21,284 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	17	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	26	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	36	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	46	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	8	

HARDSCAPE SCHEDULE - H1.01

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,825 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,127 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	49 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	219 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	243 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	228 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	891 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	580 SF	
	H-117	CONCRETE BAND - CROSSWALKS	365 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,474 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	2	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	5	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.02

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	7,242 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,940 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	194 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	273 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	160 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	194 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,698 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	989 SF	
	H-117	CONCRETE BAND - CROSSWALKS	390 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,161 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	17	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	4	

HARDSCAPE SCHEDULE - H1.03

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,451 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,520 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	141 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	218 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	310 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	141 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,150 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	759 SF	
	H-117	CONCRETE BAND - CROSSWALKS	493 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,929 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	11	4/H1.53

HARDSCAPE SCHEDULE - H1.04

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,892 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,810 LF	3/H1.52
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	222 SF	1/H1.54
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	468 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	448 LF	4/H1.52
	H-115	BRICK CROSS WALK - PROPOSED	885 SF	
	H-117	CONCRETE BAND - CROSSWALKS	410 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	3,080 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	5	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - REINSTALLED & TO REMAIN IN PLACE	7	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.05

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	4,237 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,607 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	66 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	204 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	209 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	99 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,938 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	1,012 SF	
	H-117	CONCRETE BAND - CROSSWALKS	450 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,374 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	6	4/H1.53

HARDSCAPE SCHEDULE - H1.06

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,609 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,138 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	190 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	646 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,623 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	732 SF	
	H-117	CONCRETE BAND - CROSSWALKS	467 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,595 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.07

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,785 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	954 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	121 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	309 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	74 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	619 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	192 SF	
	H-117	CONCRETE BAND - CROSSWALKS	127 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,321 SF	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	2	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

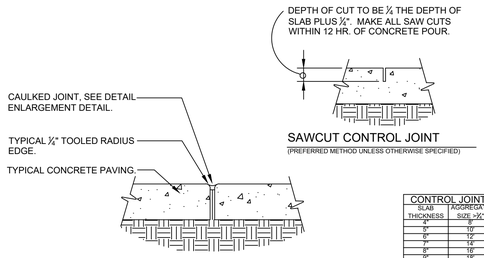
HARDSCAPE PLAN SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.08 January 08, 2025 10:33:47am K:\JAX_LAP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

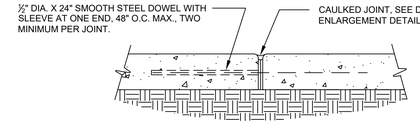


CAULKED EXPANSION JOINT

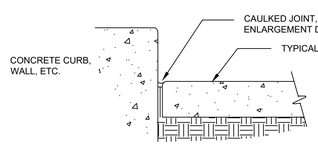
SAWCUT CONTROL JOINT

(PREFERRED METHOD UNLESS OTHERWISE SPECIFIED)

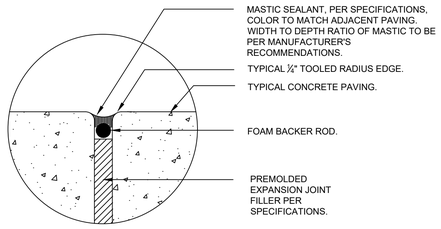
CONTROL JOINT SPACING		
SLAB THICKNESS	AGGREGATE SIZE >¾"	AGGREGATE SIZE <¾"
4"	8'	10'
5"	10'	13'
6"	12'	15'
7"	14'	18'
8"	16'	20'
9"	18'	23'
10"	20'	25'



DOWELED EXPANSION JOINT



CONCRETE PAVING AT VERTICLE PLANE

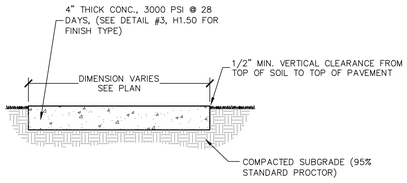


ENLARGED TYPICAL CAULKED JOINT

1 TYPICAL CONCRETE JOINT DETAILS

NTS: SCALE

JAX-FE-14



CEMENT: ASTM C150/C150M, TYPE I - NORMAL PORTLAND TYPE, AQUIRE CEMENT FOR ENTIRE PROJECT FROM SAME SOURCE.

SAND: LOCALLY AVAILABLE SAND

AGGREGATE: COQUINA MAX. ¾", AQCUIRE AGGREGATE FOR ENTIRE PROJECT FROM SAME SOURCE.

CURING COMPOUND: INTENT IS FOR TEXTURE TO MATCH CONCRETE SIDEWALK AT WATERFRONT PARK. ADD MIXTURES:

- HIGH RANGE WATER REDUCING AND RETARING ADMIXTURE: ASTM C494.C494M TYPE G.
- HIGH RANGE WATER REDUCING ADMIXTURE: ASTM C494/C494M TYPE F.
- DO NOT USE CHEMICAL THAT WILL RESULT IN SOLUBLE CHLORIDE IONS IN EXCESS OF 0.1 PERCENT BY WEIGHT OF CEMENT.

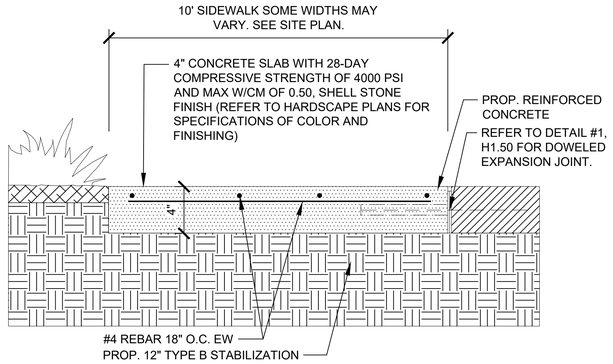
1. A PRE JOB CONFERENCE IS RECOMMENDED BETWEEN OWNER, ENGINEER, LANDSCAPE ARCHITECT, READY-MIX REPRESENTATIVE, AND INSTALLER TO DISCUSS PROJECT APPLICATION AND REVIEW SUBMITTALS.
2. ALL CONCRETE MUST BE BATCHED FROM THE SAME LOCATION.
3. A 10'X10' MOCKUP MUST BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE, SHOWING SHELL STONE (OR ALTERNATIVE) FINISH TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. MOCKUP LOCATION TO BE OFF-SITE AT A LOCATION MUTUALLY AGREED-UPON BY THE CONTRACTOR AND OWNER.
4. PRECAUTIONS MUST BE TAKEN IN HOT WEATHER TO PREVENT PLASTIC CRACKING RESULTING FROM EXCESSIVELY RAPID DRYING AT SURFACE AS DESCRIBED IN CIP 5"PLASTIC SHRINKAGE CRACKING" PUBLISHED BY THE NATIONAL READY MIXED CONCRETE ASSOCIATION.

FINISH:
A. SHELL STONE FINISH

2 CONCRETE SIDEWALK FINISHES

NTS

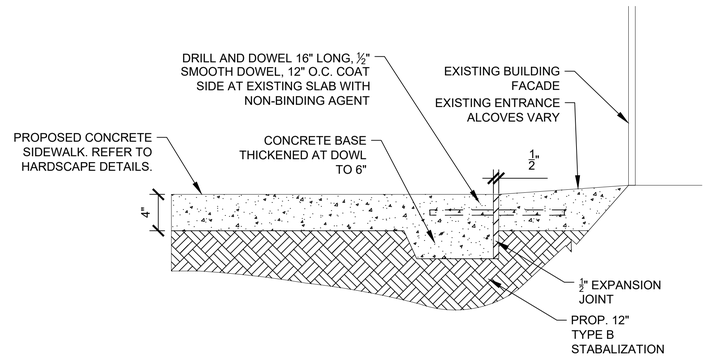
JAX-FE-FBH-15



3 DECORATIVE CONCRETE TREATMENT

6" = 1'-0"

JAX-FE-FBH-34



PRODUCT: SCOFIELD INTEGRAL COLOR SG
MANUFACTURER: SIKA

237 SAND BUFF
237 CORONADO BUFF
447 PRAIRIE BEIGE
447 SCHOONER BEIGE
FINISH: SHELL STONE
SEE HARDSCAPE PLANS FOR SPECIFIC PLACEMENT

CONTRACTOR TO COORDINATE WITH THE PROJECT LANDSCAPE ARCHITECT AND CITY OF FERNANDINA BEACH REPRESENTATIVE FOR FINAL COLOR SELECTION. PROVIDE 6'X6' MOCKUP FOR EACH COLOR OPTION WITH SHELLSTONE TEXTURED FINISH.

4 CENTRE STREET SIDEWALK INTEGRAL COLOR OPTIONS

1" = 10'

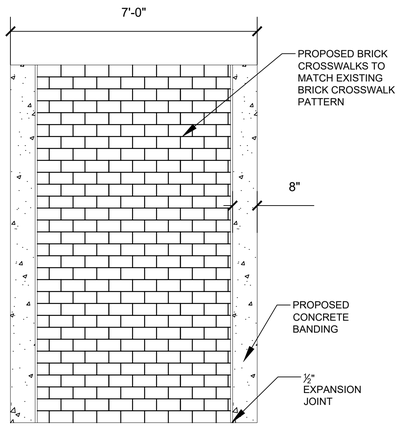
JAX-FE-FBH-41

CONCRETE BAND - STRUCTURAL EDGE:

1. STRENGTH: MINIMUM 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. MIX DESIGN: CONCRETE MIX
3. COLOR: AS SPECIFIED IN DETAIL #4, H1.50
4. EXPANSION JOINT MATERIAL: PRE-MOLDED EXPANSION JOINT FILLER, ½" THICK SUITABLE FOR OUTDOOR USE
5. BONDING AGENT: CONCRETE BONDING ADHESIVE FOR BONDING NEW CONCRETE TO ADJACENT SURFACES AS NECESSARY.
6. CONCRETE BANDING SHALL BE POURED INTO THE FRAMEWORK, ON BOTH SIDES OF PEDESTRIAN BRICK CROSSWALK.

NOTE:

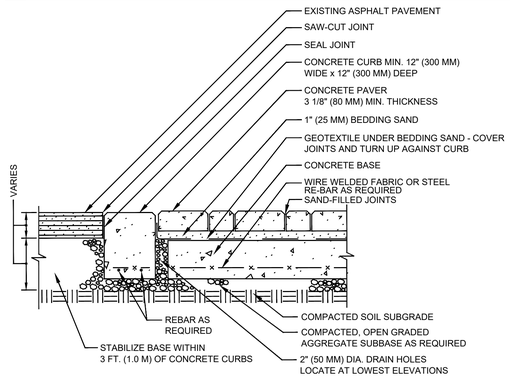
1. EXISTING BRICK CROSSWALKS TO MAINTAIN ITS ORIGINAL PATTERN
2. EXCESS BRICKS REMOVED FOR CONCRETE BANDING SHALL BE RE-PURPOSED FOR PROPOSED BRICK CROSSWALKS.



5 REINFORCED CONCRETE SIDEWALK

1 1/2" = 1'-0"

JAX-FE-FBH-37



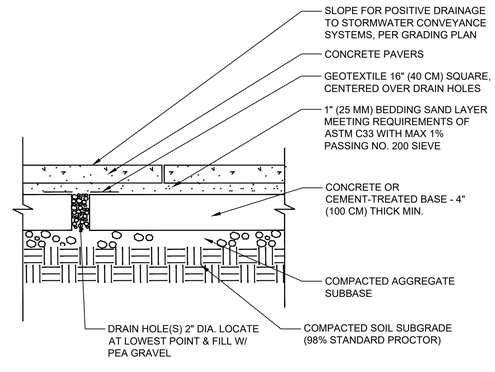
NOTE:

1. BASE THICKNESS AND REINFORCING VARIES WITH TRAFFIC, CLIMATE AND SUBGRADE CONDITIONS.
2. CONCRETE BASE MINIMUM 2% SLOPE FROM CENTERLINE TO CURB.
3. DO NOT PROVIDE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2 FT. (0.6 M) FROM TOP OF SOIL SUBGRADE. PROVIDE DRAIN HOLES TO CATCH BASINS.

6 CONCRETE SIDEWALK ADJACENT TO EXISTING BUILDING ENTRANCE

1 1/2" = 1'-0"

JAX-FE-FBH-40



NOTES:

1. AGGREGATE SUBBASE AND SUBGRADE SOIL MAY REQUIRE DRAINS. DRAINAGE MAY BE ACHIEVED BY EITHER CONTINUOUS 2" WIDE SLOT OR 2" DIA. VOIDS AT 10" O.C./ FILLED WITH PEA GRAVEL AND COVERED WITH GEOTEXTILE.
2. COVER ENTIRE SURFACE OF CEMENT-TREATED BASE WITH GEOTEXTILE TO PREVENT LOSS OF BEDDING SAND IN SHRINKAGE CRACKS.

CONCRETE PAVERS:

STYLE 'A' - 4'X8' BELGARD HOLLAND ANTIQUE RED ADA PAVERS WITH TRUNCATED DOME. PAVERS TO BE LAID IN A RUNNING BOND PATTERN TO MATCH CROSSWALKS.

STYLE 'B' - 18" HEXAGONAL PAVERS SELECTED TO MATCH EXISTING HEXAGONAL PAVERS AS CLOSELY AS POSSIBLE. REFER TO SHEET H1.52, DETAIL 1 FOR PAVER LAYOUT.

NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS AND COLOR SAMPLES FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO CONSTRUCTION AS WELL AS SIEVE ANALYSIS FOR JOINT AND BEDDING SAND.

ALL JOINTS SAND-SWEPT USING POLYMERIC SAND COMPOUND AND WATERED IN PER MANUFACTURER'S SPECIFICATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR SUBGRADE PERORATION PER MANUFACTURER'S SPECIFICATIONS - INSTALL PER ICPI AND MANUFACTURER'S SPECIFICATIONS.

PRIMARY USE IS: CIVILIAN FOOT TRAFFIC

7 CONCRETE BANDING - CROSSWALK

1/2" = 1'-0"

JAX-FE-FBH-44

8 CROSSWALK ON CONCRETE BASE WITH SAND SETTING BED

NTS

DETAIL-FILE

9 CONCRETE PAVERS ON A CONCRETE BASE

NTS

JAX-FE-02

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FL 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.50

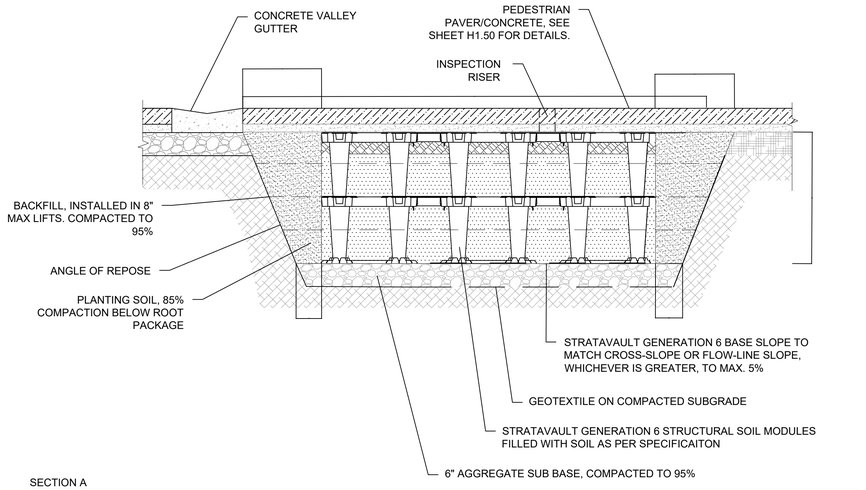
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.50 January 08, 2025 10:33:55am K:\JAX_LA\LP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

CITY GREEN

1. MANUFACTURER:
CITYGREEN
888-999-3990

2. MODEL:
STRATAVAULT

3. PRODUCT TO BE DESIGNED BY MANUFACTURER. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

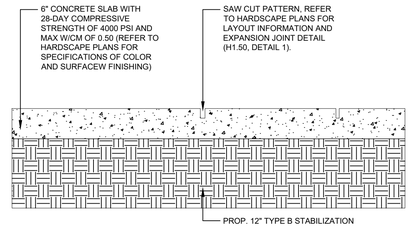


SECTION A
NOT TO SCALE

1 SUSPENDED PAVEMENT

NTS

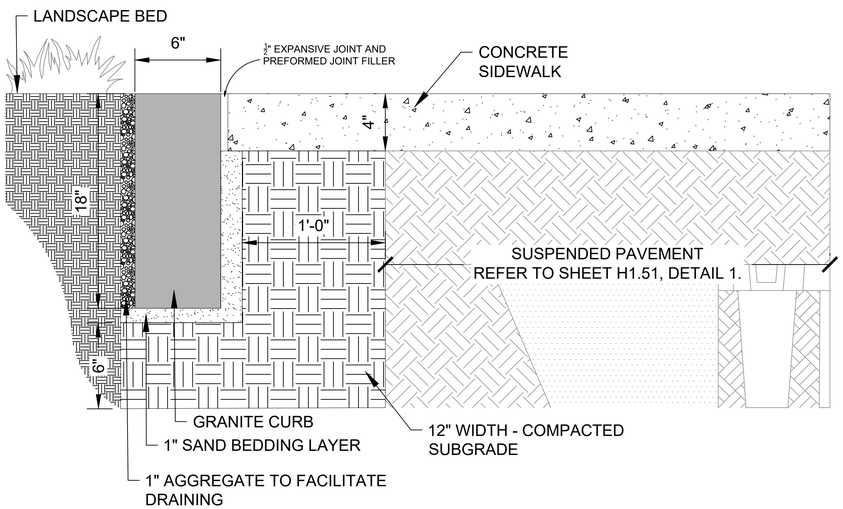
JAX-FE-FBH-48



2 VEHICULAR CONCRETE SECTION

1 1/2" = 1'-0"

JAX-FE-FBH-47



GRANITE CURB INTERFACING SUSPENDED PAVEMENT

- SUBRADE AND BEDDING MATERIAL AROUND SUSPENDED PAVEMENT IS TO BE COMPACTED BUT NOT OVER COMPACTED TO AVOID SOIL COMPACTION WITHIN THE CELLS.
- GRANITE CURB ABUTTING SUSPENDED PAVEMENT SHOULD BE FLUSHED AND DESIGNED TO ACCOUNT FOR OVERFLOWS AND DIRECT WATER TOWARDS DESIRED CATCHMENTS ZONES WITHOUT UNDERMINING SILVA CELLS/ SUSPENDED PAVEMENT.
- WHERE GRANITE CURB MEETS SUSPENDED PAVEMENTS, ANY JOINTS OR TRANSITIONS MUST BE SEALED TO PREVENT SOIL OR DEBRIS INFILTRATIONS.
- INSTALL SUSPENDED PAVEMENT FIRST TO PROTECTED ITS STRUCTURAL INTEGRITY AND ENSURE PROPER SOIL FILLING.
- GRANITE CURB TO HAVE A COMPACTED SUBGRADE AT LEAST 6-12 INCHES WIDER THAN THE CURB BASE ON BOTH SIDES TO PREVENT SETTLING.
- COMPACTED SUBGRADE DEPTH OF 6-8 INCHES.
- A GRANULAR BASE TO BE SELECTED FOR THE STRUCTURAL STABILITY OF THE GRANITE CURB.
- BEDDING LAYER TO BE A 1 INCH THICK LEVELING COURSE OF SAND OVER COMPACTED SUBGRADE FOR PRECISE PLACEMENT.
- COMPACT THE SUBGRADE AND GRANULAR BASE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY (ASTM D698)

3 GRANITE FLUSH CURB INTERFACING SUSPENDED PAVEMENT

2" = 1'-0"

JAX-FE-FBH-49

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

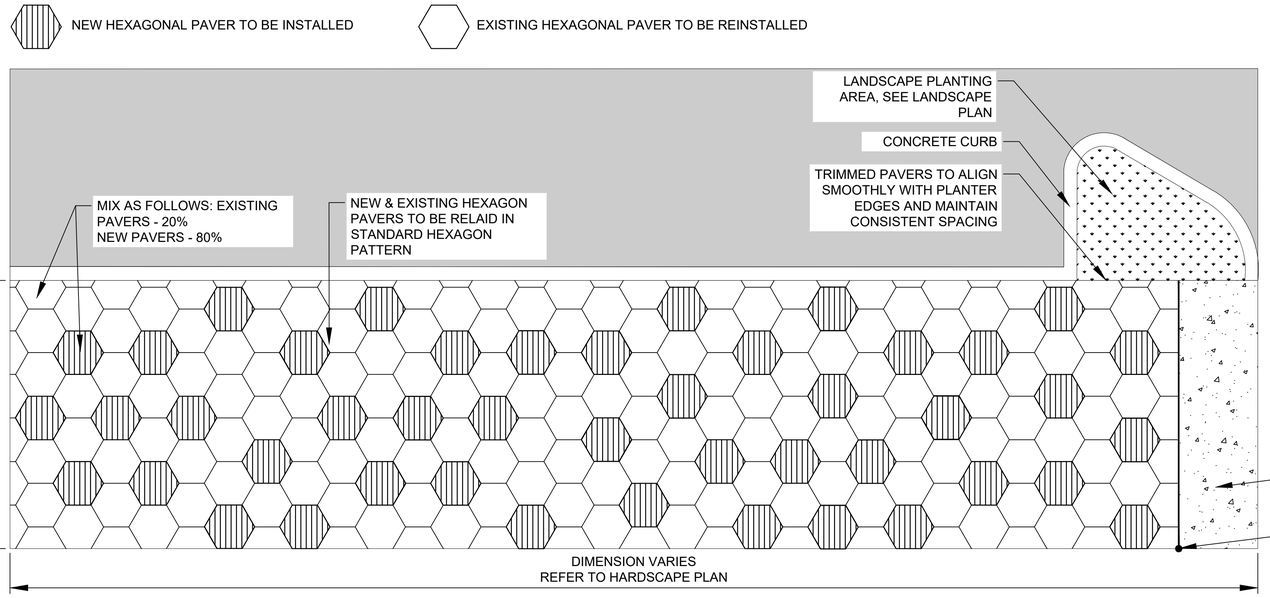
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.51 January 08, 2025 10:34:00am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\color sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTE:

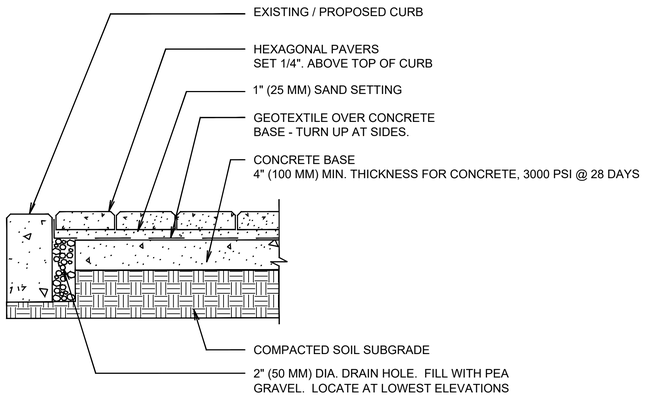
1. FLAT AND SMOOTH INSTALLATION (ADA COMPLIANCE):
- ENSURE ALL PAVERS ARE LAID FLAT AND LEVEL TO CREATE A SMOOTH, CONTINUOUS SURFACE.
- MINIMIZE VERTICAL DISPLACEMENT BETWEEN ADJACENT PAVERS TO NO MORE THAN 1/4 INCH AS PER ADA REQUIREMENTS.
- VERIFY THAT JOINT WIDTHS AND SAND-FILLED JOINTS DO NOT CREATE UNEVEN SURFACES OR TRIPPING HAZARDS.
- CONDUCT PERIODIC SURFACE CHECKS DURING INSTALLATION USING A STRAIGHTEDGE OR LEVEL TO CONFIRM COMPLIANCE WITH ADA SLOPE AND FLATNESS STANDARDS.
- ADDRESS ANY IRREGULARITIES IMMEDIATELY TO MAINTAIN A SAFE, ACCESSIBLE, AND COMPLIANT WALKING SURFACE.
- THIS NOTE EMPHASIZES PRECISION TO MEET ADA STANDARDS WHILE GUIDING THE INSTALLATION TEAM.
- CONTRACTOR TO MIX EXISTING AND NEW PAVERS RANDOMLY AS SHOWN

HEXAGONAL PAVER QUANTITY TO BE REMOVED & RE-USED
EXISTING HEXAGONAL PAVERS (OLD): 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE REMOVED: 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE RE-USED: 1,705 SF
HEXAGONAL PAVERS (NEW PAVERS): 2,342 SF
4" CONCRETE BASE FOR HEXAGONAL PAVERS: 4,047 SF

1 HEX PAVER PATTERN ENLARGEMENT

3/8" = 1'-0"

JAX-FE-FBH-26

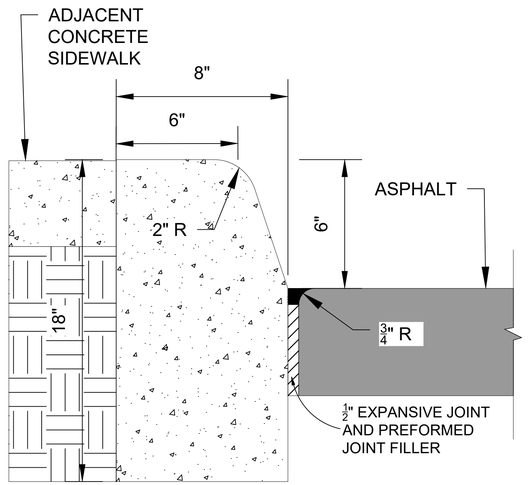


NOTES:
1. THICKNESS REQUIREMENTS WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE. COLDER CLIMATES MAY REQUIRE THICKER BASES.
2. CONSULT ICPI TECH SPEC 2 FOR GUIDELINES ON SPECIFICATIONS FOR BASE MATERIALS, SUBGRADE SOIL AND BASE COMPACTION.

2 HEXAGONAL PAVER ON SIDEWALK

1/16" = 1'-0"

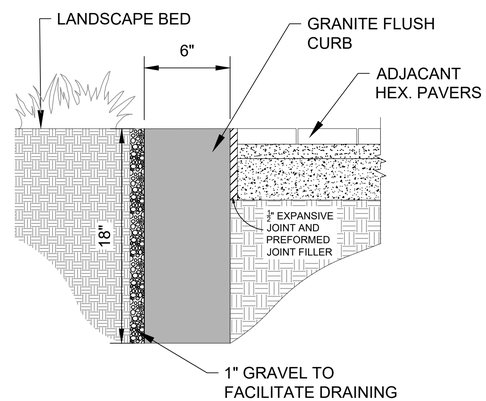
JAX-FE-FBH-35



3 CONCRETE CURB - TYPE 'D'

3" = 1'-0"

JAX-FE-FBH-39



4 GRANITE FLUSH CURB - RELOCATED & REINSTALLED

2" = 1'-0"

JAX-FE-FBH-42

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

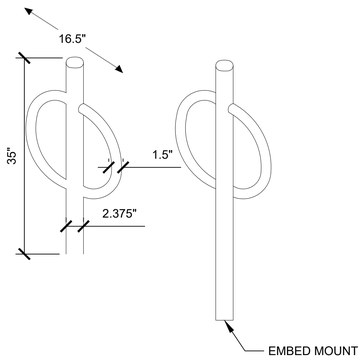
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

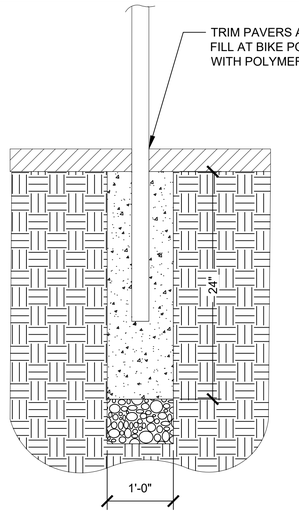
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.52 January 08, 2025 10:34:05am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





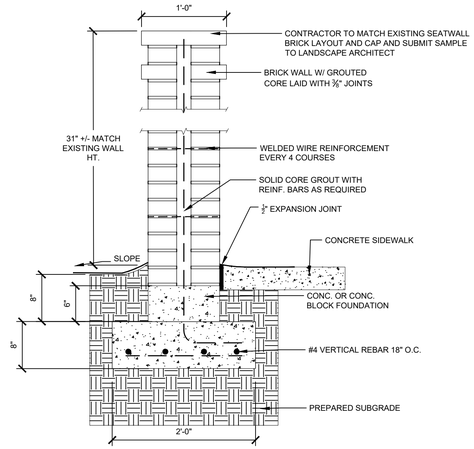
BIKE RACK - CITY OF FERNANDINA BEACH

1. MANUFACTURER: BELSON OUTDOORS
2. MODEL: PAR-2-IG-P GC-238 , STANDARD BOLLARD BIKE RACK WITH OPTIONAL GROUT COVER
3. FINISH: BLACK POWDER-COAT
4. INSTALL OWNER FURNISHED BIKE RACK PER MANUFACTURER'S SPECIFICATIONS, IN GROUND MOUNT
5. BIKE RACKS (NEW) QUANTITY: 20 BIKE RACKS.
6. RE-INSTALL BIKE RACKS EXISTING QUANTITY: 4 BIKE RACKS.

1 BIKE RACK

NTS

JAX-FE-36



2 BRICK SEAT WALL - RELOCATED & REINSTALLED

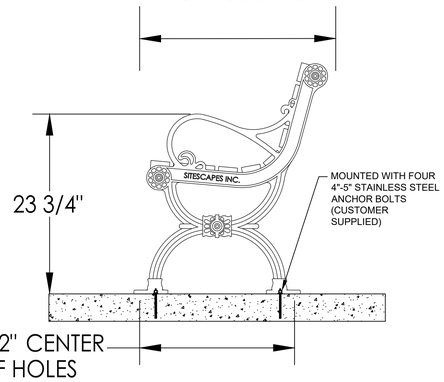
1" = 1"

JAX-FE-FBH-20

SITESCAPES SPECIFICATION: ARLINGTON DECORATIVE CAST END SEATING

(1.1) DESCRIPTION:
SECTIONS INCLUDES INFORMATION, MATERIALS, AND OPTIONS FOR PRODUCTS MANUFACTURES BY STIESCAPES, INC. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS

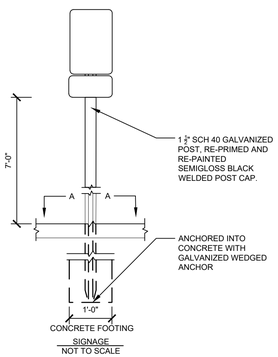
(3.2) INSTALLATION:
BENCHES MAY BE SURFACE MOUNTED USING THE HOLES THAT ARE PREDRILLED IN EACH OF THE FOOTPLATES. BENCHES ARE TO BE MOUNTED WITH FOUR Ø1/2" X 4-5" STAINLESS STEEL ANCHOR BOLTS, WHICH ARE CUSTOMER SUPPLIED. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL PRODUCT IS IN PLACE. THIS SITESCAPES, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.



3 EXISTING BENCH INSTALLATION

1/4" = 1'-0"

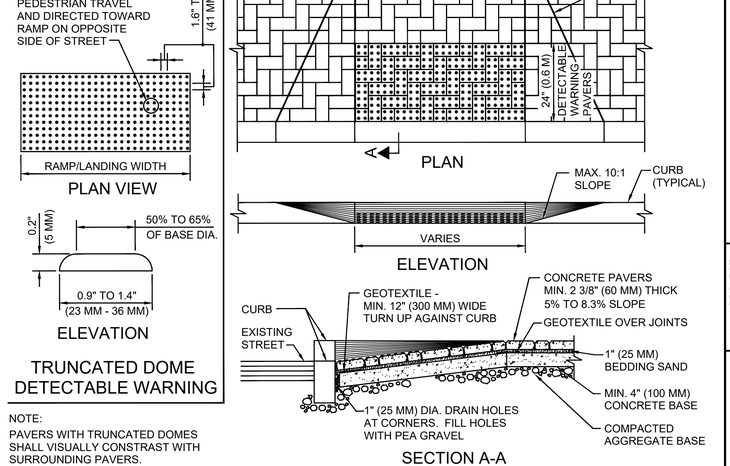
JAX-FE-38



5 SIGN REINSTALLATION

1" = 1'-0"

JAX-FE-24



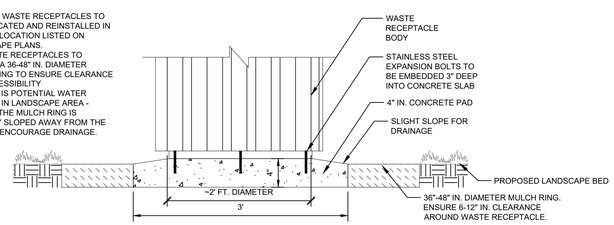
6 CONCRETE CURB RAMP - DETECTABLE WARNING PAVERS

1 1/2" = 1'-0"

JAX-FE-FBH-46

NOTES:

1. EXISTING WASTE RECEPTACLES TO BE RELOCATED AND REINSTALLED IN CHOSEN LOCATION LISTED ON HARDSCAPE PLANS.
2. ALL WASTE RECEPTACLES TO INCLUDE A 36-48" IN. DIAMETER MULCH RING TO ENSURE CLEARANCE FOR ACCESSIBILITY
3. IF THERE IS POTENTIAL WATER POOLING IN LANDSCAPE AREA - ENSURE THE MULCH RING IS SLIGHTLY SLOPED AWAY FROM THE BASE TO ENCOURAGE DRAINAGE.



4 WASTE RECEPTACLE REINSTALLATION

1" = 1'-0"

JAX-FE-FBH-23

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

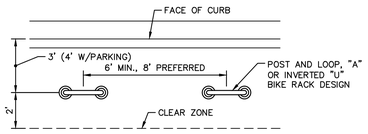
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

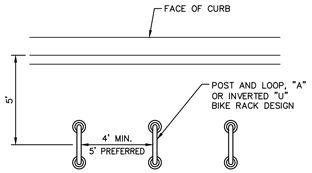
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.53

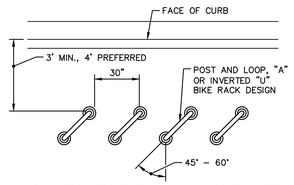
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.53 January 08, 2025 10:34:10am K:\JAX_LALP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



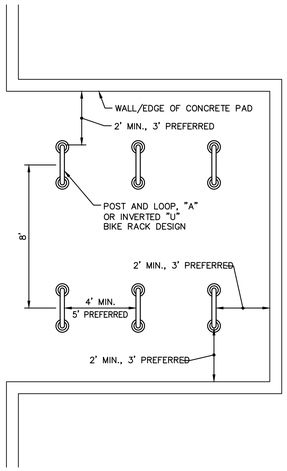
BIKE RACK SPACING - PARALLEL TO CURB



BIKE RACK SPACING - PERPENDICULAR TO CURB



BIKE RACK SPACING - ANGULAR TO CURB

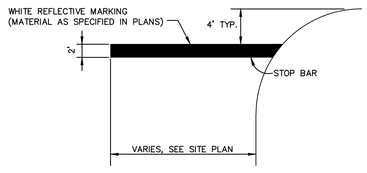


BIKE RACK SPACING - ADJACENT TO WALL

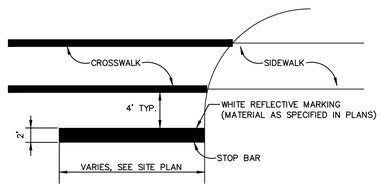
1 BIKE RACK SPACING

NTS

JAX-FE-FBH-50



WITHOUT CROSSWALK

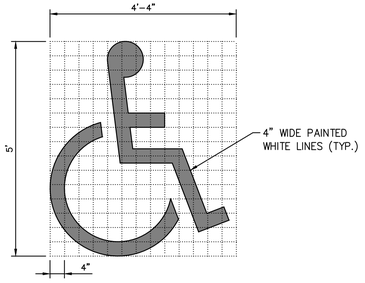


WITH CROSSWALK

3 STOP BAR

NTS

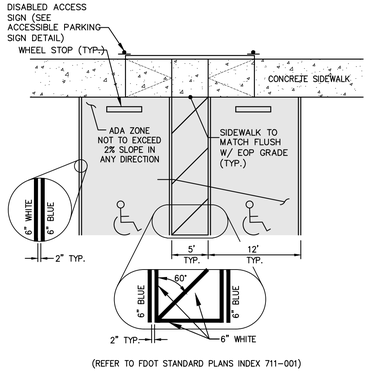
DETAIL-FILE



5 HANDICAPPED PARKING SYMBOL

NTS

DETAIL-FILE



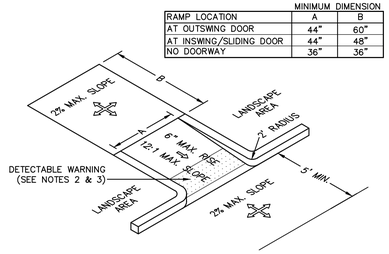
(REFER TO FDOT STANDARD PLANS INDEX 711-001)

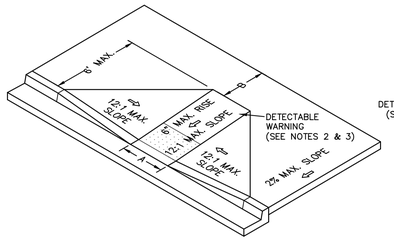
6 ADA PARKING

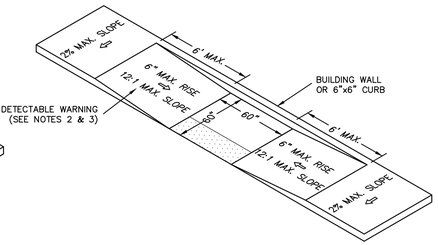
NTS

DETAIL-FILE

RAMP LOCATION	MINIMUM DIMENSION A	MINIMUM DIMENSION B
AT OUTSWING DOOR	44"	60"
AT INSWING/SLIDING DOOR	44"	48"
NO DOORWAY	36"	36"







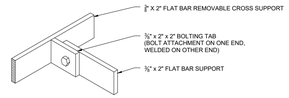
NOTES:

1. ALL CURB CUT ACCESSIBLE RAMPS AND DETECTABLE WARNING SURFACES SHALL BE INSTALLED BY THE SITE CONTRACTOR.
2. CURB RAMPS SUBJECT TO DEPARTMENT OF TRANSPORTATION REGULATION 49 CFR 37.21 SHALL HAVE A DETECTABLE WARNING COMPLYING WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND A MINIMUM OF 24" DEEP (MEASURED FROM THE BACK OF CURB ON THE RAMP SURFACE).
3. ALL DETECTABLE WARNING SURFACES FOR SIDEWALKS AT CURB CUT HANDICAP RAMP SHALL BE A COUNTY APPROVED YELLOW COLORED COMPOSITE MATERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA INSERTS ARE TO BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL CONFORM TO FDOT STANDARD PLANS INDEX 522-002, CODE OF FEDERAL REGULATIONS PART 36, AND CITY OF JACKSONVILLE STANDARDS.

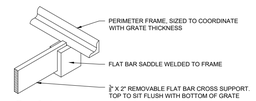
2 ACCESSIBLE RAMP

NTS

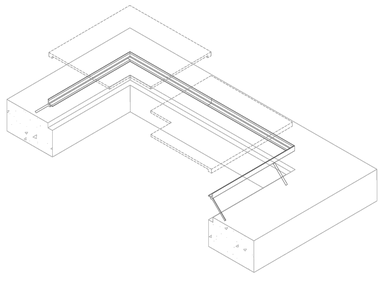
DETAIL-FILE



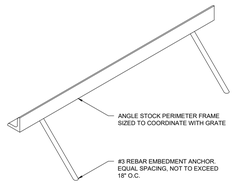
Type S - Isometric
SCALE: NTS



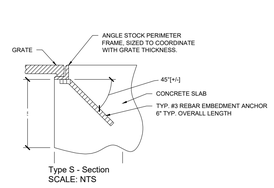
Type S - Isometric
SCALE: NTS



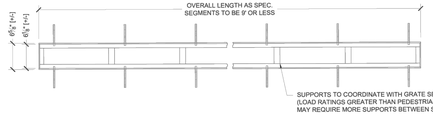
Type S - Exploded Assembly
SCALE: NTS



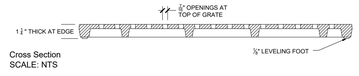
Type S - Isometric
SCALE: NTS



Type S - Section
SCALE: NTS



Example 6" Trench Frame - Plan
SCALE: NTS



Cross Section
SCALE: NTS

TRENCH GRATE:

MATERIAL: 18" X 24" TITLE WAVE TRENCH GRATE BY URBAN ACCESSORIES.

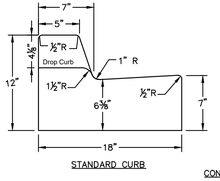
SPECS - TYPE S

TYPE S FRAMES ARE FOR PERMANENT INSTALLS INTO NEW CONCRETE W/O PAVERS. REBAR ANCHORING IS NOT PRE-BENT, BENDING TO BE DONE BY CONTRACTOR PRIOR TO INSTALLATION INTO CONCRETE.

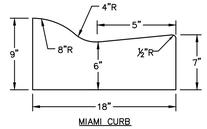
4 TRENCH GRATE

NTS

DETAIL-FILE



STANDARD CURB



MIAMI CURB

CONCRETE QUANTITIES:

CITY STANDARD CURB .0368889 CU. YD./LIN. FT.
MIAMI CURB .0325926 CU. YD./LIN. FT.

7 TRADITIONAL CURBING

NTS

DETAIL-FILE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

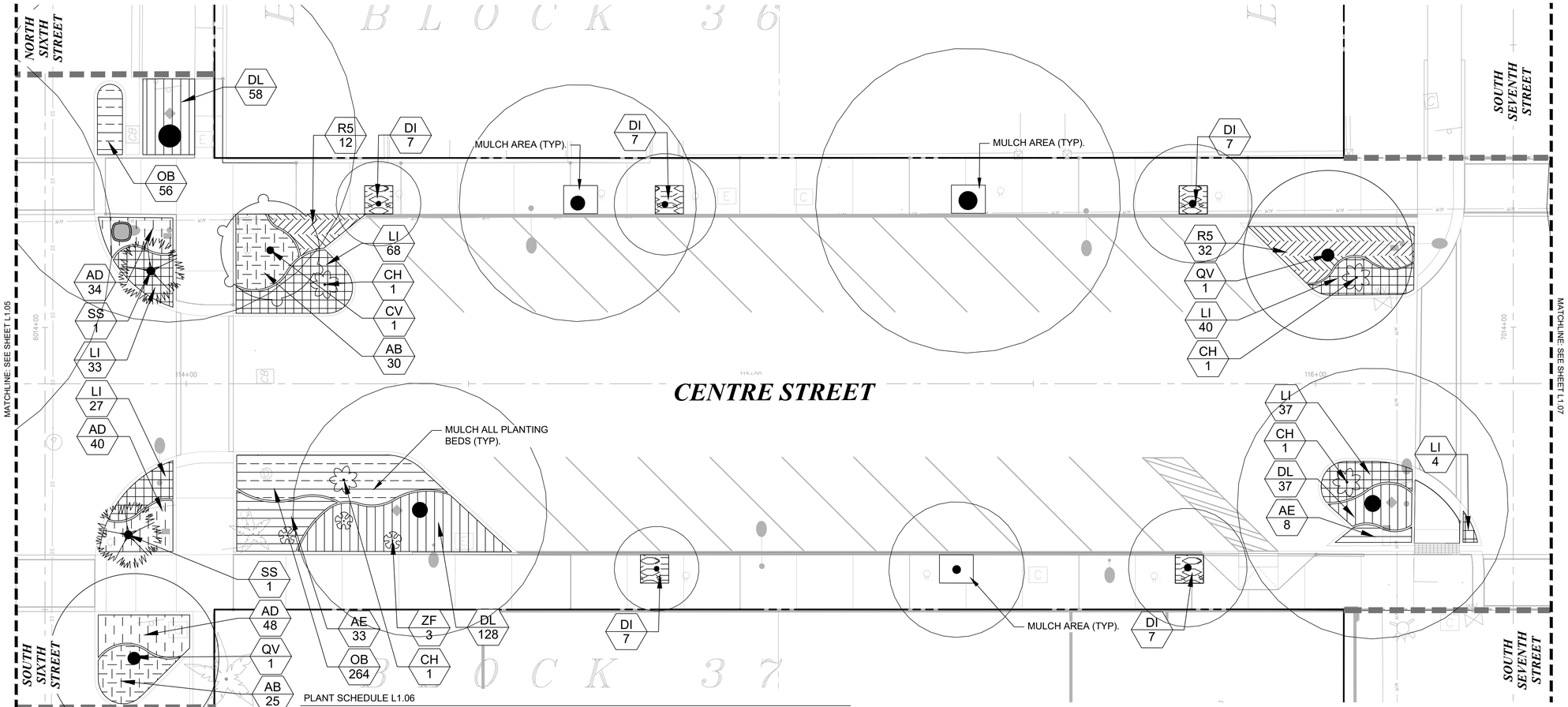
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER H1.54

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.54 January 08, 2025 10:34:54am K:\JAX_LAL\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



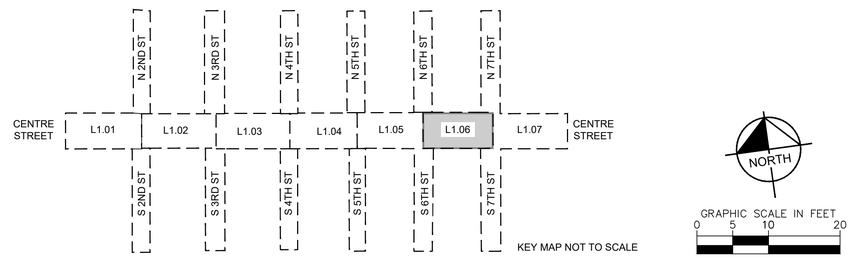
PLANT SCHEDULE L1.06

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	2	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
SHRUBS							
	CH	4	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'	
	ZF	3	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL	
GROUND COVERS							
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.
	AD	122	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.
	AE	41	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.
	DI	35	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.
	DL	223	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.
	LI	209	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.
	OB	320	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.
	R5	44	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DATE	SCALE: AS SHOWN	DESIGNED BY: KHA
142806005	01/08/2025		DRAWN BY: ZRF
			CHECKED BY: MAJ

PLANTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.06

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.06 January 08, 2025 10:36:25am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\color sheets\L1.00 PLANTING PLAN.dwn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	2	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	EO	12	EXISTING LIVE OAK	EXISTING LIVE OAK	CONT.		
	EC	15	EXISTING UNDERSTORY	EXISTING UNDERSTORY	CONT.		
	LM	28	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	XE	17	OFF-SITE TREE	OFF-SITE TREE	CONT.		
	QV	27	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	178	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	10	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	17	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		
	CQ	12	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			
	RE	6	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		
	ZF	18	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		
GROUND COVERS								
	AB	871	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL		24" O.C.
	AD	1,115	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL		24" O.C.
	AE	448	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL		24" O.C.
	DI	387	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL		24" O.C.
	DL	1,201	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL		24" O.C.
	LI	2,885	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL		18" O.C.
	OB	2,714	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"		12" O.C.
	PH	452	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN		24" O.C.
	R5	363	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL		30 O.C.

PLANT SCHEDULE L1.01

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	4	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	3	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	272	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	75	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	114	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	LI	300	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	115	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	56	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.02

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	8	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	4	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	6	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	97	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	267	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	58	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	42	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	234	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	24" o.c.
	LI	629	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	683	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	67	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	84	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.03

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	15	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	3	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	2	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	228	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	206	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	39	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	65	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	192	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	390	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	359	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	75	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	43	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.04

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	3	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	6	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	2	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	1	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	63	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	135	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	DI	28	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	166	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	679	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	128	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	202	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	75	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.05

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	9	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	7	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	101	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	242	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	109	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	349	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	399	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	958	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	35	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	50	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.06

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	2	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	4	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	ZF	3	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	122	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	41	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	35	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	223	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	209	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	320	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	44	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.07

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			48" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	68	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	87	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	105	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	37	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	279	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	151	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	73	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	11	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.08 January 08, 2025 10:36:49am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING SCHEDULE

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.08

TYPICAL PLANTING NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: OBTAINING ALL APPLICABLE PERMITS, FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS SPECIFIED HEREIN.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM CONTRACTOR NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

3. THE CONTRACTOR SHALL SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF THE DEPARTMENT OF TRANSPORTATION (DOT) DESIGN STANDARDS IF A DIRECT APPLICATION OF THE STANDARD IS PROPOSED. THE CONTRACTOR SHALL SUBMIT IN WRITING A STATEMENT INDICATING THE STANDARD INDEX AND PAGE NUMBER NO LESS THAN 10 BUSINESS DAYS PRIOR TO START OF CONSTRUCTION. WHEN A DIRECT APPLICATION OF DOT STANDARD IS NOT ACCEPTABLE A PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A PROFESSIONAL ENGINEER WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC, AS DEFINED BY DOT FOR APPROVAL BY THE COUNTY ENGINEER'S REPRESENTATIVE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON INFORMATION FURNISHED BY THE OWNER OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

5. NOTIFY THE OWNER IMMEDIATELY IF ANY DAMAGES OCCUR TO EXISTING TREES.

6. CALL ONE CALL (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

C. PROTECTION OF EXISTING PLANT MATERIALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC... THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE.

2. SEE TREE MITIGATION PLAN AND NOTES.

D. MATERIALS

1. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY* (OR TAGGED IN NURSERY)
	*IN SOME INSTANCES AN IMAGE TAKEN OF THE PLANT WITH A MEASURING STICK WILL SUFFICE
ROOT BARRIER	NOS SM 2420 ROOT BARRIER (OR APPROVED EQUAL) INSTALL PER MANUFACTURERS' SPECIFICATIONS IN LOCATIONS SHOWN ON PLANS.

2. PLANT MATERIALS

a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE GRADE NO. 1 OR BETTER AS DETERMINED BY THE APPROPRIATE STATE DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.

b. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

c. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:

2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.

b. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.

c. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.

d. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL, MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.

e. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.

2. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

F. WATER

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

* WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

* FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

1. MULCH SHALL BE DOUBLE SHREDDED HARDWOOD MATERIAL
2. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF THREE (3) INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). SEE PLAN FOR MULCH SPECIFICATIONS.

3. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA WITH PINNED WEED BARRIER FABRIC IN EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT (6' MINIMUM) PLANTED UNDER THIS CONTRACT.

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED (B&B), AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROUTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS: ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.

4. RPG="ROOTS PLUS GROWER" CONTAINER PRODUCTS SHALL BE USED WHERE SPECIFIED.

K. MATERIALS LIST

1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION.

2. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

L. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

M. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.

3. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

4. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ONSITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

5. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

6. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

7. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES. ANY DAMAGES CAUSED BY CONTRACTOR WILL BE THE CONTRACTOR'S RESPONSIBILITY.

8. FOLLOW PLANTING SPECIFICATIONS IN PLANTING DETAILS

9. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC.., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

10. TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

11. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6". REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

12. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO ENSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK.

N. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

O. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING TREE GUY SUPPORTS NECESSARY) TO ENSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR OR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

P. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

Q. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

2. ALL TREES ARE REQUIRED TO HAVE 2-YEAR MAINTENANCE AGREEMENT COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

3. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.

4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

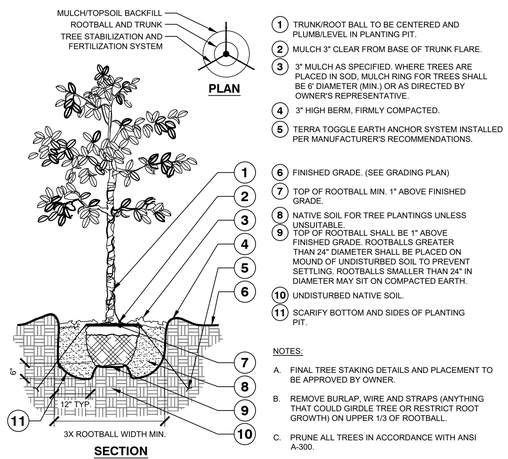
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

PLANTING NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.50 January 08, 2025 10:36:51am K:\JAX_LA\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTES:

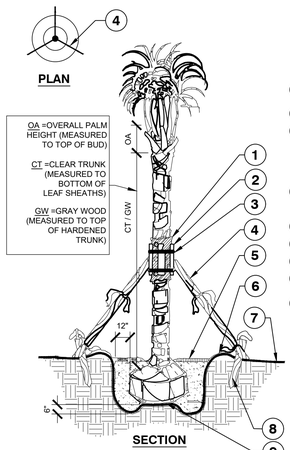
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

1 TREE PLANTING

L-PL-TYP-01



NOTES:

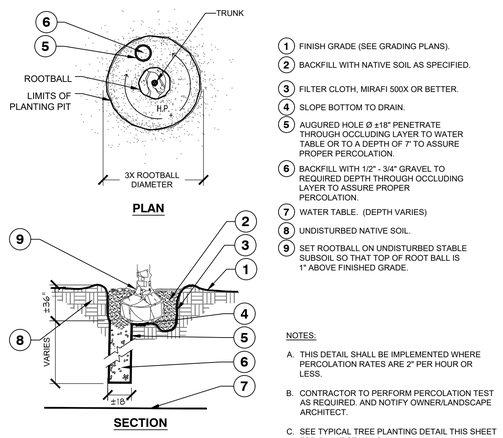
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. ALL TREE STAKING IS TO BE WITHIN MULCH BED AREA OUTSIDE TREE PIT.

C. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION - REFER TO POOR DRAINAGE CONDITION DETAIL.

2 PALM PLANTING AND STAKING

SECTION



NOTES:

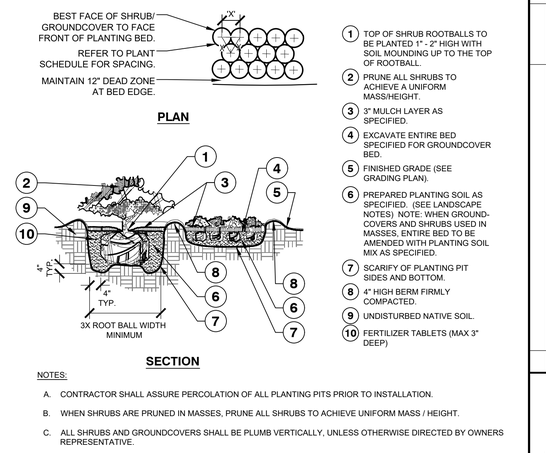
A. THIS DETAIL SHALL BE IMPLEMENTED WHERE PERCOLATION RATES ARE 2" PER HOUR OR LESS.

B. CONTRACTOR TO PERFORM PERCOLATION TEST AS REQUIRED, AND NOTIFY OWNER/LANDSCAPE ARCHITECT.

C. SEE TYPICAL TREE PLANTING DETAIL THIS SHEET FOR PLANT STAKING.

3 POOR DRAINAGE CONDITION

L-PL-TYP-09



NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

4 SHRUB/ GROUNDCOVER PLANTING

L-PL-TYP-03

Model List		
Model #	Height - ft (m)	Caliper - in (mm)
RF0P	Up to 8'	Up to 1.5"
RF0P 4 Leg	Up to 12"	
RF1P	8'-15' (2.5m - 4.5m)	1.5" - 3" (40mm - 75mm)
RF1P 4 Leg	12" - 24" Box	
RF2P	15'-25' (4.5m - 7.5m)	3" - 5.75" (75mm - 150mm)
RF2P 4 Leg	24" - 48" Box	
RF3P	25'-40' (7.5m - 12m)	5.75" - 9.5" (150mm - 230mm)
RF3P 4 Leg	48" - 60" Box	
RF4P	40'+ (12m+)	9.5"+ (230mm+)
RF4P 4 Leg	60" - 84"	
Please contact Platipus representative for boxes over 84"		

5 PLATIPUS TREE ANCHOR WITH DEADMAN FIXING SYSTEM

1" = 10'

JAX-FE-FBP-14

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.51 January 08, 2025 10:36:57am K:\JAX_LALD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

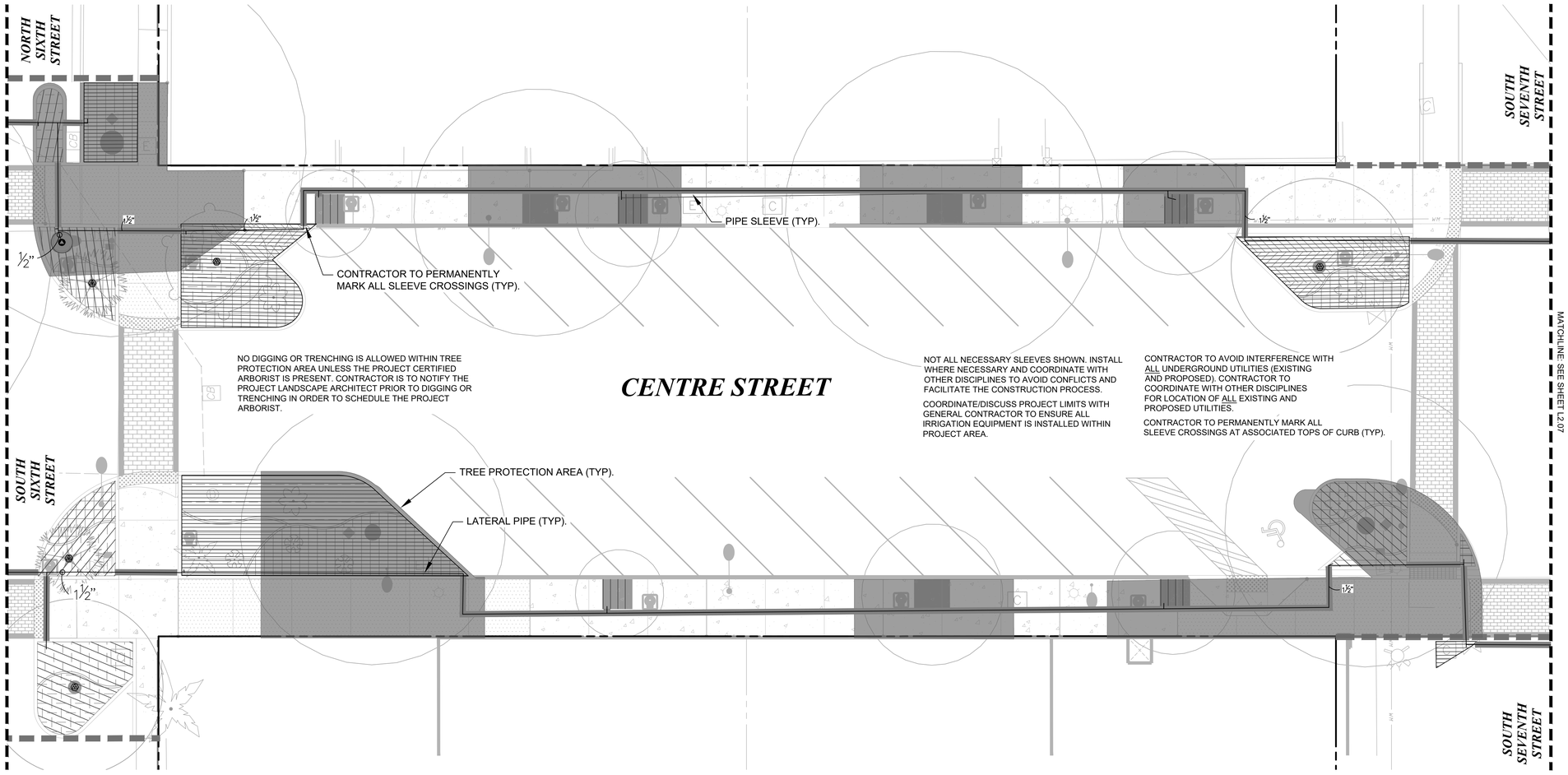
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.51



IRRIGATION SCHEDULE L2.06

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	2
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

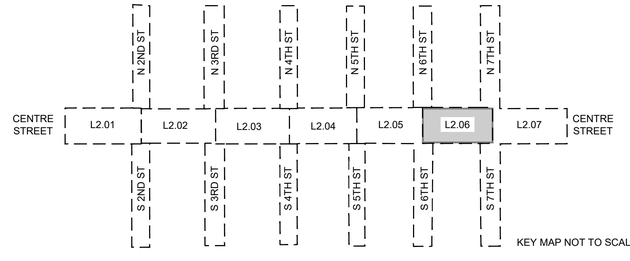
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout
- # — Valve Number
- # — Valve Flow
- # — Valve Size

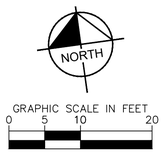
SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)	
PIPE SIZE	SLEEVE SIZE
1"	2"
1 ½"	4"
2"	4"
2 ½"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG.
2. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
3. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.06

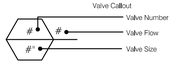
Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.06 January 08, 2025 10:38:52am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SCHEDULE L2.01

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	2
	RAIN BIRD XFCV-06-12 DRIP RING PALM	13
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	7
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



IRRIGATION SCHEDULE L2.02

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	3
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	8
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	3
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

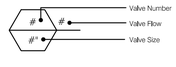
Valve Callout

IRRIGATION SCHEDULE L2.03

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	14
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	2
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

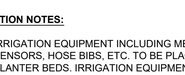


IRRIGATION SCHEDULE L2.04

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	5
	RAIN BIRD XFCV-06-12 DRIP RING PALM	7
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	5
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	3
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

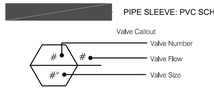


IRRIGATION SCHEDULE L2.05

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	9
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	2
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	2
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	2
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

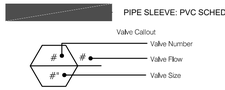


IRRIGATION SCHEDULE L2.06

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	2
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

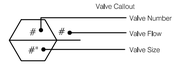


IRRIGATION SCHEDULE L2.07

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING PALM	11
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



VALVE SCHEDULE CENTRE STREET

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PRECIP	TOTAL WATER	RUN TIME
1	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	73.32	33.8	1.44 in/h	0.75 in/h	32 min.
2	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	SPRAY	TBT	TBT	TBT	TBT	TBT
3	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	58.01	34.4	1.44 in/h	0.75 in/h	32 min.
4	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	54.69	33.9	1.44 in/h	0.75 in/h	32 min.
5	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	46.02	33.4	1.45 in/h	0.75 in/h	32 min.
6	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	72.92	36.6	1.44 in/h	0.75 in/h	32 min.
7	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	64.11	32.7	1.44 in/h	0.75 in/h	32 min.

NOTES:

1. IRRIGATION OF NEW LANDSCAPE IS ALLOWED AT ANY TIME OF DAY ON ANY DAY FOR THE INITIAL 30 DAYS AND EVERY OTHER DAY FOR THE NEXT 30 DAYS FOR A TOTAL OF ONE 60-DAY PERIOD, PROVIDED THAT THE IRRIGATION IS LIMITED TO THE MINIMUM AMOUNT NECESSARY FOR ESTABLISHMENT. UPON EXPIRATION OF THIS 60 DAY WINDOW, THE CONTRACTOR IS RESPONSIBLE FOR PROGRAMING THE CONTROLLER TO MEET SJRWMD REQUIREMENTS.
2. THIS SCHEDULE IS PROVIDED FOR CONVENIENCE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ADEQUATE WATERING TO ALL PLANT MATERIAL UNTIL ESTABLISHMENT HAS BEEN REACHED.
3. PROVIDED WATERING SCHEDULE IS PRODUCED BY LAND F/X SOFTWARE FOR SUGGESTED TIMES AFTER ESTABLISHMENT. SCHEDULE MAY VARY BASED ON FIELD CONDITIONS, LANDSCAPE CONTRACTOR TO PROVIDE OWNER WITH ALTERNATIVE WATERING SCHEDULE BASED ON TIME OF PLANTINGS.
5. LANDSCAPE CONTRACTOR TO FOLLOW WATERING SCHEDULE NEEDS BASED ON CHAPTER 40C-2, SUB SECTION 40C-2.042(2) OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT , PERMITTING OF CONSUMPTIVE USES OF WATER. (LISTED BELOW)
SUB SECTION 40C-2.042(2) AFTER ESTABLISHMENT WATERING SCHEDULE DURING DAYLIGHT SAVINGS TIME MAY ONLY OCCUR ON TUESDAYS AND FRIDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. DURING EASTERN STANDARD TIME WATERING SCHEDULE MAY ONLY OCCUR ON TUESDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. MAXIMUM RUN TIME FOR ANY ZONE IS 1 HOUR, AND THE MAXIMUM OUTPUT IS 3/4" PER RUN TIME.

IRRIGATION NOTES:

1. IRRIGATION EQUIPMENT INCLUDING METERS, VALVES, CONTROLLERS, RAIN SENSORS, HOSE BIBS, ETC. TO BE PLACED WITHIN PLANTER BEDS. IRRIGATION EQUIPMENT SHOWN ON SIDEWALK AND STREETS FOR CLARITY ONLY. CONTRACTOR TO VERIFY LOCATION WITH LANDSCAPE ARCHITECT BEFORE INSTALLATION.
2. REFER TO SLEEVING CHART FOR SLEEVE SIZING. ANY MAINLINES OR LATERALS INSTALLED WITHIN VEHICULAR AREAS SHALL BE DOUBLE SLEEVED.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CL01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: L2.08 January 08, 2025 10:39:24pm K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\color sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SPECIFICATION AND NOTES

1. THE SYSTEM SHALL BE DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.

2. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL FIELD VERIFY.

3. CONTRACTOR TO FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.

4. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.

5. IRRIGATION DESIGN IS SCHEMATIC ONLY. FULL AND COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE OWNER'S REPRESENTATIVE.

6. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.

7. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. THE DRAWING SHALL INCLUDE ALL CHANGES MADE TO THE EXISTING IRRIGATION SYSTEM AND ALL NEWLY INSTALLED COMPONENTS INCLUDING ALL SPRINKLERS, STATING BODY TYPES AND NOZZLES, PIPE, INCLUDING SIZES AND THE ENDS OF SLEEVING LOCATIONS AS MEASURED FROM AT LEAST TWO FIXED OBJECTS, CONTROLLER AND WIRE ROUTING. THIS DRAWING MAY BE AN ADAPTATION OF THE IRRIGATION DESIGN WITH ANY CHANGES DRAFTED IN THIS DRAWING. THE DRAWING SHALL ALSO PROVIDE A MINIMUM OF TWO DIMENSIONS TAKEN FROM FIXED OBJECTS TO EACH AUTOMATIC VALVE AND MANUAL CONTROL VALVE. THE AS-BUILT DRAWING SHALL BE DRAWN TO SCALE, PRODUCED IN AUTOCAD OR OTHER DIGITAL DRAFTING PROGRAM, AND DELIVERED AS A PDF AND TWO PRINTED FULL SIZE COPIES.

8. IRRIGATION CONTRACTOR TO PROVIDE POWER SUPPLY TO ELECTRIC CONTROLLERS.

9. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.

10. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS, AS SPECIFIED.

11. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.

12. CONTRACTOR TO COORDINATE LOCATION OF ALL METERS AND BACKFLOW ASSEMBLIES WITH PROJECT OWNER.

13. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.

14. THE CONTRACTOR TO INSTALL PVC PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REVIEW CONSTRUCTION PLANS WITH THE OWNER'S REPRESENTATIVE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO HEAD LINE OR ZONE PLACEMENT.

15. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.

16. ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.

17. SLEEVES UNDER EXISTING PAVEMENT MUST BE DIRECTIONAL BORE. OPEN CUT IS NOT AN OPTION.

18. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.

19. THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR-CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.

20. ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS:

-RECTANGULAR 12"X17" HEAVY DUTY BOX. (PURPLE COVER FOR REUSE TO BE PROVIDED WHERE APPROPRIATE).

21. ALL UNSIZED PIPE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON PLAN. SEE LATERAL PIPE SIZING REQUIREMENTS.

22. EACH TREE AND PALM (AS SHOWN ON THE PLANS) SHALL HAVE A MIN 20 GALLON PER HOUR FLOOD BUBBLER. LOCATE BUBBLER ON THE UPHILL SIDE OF TREES ON ALL SLOPES.

23. ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED ONE (1) FOOT FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).

24. LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2'-0" FROM THE EDGE OF PAVEMENT OR CURB. BACKFLOW, MASTER VALVE, AND FLOW SENSOR SHALL BE A MINIMUM OF 2'-0" FROM BACK OF CURB OR PAVEMENT.

25. IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIPLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.

26. ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND AIR RELIEF VALVE UNLESS THE SPECIFIED DRIPLINE INCLUDES CHECKVALVES. DRIPLINE SHALL PROVIDE 0.9 GPH EMITTERS, 18" O.C. WITH 18" LINE SPACING AT A MINIMUM.

27. IRRIGATION CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL CONTROLLER AND SOIL SENSOR LOCATIONS. THE CONTROLLER SHALL BE PLACED IN A LOCKING CABINET IN THE MOST INCONSPICUOUS AREA APPROPRIATE FOR ITS LOCATION. (INDOOR VS. OUTDOOR USE)

28. CONTRACTOR SHALL PERFORM HYDRO-TESTING OF MAIN LINES.

HYDRO-TESTING TO BE PERFORMED AS LISTED:

THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF TESTING. PRIOR TO BACKFILLING, CONTRACTOR SHALL FILL PIPING WITH WATER, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, TAKING CARE TO PURGE THE AIR FROM IT. A SMALL, HIGH PRESSURE PUMP OR OTHER MEANS OF MAINTAINING A CONTINUOUS WATER SUPPLY SHALL BE CONNECTED TO THE PIPING AND SET SO AS TO MAINTAIN 125 PSI FOR TWO (2) HOURS WITHOUT INTERRUPTION. CONTRACTOR SHALL MAKE ANY NECESSARY CORRECTIONS AND RETEST THE SYSTEM UNTIL THE OWNER'S REPRESENTATIVE IS SATISFIED THAT THE SYSTEM IS REASONABLY SOUND.

29. ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL FOLLOW MANUFACTURERS SPECIFICATIONS. ALL CONTROL WIRE SHALL BE INSTALLED IN A 1-1/4" ELECTRICAL CONDUIT.

30. ALL UNIMPROVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR.

31. INSTALL ALL BACKFLOW PREVENTION DEVICES AND ALL PIPING BETWEEN THE POINT OF CONNECTION AND THE BACKFLOW PREVENTER AS PER LOCAL CODES. FINAL LOCATION SHALL BE DETERMINED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

32. COMMERCIAL LOTS ARE TO UTILIZE SMART IRRIGATION CONTROLLERS WITH SOIL MOISTURE METER SENSORS (SOIL MOISTURE SYSTEMS) TO DETERMINE OPTIMUM MOISTURE LEVELS, SHUT DOWN IRRIGATION, PREVENTING WATER WASTE. THE SOIL MOISTURE SYSTEM SHALL OPERATE AS A PERMISSIVE AND NOT AS A CALL-TO-RUN. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO INSTALL, TEST AND CERTIFY THE SOIL MOISTURE SYSTEM FOR PROPER INSTALLATION AND OPERATION PRIOR TO OCCUPANCY.

33. INSPECT THE CONSTRUCTION SITE BEFORE ANY WORK BEGINS AND FLAG LOCATIONS OF MAINLINE PIPE, SLEEVES, HEADS, AND VALVES FOR REVIEW BY THE OWNER'S REPRESENTATIVE. FLAGS SHALL BE CLEARLY MARKED OR COLORED TO DESIGNATE THE TYPE OF EQUIPMENT TO BE INSTALLED AT THAT POINT. INSTALLATION SHALL NOT COMMENCE UNTIL THE STAKING/FLAGGING HAS BEEN APPROVED.

34. PROVIDE A MINIMUM DEPTH OF COVER OF 18 INCHES FOR ALL MAIN LINE PIPE AND 12 INCHES OF COVER FOR ALL ZONE PIPE AS MEASURED FROM FINISH GRADE.

35. PROVIDE THE MINIMUM DEPTH OF COVER, AS SPECIFIED ABOVE, OVER THE TOP OF THE PIPE BEFORE THE TRENCH IS WHEEL-LOADED.

36. PROVIDE INITIAL BACK FILL MATERIAL THAT IS FINE-GRAINED MATERIAL FREE FROM COMPACTED EARTH GREATER THAN 2 INCHES IN DIAMETER, ROCKS, OR STONES.

37. TAMP THE BACK FILL IN LAYERS NOT TO EXCEED 6 INCHES. LIFT AND COMPACT FIRMLY AROUND THE PIPE AND UP TO AT LEAST 6 INCHES ABOVE THE TOP-OF-PIPE. SUFFICIENTLY MOISTEN THE BACK FILL TO PERMIT THROUGH COMPACTION UNDER AND ON EACH SIDE OF THE PIPE TO PROVIDE SUPPORT FREE FROM VOIDS. AVOID DEFORMING, DISPLACING, OR DAMAGING THE PIPE DURING THIS PHASE OF THE OPERATION. ENSURE THAT WHEN FINISHED, THE SOIL COMPACTION EQUALS THE ORIGINAL CONDITION.

38. SQUARE CUT, CLEAN, AND PIPE ALL JOINTS BEFORE CEMENTING. FULLY ENGAGE ALL JOINTS WHILE CEMENTING. PVC FITTINGS: MAKE ALL SOLVENTS WELD JOINTS IN ACCORDANCE WITH ASTM D2855. PRIME ALL FITTINGS WITH PURPLE PRIMER BEFORE MAKING SOLVENT WELD CONNECTIONS. ALLOW SOLVENT-WELDED JOINTS AT LEAST 1 HOUR TO SET UP BEFORE MOVING OR HANDLING. DO NOT PERMIT WATER IN THE PIPE FOR AT LEAST 24 HOURS AFTER MAKING A SOLVENT WELD ON THAT PIPE UNLESS RECOMMENDED OTHERWISE BY THE SOLVENT CEMENT MANUFACTURER. SEAL ALL THREADED PVC FITTINGS WITH LIQUID TEFLON EXCEPT SPRINKLER HEADS, ELECTRIC VALVE CONNECTIONS, AND SWING JOINTS. INSTALL ALL OF THESE EXCEPTIONS USING 1-INCH TEFLON TAPE.

39. FLUSH ALL PIPELINES BEFORE SPRINKLERS ARE INSTALLED. MAINTAIN A MINIMUM PIPE VELOCITY OF 3 FEET PER SECOND AND FLUSH FOR A MINIMUM TIME OF: T = 2L/3 WHERE T = TIME IN SECONDS AND L = PIPE LENGTH IN FEET FROM INLET POINT TO MOST DISTANT POINT IN THE PIPELINE.

40. INSTALL WIRING IN THE SAME TRENCH AND ALONG THE SAME ROUTE AS AND UNDERNEATH THE MAIN LINE EXCEPT IN LOCATIONS WHERE THE WIRE WILL PASS UNDER PAVING. AT THOSE LOCATIONS, INSTALL THE WIRE INSIDE A PVC SLEEVE. INSTALL CONTROL WIRING THROUGH WALLS, FLOORS, AND SLABS IN PVC SLEEVES.

41. USE UL UF WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS. USE RED #14 AWG WIRE FOR ALL VALVE POWER WIRES. USE WHITE #14 AWG WIRE FOR ALL VALVE COMMON WIRES. USE #14 OR LARGER TWISTED SHIELDED PAIR WIRE FOR ALL TWO-WIRE APPLICATION ON THIS SYSTEM. USE 5/8" OR LARGER COPPER GROUND RODS, COPPER GROUNDING PLATES, CADWELD "ONE SHOT" CONNECTORS AND #6 OR LARGER BARE COPPER WIRE FOR ALL GROUNDING APPLICATIONS FOR THIS SYSTEM. INSTALL GROUNDING AT THE CONTROLLER, ALL DECODER LOCATIONS, AND ALL TERMINATIONS OF THE TWO-WIRE SYSTEM.

42. THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE IN ADVANCE THAT EACH ITEM IS READY FOR INSPECTION AS INDICATED BELOW:

A. FLAGGED UNDERGROUND MAINLINE PIPING, SLEEVES, SPRINKLER AND VALVE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION - NOTIFY 48 HOURS IN ADVANCE.

B. SPRINKLER COVERAGE TEST - NOTIFY 48 HOURS IN ADVANCE.

C. FINAL INSPECTION - NOTIFY 48 HOURS IN ADVANCE.

42. THE CONTRACTOR SHALL ISSUE TO THE OWNER OR OWNER'S REPRESENTATIVE A CERTIFICATE OF WARRANTY OF THE IRRIGATION SYSTEM FOR A PERIOD OF NOT LESS THAN 1 YEAR ON ALL SPRINKLERS, VALVES, THE CONTROLLER, AND THE CONTRACTOR'S LABOR.

43. SUPPLY TO THE OWNER ALL INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING AND ELECTRICAL-RELATED EQUIPMENT, BOUND IN ONE FOLDER. FURNISH THE OWNER WITH ANY KEYS FOR LOCKABLE ITEMS ON THIS SYSTEM.

44. ENSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPE AREAS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING THE INSTALLATION.

45. ALL APPLICABLE CODES SHALL TAKE PRECEDENCE OVER THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFFER TO CO.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

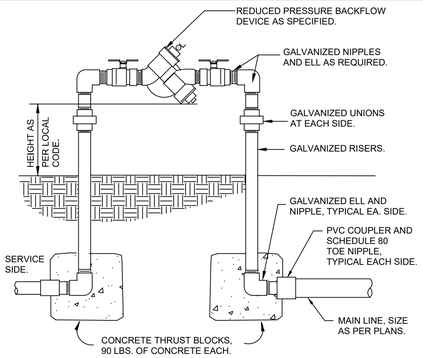
IRRIGATION NOTES

FERNANDINA BEACH STREETSCAPE
IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

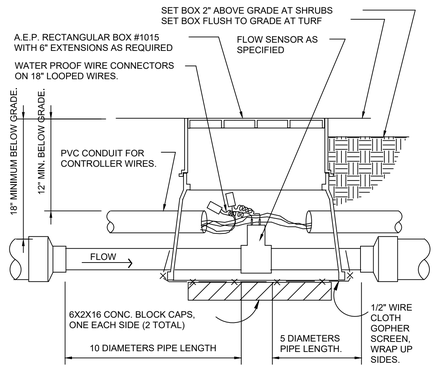
SHEET NUMBER
L2.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.50 January 08, 2025 10:39:26am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



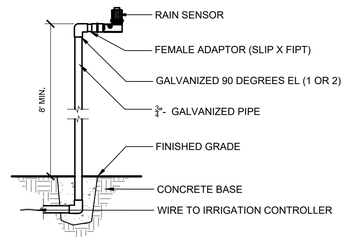
1 REDUCED PRESSURE BACKFLOW DEVICE

1" = 1'-0" L-IR-BAC-03



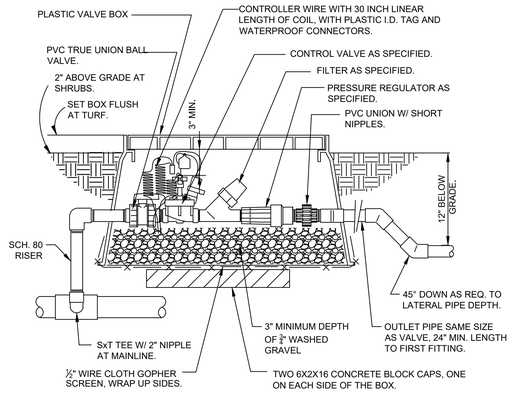
2 FLOW SENSOR ASSEMBLY

NTS L-IR-SEN-01



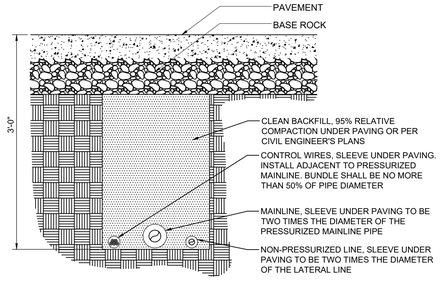
3 RAIN SENSOR- POLE MOUNT

SECTION NTS



4 REMOTE CONTROL VALVE (DRIP)

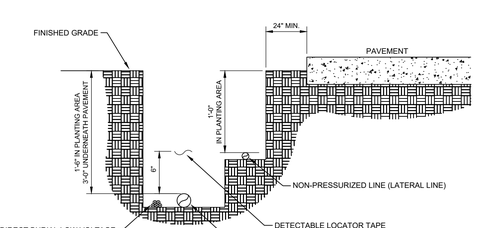
NTS L-IR-DRI-05



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE.
2. ALL SLEEVES SHALL BE SCH. 200 PVC PIPE.
3. ALL SLEEVES SHALL EXTEND 12" BEYOND THE EDGE OF PAVEMENT.
4. END OF SLEEVES SHALL BE LOCATED WITH A WOODEN STAKE OR PVC PIPE. LOCATORS SHALL RUN CONTINUOUSLY FROM THE END OF THE SLEEVE TO FINISHED GRADE.

5 TYPICAL IRRIGATION SLEEVING

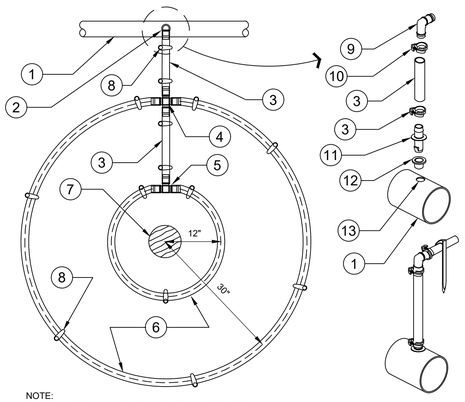
L-IR-EQU-03



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
2. SLEEVING IS REQUIRED AS SHOWN ON PLAN.
3. DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

6 IRRIGATION TRENCHING

NTS L-IR-EQU-10

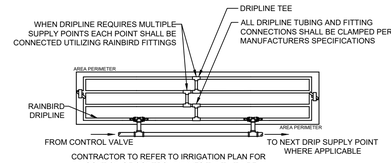


NOTE:
PLACE TIE DOWN STAKES EVERY 3 FT. IN SAND, 4 FT. IN LOAM, AND 5 FT. IN CLAY, AS WELL AS AT ALL CHANGE OF DIRECTION SUCH AS AT TEES OR ELLS.

DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL

7 TYPICAL DRIP IRRIGATION

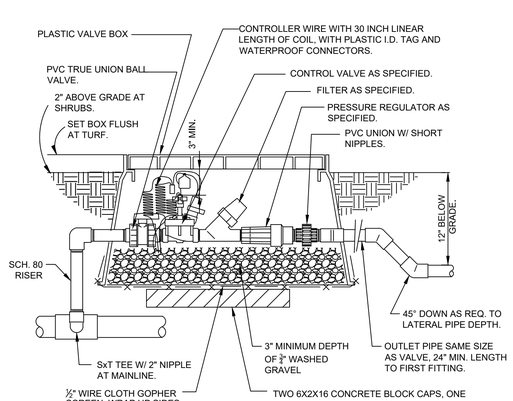
NTS L-IR-DRI-25



CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS.

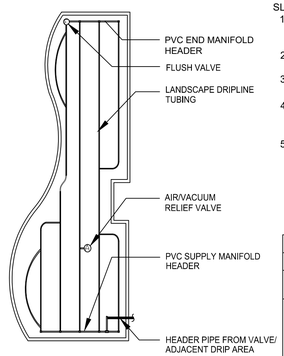
NOTE
1. DRIP TUBING TO BE ROUTED IN THE PLANT MATERIAL BED WITH AT MAXIMUM LATERAL SPACING OF 16 INCHES.
2. DRIP TUBING TO BE INSTALLED IN A GRID PATTERN. DRIP TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.
3. INSTALL WITH AIR RELIEF VALVE, OPERATION INDICATOR AND FLUSH VALVE. INSTALL ALL UNDERGROUND EQUIPMENT IN 12" ROUND VALVE BOX.

1. LATERAL SUPPLY PIPE, SEE PLAN.
2. DRIPLINE CONNECTION TO BELOW GRADE LATERAL PIPE, SEE DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL (TYPICAL CONDITION).
3. POLYETHYLENE TUBING SEE PLAN FOR SIZING.
4. BARB CROSS INSERT FITTING.
5. BARB TEE INSERT FITTING.
6. AT-GRADE DRIPLINE, INNER RING 12" FROM PLANT, OUTTER RING 30" FROM PLANT. DRIPLINE AS SPECIFIED ON PLAN.
7. PLANT TRUNK.
8. TYPICAL ANTELCO ASTA TIE-DOWN STAKE, SEE NOTE.
9. DRIPLINE BARBED INSERT ELL.
10. RATCHET CLAMP AT ALL BARBED CONNECTIONS, ANTELCO PART NO. 44345.
11. INSERT ADAPTER, ANTELCO "XPANDO" PART NO. 45595.
12. ANTELCO "CAPO: RUBBER GROMMET, NO. 45735.
13. DRILL 5/8" HOLE IN PVC LATERAL PIPE WHERE REQUIRED. YOU MUST USE A "FORSTNER" DRILL BIT FOR DRILLING INTO PVC. REMOVE ANY EXCESS BURRS OR ROUGH EDGES.



8 REMOTE CONTROL VALVE (DRIP)

NTS JAX-O9-05



SLOPE CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP 2/3 OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 1/3 OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM 1/3 ON A SEPARATE VALVE.

MAXIMUM LATERAL LENGTH (FEET)	
EMITTER FLOW RATE GPH	
PSI	18" SPACING 0.6
15	314
20	353
30	413
40	465
50	528
60	596

9 TYPICAL DRIPLINE LAYOUT

NTS JAX-O9-27

10 TREE RING DRIPLINE IRRIGATION

N.T.S. JAX-O9-04

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO CO.01 SIGNATURE SHEET

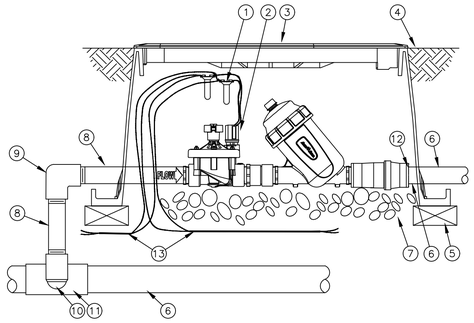
KHA PROJECT 142806005	
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.51 January 08, 2025 10:39:31am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

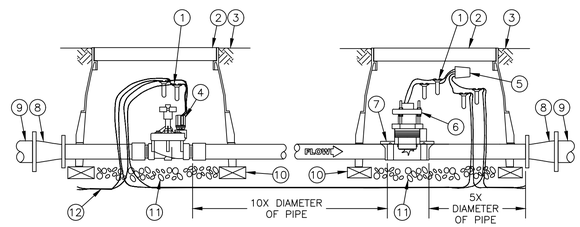


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. THE LCDR KIT INCLUDES A PESB-R VALVE AND DISC FILTER FOR RECLAIMED WATER USE.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20 (TWO REQUIRED)
2. RAIN BIRD DRIP KIT: XCZ-150-LCDR WITH IVM-SOL
3. VALVE BOX WITH COVER: RAIN BIRD VB-JUMBO
4. FINISH GRADE OR TOP OF MULCH
5. BRICK (1 OF 4)
6. PVC PIPE
7. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
8. PVC SCH 80 NIPPLE 1 1/2"
9. PVC SCH 80 ELBOW
10. PVC SCH 80 NIPPLE (2" LENGTH, HIDDEN) AND PVC SCH 80 ELBOW
11. PVC SCH 80 TEE OR ELBOW
12. PVC SCH 40 MALE ADAPTER
13. TWO-WIRE CABLE BETWEEN DEVICES

1 XCZ-150-LCDR WITH IVM-SOL

NTS JAX-09-20



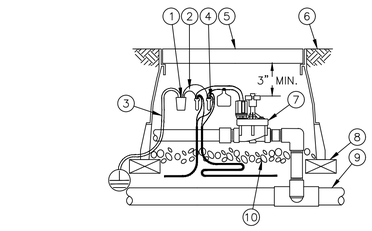
NOTE:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20
2. VALVE BOX WITH COVER: RAIN BIRD VB-STD
3. FINISH GRADE/TOP OF MULCH
4. NORMALLY CLOSED MASTER VALVE: RAIN BIRD PEB OR PGA WITH IVM
5. RAIN BIRD IVM-SEN
6. FLOW SENSOR: RAIN BIRD FS SERIES
7. DOUBLE-STRAP SADDLE
8. CONCENTRIC REDUCER
9. PVC MAINLINE PIPE
10. BRICK (1 OF 4)
11. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
12. TWO-WIRE CABLE BETWEEN DEVICES

NOTE:
1. REFER TO RAIN BIRD TECHNICAL DATA FOR FLOW SENSOR INSTALLATION BASED ON PIPE SIZING PARAMETERS.

2 MASTER VALVE WITH IVM-SOL AND FLOW SENSOR WITH IVM-SEN

NTS JAX-09-19

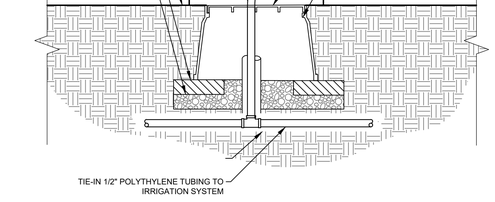


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. ONE IVM-SD IS REQUIRED EVERY 500 FEET OR EVERY 15 FIELD DEVICES.

1. RAIN BIRD IVM-SD SURGE DEVICE
2. CONNECT THE RED AND BLACK WIRES ON THE IVM-SD TO THE TWO-WIRE PATH
3. CONNECT THE GREEN WIRES FROM THE IVM-SD TO THE GROUNDING ROD OR PLATE
4. WATERPROOF CONNECTION RAIN BIRD WC20 (TWO REQUIRED)
5. VALVE BOX WITH COVER: RAIN BIRD VB-STD
6. FINISH GRADE/TOP OF MULCH
7. ELECTRIC REMOTE-CONTROL VALVE
8. BRICK (1 OF 4)
9. PVC MAINLINE PIPE
10. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
11. TWO-WIRE CABLE BETWEEN DEVICES

3 ELECTRIC REMOTE-CONTROL VALVE WITH IVM-SOL AND IVM-SD (SURGE DEVICE)

NTS JAX-09-18



4 DRIP RING IN PLANTER

NTS JAX-FE-24

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETIALS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L2.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.52 January 08, 2025 10:39:36am K:\JAX\LALP\142806005 — fernandina beach streetscape\working files\CAD\xlsx sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL NOTES:

1. THE SUBMISSION OF A BID BY THE CONTRACTOR IS NOTIFICATION THAT THE CONTRACTOR HAS TOTALLY FAMILIARIZED HIMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING SITE CONDITIONS AND HAS AGREED TO PROVIDE THE NECESSARY LABOR AND MATERIAL FOR THE COMPLETE INSTALLATION OF EACH SYSTEM IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST PRACTICES OF THE INDUSTRY AND IN COMPLIANCE WITH ALL AUTHORITIES HAVING JURISDICTION.
2. THESE DRAWINGS ARE PRESENTED TO THE CONTRACTOR WITH THE UNDERSTANDING THAT THE CONTRACTOR IS AN EXPERT AND COMPETENT IN THE PREPARATION OF CONTRACT BID PRICES ON THE BASIS OF INFORMATION SUCH AS IS CONTAINED IN THESE DOCUMENTS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION AND IN COMPLETE CONFORMANCE WITH ALL APPLICABLE CODES, RULES, AND REGULATIONS. MINOR ITEMS NOT USUALLY SHOWN OR SPECIFIED, BUT MANIFESTLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE VARIOUS SYSTEMS, SHALL BE INCLUDED IN THE WORK AND IN THE PROPOSAL THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO DEPARTURES SHALL BE MADE WITHOUT PRIOR APPROVAL.
3. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.
4. THE DRAWINGS INDICATE ARRANGEMENTS AND APPROXIMATE SIZES AND RELATIVE LOCATIONS OF PRINCIPAL APPARATUS, EQUIPMENT, DEVICES, AND SERVICES TO BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND ARE A GRAPHIC REPRESENTATION OF CONTRACT REQUIREMENTS BASED ON THE INFORMATION PROVIDED BY THE MANUFACTURER IDENTIFIED IN THE EQUIPMENT SCHEDULE AT THE SCALE INDICATED.
5. LAYOUT OF EQUIPMENT INDICATED ON THE DRAWINGS SHALL BE CHECKED AND COMPARED AGAINST ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND EXACT LOCATIONS DETERMINED USING APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT. WHERE PHYSICAL INTERFERENCES OCCUR, CONSULT WITH THE OWNER AND PREPARE DATED, DIMENSIONED DRAWINGS COORDINATED WITH ALL OTHER TRADES WORKING IN THIS AREA AND CORRECTING SUCH INTERFERENCE.
6. THE CONTRACTOR SHALL SCHEDULE THEIR WORK IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE SO THAT ALL OF THEIR WORK CAN BE INSTALLED WITHOUT DELAYING THE PROJECT. ALL WORK RELATED TO SHUTDOWN OF EXISTING SERVICES SHALL BE PERFORMED AT THE HOURS DESIGNATED BY THE OWNER WITH ALL ASSOCIATED COSTS BORNE BY THE CONTRACTOR AT NO COST TO THE OWNER. PROVIDE ANY TEMPORARY FACILITIES REQUIRED TO PERMIT OWNER'S USE OF EXISTING FACILITIES AND SYSTEMS TO REMAIN UNDISTURBED. COORDINATE ALL WORK, INCLUDING ALL SHUTDOWNS THAT AFFECT SYSTEMS AND/OR PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION, WITH OWNER.
7. THE CONTRACTOR SHALL SECURE AND PAY ALL FEES, LICENSES, INSPECTIONS, AND PERMITS PERTAINING TO THE CONTRACT. SUBMIT TO OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM APPROVED INSPECTION AGENCY.
8. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORKMEN'S IDENTIFICATION AND BADGING, SAFETY AND FIRE PROTECTION, BARRICADES, WARNING SIGNS, TRASH REMOVAL, CUTTING AND PATCHING.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND WITHOUT BLEMISH OR DEFECT. ALL EQUIPMENT INSTALLED SHALL BEAR THE LABEL OF AN APPROVED AGENCY.
11. THE CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT, AND TRANSFER TO POINT OF INSTALLATION FOR ALL FURNISHED ITEMS.
12. WHERE CONDUIT, CABLES, DUCTWORK, OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE PENETRATION SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THIS SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER TO MAINTAIN THE UL LISTED FIRE RATING OF THE PENETRATED WALL OR FLOOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB OPENINGS, WALL OPENINGS, BEAM PENETRATIONS, AND CORING AS IT RELATES TO THEIR WORK. THE CONTRACTOR SHALL SUBMIT SIZE AND LOCATION FOR REVIEW AND APPROVAL.
14. ALL EXTERIOR WALL OPENINGS SHALL BE SLEEVED, PROPERLY CAULKED, AND SEALED WITH A HIGH QUALITY SEALANT TO PREVENT INFILTRATION OF MOISTURE AND OUTSIDE AIR.
15. THE CONTRACTOR SHALL SUBMIT SCHEDULE OF SUBMITTALS PRIOR TO SUBMITTING ANY SHOP DRAWINGS, ETC. TO BE SUBMITTED FOR THIS PROJECT, INCLUDING THE ANTICIPATED DATE OF EACH SUBMISSION. CONTRACTORS SHALL SUBMIT AN ELECTRONIC COPY OF THE COMPLETE SHOP DRAWINGS AND CATALOG CUTS, WIRING DIAGRAMS AND ASSOCIATED DATA TO THE OWNER FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT OR STARTING ANY WORK. ANY WORK INSTALLED OR EQUIPMENT PURCHASED PRIOR TO RECEIPT OF OWNER APPROVED SUBMITTALS SHOP DRAWINGS THAT REQUIRES CHANGES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
16. SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE CONTRACTOR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS.
17. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL SUPPLY THE OWNER WITH (3) COMPLETE BOUND COPIES OF ALL OWNER APPROVED SUBMITTALS AND ALL OPERATION AND MAINTENANCE MANUALS
18. ALL WORK FURNISHED UNDER THE CONTRACT SHALL BE GUARANTEED AGAINST ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION, UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS, AND ANY DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED AND ANY DEFECTIVE MATERIAL REPLACED WITHOUT ADDITIONAL COST TO THE OWNER.
19. INSTALLED SYSTEMS SHALL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT SOUND OR VIBRATION THAT IS OBJECTABLE TO THE OWNER, OBJECTABLE SOUND OR VIBRATION CONDITIONS DUE TO WORKMANSHIP SHALL BE CORRECTED IN APPROVED MANNER BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
20. THE CONTRACTOR SHALL SIMILARLY NOTIFY OWNER OF COMPLETION OF ALL WORK, INDICATING THE CONTRACTOR IS READY FOR THE OWNER TO PERFORM THE FINAL PUNCHLIST INSPECTION.
21. UPON COMPLETION OF ALL UNFINISHED OR FAULTY WORK NOTED IN THE OWNER'S FINAL PUNCH LIST, THE CONTRACTOR SHALL SUBMIT TO THE OWNER IN WRITING A LETTER OF COMPLETION CERTIFYING THAT ALL PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ALL AS-BUILTS, MANUALS, ETC. HAVE BEEN SUBMITTED.
22. SHOULD A CONTRACTOR REQUIRE REMOVAL, RELOCATION, OR REROUTING OF ANOTHER TRADE'S WORK THAT IS NOT INDICATED ON DRAWINGS, THE CONTRACTOR REQUIRING SUCH WORK SHALL BE RESPONSIBLE FOR THAT WORK, AND PAY ALL REQUIRED COSTS.
23. ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEMS, EQUIPMENT, AND MATERIALS SHALL BE REVIEWED WITH THE OWNER BEFORE BEGINNING WORK.
24. DEFINITION: UNLESS OTHERWISE NOTED, ALL WORK SPECIFIED HEREIN OR NOTED ON DRAWINGS, SHALL BE BY THE CONTRACTOR. THE TERM "PROVIDE" WHENEVER ENCOUNTERED ON DRAWINGS OR IN THESE SPECIFICATIONS, SHALL MEAN "FURNISH AND INSTALL."
25. CODES AND STANDARDS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND FIRE INSURANCE CARRIER'S REQUIREMENTS.
26. MATERIALS: ALL MATERIALS FURNISHED BY THIS CONTRACTOR, SHALL BE NEW AND BEAR THE LABEL OR LISTING OF A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.
27. OUTLET AND SWITCH BOXES: PROVIDE AND INSTALL OUTLET BOXES OF PROPER TYPE AND SIZE AS REQUIRED AT ALL OUTLETS WHERE SHOWN. SECURED FIRMLY IN PLACE AND SET TRUE AND SQUARE AND FLUSH WITH THE FINISHED SURFACE.
28. WIRING: WIRES SHALL BE COPPER AND RATED FOR THE LOCATIONS IN WHICH THEY ARE INSTALLED. ALL RACEWAYS ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION TO BE DETERMINED ON THE JOB. CONTRACTOR SHALL ARRANGE ALL NEW CIRCUITS IN PANELS SO AS TO BALANCE THE LOAD ON ALL PHASES.
29. A TYPED DIRECTORY CARD SHALL BE PROVIDED IN EACH PANEL WITH ADDED CIRCUITS TO INDICATE THE LOADS ACTUALLY SERVED.
30. GROUNDING: SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 250. PROVIDE GROUND WIRES AS REQUIRED AND RESIZE CONDUIT IF NECESSARY.
31. DEMONSTRATION OF COMPLETE ELECTRICAL SYSTEMS: UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF APPROVAL FROM THE RESPECTIVE INSPECTION AGENCIES. CONTRACTOR SHALL NOTIFY AND MAKE ALL THE NECESSARY ARRANGEMENTS WITH THE INSPECTING AGENCY AND LOCAL AUTHORITIES SO THAT INSPECTION MAY BE CARRIED OUT AT THE PROPER TIME.

LEGEND

SYMBOL	TYPE	MODEL NUMBER	MOUNTING HEIGHT	MOUNTING TYPE	DESCRIPTION	WATTAGE
	TYPE T1	CN55P1A-FGC-T3MB1A-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T2	SN21P1-FGC-T1-P10-30K	14'	POLE MOUNTED	SINGLE	22W
	TYPE T3	CN55P1A-FGC-T3HS-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T4	DSX1-LED-P3-30K-80CRI-T4M-MVOLT -SPA-PER7-DBLXD	18.5'	POLE MOUNTED	SINGLE	N/A
E	NEW PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
C	NEW COMMUNIATIONS PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	LOAD CENTER (LC)	LOAD CENTER	N/A	N/A	N/A	N/A
	EXISTING PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	NEW RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A
	SPECIAL RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A

COMMUNICATION CONDUIT

ELECTRICAL CONDUIT

UGE EXISTING ELECTRICAL CONDUIT

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: JM
CHECKED BY: MAJ

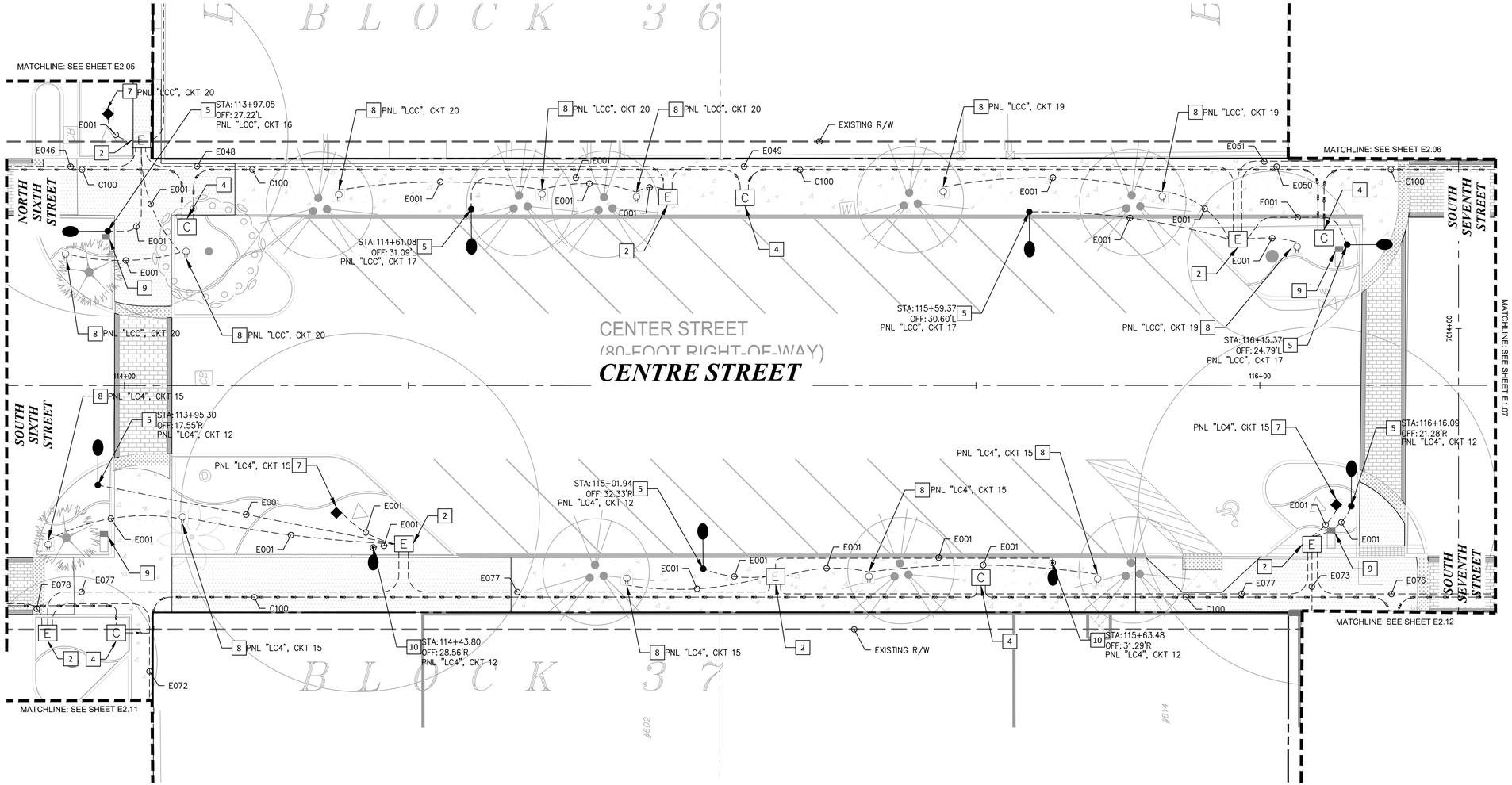
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

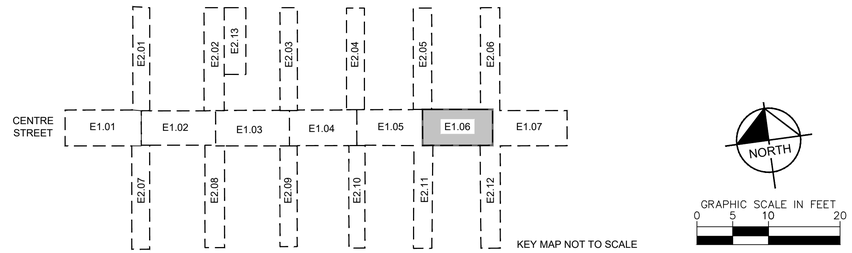
SHEET NUMBER
E0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E0.00 January 08, 2025 10:39:56am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCTION NOTES

2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
5. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
7. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP WITH ABOVE GROUND CONDUIT. SEE DETAIL A ON PAGE E3.01.
8. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.
9. EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.
10. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	JM
CHECKED BY:	MAJ

LIGHTING PLAN

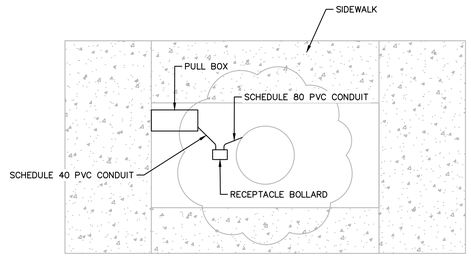
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

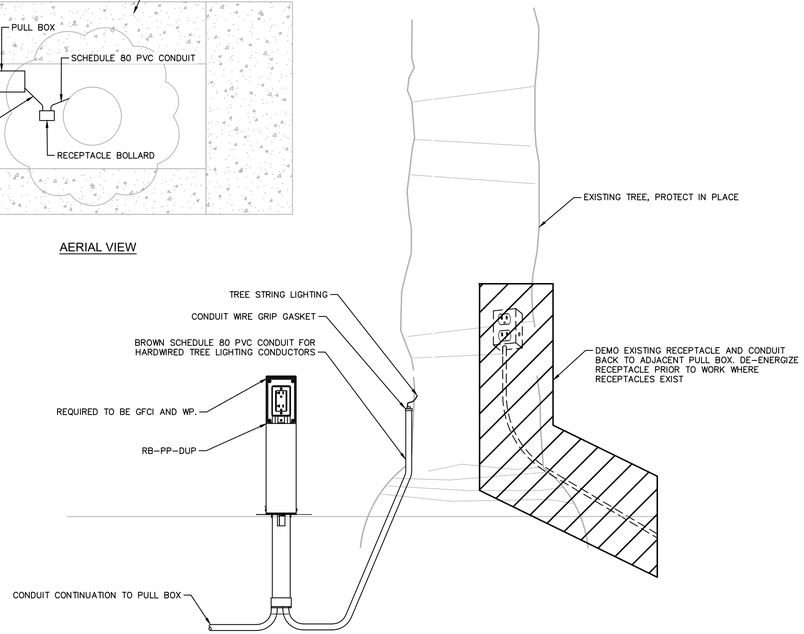
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E1.06

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E1.06 January 08, 2025 10:41:02am K:\JAX_LAD\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\E1.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

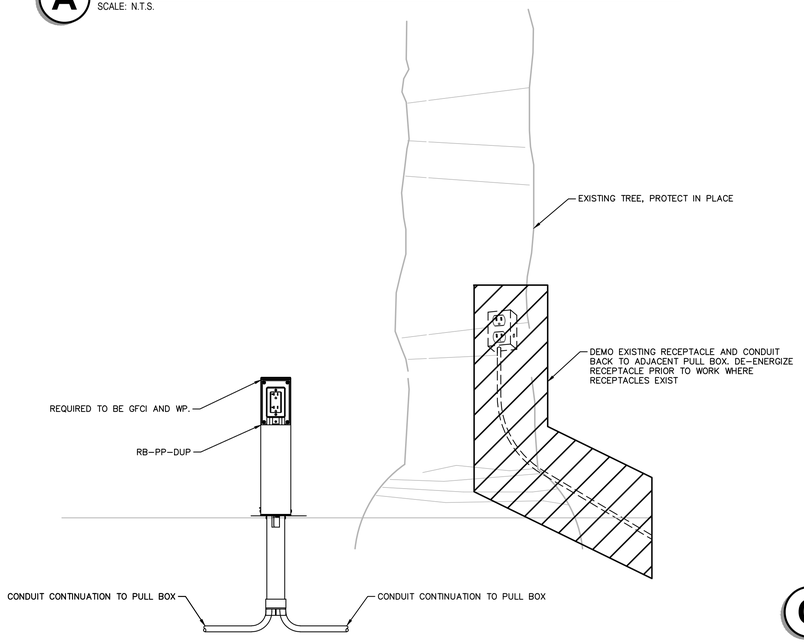


AERIAL VIEW



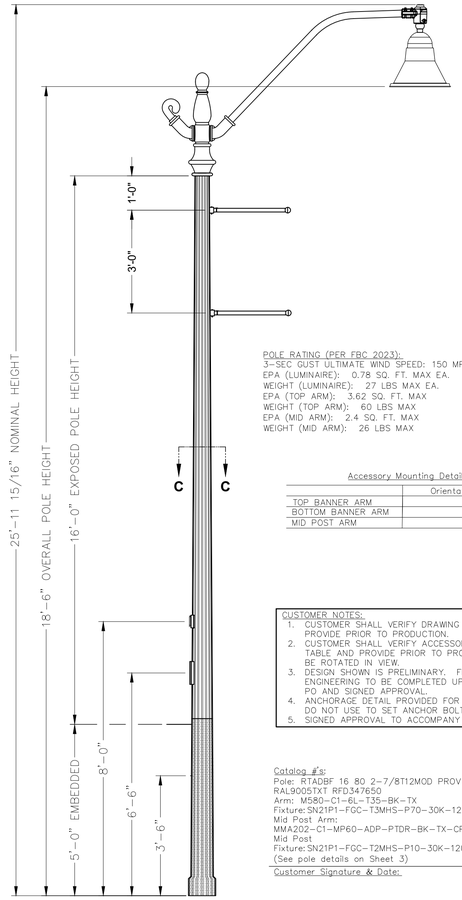
A TYPICAL HERITAGE TREE RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



B TYPICAL RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



POLE RATING (PER FBC 2023):
3-SEC GUST ULTIMATE WIND SPEED: 150 MPH MAX
EPA (LUMINAIRE): 0.78 SQ. FT. MAX EA.
WEIGHT (LUMINAIRE): 27 LBS MAX EA.
EPA (TOP ARM): 3.62 SQ. FT. MAX
WEIGHT (TOP ARM): 60 LBS MAX
EPA (MID ARM): 2.4 SQ. FT. MAX
WEIGHT (MID ARM): 26 LBS MAX

Accessory Mounting Detail

	Orientation
TOP BANNER ARM	
BOTTOM BANNER ARM	
MID POST ARM	

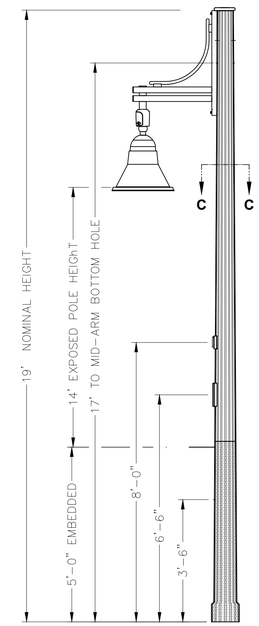
CUSTOMER NOTES:
1. CUSTOMER SHALL VERIFY DRAWING DETAILS AND PROVIDE PRIOR TO PRODUCTION.
2. CUSTOMER SHALL VERIFY ACCESSORY LOCATION IN TABLE AND PROVIDE PRIOR TO PRODUCTION. MAY BE ROTATED IN VIEW.
3. DESIGN SHOWN IS PRELIMINARY. FINAL ENGINEERING TO BE COMPLETED UPON RECEIPT OF PO AND SIGNED APPROVAL.
4. ANCHORAGE DETAIL PROVIDED FOR VISUAL ONLY – DO NOT USE TO SET ANCHOR BOLTS.
5. SIGNED APPROVAL TO ACCOMPANY PO.

Catalog #'s:
Pole: RTADBF 16 80 2-7/8T12MOD PROV GFI 2BA
RAL9005TXT RFD347650
Arm: M580-C1-6L-T35-BK-TX
Fixture: SN21P1-FGC-T3MHS-P70-30K-120-10KV-ADS-PTDR-BK-TX
Mid Post Arm:
MMA202-C1-MP60-ADP-PTDR-BK-TX-CP6786
Mid Post
Fixture: SN21P1-FGC-T2MHS-P10-30K-120-10KV-ADP-PTDR-DIM-BK-TX
(See pole details on Sheet 3)

Customer Signature & Date:

C TYPICAL STREET LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.



D TYPICAL PEDESTRIAN LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

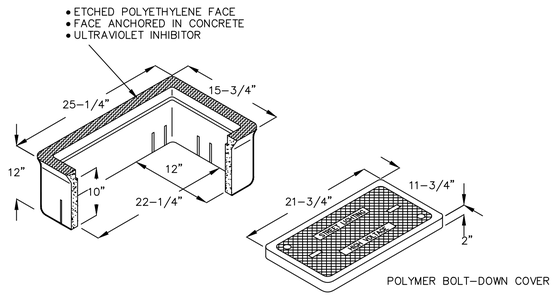
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

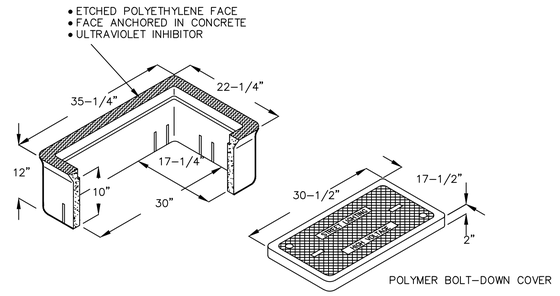
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.01

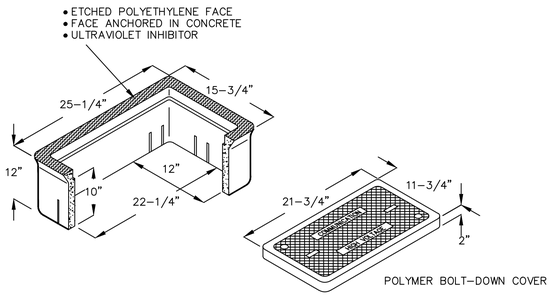
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.01 January 08, 2025 10:46:34am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



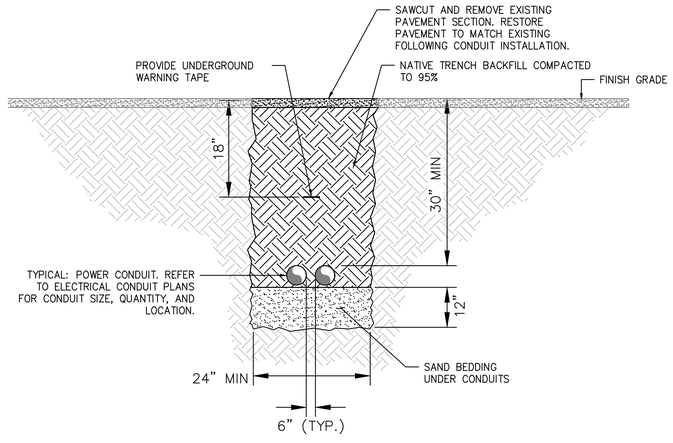
E **TYPICAL NO.5 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



F **TYPICAL NO.7 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



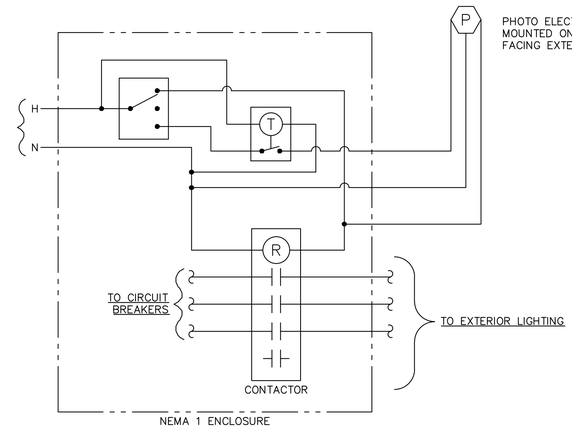
G **TYPICAL COMMUNICATION NO.5 PULL-BOX INSTALLATION DETAIL**
SCALE: N.T.S.



NOTES:

1. ADJUST MINIMUM TRENCH WIDTH TO ACCOMMODATE SPECIFIED CONDUITS IN TRENCH MAINTAINING SEPARATION INDICATED.
2. CEC TABLE 300.5 REQUIRES MINIMUM COVER OF 24" BELOW GRADE UNDER PARKING LOTS AND ROADWAYS. PROVIDE 30" MINIMUM COVER AS INDICATED IN THESE LOCATIONS.
3. CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS INDICATED OTHERWISE ON PLAN VIEW.

Z **TRENCH DETAIL**
SCALE: N.T.S.



H **TYPICAL LIGHTING CONTACTOR AND CONTROL DETAIL**
SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.02 January 08, 2025 10:46:18am K:\JAX_LAND\142806005 – Fernandina beach streetscape\working files\CAD\plan sheets\ES.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E001	1"	NEW	1	(2) #10 AWG CONDUCTORS AND (1) #10 GROUND	ALL	ALL	All connections from pullbox to fixture
E002	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	15	Park Lighting
E003	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	14, 15, 20	South Street Lighting, Park Lighting, Street Receptn
E004	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	19, 21	North Street Lighting, Street Receptn
E005	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 21, 23	Center & North 2nd Steet Lighting, Street Receptn
E006	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	18	North 2nd Street Lighting
E007	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 23	North Street Lighting, Street Receptn
E008	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 23	North Street Lighting, Street Receptn
E009	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16	South 3rd Street Lighting
E010	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 24	Center & South 3rd Street Lighting, Street Receptn
E011	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 17, 22, 24	Center & South 3rd Street Lighting, Street Receptn
E012	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13	South 2nd Street Street Lighting
E013	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 16, 17, 22, 24	Center, South 2nd &3rd Street Lighting, Street Receptn
E014	3"	NEW	1	(12) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 20, 21, 23	Street Lighting, Street Receptn
	3"	NEW	1	(14) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 14, 15, 16, 17, 22, 24	Street Lighting, Street Receptn
E020	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 20	Center Street Lighting, Street Receptn
E021	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	17	North 3rd Street Lighting
E022	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E023	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 17, 20	Center and North 3rd Street Lighting, Street Receptn
E024	2"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCB	22	
E025	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E026	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E027	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E028	3"	NEW	1	(4) #6 AWG CONDUCTORS	LCB	19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E029	3"	NEW	1	(6) #6 AWG CONDUCTORS	LCB	16, 19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E030	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
E031	1"	NEW	1	(2) #8 AWG CONDUCTORS AND (1) #8 GROUND	LCB	24	Library Parking Lot Lighting
E032	3"	NEW	1	(12) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21, 24	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E042	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6GROUND	LCC	16	North East 5th Street Lighting
E043	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16	North East 5th Street Lighting
E044	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16, 21	Center & North 5th Street Lighting, Receptn
E045	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14	North East 6th Street Lighting
E046	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
E047	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	14	North East 6th Street Lighting
E048	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCC	20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E049	3"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
				(4) #6 AWG CONDUCTORS	LCC	17, 20	Center, North 5th & 6th Street Lighting, Receptn
E050	3"	NEW	1	(8) #6 AWG CONDUCTORS	LCC	13, 17, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E051	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	13	North East 7th Street Lighting
E052	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17	Center Street Lighting
E053	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17, 18	Center Street Lighting, Receptn
E054	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCC	13, 17, 18, 19, 20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn
E055	2"	NEW	1	(10) #6 AWG CONDUCTORS (1) #6 GROUND	LCC	13, 17, 18, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E060	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12	South East 3rd Street Lighting
E061	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12, 16	South East 3rd Street Lighting, Receptn
E062	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E063	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E064	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	South West 5th Street Lighting
E065	2"	NEW	1	(4) #6 AWG CONDUCTORS	LC3	15, 18	South West 5th & Center Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	
E066	2"	NEW	1	(6) #6 AWG CONDUCTORS	LC3	11, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South West 5th & Center Street Lighting, Receptn
E067	2"	NEW	1	(8) #6 AWG CONDUCTORS	LC3	11, 13, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South 4tth, 5th & Center Street Lighting, Receptn
E068	3"	NEW	1	(10) #6 AWG CONDUCTORS	LC3	11, 13, 15, 16, 17	South 4tth, 5th & Center Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12, 14, 18	South East 3rd Street & Center Lighting, Receptn
E069	2"	NEW	1	(2) #6 AWG CONDUCTORS	LC3	16	South East 3rd Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12	
E070	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	13	Center &South East 5th Street Lighting
E071	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	13, 14	Center &South East 5th Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS	LC4	18	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	
E072	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	9	South 6th Street Lighting
E073	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	10	South 7th Street Lighting
E074	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	11	Center Street Lighting
E075	2"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	11, 17	Center Street Lighting, Receptn
E076	2"	NEW	1	(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center, South 6th & 7th Street Lighting, Receptn
E077	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	12, 15	Center, South 6th & 7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	
E078	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	9, 12, 15	Center &South7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center & South 6th Street Lighting, Receptn
E079	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	12, 13, 14, 15	Center, South 5th & 7th Street Lighting, Receptn
	3"	NEW	1	(10) #4 AWG CONDUCTORS	LC4	10, 11, 16, 17, 18	Center, South & 6th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting
E080	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	20	North West 5th Street Lighting
E081	2"	NEW	1	(2) #4 AWG CONDUCTORS	LC4	18	Center & North West 5th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting

SITE COMMUNICATION CONDUIT SCHEDULE					
CONDUIT				CABLE	REMARKS
PATH NO.	SIZE	STATUS	QTY		
C100	3"	NEW	1	PULL STING	All connections from pullbox to pullbox

P CONDUIT AND CONDUCTOR SCHEDULE

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING CUTSHEETS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.04 January 08, 2025 10:46:41am K:\JAX_LAL\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.03 January 08, 2025 10:46:46am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00_LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

PANEL NAME (NEW): LC C

LOCATION: NORTH 7TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 125 A
MCB RATING: 125 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1			125	2					1	20	L	LIGHTS	2
3	MAIN								1	20	L	LIGHTS	4
5									1	20	L	LIGHTS	6
7	WEST POWER PEDESTALS	R	100	2					1	20	R	CONTACTOR	8
9									1	20	R	SPRINKLER/TIME CLOCK ON PEDESTAL	10
11	EAST POWER PEDESTALS	R	60	2					1	20	R	CONTACTORS	12
13	**LIGHTING N 7TH**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 6TH**	14
15	SPACE							1,425	1	20	L	**LIGHTING CENTER**	16
17	**LIGHTING CENTER**	L	20	1	1,425	1,260			1	20	R	**CENTER RECEPTACLES**	18
19	**CENTER RECEPTACLES**	R	20	1			1,080	1,080	1	20	R	**CENTER RECEPTACLES**	20
21	**CENTER RECEPTACLES**	R	20	1	1,260							SPACE	22
23	SPACE	R	20	1								SPACE	24
					TOTAL LOAD:		6,395 VA		TOTAL LOAD:			3,585 VA	
					TOTAL AMPS:		53.3 A		TOTAL AMPS:			29.9 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	9980
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11305
RECEPTACLE (R)	4680.0	100.00%	4680.0	TOTAL CONN. (A):	41.6
LIGHTING (L)	5300.0	125.00%	6625.0	TOTAL EST. DEMAND (A):	47.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	38%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

NOTES:
REMOVE THE EXISTING ELECTRICAL PANEL AND CAREFULLY DISCONNECT ALL ASSOCIATED WIRING. INSTALL A NEW 120/240V, 1-PHASE, 200A NEMA 1 DISTRIBUTION PANEL IN THE SAME LOCATION. REPLACE EXISTING BREAKERS WITH NEW BREAKERS MATCHING THE SPECIFICATIONS, RATINGS, AND CONFIGURATIONS OF THE ORIGINAL BREAKERS TO PROTECT ALL EXISTING CIRCUITS. RECONNECT ALL EXISTING WIRING TO THE NEW PANEL IN ACCORDANCE WITH THE ORIGINAL CONFIGURATION, ENSURING COMPLIANCE WITH NEC AND LOCAL ELECTRICAL CODES. TEST THE PANEL AND BREAKERS FOR PROPER OPERATION, AND PROVIDE AS-BUILT DOCUMENTATION, INCLUDING AN UPDATED PANEL SCHEDULE.

I PANEL LCC PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 4

LOCATION: SOUTH 6TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHT	L	30	1					1	30	L	STREET LIGHT	2
3	PHOTO CELL	R	20	1					1	30	L	STREET LIGHT	4
5	OUTLET BELOW	R	20	1					1	20	L	LIGHT IN THIS CABINET	6
7	EXISTING	L	20	1					1	20	R	IRRIGATION TIME CLOCK	8
9	**LIGHTING SOUTH 6TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 7TH**	10
11	**LIGHTING CENTER (EAST)**	L	20	1			1,625	1,135	1	20	L	**LIGHTING CENTER**	12
13	**LIGHTING CENTER**	L	20	1	1,825	1,260			1	20	R	**RECEPTACLES W 6TH**	14
15	**RECEPTACLES E 6TH**	R	20	1			1,260	1,260	1	20	R	**RECEPTACLES E 7TH**	16
17	**RECEPTACLES E 7TH**	R	20	1	720							SPACE	18
19	SPACE											SPACE	20
					TOTAL LOAD:		6,010 VA		TOTAL LOAD:			5,280 VA	
					TOTAL AMPS:		50.1 A		TOTAL AMPS:			44 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	11290
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	12987.5
RECEPTACLE (R)	4500.0	100.00%	4500.0	TOTAL CONN. (A):	47
LIGHTING (L)	6790.0	125.00%	8487.5	TOTAL EST. DEMAND (A):	54.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	27%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

J PANEL LC4 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 3

LOCATION: SOUTH 4TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	2
3	STREET LIGHTS	L	20	1					1	30	L	STREET LIGTHS	4
5	OUTLET BELOW	R	20	1					1	20	L	STREET LIGTHS	6
7	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	8
9	STREET LIGHTS	L	30	1					1	20	R	SPRINKLER/FOUNTAIN TIME CLOCK	10
11	FOUNTAIN	M	20	1			1,600	1,180	1	20	L	**LIGHTING SOUTH 3RD**	12
13	**LIGHTING SOUTH 4TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 5TH**	14
15	**LIGHTING CENTER**	L	20	1			1,335	1,080	1	20	R	**RECEPTACLES S CENTER**	16
17	**RECEPTACLES S CENTER**	R	20	1	1,260	900			1	20	R	**RECEPTACLES S CENTER**	18
19	SPACE											SPACE	20
					TOTAL LOAD:		4,365 VA					5,195 VA	
					TOTAL AMPS:		36.4 A					43.3 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	1600.0	125.00%	2000.0	TOTAL CONN. LOAD (VA):	9560
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11140
RECEPTACLE (R)	3240.0	100.00%	3240.0	TOTAL CONN. (A):	39.8
LIGHTING (L)	4720.0	125.00%	5900.0	TOTAL EST. DEMAND (A):	46.4
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	23%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

K PANEL LC3 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING) : LC B

LOCATION: NORTH 3RD ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	POWER PEDISTAL	R	100	2					1	30	L	N. 3RD STREET LIGHTS	2
3									1	30	L	LIGHTS	4
5	LIGHTS	L	30	1					1	30		EXISTING	6
7	LIBRARY PARKING LIGHTS	L	30	1					1	20		EXISTING	8
9	EXISTING		20	1					1	20		EXISTING	10
11	EXISTING		20	1					2	30		EXISTING	12
13			100	2									14
15	EXISTING							980	1	20	L	**LIGHTING CENTER ST**	16
17	**LIGHTING N 3RD**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 4TH**	18
19	**LIGHTING CENTER ST**	L	20	1			890	540	1	20	R	**RECEPTACLES W 3RD**	20
21	**RECEPTACLES E 3RD**	R	20	1	1,080	1,440			1	20	R	**RECEPTACLES E 3RD**	22
23	**POWER PEDISTAL**	R	100	2				204	1	20	L	**LIBRARY PARKING LIGHTS**	24
25												SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		4,970 VA		TOTAL LOAD:			2,614 VA	
					TOTAL AMPS:		41.4 A		TOTAL AMPS:			21.8 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	7584
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	8715
RECEPTACLE (R)	3060.0	100.00%	3060.0	TOTAL CONN. (A):	31.6
LIGHTING (L)	4524.0	125.00%	5655.0	TOTAL EST. DEMAND (A):	36.3
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	18%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

L PANEL LCB PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 2/A

LOCATION: SOUTH 2ND & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

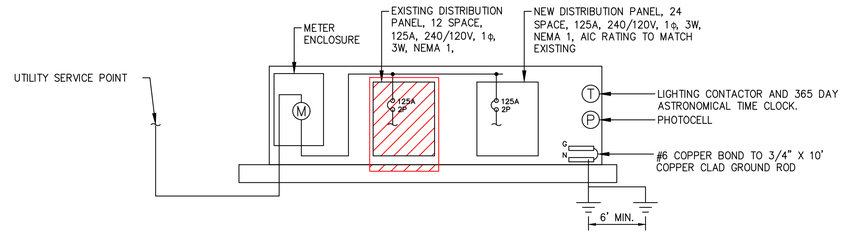
AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1		R	100	2					2	80	R		2
3	MAIN											PEDS. NORTH 2ND WEST SIDE	4
5	PED SOUTH 2ND	L	20	1					2	100	R		6
7	EAST WEST SIDE	L	20	1								PEDS NORTH 2ND CENTERE ST	8
9	PED SOUTH 2ND	L	20	1					1	20	L	STREET LIGHTS SOUTH WEST	10
11	EAST WEST	L	20	1					1	20	R	PHOTCELL BYPASS SWITCH	12
13	**LIGHTING SOUTH 2ND**	L	20	1	1,225	935			1	20	L	**LIGHTING SOUTH CENTRE**	14
15	**LIGHTING PARK**	L	20	1			729	1,129	1	20	L	**LIGHTING SOUTH 3RD**	16
17	**LIGHTING CENTRE**	L	20	1	1,129	1,225			1	20	L	**LIGHTING NORTH 2ND**	18
19	**LIGHTING NORTH CENTRE**	L	20	1			1,335	1,800	1	20	R	**RECEPTACLES S CENTER**	20
21	**RECEPTACLES N CENTER**	R	20	1	1,080	720			1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	22
23	**RECEPTACLES N CENTER (EAST OF 2ND)**	R	20	1			900	1,080	1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	24
25	**RECEPTACLES N CENTER**	R	20	1	900							SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		7,214 VA					6,973 VA	
					TOTAL AMPS:		60.1 A					58.1 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	14187
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	16113.75
RECEPTACLE (R)	6480.0	100.00%	6480.0	TOTAL CONN. (A):	59.1
LIGHTING (L)	7707.0	125.00%	9633.8	TOTAL EST. DEMAND (A):	67.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	67%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

M PANEL LC2/A PANEL SCHEDULE

SCALE: N.T.S.



N METER PEDESTAL SINGLE LINE DIAGRAM (PANEL LCC)

SCALE: N.T.S.

Panel Name	Existing Load (kW)	Removed Load (kW)	New Load (kW)	Total Load (kW)	Panel Capacity (kW)	Percent Loaded
Panel LCC	3.39	2.37	11.3	12.32	30	41%
Panel LC4	2.46	1.72	15.9	16.64	48	35%
Panel LC3	58.66	41.06	11.14	28.74	48	60%
Panel LCB	3.84	2.69	8.7	9.85	48	21%
Panel LC2A	1.67	1.17	16.11	16.61	48	35%

EXISTING LOADS WERE DETERMINED BASED ON THE PEAK ENERGY CONSUMPTION RECORDED DURING THE HIGHEST-USE MONTH IN THE BILLING HISTORY

O PANEL LOAD SUMMARY (ALL PANELS)

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.03

cyclone

Campana SN21P1
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

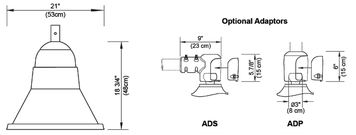
Ordering Code

Model	Lens	Distribution	Performance Package	CCT	Volts	Surge Protector
SN21P1	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 * Backward optic	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ACS	DIM 0-10 volts wire for external controls PND506 Program 50% for 6 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD* Field adjustable 10% increment step-dimming switch * Contact factory for wireless controls and more information regarding SD option.	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 0.78 ft² **Weight:** 23.6 lbs / 10.7 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 **www.cyclonelighting.com**
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2023 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2023/07

Q TYPE T2 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

cyclone

Campana CN55P1A
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

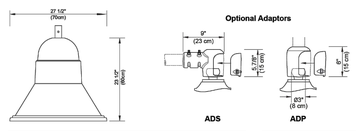
Ordering Code

Model	Lens	Distribution	Performance package	CCT	Volts	Surge protector
CN55P1A	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 TCW Crosswalk * Backward optic T3M81A	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm) P80 (17500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
– Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	– PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ADS	– DIM 0-10 volts wire for external controls PND506 Program 50% for 8 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD Field adjustable 10% increment step-dimming switch	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 1.25 ft² **Weight:** 55.3 lbs / 25.1 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 www.cyclonelighting.com
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2024 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2024/06

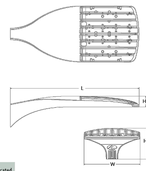
R TYPE T1 & T3 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

D-Series Size 1
LED Area Luminaire

dsx series

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Catalog Number
Notes
Type

Fill the Tab key or mouse over the page to see all interactive elements.

Introduction
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.
The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Design Select options indicated by this color background.

design select
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information
EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P6 P2 P7 P3 P8 P4 P9 P5 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare[2] T4M Type IV medium T4LG Type IV low glare[2] TFTM Forward throw medium T5M Type V medium T5G Type V low glare T5W Type V wide BLC3 Type III backlight control[3] BLC4 Type IV backlight control[3] LCCO Left corner cutoff[3] RCCO Right corner cutoff[3]	MVOLT (120V-277V)[4] HVOLT (347V-480V)[5,6] VHVOLT (277V-480V)[5,6] 120[4,36] 208[4,36] 240[4,36] 277[4,36] 347[4,36] 480[4,36]	**Shipped included** SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling[4] RPA5 Round pole mounting #5 drilling[4] SPA8N Square narrow pole mounting (#8 drilling) WBA Wall bracket[4] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options		Other options		Finish (required)	
Shipped installed		**Shipped installed**		DDBXD Dark Bronze	
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[7,11,35,37]	PER7 Seven-pin receptacle only (controls ordered separately)[8,37]	SPD20KV 20KV surge protection		DBLBD Black	
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[35,37]	FAO Field adjustable output[14,37]	HS Houseside shield (black finish standard)[37]		DNAXD Natural Aluminum	
PER NEMA twist-lock receptacle only (controls ordered separately)[8]	BL30 Bi-level switched dimming, 30%[9,37]	L90 Left rotated optics[1]		DWHXD White	
PERS Five-pin receptacle only (controls ordered separately)[8,37]	BL50 Bi-level switched dimming, 50%[9,37]	R90 Right rotated optics[1]		DDBTXD Textured dark bronze	
	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[37]	CCE Coastal Construction[35]		DBLBXD Textured black	
	DS Dual switching[10,11,37]	HA 50°C ambient operation[36]		DNATXD Textured natural aluminum	
		BAA Buy America(n) Act and/or Build America Buy America Qualified		DWHGXD Textured white	
		SF Single fuse (120, 277, 347V)[4]			
		DF Double fuse (208, 240, 480V)[4]			
		Shipped separately			
		EGSR External Glare Shield (reversible, field install required, matches housing finish)			
		BSDB Bird Spikes (field install required)			

LITHONIA LIGHTING
COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2011-2024 Acuity Brands Lighting, Inc. All rights reserved.

S TYPE T4 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

REVISIONS | DATE | BY | No.

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.05 January 08, 2025 10:46:53am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.06 January 08, 2025 10:47:05am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Panel LCC - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	15	120	1	0.11%	2
3	STA7014+73.40	2	13,336	NM	Copper	1	Set of	6	6.1	212	120	1	1.06%	3
4	STA7016+58.49	3	1,247	NM	Copper	1	Set of	6	4.066667	203	120	1	1.67%	4
5	STA7018+09.25	4	667	NM	Copper	1	Set of	6	2.033333	171	120	1	1.92%	5

Panel LCC - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.16667	340	120	1	1.67%	2
3	STA6015+06.01	2	1,308	NM	Copper	1	Set of	4	6.1	170	120	1	2.17%	3
4	STA6016+70.34	3	881	NM	Copper	1	Set of	6	4.066667	190	120	1	2.74%	4
5	STA6018+26.76	4	560	NM	Copper	1	Set of	6	2.033333	175	120	1	3.00%	5

Panel LCC - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA113+97.05	1	42,472	NM	Copper	1	Set of	4	8.316667	335	120	1	1.35%	2
3	STA113+38.13	2	1,327	NM	Copper	1	Set of	4	6.283333	108	120	1	1.67%	3
4	STA112+78.87	3	1,011	NM	Copper	1	Set of	6	4.25	185	120	1	2.25%	4
5	STA111+98.46	4	616	NM	Copper	1	Set of	6	2.216667	113	120	1	2.43%	5
6	STA5017+32.87	5	497	NM	Copper	1	Set of	6	2.033333	382	120	1	3.00%	6

Panel LCC - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	12.38333	53	120	1	0.48%	2
3	STA117+15.14	2	4,871	NM	Copper	1	Set of	6	6.283333	64	120	1	0.78%	3
4	STA117+98.92	3	2,354	NM	Copper	1	Set of	8	4.25	212	120	1	1.81%	4
5	STA118+30.81	4	642	NM	Copper	1	Set of	8	4.066667	160	120	1	2.56%	5
6	STA119+33.81	5	414	NM	Copper	1	Set of	8	2.033333	156	120	1	2.93%	6

Panel LCC - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 5	1	42,472	NM	Copper	1	Set of	8	10.5	179	120	1	2.16%	2
3	LCC RECEPTACLE 1	2	1,019	NM	Copper	1	Set of	10	3	119	120	1	2.82%	3
4	LCC RECEPTACLE 2	3	502	NM	Copper	1	Set of	10	1.5	29	120	1	2.90%	4

Panel LCC - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	10	9	52	120	1	0.86%	2
3	LCC PULL BOX 6	2	2,149	NM	Copper	1	Set of	10	4.5	104	120	1	1.72%	3
4	LCC RECEPTACLE 3	3	741	NM	Copper	1	Set of	10	3	25	120	1	1.85%	4
5	LCC RECEPTACLE 4	4	641	NM	Copper	1	Set of	10	1.5	49	120	1	1.99%	5

Panel LCC - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	234	120	1	1.54%	2
3	LCC RECEPTACLE 5	2	1,211	NM	Copper	1	Set of	10	4.5	116	120	1	2.50%	3
4	LCC RECEPTACLE 6	3	552	NM	Copper	1	Set of	10	3	39	120	1	2.72%	4
5	LCC RECEPTACLE 7	4	467	NM	Copper	1	Set of	10	1.5	32	120	1	2.80%	5

Panel LCC - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 8	1	42,472	NM	Copper	1	Set of	4	10.5	398	120	1	2.02%	2
3	LCC PULL BOX 9	2	1,123	NM	Copper	1	Set of	6	6	135	120	1	2.61%	3
4	LCC PULL BOX 10	3	739	NM	Copper	1	Set of	6	3	66	120	1	2.76%	4
5	LCC RECEPTACLE 8	4	633	NM	Copper	1	Set of	10	1.5	49	120	1	2.89%	5

T PANEL LCC VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LCB - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	8.133333	212	120	1	1.26%	2
3	LCB PULL BOX 2	2	1,332	NM	Copper	1	Set of	6	4.066667	99	120	1	1.56%	3
4	STA104+88.04	3	917	NM	Copper	1	Set of	6	2.033333	55	120	1	1.64%	4

Panel LCB - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.16667	19	120	1	0.14%	2
3	STA3015+16.35	2	11,274	NM	Copper	1	Set of	6	6.1	126	120	1	0.71%	3
4	STA3015+93.43	3	1,920	NM	Copper	1	Set of	6	4.066667	279	120	1	1.54%	4
5	STA3017+56.28	4	677	NM	Copper	1	Set of	6	2.033333	176	120	1	1.80%	5

Panel LCB - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	2	10.16667	454	120	1	1.46%	2
3	STA4016+04.97	8	835	NM	Copper	1	Set of	6	4.066667	88	120	1	2.20%	3
4	STA4017+66.55	3	667	NM	Copper	1	Set of	6	2.033333	177	120	1	2.47%	4
5	STA4015+16.88	2	1,540	NM	Copper	1	Set of	6	6.1	100	120	1	1.91%	5
6	STA4016+78.17	5	1,008	NM	Copper	1	Set of	6	4.066667	161	120	1	2.39%	6
7	STA4018+41.62	6	647	NM	Copper	1	Set of	6	2.033333	164	120	1	2.63%	7
8	P8 4TH STREET	2	1,540	NM	Copper	1	Set of	6	4.066667	160	120	1	1.94%	8

Panel LCB - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	4.433333	357	120	1	1.16%	2
3	LCB PULL BOX 4	2	801	NM	Copper	1	Set of	6	4.25	121	120	1	1.54%	3
4	LCB PULL BOX 6	3	601	NM	Copper	1	Set of	6	2.216667	40	120	1	1.60%	4
5	LCB PULL BOX 7	4	556	NM	Copper	1	Set of	6	0.183333	83	120	1	1.61%	5

Panel LCB - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE 1	1	42,472	NM	Copper	1	Set of	6	4.5	335	120	1	1.11%	2
3	LCB RECEPTACLE 2	2	853	NM	Copper	1	Set of	10	3	25	120	1	1.24%	3
4	LCB RECEPTACLE 3	3	722	NM	Copper	1	Set of	10	1.5	30	120	1	1.33%	4

Panel LCB - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 8	1	42,472	NM	Copper	1	Set of	6	9	270	120	1	1.78%	2
3	LCB PULL BOX 5	2	1,053	NM	Copper	1	Set of	6	1.5	115	120	1	1.91%	3

Panel LCB - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	4	12	445	120	1	2.58%	2
3	LCB PULL BOX 6	2	1,007	NM	Copper	1	Set of	4	7.5	34	120	1	2.70%	3
4	LCB RECEPTACLE 4	3	937	NM	Copper	1	Set of	6	3	91	120	1	2.90%	4
5	LCB RECEPTACLE 5	4	725	NM	Copper	1	Set of	10	1.5	20	120	1	2.96%	5
6	R1	3	937	NM	Copper	1	Set of	10	4.5	20	120	1	2.87%	6
7	R2	6	808	NM	Copper	1	Set of	10	3	16	120	1	2.96%	7
8	R3	7	728	NM	Copper	1	Set of	10	1.5	16	120	1	3.00%	8

Panel LCB - Circuit 23&25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE BOLLARD 1	1	42,472	NM	Copper	1	Set of	1	30	261	240	1	1.04%	2

Panel LCB - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 9	1	42,472	NM	Copper	1	Set of	6	1.7	102	120	1	0.13%	2
3	LCB LIGHT 1	2	2,679	NM	Copper	1	Set of	8	0.85	137	120	1	0.26%	3

U PANEL LCB VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC4- Circuit 9

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	8	10.16667	17	120	1	0.20%	2
3	STA6011+93.15	2	8,736	NM	Copper	1	Set of	8	6.1	105	120	1	0.94%	3
4	STA6010+44.34	3	1,479	NM	Copper	1	Set of	8	4.066667	170	120	1	1.73%	4
5	STA6009+63.82	4	631	NM	Copper	1	Set of	8	2.033333	101	120	1	1.97%	5

Panel LC4 - Circuit 10

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 1	1	42,472	NM	Copper	1	Set of	4	8.133333	377	120	1	1.48%	2
3	STA7012+89.95	2	1,184	NM	Copper	1	Set of	8	4.066667	204	120	1	2.44%	3
4	STA7010+75.45	3	517	NM	Copper	1	Set of	8	2.033333	227	120	1	2.97%	4

Panel LC4- Circuit 11

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.5	477	120	1	1.96%	2
3	LC4 PULL BOX 3	2	941	NM	Copper	1	Set of	4	6.283333	124	120	1	2.34%	3
4	STA118+61.55	3	750	NM	Copper	1	Set of	6	4.066667	120	120	1	2.69%	4
5	STA119+33.55	4	573	NM	Copper	1	Set of	6	2.033333	117	120	1	2.87%	5

Panel LC4 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	8	6.466667	220	120	1	1.64%	2
3	LC4 PULL BOX 5	2	833	NM	Copper	1	Set of	8	4.25	85	120	1	2.05%	3
4	STA116+16.09	3	604	NM	Copper	1	Set of	8	2.033333	124	120	1	2.34%	4

Panel LC4 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	6	10.71667	106	120	1	0.83%	2
3	LC4 PULL BOX 7	2	2,584	NM	Copper	1	Set of	6	8.5	140	120	1	1.71%	3
4	LC4 PULL BOX 8	3	1,153	NM	Copper	1	Set of	6	6.283333	86	120	1	2.10%	4
5	STA5013+17.45	4	861	NM	Copper	1	Set of	8	4.066667	84	120	1	2.49%	5
6	STA5011+58.93	5	621	NM	Copper	1	Set of	8	2.033333	175	120	1	2.90%	6

Panel LC4 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	8	10.5	108	120	1	1.30%	2
3	LC4 RECEPTACLE 1	2	1,663	NM	Copper	1	Set of	8	4.5	149	120	1	2.08%	3
4	LC4 PULL BOX 8	3	715	NM	Copper	1	Set of	10	3	95	120	1	2.60%	4

Panel LC4 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	10.5	214	120	1	1.65%	2
3	LC4 PULL BOX 5	2	1,320	NM	Copper	1	Set of	10	6	84	120	1	2.57%	3
4	LC4 RECEPTACLE 9	3	680	NM	Copper	1	Set of	10	1.5	121	120	1	2.90%	4

Panel LC4 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.5	480	120	1	2.44%	2
3	LC4 RECEPTACLE 6	2	935	NM	Copper	1	Set of	10	4.5	16	120	1	2.57%	3
4	LC4 RECEPTACLE 7	3	830	NM	Copper	1	Set of	10	3	47	120	1	2.83%	4
5	LC4 RECEPTACLE 8	4	623	NM	Copper	1	Set of	10	1.5	27	120	1	2.90%	5

Panel LC4 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 3	1	42,472	NM	Copper	1	Set of	4	6	618	120	1	1.79%	2
3	LC4 RECEPTACLE 3	2	730	NM	Copper	1	Set of	10	4.5	100	120	1	2.62%	3
4	LC4 RECEPTACLE 4	3	451	NM	Copper	1	Set of	10	3	34	120	1	2.80%	4
5	LC4 RECEPTACLE 5	4	399	NM	Copper	1	Set of	10	1.5	30	120	1	2.89%	5

Panel LC4 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	4	9	440	120	1	1.91%	2
3	LC4 RECEPTACLE 10	2	1,018	NM	Copper	1	Set of	10	6	20	120	1	2.13%	3
4	LC4 RECEPTACLE 11	3	868	NM	Copper	1	Set of	10	4.5	30	120	1	2.38%	4
5	LC4 RECEPTACLE 12	4	711	NM	Copper	1	Set of	10	3	31	120	1	2.55%	5
6	LC4 RECEPTACLE 13	5	599	NM	Copper	1	Set of	10	1.5	34	120	1	2.65%	6

Panel LC4 - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	2	12.2	440	120	1	1.70%	2
3	STA5015+33.99	2	1,587	NM	Copper	1	Set of	6	6.1	146	120	1	2.35%	3
4	STA5016+34.22	3	884	NM	Copper	1	Set of	6	4.066667	119	120	1	2.71%	4
5	STA5018+11.81	4	650	NM	Copper	1	Set of	6	2.033333	195	120	1	3.00%	5

Y PANEL LC4 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.06

Panel LC2A - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	12	120	1	0.09%	2
3	STA2012+27.34	2	15,457	NM	Copper	1	Set of	6	4.066667	270	120	1	0.88%	3
4	STA2010+41.29	3	1,009	NM	Copper	1	Set of	6	2.033333	197	120	1	1.19%	4

Panel LC2A - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.283333	89	120	1	0.41%	2
3	LC2A PULL BOX 3	2	3,042	NM	Copper	1	Set of	6	4.25	119	120	1	0.78%	3
4	LC2A PULL BOX 4	3	1,357	NM	Copper	1	Set of	6	4.066667	113	120	1	1.12%	4
5	STA100+16.77	4	889	NM	Copper	1	Set of	6	2.033333	52	120	1	1.20%	5

Panel LC2A - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	6.1	334	120	1	1.49%	2
3	LC2A PULL BOX 6	2	855	NM	Copper	1	Set of	6	4.066667	28	120	1	1.58%	3
4	STA100+93.57	3	791	NM	Copper	1	Set of	6	2.033333	28	120	1	1.62%	4

Panel LC2A - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	6.466667	323	120	1	1.53%	2
3	LC2A PULL BOX 8	2	884	NM	Copper	1	Set of	6	6.283333	80	120	1	1.90%	3
4	STA3012+76.00	3	711	NM	Copper	1	Set of	6	4.066667	105	120	1	2.21%	4
5	STA3010+73.28	4	566	NM	Copper	1	Set of	6	2.033333	218	120	1	2.54%	5

Panel LC2A - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.466667	86	120	1	0.41%	2
3	LC2A PULL BOX 9	2	3,140	NM	Copper	1	Set of	6	2.216667	155	120	1	0.66%	3
4	STA104+02.47	3	1,176	NM	Copper	1	Set of	6	0.183333	126	120	1	0.68%	4

Panel LC2A - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 10	1	42,472	NM	Copper	1	Set of	6	10.16667	167	120	1	1.25%	2
3	STA2014+97.22	2	1,677	NM	Copper	1	Set of	6	6.1	120	120	1	1.78%	3
4	STA2016+65.95	3	892	NM	Copper	1	Set of	6	4.066667	182	120	1	2.32%	4
5	STA2018+18.33	4	613	NM	Copper	1	Set of	6	2.033333	166	120	1	2.57%	5

Panel LC2A - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	6.65	133	120	1	0.65%	2
3	LC2A PULL BOX 12	2	2,085	NM	Copper	1	Set of	6	4.433333	128	120	1	1.06%	3
4	LC2A PULL BOX 13	3	1,089	NM	Copper	1	Set of	6	2.4	70	120	1	1.19%	4
5	LC2A PULL BOX 14	4	863	NM	Copper	1	Set of	6	2.216667	88	120	1	1.33%	5
6	STA100+29.48	5	685	NM	Copper	1	Set of	6	2.033333	25	120	1	1.37%	6

Panel LC2A - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	15	87	120	1	0.96%	2
3	LC2A PULL BOX 3	2	3,107	NM	Copper	1	Set of	6	9	116	120	1	1.72%	3
4	LC2A PULL BOX 4	3	1,389	NM	Copper	1	Set of	6	7.5	113	120	1	2.34%	4
5	LC2A RECEPTACLE 1	4	903	NM	Copper	1	Set of	10	3	15	120	1	2.43%	5
6	LC2A RECEPTACLE 2	5	810	NM	Copper	1	Set of	10	1.5	25	120	1	2.50%	6

Panel LC2A - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 13	1	42,472	NM	Copper	1	Set of	6	9	321	120	1	2.12%	2
3	LC2A RECEPTACLE 3	2	889	NM	Copper	1	Set of	10	3	95	120	1	2.64%	3
4	LC2A RECEPTACLE 4	3	518	NM	Copper	1	Set of	10	1.5	14	120	1	2.68%	4

Panel LC2A - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 15	1	42,472	NM	Copper	1	Set of	6	7.5	145	120	1	0.80%	2
3	LC2A PULL BOX 16	2	1,920	NM	Copper	1	Set of	6	4.5	118	120	1	1.19%	3
4	LC2A RECEPTACLE 5	3	1,081	NM	Copper	1	Set of	10	3	16	120	1	1.27%	4
5	LC2A RECEPTACLE 6	4	942	NM	Copper	1	Set of	10	1.5	36	120	1	1.37%	5

Panel LC2A - Circuit 23

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 17	1	42,472	NM	Copper	1	Set of	6	7.5	195	120	1	1.07%	2
3	LC2A PULL BOX 9	2	1,445	NM	Copper	1	Set of	10	6	49	120	1	1.61%	3
4	LC2A RECEPTACLE 7	3	902	NM	Copper	1	Set of	10	1.5	128	120	1	1.96%	4

Panel LC2A - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	318	120	1	2.10%	2
3	LC2A RECEPTACLE 8	2	898	NM	Copper	1	Set of	10	4.5	84	120	1	2.79%	3
4	LC2A RECEPTACLE 9	3	547	NM	Copper	1	Set of	10	3	24	120	1	2.92%	4
5	LC2A RECEPTACLE 10	4	492	NM	Copper	1	Set of	10	1.5	29	120	1	3.00%	5

Panel LC2A - Circuit 25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	7.5	133	120	1	0.73%	2
3	LC2A RECEPTACLE 11	2	2,085	NM	Copper	1	Set of	10	6	16	120	1	0.91%	3
4	LC2A RECEPTACLE 12	3	1,625	NM	Copper	1	Set of	10	4.5	22	120	1	1.09%	4
5	LC2A RECEPTACLE 13	4	1,246	NM	Copper	1	Set of	10	3	30	120	1	1.25%	5
6	LC2A RECEPTACLE 14	5	946	NM	Copper	1	Set of	10	1.5	34	120	1	1.33%	6

W PANEL LC1A VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC3 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.316667	297	120	1	1.19%	2
3	STA106+02.04	2	1,491	NM	Copper	1	Set of	6	6.1	114	120	1	1.70%	3
4	STA3011+79.48	3	942	NM	Copper	1	Set of	6	4.066667	204	120	1	2.31%	4
5	STA3009+82.00	4	568	NM	Copper	1	Set of	6	2.033333	217	120	1	2.64%	5

Panel LC3 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	10	120	1	0.07%	2
3	STA4013+13.27	2	17,290	NM	Copper	1	Set of	6	6.1	97	120	1	0.51%	3
4	STA4011+46.64	3	2,561	NM	Copper	1	Set of	6	4.066667	368	120	1	1.61%	4
5	STA4009+72.12	4	605	NM	Copper	1	Set of	6	2.033333	198	120	1	1.90%	5

Panel LC3 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA110+79.14	1	42,472	NM	Copper	1	Set of	4	8.133333	502	120	1	1.97%	2
3	STA5012+39.86	2	895	NM	Copper	1	Set of	4	6.1	190	120	1	2.53%	3
4	STA5010+81.80	3	653	NM	Copper	1	Set of	4	4.066667	170	120	1	2.87%	4
5	STA5009+72.63	4	526	NM	Copper	1	Set of	4	2.033333	130	120	1	3.00%	5

Panel LC3 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	6.65	145	120	1	0.71%	2
3	LC3 PULL BOX 4	2	1,920	NM	Copper	1	Set of	6	4.433333	85	120	1	0.98%	3
4	STA110+22.24	3	1,231	NM	Copper	1	Set of	6	0.366667	152	120	1	1.02%	4
5	STA110+74.43	4	750	NM	Copper	1	Set of	6	0.183333	142	120	1	1.04%	5

Panel LC3 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	9	289	120	1	1.91%	2
3	LC3 RECEPTACLE 1 ob	2	986	NM	Copper	1	Set of	6	1.5	109	120	1	2.03%	3
4	LC3 RECEPTACLE 1	3	720	NM	Copper	1	Set of	10	1.5	15	15	1	2.36%	4

Panel LC3 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.5	141	120	1	1.09%	2
3	LC3 PULL BOX 4	2	1,972	NM	Copper	1	Set of	6	6	84	120	1	1.46%	3
4	LC3 RECEPTACLE 2	3	1,258	NM	Copper	1	Set of	10	4.5	117	120	1	2.42%	4
5	LC3 RECEPTACLE 3	4	559	NM	Copper	1	Set of	10	3	26	120	1	2.56%	5
6	LC3 RECEPTACLE 4	5	498	NM	Copper	1	Set of	10	1.5	37	120	1	2.67%	6

Panel LC3 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 5	1	42,472	NM	Copper	1	Set of	4	9	304	120	1	1.32%	2
3	LC3 RECEPTACLE 5	2	1,458	NM	Copper	1	Set of	6	6	165	120	1	2.05%	3
4	LC3 RECEPTACLE 6	3	799	NM	Copper	1	Set of	10	4.5	28	120	1	2.28%	4
5	LC3 RECEPTACLE 7	4	671	NM	Copper	1	Set of	10	1.5	19	120	1	2.33%	5

X PANEL LC3 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

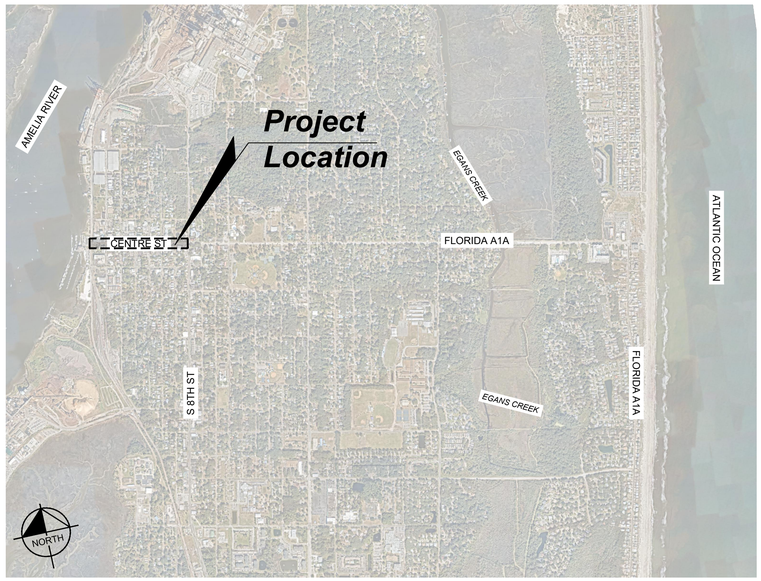
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.07 January 08, 2025 10:47:13am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

STREETSCAPE PLANS
HARDSCAPE, PLANTING, IRRIGATION
FOR
CITY OF FERNANDINA BEACH - FLORIDA
PHASE I - CENTRE STREET

JANUARY 8TH, 2025



VICINITY MAP
NOT TO SCALE

LANDSCAPE ARCHITECT:
MATTHEW A. JURNEY, PLA
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 420-4779

CIVIL ENGINEER:
BRIAN DEITSCH, PE.
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 828-3936

TOPOGRAPHIC SURVEYOR:
MICHAEL A. MANZIE, PLS.
117 SOUTH NINTH STREET
FERNANDINA BEACH, FLORIDA 32034
PHONE (904) 491-5700

ELECTRICAL ENGINEER:
PETER SYNTAX, PE
KIMLEY-HORN AND ASSOCIATES, INC.
1661 E CAMELBACK RD #400
PHEONIX, ARIZONA
PHONE: (602) 291-9521

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

COVER SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.00 January 08, 2025 10:23:39am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C0.00_COVER SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY INDEX TABLE	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY

BRIAN S. DEITSCH LICENSE No. 77073 STATE OF FLORIDA PROFESSIONAL ENGINEER

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
BRIAN S. DEITSCH No. 77073

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BRIAN S. DEITSCH, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

INDEX OF SHEETS	
Sheet Number	Sheet Title
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN

REGISTERED LANDSCAPE ARCHITECT MATTHEW A. JURNEY LA6666993 STATE OF FLORIDA

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
MATTHEW A. JURNEY, PLA No. LA6666993

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MATTHEW A. JURNEY, PLA ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 6110.11.010 F.A.C..

INDEX OF SHEETS	
Sheet Number	Sheet Title
C0.00	COVER SHEET
C0.01	SIGNATURE SHEET
C0.02	GENERAL NOTES
C0.03	STORM WATER POLLUTION PREVENTION DETAILS
C0.04	KEY MAP
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C2.50	TREE DISPOSITION NOTES AND DETAILS
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
H1.01	HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
H1.08	HARDSCAPE PLAN SCHEDULES
H1.50	HARDSCAPE DETAILS
H1.51	HARDSCAPE DETAILS
H1.52	HARDSCAPE DETAILS
H1.53	HARDSCAPE DETAILS
H1.54	HARDSCAPE DETAILS

L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L1.08	PLANTING SCHEDULE
L1.50	PLANTING NOTES
L1.51	PLANTING DETAILS
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN
L2.08	IRRIGATION SCHEDULES
L2.50	IRRIGATION NOTES
L2.51	IRRIGATION DETAILS
L2.52	IRRIGATION DETAILS

PETER M. SYNTAX LICENSE No. 74259 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/28/2025

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
PETER SYNTAX No. 74259

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PETER SYNTAX ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

LIGHTING PLANS	
Sheet Number	Sheet Title
E1.00	GENERAL NOTES
E1.01	LIGHTING PLAN
E1.02	LIGHTING PLAN
E1.03	LIGHTING PLAN
E1.04	LIGHTING PLAN
E1.05	LIGHTING PLAN
E1.06	LIGHTING PLAN
E1.07	LIGHTING PLAN
E2.01	LIGHTING PLAN
E2.02	LIGHTING PLAN
E2.03	LIGHTING PLAN
E2.04	LIGHTING PLAN
E2.05	LIGHTING PLAN
E2.06	LIGHTING PLAN
E2.07	LIGHTING PLAN
E2.08	LIGHTING PLAN
E2.09	LIGHTING PLAN
E2.10	LIGHTING PLAN
E2.11	LIGHTING PLAN
E2.12	LIGHTING PLAN
E3.01	LIGHTING DETAILS
E3.02	LIGHTING DETAILS
E3.03	LIGHTING PANEL SCHEDULES
E3.04	LIGHTING DETAILS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

SIGNATURE SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.01

Plotted By:Zlegmont Charles Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.01 January 08, 2025 11:26:51am K:\JAX_LALP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CADD\Plan Sheets\C0.01 SIGNATURE SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL SURVEY
SHEET NUMBER: S0.00

MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY

PORTIONS OF CENTRE STREET (AKA ATLANTIC AVENUE), ASH STREET, BEECH STREET, ALACHUA STREET, SOUTH & NORTH 2ND, 3RD, 4TH, 5TH & 6TH STREETS

A PORTION OF SECTIONS 22 & 23, TOWNSHIP 3 NORTH, RANGE 28 EAST, NASSAU COUNTY, FLORIDA.

(THIS IS NOT A BOUNDARY SURVEY)

SITE BENCHMARK #1
NAIL & DISK "MANZIE LB 7039" SET IN WOOD POWER POLE
ELEVATION = 8.90' N.A.V.D. 1988
FIELD BOOK X-S51, PAGE 6

REFERENCE BENCHMARK
BRASS DISK ON CITY HALL BUILDING
STAMPED "USGS 872 0030 TIDAL 36"
ELEVATION = 12.36' N.A.V.D. 1988

SITE BENCHMARK #2
SOUTH THIRD ST. FLANGE BOLT OF FIRE HYDRANT
ELEVATION = 10.95' N.A.V.D. 1988
FIELD BOOK = X-S51, PAGE 8

SITE BENCHMARK #3
NAIL & DISK SET IN WOOD POWER POLE
ELEVATION = 11.99' N.A.V.D. 1988
FIELD BOOK = X-S51, PAGE 9

SITE BENCHMARK #4
NAIL & DISK "MANZIE LB 7039"
SET IN WOOD POWER POLE
ELEVATION = 16.17' N.A.V.D. 1988
FIELD BOOK = X-S51, PAGE 9

SITE BENCHMARK #5
SOUTHERN-MOST CORNER OF MARBLE DEDICATION INLAY AT THE BASE OF THE SINCLAIR MEMORIAL
ELEVATION = 20.45' N.A.V.D. 1988
FIELD BOOK = X-276, PAGES 12-14

GRAPHIC SCALE
0 50 100 200 400
1 INCH = 100 FEET

CITY OF FERNANDINA BEACH FLORIDA

TREE LEGEND
CAMP = CAMPHOR TREE
CDR = CEDAR TREE
CHY = BLACK CHERRY TREE
CIT = CITRUS TREE
GUM = GUM TREE
HB = HACKBERRY TREE
HKY = HICKORY TREE
HLY = HOLLY TREE
MAG = MAGNOLIA TREE
MIM = MIMOSA TREE
O = OAK TREE
ORN = ORNAMENTAL TREE
P = PINE TREE
PM = PALM TREE

TREE DISCLAIMER:
NUMBER OF TREES SHOWN ON SURVEY: 500

SPECIES OF TREES HAVE BEEN IDENTIFIED TO THE BEST OF OUR KNOWLEDGE AND BELIEF; HOWEVER MANZIE & DRAKE LAND SURVEYING WILL ASSUME NO LIABILITY, EXPRESSED OR IMPLIED, FOR THE CORRECTNESS OF SAID SPECIES IDENTIFICATION.

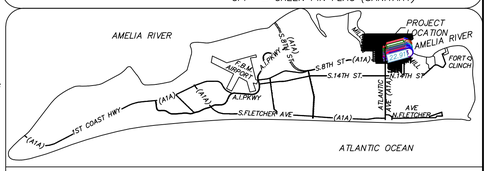
TREES HAVE BEEN LOCATED AS ACCURATELY AS POSSIBLE UNDER CURRENT CONDITIONS AND HAVE A POSITIONAL TOLERANCE OF APPROXIMATELY 2 TO 3 FEET. CRITICAL TREES SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

ADDITIONAL PROJECT ELEVATIONS
ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

LEGEND

—OHU—	= OVERHEAD UTILITY WIRES	CH	= CHORD
C	= COMMUNICATIONS PEDESTAL	x—x—x=	4' CHAIN LINK
CONC	= CONCRETE FLATWORK	o—o—o=	6' METAL RAIL FENCE
E	= ELECTRICITY METER	ERCP	= ELLIPTICAL REINFORCED CONCRETE PIPE
	= FIRE HYDRANT	CMP	= CORRUGATED METAL PIPE
G	= GAS MARKER POST	RCP	= REINFORCED CONCRETE PIPE
S	= SEWER MARKER POST	PVC	= POLYVINYL CHLORIDE
W	= WATER METER	HDPE	= HIGH-DENSITY POLYETHYLENE
	= WOOD FENCE	L	= LENGTH
	= WOOD POWER POLE	MB	= MAILBOX
	= GUY ANCHOR	NAVD	= NORTH AMERICAN VERTICAL DATUM
M	= MONITORING WELL	O.R.B.	= OFFICIAL RECORDS BOOK
WV	= WATER VALVE	P.C.	= POINT OF CURVATURE
GV	= GATE VALVE	R	= RADIUS
SV	= SEWER VALVE	R/W	= RIGHT-OF-WAY
ICV	= IRRIGATION CONTROL VALVE	P.I.N.	= PARCEL IDENTIFICATION NUMBER
	= SIGN	P.T.	= POINT OF TANGENCY
	= BENCHMARK	(M)	= MEASURED
℄	= CENTERLINE	BHW	= BRICK HEADWALL
Δ	= CENTRAL ANGLE	BPM	= BLUE PAINT MARK (WATER)
CB	= CHORD BEARING	YPM	= YELOW PAINT MARK (GAS)
CD	= CHORD DISTANCE	GPM	= GREEN PAINT MARK (SANITARY)
		GPF	= GREEN PIN FLAG (SANITARY)

SURVEY NOTES:
1) This is not a boundary survey.
2) Except where otherwise indicated, underground improvements were not located or shown.
4) Lands shown hereon were not abstracted by this office for easements, rights-of-way, ownership or other instruments of record.
5) Bearings & Coordinates shown hereon are based on The State Plane Coordinate System for The East Zone of The State of Florida, North American Datum of 1983/1990 (N.A.D. '83/'90).
7) Site Benchmarks are as shown hereon.
8) Elevations shown hereon refer to North American Vertical Datum of 1988. (N.A.V.D. '88)
9) The Reference Benchmark is published benchmark D-144. (Elevation = 13.90' N.A.V.D. 1988)



VICINITY MAP
SCALE = 1" = 10,560'
(1" = 2 MILES)

THE INFORMATION SHOWN HEREON MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

MICHAEL A. MANZIE, P.L.S. 4069

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491-5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 1 OF 14

"OUR ***SIGHTS*** ARE ON THE FUTURE, SET YOUR ***SITES*** ON US."

SCALE: 1"=100' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD
F.B. NO: X-385 PAGE NO: 1-10 CREW: SS FILE NO: C-1272

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITIES AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AND/OR CODES.

2. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE DESIGN PROFESSIONAL AT THE TIME OF THE TOPOGRAPHIC SURVEY. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR DESIGN PROFESSIONAL WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, LICENSES, AND BONDS AS REQUIRED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL OBTAIN COPIES OF AND FAMILIARIZE HIMSELF AND HIS SUBCONTRACTORS WITH THE PERMIT CONDITIONS OF ALL OWNER OBTAINED PERMITS FOR THE WORK.

5. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE DESIGN PROFESSIONAL.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER/DESIGN PROFESSIONAL PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER/DESIGN PROFESSIONAL OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

8. ACCESS TO BUSINESSES AND BUILDING ACCESS POINTS SHALL BE MAINTAINED TO THE GREATEST EXTENT PRACTICAL. WHEN ACCESS CANNOT BE MAINTAINED, THE TIME OF NON-ACCESS SHALL BE MINIMIZED AND CLOSELY COORDINATED WITH THE PROPERTY OWNER.

9. ANY DAMAGE TO PRIVATE PROPERTY MADE BY THE CONTRACTOR SHALL BE PROMPTLY REPAIRED TO AN EQUAL OR BETTER CONDITION AS IT WAS BEFORE COMMENCEMENT OF THE WORK.

10. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.

11. WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL HOLD AND PROTECT POLE DURING CONSTRUCTION AT THE CONTRACTORS EXPENSE.

DEMOLITION NOTES:

1. REFER TO THE EXISTING CONDITION SHEET FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, PIPES, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO REMAIN OR RELOCATED. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.

2. THE CONTRACTOR SHALL REFER TO THE PLANS FOR DEMOLITION/PRESERVATION OF EXISTING TREES AND LANDSCAPING. ALL TREES AND LANDSCAPING NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE/LANDSCAPING PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.

3. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS 30 DAYS IN ADVANCE TO RELOCATION LANDSCAPING IN CONFLICT WITH THE WORK. LANDSCAPE IN CONFLICT, LEFT IN PLACE, SHALL BE REMOVED AND REPLACED BY CONTRACTOR (IN RIGHT-OF-WAY ONLY) UNLESS OTHERWISE NOTED.

4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

5. ALL ELEVATION MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

6. CONTRACTOR SHALL EXERCISE CAUTION WHILE REMOVING AND/OR RELOCATING EXISTING SIGNS IN ORDER TO PREVENT ANY UNNECESSARY DAMAGE TO THE SIGNS. SIGNS WHICH ARE DAMAGED BEYOND USE AS DETERMINED BY THE ENGINEER SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

PAVING, GRADING, AND DRAINAGE NOTES:

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH STANDARDS APPLICABLE TO PUBLIC RIGHTS-OF-WAY STANDARDS AND EASEMENTS WITHIN THE CITY OF FERNANDINA BEACH OR FDOT SPECIFICATIONS AND STANDARDS (2017-18) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.

2. ALL ELEVATIONS SHOWN REFER TO NAVD 1988.

3. CONSTRUCT CURBING IN ACCORDANCE WITH PROJECT DETAILS AS APPLICABLE.

4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL.

10. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AND AS INDICATED ON THE DRAWINGS.

11. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH SPECIFICATIONS, THE LOCAL JURISDICTIONAL AGENCY, OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

16. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.

WATER AND SEWER UTILITY NOTES:

1. CONTRACTOR SHALL COORDINATE WITH CITY OF FERNANDINA BEACH UTILITY DEPARTMENT PRIOR TO CONSTRUCTION. IF THE UTILITY DEPARTMENT ELECTS TO REPLACE WATER/SEWER SERVICE LINES DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE STREETSCAPE IMPROVEMENTS WITH THE CITY'S UTILITY REPLACEMENTS.

2. WATER SERVICES AND SANITARY SERVICES SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION. THE FIRE MARSHALL MUST BE NOTIFIED IN ADVANCE OF ANY INTERRUPTION TO FIRE SERVICES.

3. WATER METERS FOUND TO BE IN CONFLICT WITH THE PROPOSED CURBING SHALL BE RELOCATED. ALL WATER METER RELOCATIONS SHALL BE APPROVED BY THE CITY OF FERNANDINA BEACH PRIOR TO THE CONTRACTOR PROCEEDING WITH THE RELOCATION.

4. ALL WATER METER COVERS ON PROJECT TO BE REPLACED. WATER METER BOX COVERS FOR THIS PROJECT SHALL BE AS FOLLOWS:
   1. CDR 15" X 17" TIER 8 BY HUBBELL OR APPROVED EQUAL (DUAL METERS)
   2. QUAZITE 11" X 18" TIER 8 BY HUBBELL OR APPROVED EQUAL (1" METER)

5. WATER METER COVERS SHALL BE SKID RESISTANT AND BE STAINED TO MATCH PROPOSED PAVERS AND/OR CONCRETE

SIGNING AND MARKING NOTES:

1. CONTRACTOR TO STORE AND PROTECT ANY EXISTING PLACARDS AND REUSE WHEREVER POSSIBLE ON NEW SIGN POSTS. ALL NEW SIGNS FURNISHED FOR THIS PROJECT TO BE DIAMOND GRADE. NEW SIGN POSTS FOUNDATIONS AND BREAKAWAY SLIP BASE SHALL CONFORM TO FDOT STANDARD INDEX 11860. SIGN POST MATERIAL AND COLOR TO BE COORDINATED WITH THE CITY OF FERNANDINA BEACH.

2. SIGNAGE ON PRIVATE PROPERTY IS TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED.

3. SIGN PLACEMENT FOR STOP SIGN SHOULD BE IN ACCORDANCE WITH FIGURE 2A-1. OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). HEIGHTS AND LATERAL LOCATION OF STOP SIGNS REFER TO SECTION 2A.16 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

4. SIGN PLACEMENT SHALL CONFORM TO FDOT STANDARD INDEX 17302.

5. PARKING SIGNS WITH DIRECTION ARROWS SHALL BE INSTALLED AT AN ANGLE OF NOT LESS THAN 30° BUT NOT MORE THAN 45° WITH THE LINE OF TRAFFIC FLOW.

EROSION CONTROL NOTES:

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THESE EROSION CONTROL NOTES, THE STANDARD DETAILS, ATTACHMENTS INCLUDED IN SPECIFICATIONS, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

2. CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF INTENT TO USE THE CITY'S NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AS REQUIRED PRIOR TO THE START OF WORK.

3. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

4. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

5. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.

6. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.

7. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

8. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO WATERS OF THE STATE.

11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.

12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.

13. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

14. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE AND AT THE CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE PROJECT.

16. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

17. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

18. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.

19. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

EROSION CONTROL MAINTENANCE:

ALL MEASURES STATED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

3. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

4. TEMPORARY PARKING AND STORAGE AREAS SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

5. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

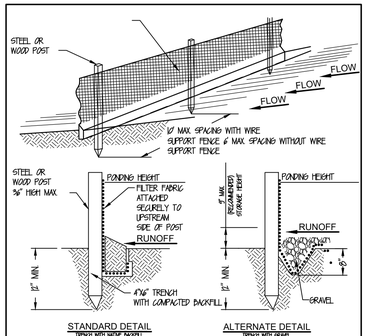
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

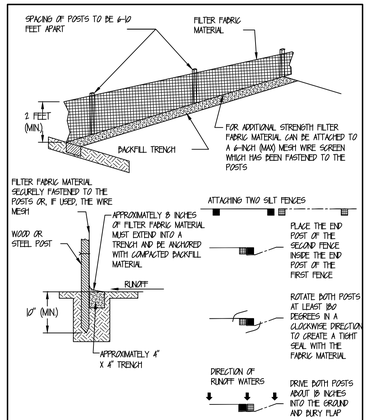
SHEET NUMBER
C0.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.02 January 08, 2025 10:26:18am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

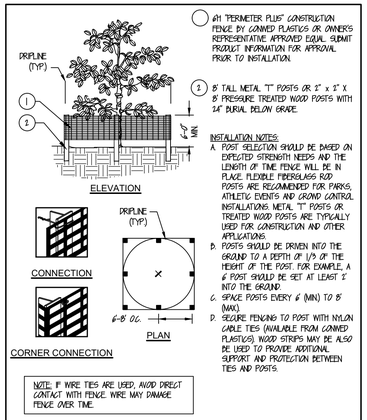


NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
1. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED
2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL



SILT FENCE INSTALLATION DETAIL

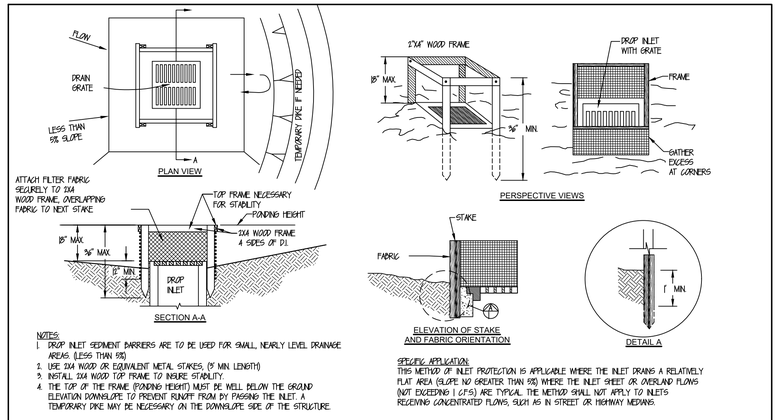


1. #11 "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:
A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
C. SPACE POSTS EVERY 6' (MIN) TO 8' (MAX).
D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

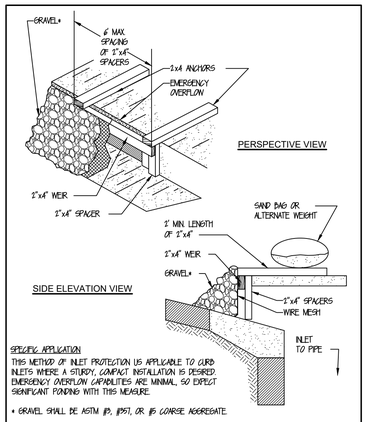
TREE BARRICADE



NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%)
2. USE 2X4 WOOD OR EQUIVALENT METAL STAKES, (3' MIN LENGTH)
3. INSTALL 2X4 WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

SPECIFIC APPLICATION:
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

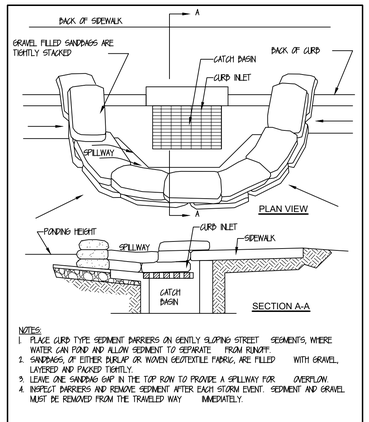
FILTER FABRIC DROP INLET SEDIMENT BARRIER



SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE TO CURB INLETS WHERE A STURDY, COMPACT INSTALLATION IS DESIRED. EMERGENCY OVERFLOW CAPABILITIES ARE MINIMAL, SO EXPECT SIGNIFICANT PONDING WITH THIS MEASURE.

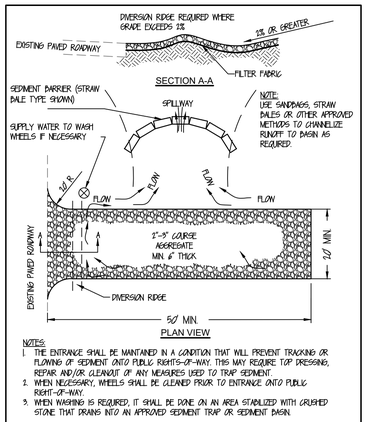
* GRAVEL SHALL BE ASTM #3, #357, OR #5 COARSE AGGREGATE.

GRAVEL CURB INLET SEDIMENT FILTER WITH OVERFLOW WEIR



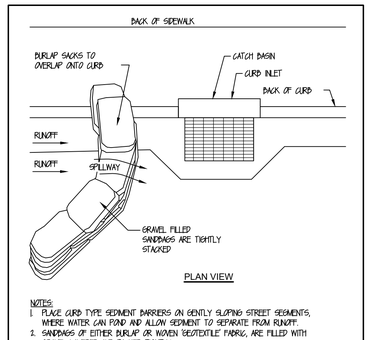
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB INLET SEDIMENT BARRIER



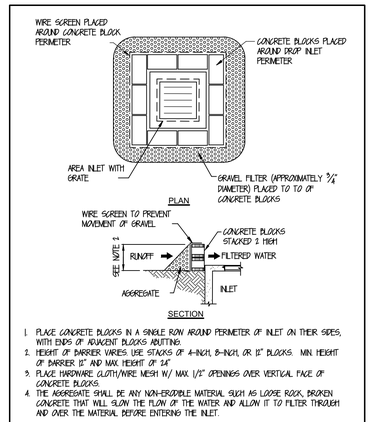
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



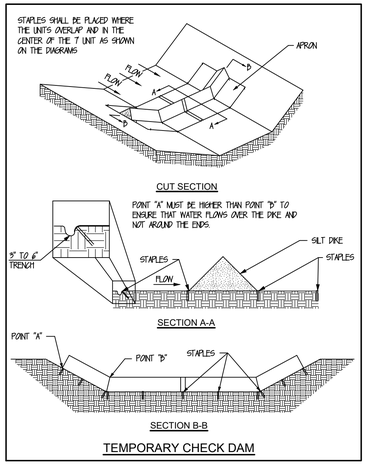
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB AND GUTTER SEDIMENT BARRIER

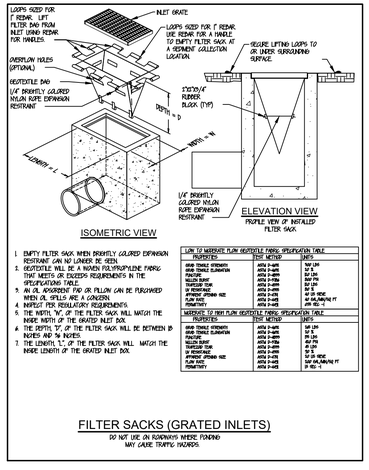


1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN HEIGHT OF BARRIER 12" AND MAX HEIGHT OF 24"
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE AGGREGATE SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

BLOCK AND AGGREGATE INLET SEDIMENT DEVISE



TEMPORARY CHECK DAM



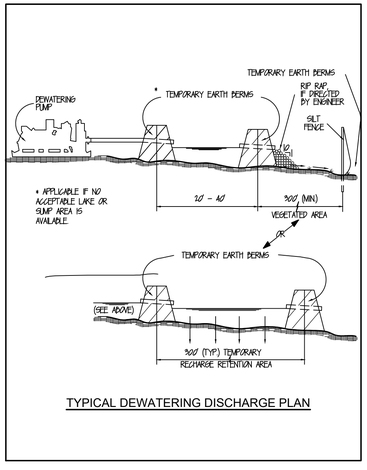
1. EMPTY FILTER SACK WHEN BRIGHTLY COLORED EMBARGO RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. AN OIL ABSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK WILL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH "D", OF THE FILTER SACK WILL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK WILL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	160 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	15 %
MULLEN BURST	ASTM D-3786	300 LBS
TRAPEZOID TEAR	ASTM D-4533	60 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	150 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.0 SEC-1

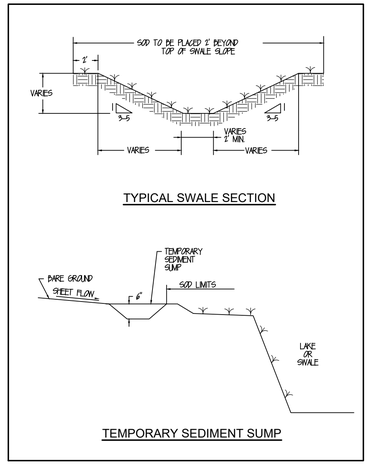
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	249 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	50 %
MULLEN BURST	ASTM D-3786	390 PSI
TRAPEZOID TEAR	ASTM D-4533	90 LBS
UV RESISTANCE	ASTM D-4355	70 %
APPARENT OPENING SIZE	ASTM D-4751	30 US SIEVE
FLOW RATE	ASTM D-4491	224 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.8 SEC-1

FILTER SACKS (GRATED INLETS)

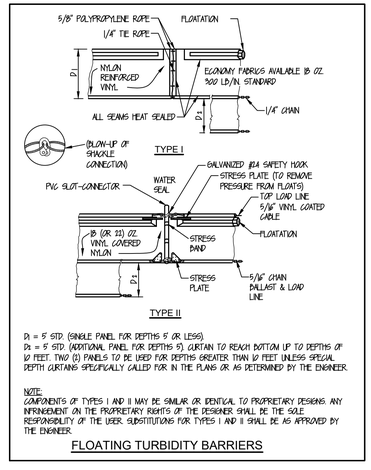
DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.



TYPICAL DEWATERING DISCHARGE PLAN



TEMPORARY SEDIMENT SUMP



D1 = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D2 = 9' STD. (ADDITIONAL PANEL FOR DEPTHS 5'). CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTE:
COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DESIGNED BY:	CHECKED BY:
142806005	KHA	MAJ
DATE: 01/08/2025	DRAWN BY: NL	
SCALE: AS SHOWN		

STORM WATER POLLUTION PREVENTION DETAILS

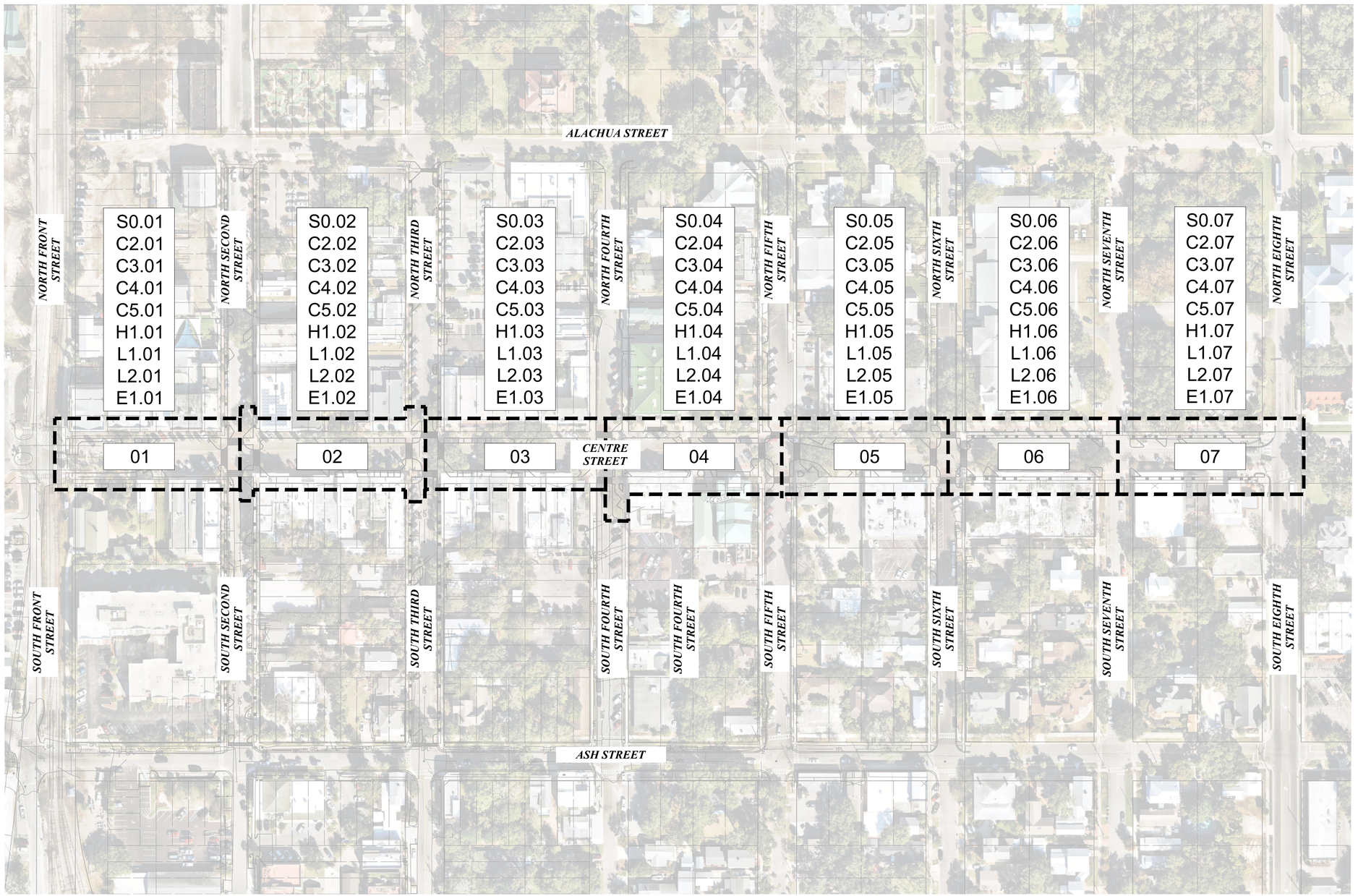
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.03 January 08, 2025 10:26:20am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

INDEX OF SHEETS	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN
H1.01	OVERALL HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	
DRAWN BY: NL	
CHECKED BY: MAJ	

KEY MAP

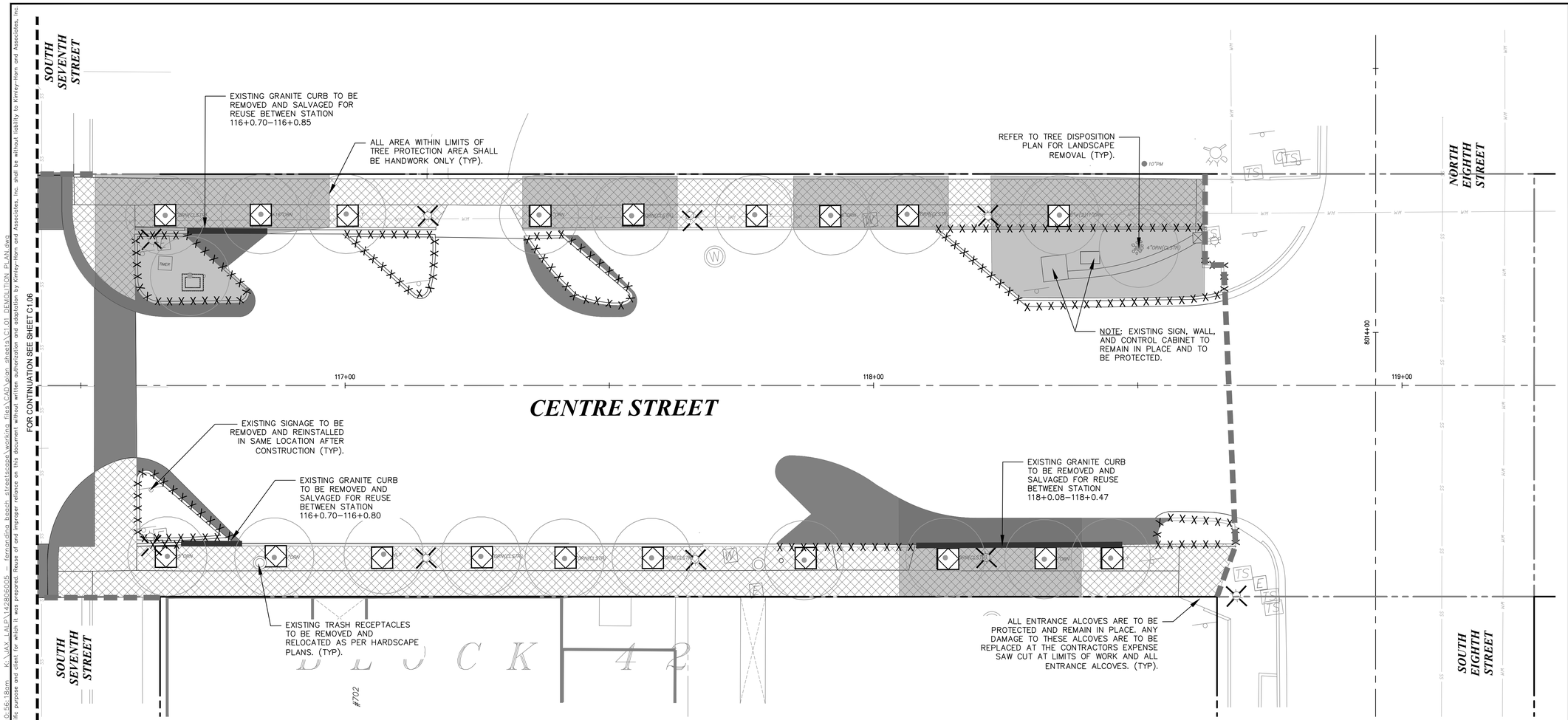
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.04

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.04 January 08, 2025 11:19:59am K:\JAX_LAP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\C0.04 KEY MAP.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

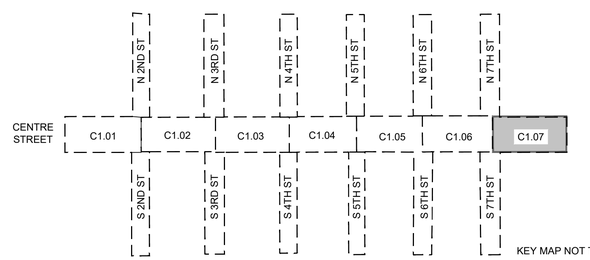
TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

DEMOLITION LEGEND

- EXISTING ELECTRICAL OUTLET
- EXISTING TREE GRATE TO BE REMOVED
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
- EXISTING PLANTER TO BE REMOVED AND RELOCATED
- EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING SEAT WALL TO BE REMOVED
- EXISTING BENCH TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- TREE PROTECTION AREA (HANDWORK ONLY)
- EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
- EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
- EROSION CONTROL BARRIER
- EXISTING TREE
- EXISTING OFF-SITE TREE
- EXISTING PALM TREE
- EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

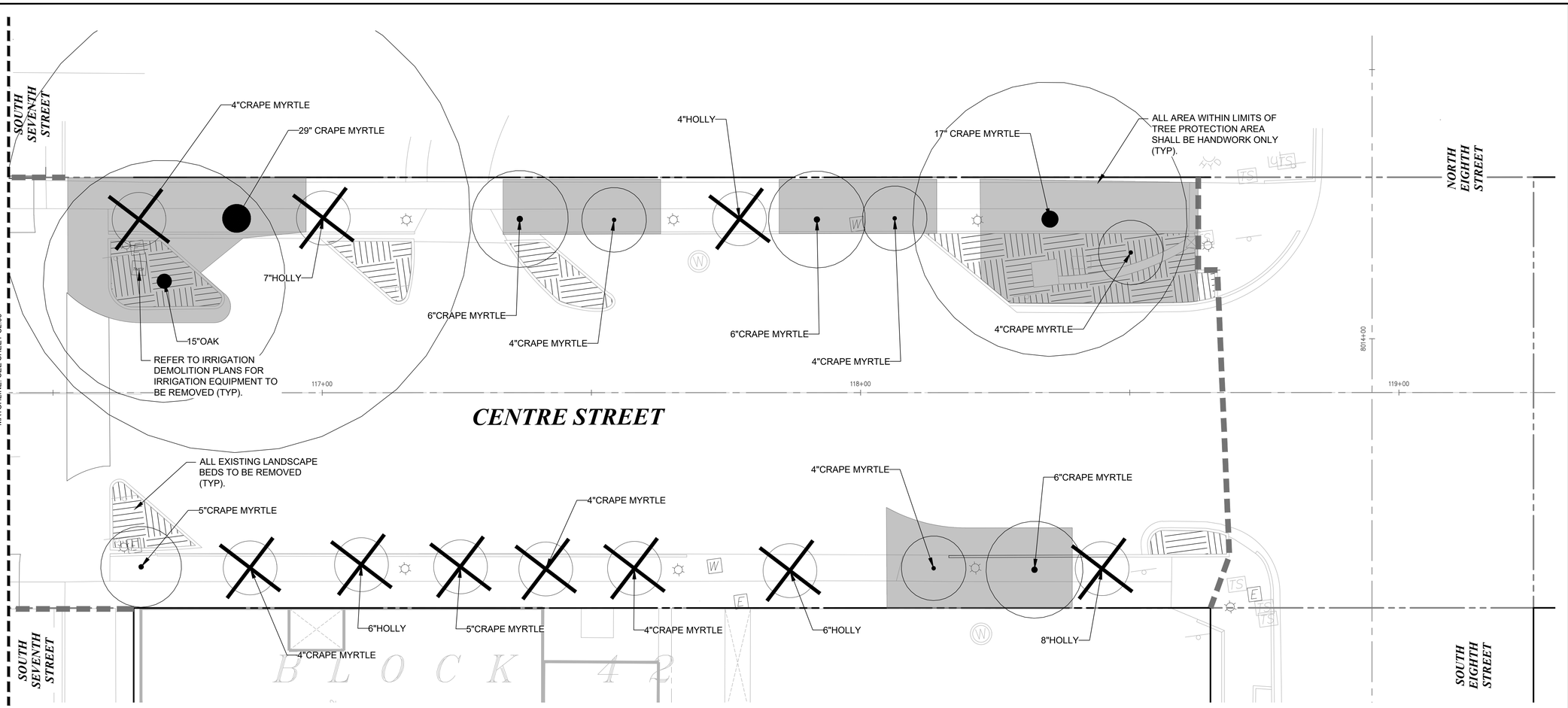
DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C1.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C1.07 January 08, 2025 10:56:18am K:\JAX_LAL\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet: Sat-FERNANDINA BEACH STREETSCAPE Layout: C2.07 January 08, 2025 10:29:59pm K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

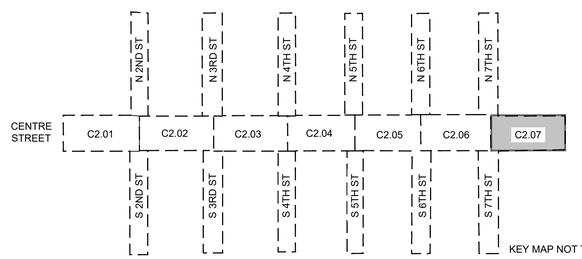


LEGEND

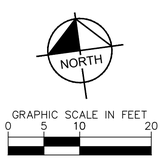
FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

TREE LEGEND

	EXISTING TREE TO REMAIN
	EXISTING PALM TO REMAIN
	OFF-SITE TREE TO REMAIN
	TREE TO BE REMOVED



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA
DRAWN BY: NL	CHECKED BY: MAJ		

TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
C2.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.50 January 08, 2025 10:30:00am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TREE MITIGATION SPECIFICATIONS

A. GENERAL

1. CONTRACTOR SHALL ADHEAR TO ALL TREE PROTECTION REQUIREMENTS LISTED IN THESE SPECIFICATIONS AND/OR THOSE LISTED IN THE CITY OR COUNTY ZONING CODE, TREE PROTECTION (LATEST EDITION), WHICHEVER IS MORE STRINGENT SHALL APPLY.
2. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PROCEDURES WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
3. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATION MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE.
4. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED FROM THIS PROHIBITION.
5. EXISTING TREE LOCATIONS AND SIZES ARE ESTIMATES AND ARE BASED ON A SURVEY PROVIDED BY THE OWNER SELECTED SURVEYOR.
6. CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH PERMITTING AGENCY AND PROJECT ARBORIST PRIOR TO CONSTRUCTION. NO PERSON MAY REMOVE OR CAUSE TO BE REMOVED ANY PROTECTED TREE OR PALM WITHOUT FIRST HAVING PROCURED A PERMIT AS PROVIDED BY THE APPROPRIATE PERMITTING AGENCY.
7. FOR PROTECTED TREES OR PALMS BEING REMOVED, THE CONTRACTOR MUST GIVE THE PERMITTING AGENCY REASONABLE OPPORTUNITY TO RELOCATE TREES DESIGNATED FOR REMOVAL TO ANOTHER SITE AT THE PERMITTING AGENCY'S EXPENSE.
8. CONTRACTOR IS RESPONSIBLE FOR POSSESSING ALL REQUIRED APPLICATOR LICENSES, BUSINESS REGISTRATIONS AND INSURANCE, PESTICIDE LABELS, AND MATERIAL DATA SAFETY SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING ALL SPILL CONTAINMENT MATERIALS AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR PESTICIDE APPLICATIONS AND ACCIDENTAL SPILLS ON SITE AT ALL TIMES. THE OWNER RESERVES THE RIGHT TO INSPECT EACH APPLICATOR AND HAVE THESE MATERIALS PRESENTED BEFORE AND DURING ANY PESTICIDE TREATMENT.
9. WHERE TRAFFIC AREAS ARE PROPOSED WITHIN THE DRIP LINE OF PROTECTED TREES AND LESS THAN FOUR (4) INCHES OF GRADE CHANGE ARE PROPOSED, PERMEABLE SURFACES THAT ALLOW AIR AND WATER INTO THE SOIL SHOULD BE USED IN LIEU OF ASPHALT OR OTHER SUCH IMPERVIOUS SURFACES.
10. TREE WELLS OF AN APPROVED DESIGN SHALL BE CONSTRUCTED AROUND ALL TREES TO BE PRESERVED WHEN MORE THAN FOUR INCHES OF FILL IS TO BE DEPOSITED WITHIN THE DRIP LINE AREA OF THOSE TREES. COORDINATE WITH PROJECT ARBORIST.
11. THE SEQUENCE OF TREE MITIGATION AND PRESERVATION MEASURES IS IMPERATIVE TO THE HEALTH AND SURVIVABILITY OF THE SUBJECT TREES AND SHALL BE COORDINATED WITH THE OWNER SELECTED PROJECT ARBORIST. THE DESIRED SEQUENCE IS OUTLINED BELOW:
    a. TREE PROTECTION FENCING.
    b. ROOT PRUNING AND ROOT BARRIERS.
    c. CLEARING.
    d. TREE CANOPY PRUNING.
    e. FERTILIZATION.
    f. INSECTICIDE.
    g. IRRIGATION.

B. TREE PROTECTION FENCING

1. PRIOR TO THE ERECTION OF ANY TREE PROTECTION FENCING, ALL FOREIGN SURFACE MATERIAL, TRASH OR DEBRIS SHALL BE REMOVED FROM THE AREA TO BE ENCLOSED BY THE FENCING. AFTER ERECTION OF THE FENCING NO SUCH MATERIAL OR LITTER SHALL BE PERMITTED TO REMAIN WITHIN THE PROTECTED AREA.
2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL PROTECTED TREES TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING, LAND ALTERATION, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
3. NATIVE GROUND COVER AND UNDERSTORY VEGETATION EXISTING WITHIN THE PROTECTED AREA SHALL REMAIN THROUGHOUT CONSTRUCTION. OTHER DESIGNATED VEGETATION AND INVASIVE PLANT SPECIES SHALL BE REMOVED ONLY BY MANUAL LABOR UTILIZING HAND TOOLS, OR BY OTHER METHODS APPROVED BY THE PROJECT ARBORIST.
4. TREE PROTECTION FENCING TYPES AND LOCATIONS SHALL BE ERECTED AS SHOWN ON THE TREE MITIGATION PLANS AND DETAILS, OR AS REQUESTED BY LOCAL AGENCY.
5. FINAL LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ARBORIST.
6. NO MATERIALS, EQUIPMENT, SPOIL, WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED, OR PARKED WITHIN 20 FEET OF THE TREE PROTECTION ZONE.
7. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE.
8. CONSTRUCTION ACTIVITY SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
9. DO NOT INSTALL CONDUIT, DRAIN OR IRRIGATION LINES, OR ANY UTILITY LINE WITHIN THE TREE PROTECTION ZONE WITHOUT THE APPROVAL OF THE PROJECT ARBORIST. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
10. CONTRACTOR'S ACCESS TO FENCED TREE PROTECTION AREAS WILL BE PERMITTED ONLY WITH APPROVAL OF THE PROJECT ARBORIST.
11. EXCAVATION OR GRADING REQUIRED WITHIN THE PROTECTED AREA SHALL BE LIMITED TO THREE (3) INCHES OF CUT OR FILL. COORDINATE WITH PROJECT ARBORIST.
12. STRUCTURES AND UNDERGROUND FEATURES TO BE REMOVED WITHIN THE TREE PROTECTION ZONE SHALL BE COORDINATED WITH THE PROJECT ARBORIST.
13. TREE PROTECTION FENCING AROUND TREES TO BE RELOCATED SHALL BE ERECTED UNTIL THE TREE IS READY TO BE RELOCATED AND NEW FENCING SHALL BE ERECTED AT THE TREES NEW LOCATION AND WILL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE.
14. IF ANY DAMAGE TO TREE PROTECTION FENCING SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIRS.
15. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE PROTECTED AREA OF TREES TO BE PRESERVED, A ROAD BED OF SIX (6) INCHES OF MULCH OR GRAVEL SHALL BE CREATED TO PROTECT THE SOIL. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A SIX (6) INCH ROAD BED AT ALL TIMES. CONTRACTOR SHALL REMOVE ALL SUCH MATERIALS FROM THE SITE AS SOON AS TEMPORARY ACCESS IS NO LONGER NECESSARY.
16. CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST PRIOR TO THE REMOVAL OF ALL TREE PROTECTION FENCING.

C. ROOT PRUNING/TRENCHING

1. TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE PROJECT ARBORIST.
2. TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE PROJECT ARBORIST. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
5. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

D. CLEARING

1. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH HAND-OPERATED EQUIPMENT.
2. CONTRACTOR SHALL CLEAR ALL TREE PROTECTION AREAS OF VINES, SHRUBS, GROUND COVERS, WEEDS, SAPLINGS, AND INVASIVES LISTED ON THE LATEST EDITION OF THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE SPECIES.
3. PROJECT ARBORIST MUST APPROVE METHODS OTHER THAN HAND CLEARING.
4. A TWO (2) INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES DURING THE SITE CLEARING PHASE.

E. TREE CANOPY PRUNING

TREE PRUNING SPECIFICATIONS SHALL BE DEFINED BASED ON SPECIFIC RECOMMENDATIONS OF THE PROJECT ARBORIST. INFORMATION PRESENTED BELOW SHOULD BE USED AS A GUIDELINE.

1. CONTRACTOR SHALL VISIT THE SITE WITH THE PROJECT ARBORIST TO VERIFY THE EXTENT OF REQUIRED PRUNING.
2. ALL PRUNING SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST OR AN AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA) REGISTERED CONSULTING ARBORIST (RCA).
3. AT LEAST ONE MEMBER OF THE PRUNING CREW SHALL BE AN ISA CERTIFIED ARBORIST.
4. WHILE IN THE TREE, THE ARBORIST SHALL PERFORM AN AERIAL INSPECTION TO IDENTIFY DEFECTS THAT REQUIRE TREATMENT. ANY ADDITIONAL WORK NEEDED SHALL BE REPORTED TO THE OWNER.
5. PRUNING CUTS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI A300 PRUNING STANDARD (AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS) AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI Z133.1 SAFETY STANDARD. PRUNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ISA'S "BEST MANAGEMENT PRACTICES: TREE PRUNING".
6. WHERE TEMPORARY CLEARANCE IS NEEDED FOR ACCESS, BRANCHES SHALL BE TIED BACK TO HOLD THEM OUT OF THE CLEARANCE ZONE.
7. NO MORE THAN 20 PERCENT OF LIVE FOLIAGE SHALL BE REMOVED WITHIN ANY TREE.
8. ALL TREES WITHIN THE PROJECT AREA SHALL BE PRUNED AS FOLLOWS:
    a. LIVE BRANCH PRUNING SHOULD BE PERFORMED ONLY WHEN THE DANGER OF INSECT OR DISEASE INFESTATION IS NOT PRESENT.
    b. REMOVE STUBS, CUTTING OUTSIDE THE WOUND WOOD TISSUE THAT HAS FORMED AROUND THE BRANCH.
    c. CLEANING, FOR THE SELECTIVE REMOVAL OF DEAD, DISEASED, BROKEN, OR CROSSING BRANCHES DOWN TO ONE INCH IN DIAMETER OR AS DIRECTED BY THE PROJECT ARBORIST.
    d. PRUNING CUTS LARGER THAN 4 INCHES IN DIAMETER, EXCEPT FOR DEAD WOOD, SHALL BE AVOIDED.
    e. PRUNING CUTS THAT EXPOSE HEARTWOOD SHALL BE AVOIDED WHENEVER POSSIBLE.
    f. ALL TREES WITH CROWNS THAT PROJECT INTO PARKING LOT/ROADWAY AREAS SHALL BE RAISED TO 14 FEET ABOVE FINISHED GRADE.
    g. ALL TREES WITH CROWNS THAT PROJECT INTO SIDEWALK AREAS SHALL BE RAISED TO A HEIGHT OF 8 FEET ABOVE FINISHED GRADE.
9. TREES, WHO'S ROOT SYSTEMS WILL BE IMPACTED SHALL RECEIVE THE FOLLOWING PRUNING TO COMPENSATE FOR ROOT LOSS:
    a. THE LOCATION AND SIZE OF BRANCHES FOR REDUCTION SHALL BE DEFINED BY THE PROJECT ARBORIST.
    b. REDUCTION, OR THE SELECTIVE PRUNING TO REDUCE TREE HEIGHT OR SPREAD.
    c. REDUCE END WEIGHT ON HEAVY, HORIZONTAL BRANCHES BY SELECTIVELY REMOVING SMALL DIAMETER BRANCHES, NO GREATER THAN 2 TO 3 INCHES, NEAR THE ENDS OF SCAFFOLD BRANCHES.
    d. RAISING SHALL CONSIST OF SELECTIVE PRUNING TO PROVIDE VERTICAL CLEARANCE.
10. PROPOSED/REPLACEMENT TREES
    a. PRUNING SHALL BE LIMITED TO CLEANING.
11. BRUSH SHALL BE CHIPPED AND SPREAD (ONLY WHEN DISEASE OR INSECT INFESTATION IS NOT PRESENT) UNDERNEATH TREES WITHIN THE TREE PROTECTION ZONE TO A MAXIMUM DEPTH OF THREE (3) INCHES, LEAVING THE TRUNK CLEAR OF MULCH.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS DEBRIS ON A DAILY BASIS.

F. FERTILIZATION

1. CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
2. EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
3. ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
4. TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
    a. MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
    b. MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER. AGITATE MIX.
    c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
    d. THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
    e. FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
    f. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.

G. INSECTICIDE

7. NOTIFY PROJECT ARBORIST IF ANY INFESTATION IS NOTICED.
8. FOLLOW PROJECT ARBORIST'S RECOMMENDED PROCEDURES.
9. FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS CONCERNING APPLICATION. READ ALL WARNING LABELS.
10. ANY PETS, AS WELL AS, THE PETS FOOD AND WATER BOWLS SHOULD BE REMOVED FROM THE AREA AND ANY SWIMMING POOLS SHOULD BE COVERED. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
11. ENSURE COMPLETE COVERAGE AND REAPPLY 2-3 MONTHS AFTER INITIAL APPLICATION UTILIZING SAME PROCEDURE.

H. IRRIGATION

1. EVERY EFFORT SHALL BE MADE TO WATER THE PRESERVED TREES AND TRANSPLANTS. CONTRACTOR SHALL IRRIGATE BY HAND OR BY TEMPORARY IRRIGATION.
2. IRRIGATE AS REQUIRED BY PROJECT ARBORIST UNTIL PERMANENT IRRIGATION IS INSTALLED AND OPERATING.
3. UNDERGROUND IRRIGATION SHALL NOT BE INSTALLED WITHIN THE DRIP LINES OF EXISTING TREES UNLESS ROOT PROTECTION MEASURES ARE PROVIDED AND APPROVED BY PROJECT ARBORIST.

I. TREE REMOVALS

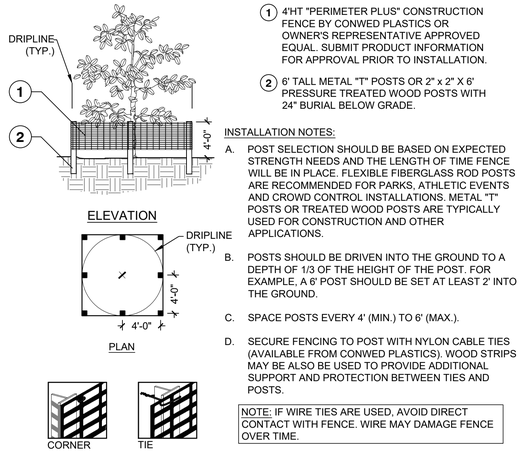
1. PRIOR TO AND DURING LAND CLEARING, INCLUDING GRUBBING, ALL TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY PROJECT ARBORIST WITH RED SURVEY RIBBONS AT 36 INCHES MINIMUM ABOVE GRADE.
2. CONTRACTOR SHALL REMOVE ALL TREES AS SHOWN ON THE TREE MITIGATION PLANS AFTER THE TREE PROTECTION FENCING IS INSTALLED.
3. ALL TREES SHOWN TO BE REMOVED SHALL BE FELLED WITH A CHAIN SAW AND STUMP GROUND 6" BELOW SURFACE. ANY TREE SHOWN TO BE REMOVED THAT IS IN AN AREA WHERE COMPACTION IS CRITICAL SHALL BE FELLED WITH A CHAIN SAW AND STUMP REMOVED BY CONTRACTOR.
4. ALL WOOD AND STUMPS FROM REMOVALS SHALL BE HAULED FROM THE SITE THE SAME DAY, EXCEPT FOR TOPS. ALL TOPS ARE TO BE MULCHED AND STOCKPILED OR HAULED DIRECTLY TO MULCHED AREAS FOR RELOCATED TREES IF SCHEDULING PERMITS. TOPS SHALL BE CHIPPED AND PLACED IN THE TREE PROTECTION ZONE TO A DEPTH OF THREE (3) INCHES. ALL EXCESS WOOD CHIPS SHOULD BE HAULED OFF SITE AFTER TRANSPLANTING IS COMPLETE.
5. ALL BURN PITS IF APPLICABLE MUST BE APPROVED BY THE PROJECT ARBORIST AND OWNER.
6. TREES TO BE REMOVED THAT HAVE BRANCHES EXTENDING INTO THE CANOPY OF TREES TO REMAIN MUST BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST AND NOT BY DEMOLITION OR CONSTRUCTION CONTRACTORS. THE QUALIFIED ARBORIST SHALL REMOVE THE TREE IN A MANNER THAT CAUSES NO DAMAGE TO THE TREES AND UNDERSTORY VEGETATION TO REMAIN.
7. TREES TO BE REMOVED LOCATED WITHIN THE TREE PROTECTION ZONE SHALL BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST. THE TREES SHALL BE CUT NEAR GROUND LEVEL AND THE STUMP GROUND OUT.

J. TOPSOIL

8. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
9. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.
10. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE (1) INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.
11. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR (4) INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.
12. PROJECT ARBORIST SHALL APPROVE ALL TOPSOIL PRIOR TO PLACEMENT.

K. REPAIR OF DAMAGED TREES

1. IF DAMAGE TO ANY TREE SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE DURING THE CONSTRUCTION PERIOD, THE PROJECT ARBORIST SHALL APPRAISE THE DAMAGE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPAIR BY THE CONTRACTOR.
2. IF ANY TREE DESIGNATED TO BE SAVED IS REMOVED FROM THE SITE WITHOUT PERMISSION OF THE OWNER'S REPRESENTATIVE, THE PROJECT ARBORIST SHALL APPRAISE THE TREE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE TREE AND ANY FEES THAT MAY BE ASSESSED TO THE OWNER BY THE GOVERNING AGENCY.



1. 4'HT "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 6' TALL METAL "T" POSTS OR 2" x 2" X 6' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 4' (MIN.) TO 6' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

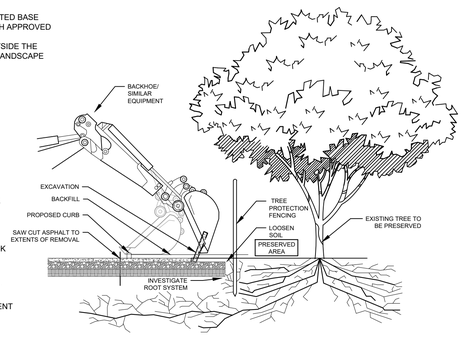
NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

1 TREE PROTECTION FENCING

NTS JAX-FG-12

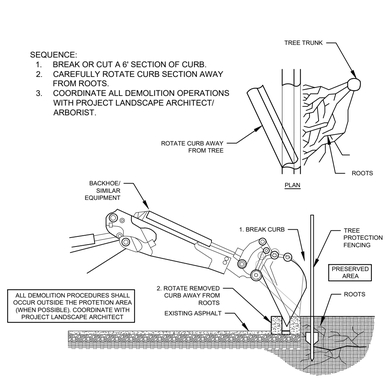
NOTES:
CONTRACTOR TO REMOVE ASPHALT AND ASSOCIATED BASE MATERIAL TO EXISTING SOIL DEPTH. BACKFILL WITH APPROVED SOIL MIXTURE.
ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST PRIOR TO DEMOLITION.

SEQUENCE:
1. INSTALL PROTECTION FENCE.
2. SAW-CUT A LINEAR SECTION OF ASPHALT.
3. CAREFULLY EXCAVATE PAVING TO SUB-GRADE BY PEELING BACK ASPHALT.
4. INVESTIGATE TO DETERMINE EXTENT OF ROOT SYSTEM.
a. NO ROOT GROWTH- EXCAVATE FROM BACK OF CURB TO EXTENT OF PROPERTY IMPROVEMENTS.
b. ROOT GROWTH- ROOT PRUNE PER PLAN.
c. INSTALL A 20 MIL ROOT BARRIER AT ROOT PRUNE LINE. LOOSEN SOIL WITH HAND TOOLS OR AIR-SPADE THROUGHOUT EXTENT OF EXPANDED PLANTING AREA.



PAVEMENT DEMOLITION PROCEDURE

SEQUENCE:
1. BREAK OR CUT A 6' SECTION OF CURB.
2. CAREFULLY ROTATE CURB SECTION AWAY FROM ROOTS.
3. COORDINATE ALL DEMOLITION OPERATIONS WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST.



CURB DEMOLITION PROCEDURE

2 / C3.50 PAVEMENT DEMOLITION PROCEDURE

NTS JAX-FE-FBH-16

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

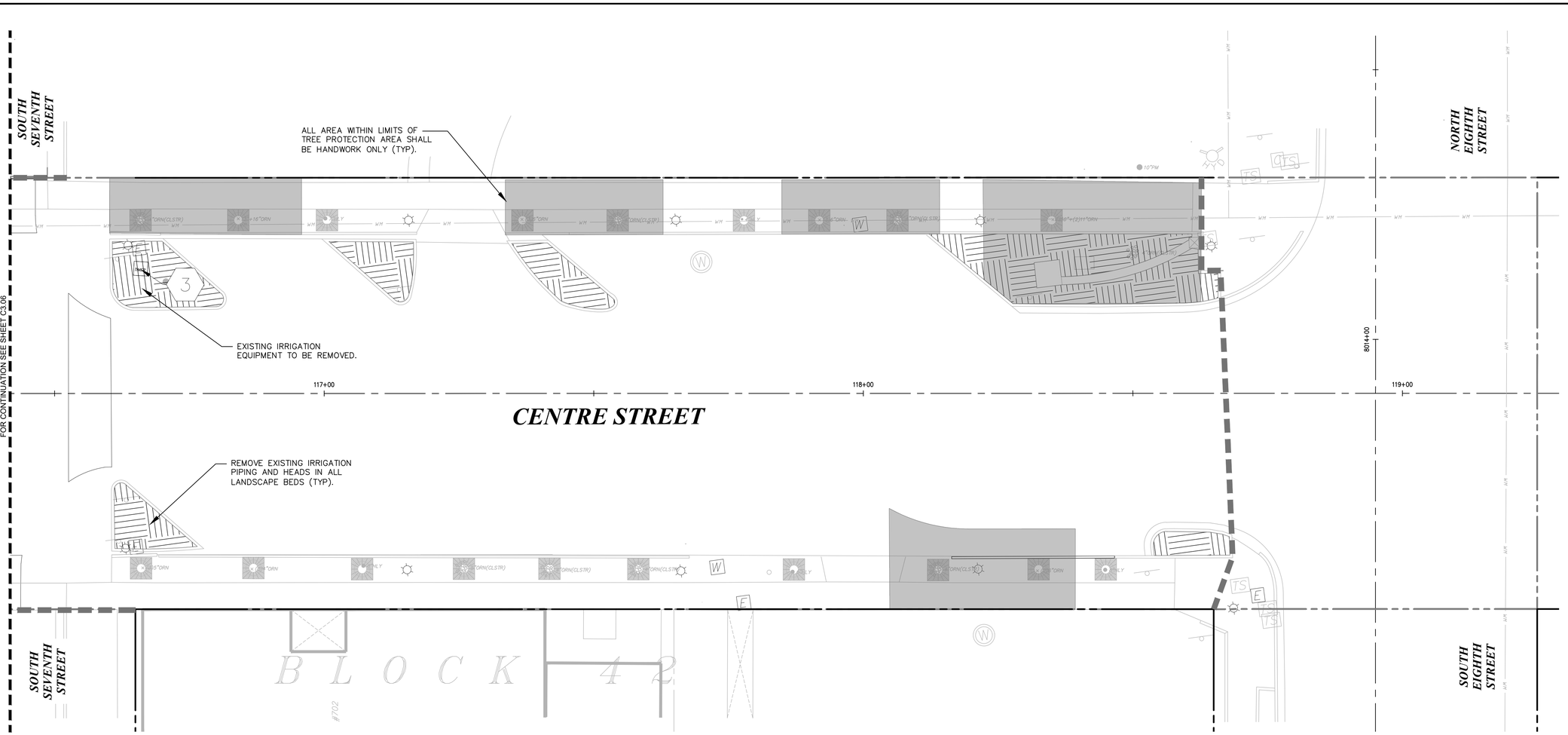
FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005	DESIGNED BY: KHA
DATE 01/08/2025	DRAWN BY: NL
SCALE: AS SHOWN	CHECKED BY: MAJ

TREE DISPOSITION NOTES & DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.50



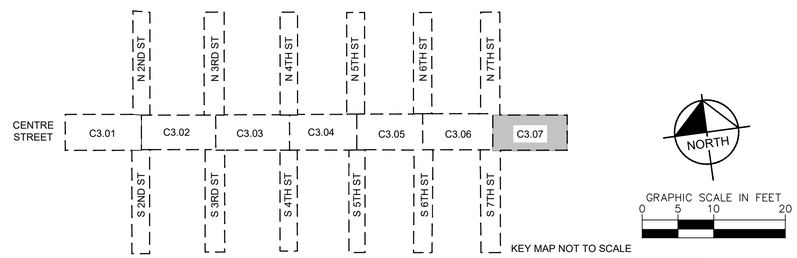
LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM COM COM	PROPOSED ELECTRIC

IRRIGATION DEMOLITION LEGEND

	EXISTING TREE PROTECTION AREA (CRITICAL ROOT ZONE AREAS MUST BE DONE BY HAND).
	EXISTING IRRIGATION EQUIPMENT IN LANDSCAPE BED TO BE REMOVED
1 M	EXISTING WATER METER TO BE REMOVED
2 BFP	EXISTING BACKFLOW PREVENTER TO BE REMOVED
3 TIMER	EXISTING IRRIGATION CONTROLLER TO BE REMOVED

NOTES:
1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.



KEY MAP NOT TO SCALE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: NL	CHECKED BY: MAJ

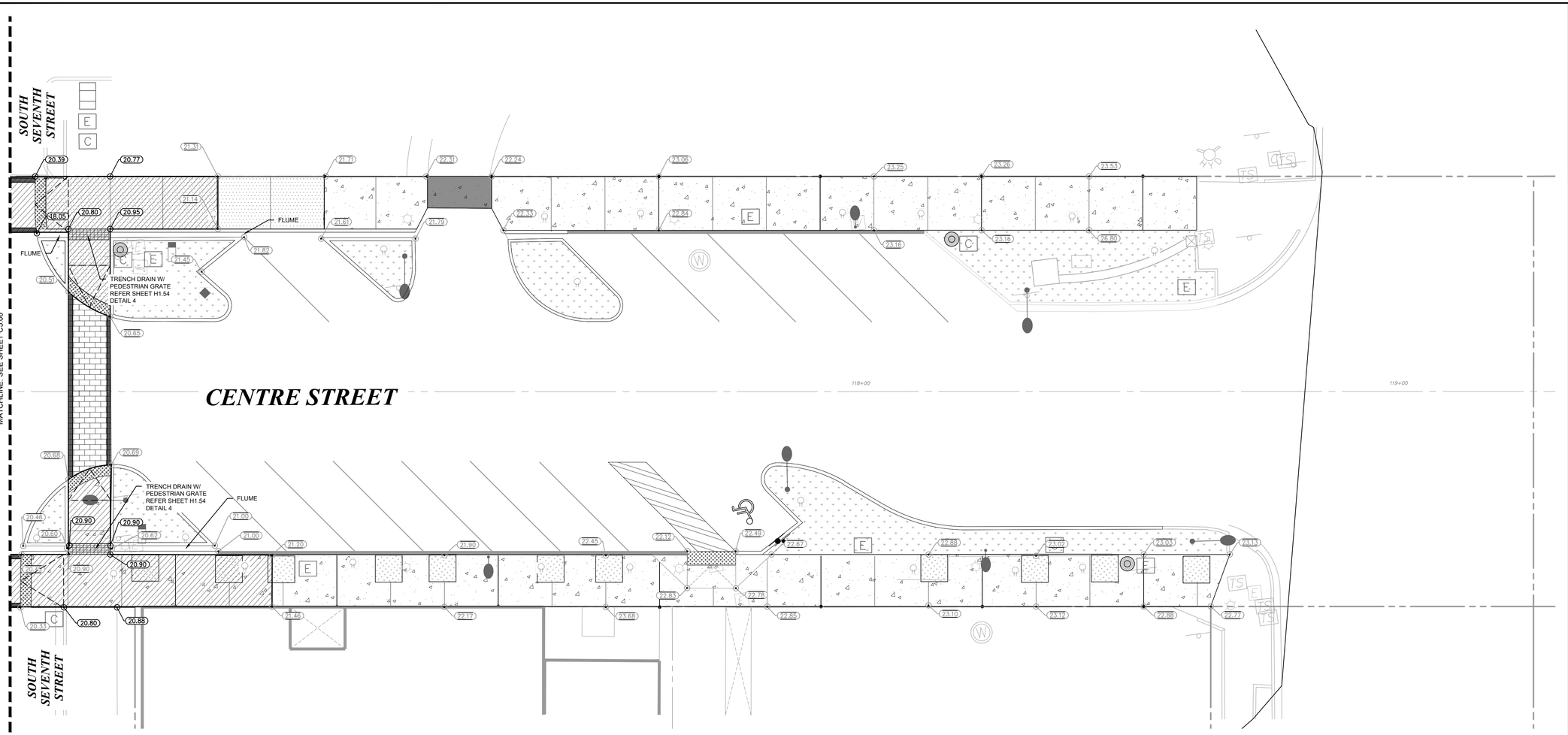
IRRIGATION DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
C3.07

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C3.07 January 08, 2025 10:31:40am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
D	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

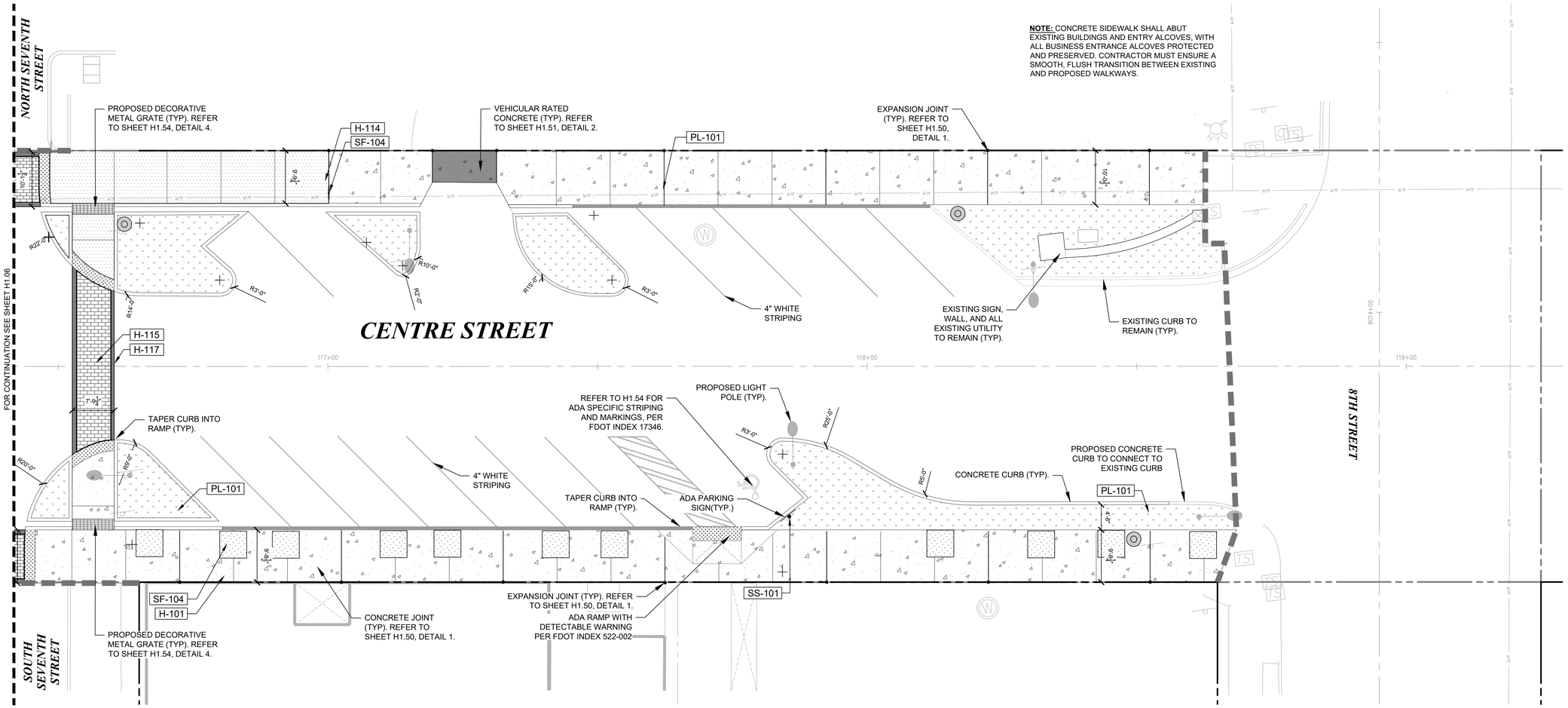
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: CRZ
DRAWN BY: CRZ
CHECKED BY: BSD

GRADING AND DRAINAGE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C5.07

Plotted By: Ziegmont, Charles Sheet Set: ########## Layout: C5.07 January 08, 2025 09:44:47am K:\JAX_LAP\142806005 - FERNANDINA BEACH STREETSCAPE\WORKING FILES\CADD\Plan Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



HARDSCAPE SCHEDULE - H1.07

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,785 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	954 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	121 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	309 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	74 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	619 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	192 SF	
	H-117	CONCRETE BAND - CROSSWALKS	127 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,321 SF	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	2	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

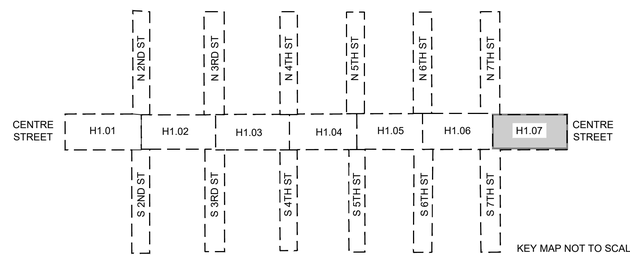
* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

NOTE:

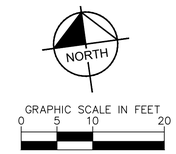
CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.07 January 08, 2025 10:33:15am K:\JAX_LA\142806005 — fernandina beach streetscape\working files\CAD\xlon sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL HARDSCAPE SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	33,041 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	10,222 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	534 LF	2/H1.53
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	1,448 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	2,129 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	1,329 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	490 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	8,919 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	5,149 SF	
	H-117	CONCRETE BAND - CROSSWALKS	2,702 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	21,284 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	17	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	26	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	36	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	46	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	8	

HARDSCAPE SCHEDULE - H1.01

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,825 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,127 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	49 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	219 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	243 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	228 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	891 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	580 SF	
	H-117	CONCRETE BAND - CROSSWALKS	365 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,474 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	2	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	5	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.02

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	7,242 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,940 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	194 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	273 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	160 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	194 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,698 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	989 SF	
	H-117	CONCRETE BAND - CROSSWALKS	390 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,161 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	17	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	4	

HARDSCAPE SCHEDULE - H1.03

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,451 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,520 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	141 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	218 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	310 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	141 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,150 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	759 SF	
	H-117	CONCRETE BAND - CROSSWALKS	493 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,929 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	11	4/H1.53

HARDSCAPE SCHEDULE - H1.04

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,892 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,810 LF	3/H1.52
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	222 SF	1/H1.54
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	468 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	448 LF	4/H1.52
	H-115	BRICK CROSS WALK - PROPOSED	885 SF	
	H-117	CONCRETE BAND - CROSSWALKS	410 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	3,080 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	5	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - REINSTALLED & TO REMAIN IN PLACE	7	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.05

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	4,237 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,607 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	66 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	204 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	209 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	99 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,938 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	1,012 SF	
	H-117	CONCRETE BAND - CROSSWALKS	450 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,374 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	6	4/H1.53

HARDSCAPE SCHEDULE - H1.06

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,609 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,138 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	190 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	646 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,623 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	732 SF	
	H-117	CONCRETE BAND - CROSSWALKS	467 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,595 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.07

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,785 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	954 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	121 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	309 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	74 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	619 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	192 SF	
	H-117	CONCRETE BAND - CROSSWALKS	127 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,321 SF	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	2	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

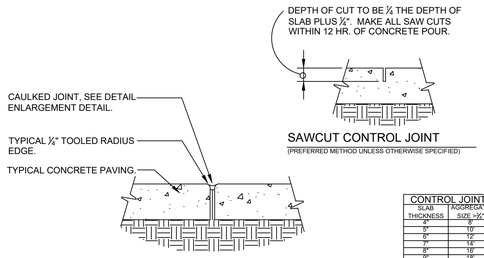
HARDSCAPE PLAN SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.08 January 08, 2025 10:33:47am K:\JAX_LAP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

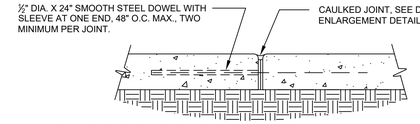


CAULKED EXPANSION JOINT

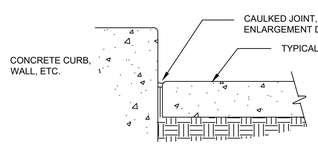
SAWCUT CONTROL JOINT

(PREFERRED METHOD UNLESS OTHERWISE SPECIFIED)

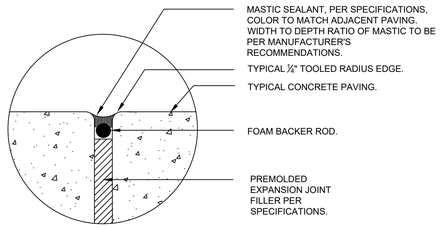
CONTROL JOINT SPACING		
SLAB THICKNESS	AGGREGATE SIZE >¾"	AGGREGATE SIZE <¾"
4"	8'	10'
5"	10'	13'
6"	12'	15'
7"	14'	18'
8"	16'	20'
9"	18'	23'
10"	20'	25'



DOWELED EXPANSION JOINT



CONCRETE PAVING AT VERTICLE PLANE

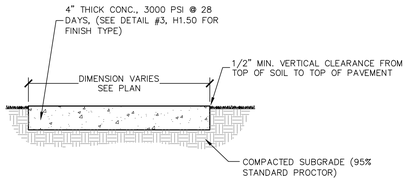


ENLARGED TYPICAL CAULKED JOINT

1 TYPICAL CONCRETE JOINT DETAILS

NTS: SCALE

JAX-FE-14



CEMENT: ASTM C150/C150M, TYPE I - NORMAL PORTLAND TYPE, AQUIRE CEMENT FOR ENTIRE PROJECT FROM SAME SOURCE.

SAND: LOCALLY AVAILABLE SAND

AGGREGATE: COQUINA MAX. ¾", AQCUIRE AGGREGATE FOR ENTIRE PROJECT FROM SAME SOURCE.

CURING COMPOUND: INTENT IS FOR TEXTURE TO MATCH CONCRETE SIDEWALK AT WATERFRONT PARK. ADD MIXTURES:

- HIGH RANGE WATER REDUCING AND RETARING ADMIXTURE: ASTM C494.C494M TYPE G.
- HIGH RANGE WATER REDUCING ADMIXTURE: ASTM C494/C494M TYPE F.
- DO NOT USE CHEMICAL THAT WILL RESULT IN SOLUBLE CHLORIDE IONS IN EXCESS OF 0.1 PERCENT BY WEIGHT OF CEMENT.

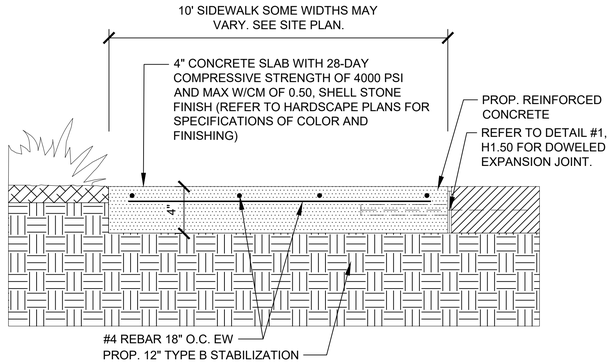
1. A PRE JOB CONFERENCE IS RECOMMENDED BETWEEN OWNER, ENGINEER, LANDSCAPE ARCHITECT, READY-MIX REPRESENTATIVE, AND INSTALLER TO DISCUSS PROJECT APPLICATION AND REVIEW SUBMITTALS.
2. ALL CONCRETE MUST BE BATCHED FROM THE SAME LOCATION.
3. A 10'X10' MOCKUP MUST BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE, SHOWING SHELL STONE (OR ALTERNATIVE) FINISH TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. MOCKUP LOCATION TO BE OFF-SITE AT A LOCATION MUTUALLY AGREED-UPON BY THE CONTRACTOR AND OWNER.
4. PRECAUTIONS MUST BE TAKEN IN HOT WEATHER TO PREVENT PLASTIC CRACKING RESULTING FROM EXCESSIVELY RAPID DRYING AT SURFACE AS DESCRIBED IN CIP 5"PLASTIC SHRINKAGE CRACKING" PUBLISHED BY THE NATIONAL READY MIXED CONCRETE ASSOCIATION.

FINISH:
A. SHELL STONE FINISH

2 CONCRETE SIDEWALK FINISHES

NTS

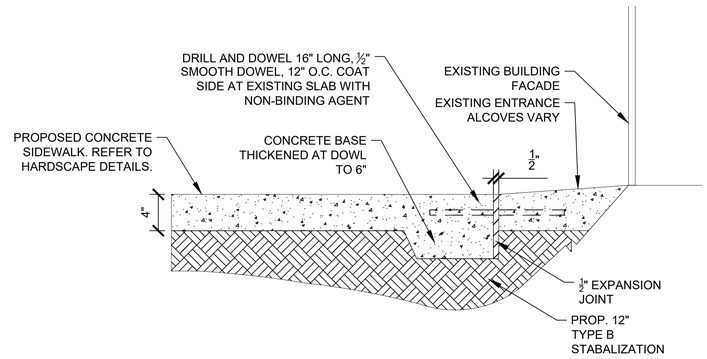
JAX-FE-FBH-15



3 DECORATIVE CONCRETE TREATMENT

6" = 1'-0"

JAX-FE-FBH-34



PRODUCT: SCOFIELD INTEGRAL COLOR SG
MANUFACTURER: SIKA

237 SAND BUFF
237 CORONADO BUFF
447 PRAIRIE BEIGE
447 SCHOONER BEIGE
FINISH: SHELL STONE
SEE HARDSCAPE PLANS FOR SPECIFIC PLACEMENT

CONTRACTOR TO COORDINATE WITH THE PROJECT LANDSCAPE ARCHITECT AND CITY OF FERNANDINA BEACH REPRESENTATIVE FOR FINAL COLOR SELECTION. PROVIDE 6'X6' MOCKUP FOR EACH COLOR OPTION WITH SHELLSTONE TEXTURED FINISH.

4 CENTRE STREET SIDEWALK INTEGRAL COLOR OPTIONS

1" = 10'

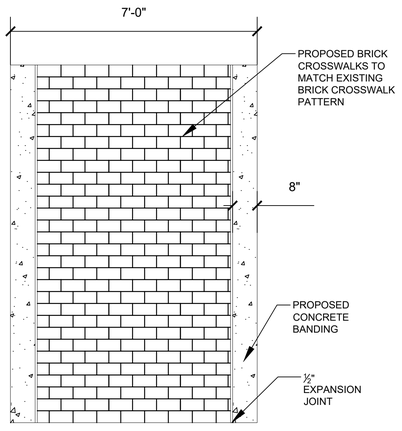
JAX-FE-FBH-41

CONCRETE BAND - STRUCTURAL EDGE:

1. STRENGTH: MINIMUM 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. MIX DESIGN: CONCRETE MIX
3. COLOR: AS SPECIFIED IN DETAIL #4, H1.50
4. EXPANSION JOINT MATERIAL: PRE-MOLDED EXPANSION JOINT FILLER, ½" THICK SUITABLE FOR OUTDOOR USE
5. BONDING AGENT: CONCRETE BONDING ADHESIVE FOR BONDING NEW CONCRETE TO ADJACENT SURFACES AS NECESSARY.
6. CONCRETE BANDING SHALL BE POURED INTO THE FRAMEWORK, ON BOTH SIDES OF PEDESTRIAN BRICK CROSSWALK.

NOTE:

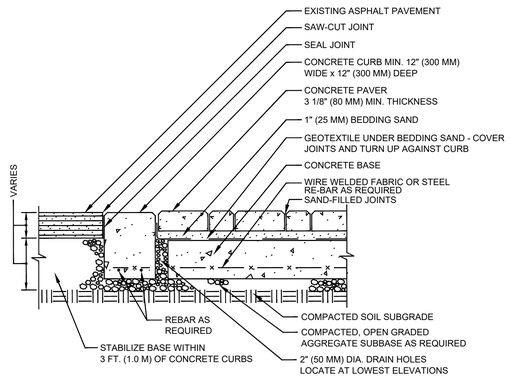
1. EXISTING BRICK CROSSWALKS TO MAINTAIN ITS ORIGINAL PATTERN
2. EXCESS BRICKS REMOVED FOR CONCRETE BANDING SHALL BE RE-PURPOSED FOR PROPOSED BRICK CROSSWALKS.



5 REINFORCED CONCRETE SIDEWALK

1 1/2" = 1'-0"

JAX-FE-FBH-37



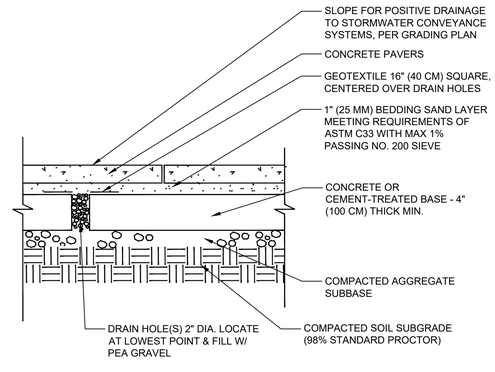
NOTE:

1. BASE THICKNESS AND REINFORCING VARIES WITH TRAFFIC, CLIMATE AND SUBGRADE CONDITIONS.
2. CONCRETE BASE MINIMUM 2% SLOPE FROM CENTERLINE TO CURB.
3. DO NOT PROVIDE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2 FT. (0.6 M) FROM TOP OF SOIL SUBGRADE. PROVIDE DRAIN HOLES TO CATCH BASINS.

6 CONCRETE SIDEWALK ADJACENT TO EXISTING BUILDING ENTRANCE

1 1/2" = 1'-0"

JAX-FE-FBH-40



NOTES:

1. AGGREGATE SUBBASE AND SUBGRADE SOIL MAY REQUIRE DRAINS. DRAINAGE MAY BE ACHIEVED BY EITHER CONTINUOUS 2" WIDE SLOT OR 2" DIA. VOIDS AT 10" O.C./ FILLED WITH PEA GRAVEL AND COVERED WITH GEOTEXTILE.
2. COVER ENTIRE SURFACE OF CEMENT-TREATED BASE WITH GEOTEXTILE TO PREVENT LOSS OF BEDDING SAND IN SHRINKAGE CRACKS.

CONCRETE PAVERS:

STYLE 'A' - 4'X8' BELGARD HOLLAND ANTIQUE RED ADA PAVERS WITH TRUNCATED DOME. PAVERS TO BE LAID IN A RUNNING BOND PATTERN TO MATCH CROSSWALKS.

STYLE 'B' - 18" HEXAGONAL PAVERS SELECTED TO MATCH EXISTING HEXAGONAL PAVERS AS CLOSELY AS POSSIBLE. REFER TO SHEET H1.52, DETAIL 1 FOR PAVER LAYOUT.

NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS AND COLOR SAMPLES FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO CONSTRUCTION AS WELL AS SIEVE ANALYSIS FOR JOINT AND BEDDING SAND.

ALL JOINTS SAND-SWEPT USING POLYMERIC SAND COMPOUND AND WATERED IN PER MANUFACTURER'S SPECIFICATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR SUBGRADE PERORATION PER MANUFACTURER'S SPECIFICATIONS - INSTALL PER ICPI AND MANUFACTURER'S SPECIFICATIONS.

PRIMARY USE IS: CIVILIAN FOOT TRAFFIC

7 CONCRETE BANDING - CROSSWALK

1/2" = 1'-0"

JAX-FE-FBH-44

8 CROSSWALK ON CONCRETE BASE WITH SAND SETTING BED

NTS

DETAIL-FILE

9 CONCRETE PAVERS ON A CONCRETE BASE

NTS

JAX-FE-02

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FL 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.50

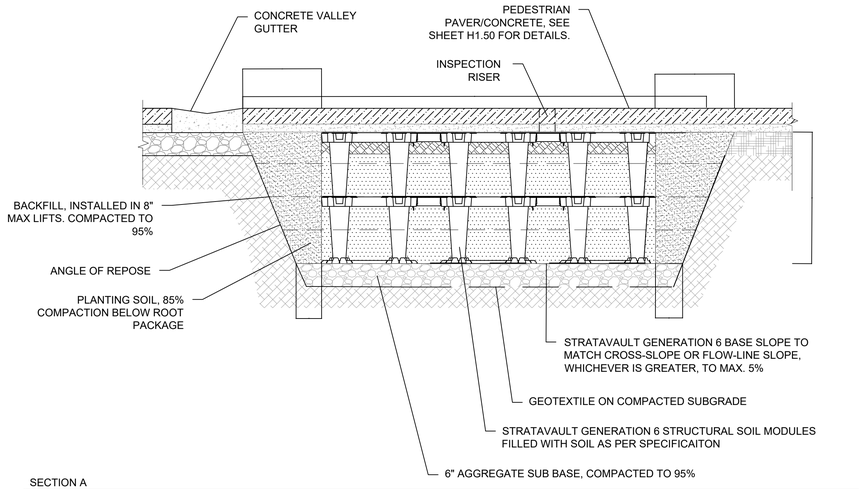
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.50 January 08, 2025 10:33:55am K:\JAX_LA\LP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

CITY GREEN

1. MANUFACTURER:
CITYGREEN
888-999-3990

2. MODEL:
STRATAVAULT

3. PRODUCT TO BE DESIGNED BY MANUFACTURER. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

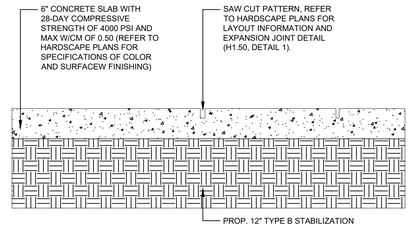


SECTION A
NOT TO SCALE

1 SUSPENDED PAVEMENT

NTS

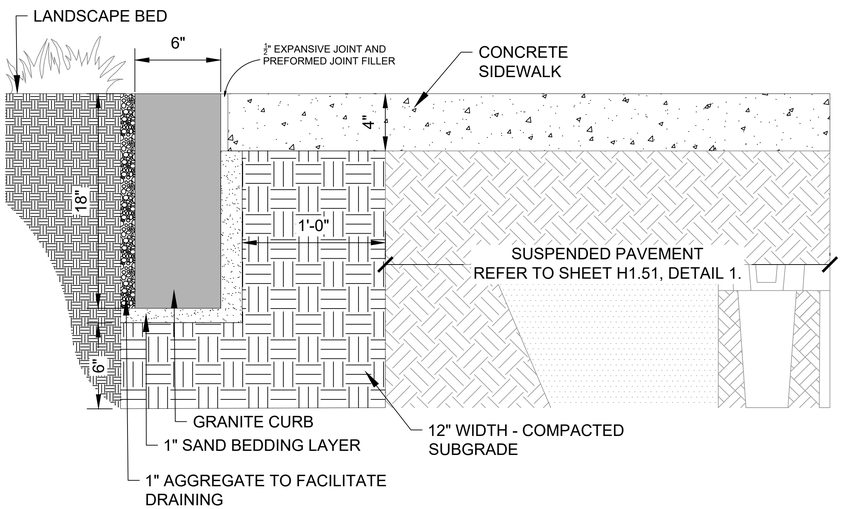
JAX-FE-FBH-48



2 VEHICULAR CONCRETE SECTION

1 1/2" = 1'-0"

JAX-FE-FBH-47



GRANITE CURB INTERFACING SUSPENDED PAVEMENT

- SUBRADE AND BEDDING MATERIAL AROUND SUSPENDED PAVEMENT IS TO BE COMPACTED BUT NOT OVER COMPACTED TO AVOID SOIL COMPACTION WITHIN THE CELLS.
- GRANITE CURB ABUTTING SUSPENDED PAVEMENT SHOULD BE FLUSHED AND DESIGNED TO ACCOUNT FOR OVERFLOWS AND DIRECT WATER TOWARDS DESIRED CATCHMENTS ZONES WITHOUT UNDERMINING SILVA CELLS/ SUSPENDED PAVEMENT.
- WHERE GRANITE CURB MEETS SUSPENDED PAVEMENTS, ANY JOINTS OR TRANSITIONS MUST BE SEALED TO PREVENT SOIL OR DEBRIS INFILTRATIONS.
- INSTALL SUSPENDED PAVEMENT FIRST TO PROTECTED ITS STRUCTURAL INTEGRITY AND ENSURE PROPER SOIL FILLING.
- GRANITE CURB TO HAVE A COMPACTED SUBGRADE AT LEAST 6-12 INCHES WIDER THAN THE CURB BASE ON BOTH SIDES TO PREVENT SETTLING.
- COMPACTED SUBGRADE DEPTH OF 6-8 INCHES.
- A GRANULAR BASE TO BE SELECTED FOR THE STRUCTURAL STABILITY OF THE GRANITE CURB.
- BEDDING LAYER TO BE A 1 INCH THICK LEVELING COURSE OF SAND OVER COMPACTED SUBGRADE FOR PRECISE PLACEMENT.
- COMPACT THE SUBGRADE AND GRANULAR BASE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY (ASTM D698)

3 GRANITE FLUSH CURB INTERFACING SUSPENDED PAVEMENT

2" = 1'-0"

JAX-FE-FBH-49

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

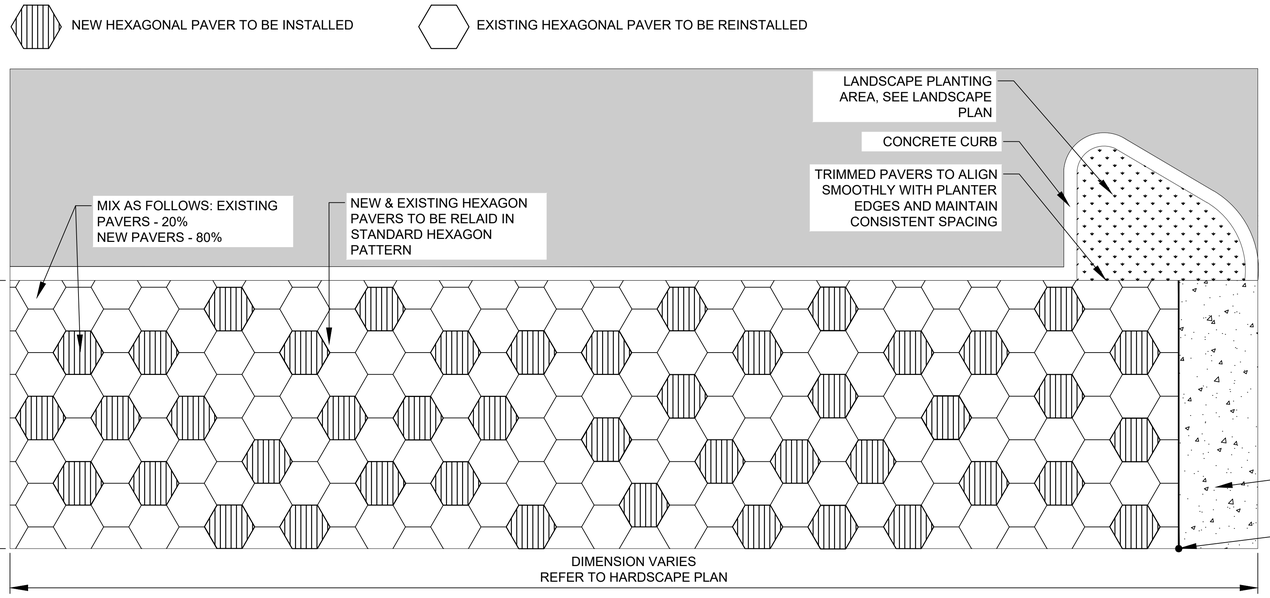
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.51 January 08, 2025 10:34:00am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\color sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTE:

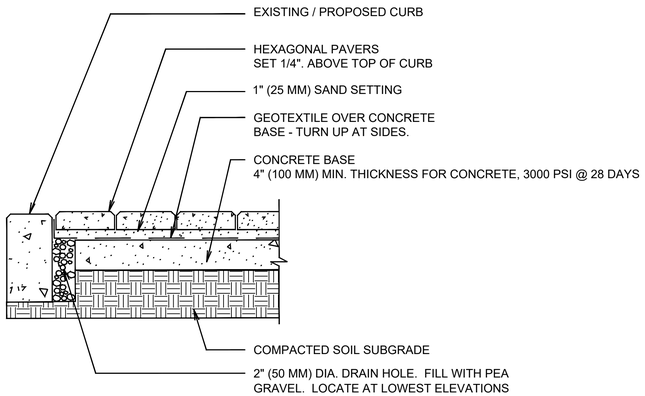
1. FLAT AND SMOOTH INSTALLATION (ADA COMPLIANCE):
- ENSURE ALL PAVERS ARE LAID FLAT AND LEVEL TO CREATE A SMOOTH, CONTINUOUS SURFACE.
- MINIMIZE VERTICAL DISPLACEMENT BETWEEN ADJACENT PAVERS TO NO MORE THAN 1/4 INCH AS PER ADA REQUIREMENTS.
- VERIFY THAT JOINT WIDTHS AND SAND-FILLED JOINTS DO NOT CREATE UNEVEN SURFACES OR TRIPPING HAZARDS.
- CONDUCT PERIODIC SURFACE CHECKS DURING INSTALLATION USING A STRAIGHTEDGE OR LEVEL TO CONFIRM COMPLIANCE WITH ADA SLOPE AND FLATNESS STANDARDS.
- ADDRESS ANY IRREGULARITIES IMMEDIATELY TO MAINTAIN A SAFE, ACCESSIBLE, AND COMPLIANT WALKING SURFACE.
- THIS NOTE EMPHASIZES PRECISION TO MEET ADA STANDARDS WHILE GUIDING THE INSTALLATION TEAM.
- CONTRACTOR TO MIX EXISTING AND NEW PAVERS RANDOMLY AS SHOWN

HEXAGONAL PAVER QUANTITY TO BE REMOVED & RE-USED
EXISTING HEXAGONAL PAVERS (OLD): 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE REMOVED: 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE RE-USED: 1,705 SF
HEXAGONAL PAVERS (NEW PAVERS): 2,342 SF
4" CONCRETE BASE FOR HEXAGONAL PAVERS: 4,047 SF

1 HEX PAVER PATTERN ENLARGEMENT

3/8" = 1'-0"

JAX-FE-FBH-26

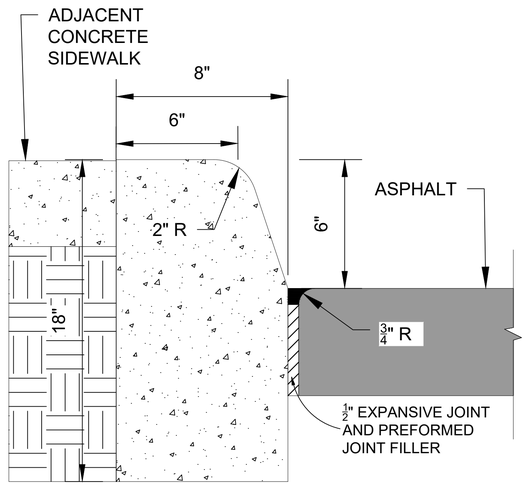


NOTES:
1. THICKNESS REQUIREMENTS WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE. COLDER CLIMATES MAY REQUIRE THICKER BASES.
2. CONSULT ICPI TECH SPEC 2 FOR GUIDELINES ON SPECIFICATIONS FOR BASE MATERIALS, SUBGRADE SOIL AND BASE COMPACTION.

2 HEXAGONAL PAVER ON SIDEWALK

1/16" = 1'-0"

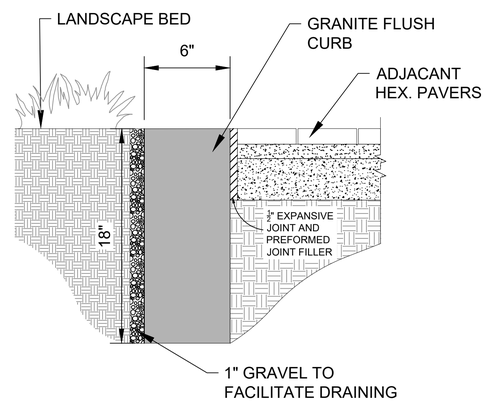
JAX-FE-FBH-35



3 CONCRETE CURB - TYPE 'D'

3" = 1'-0"

JAX-FE-FBH-39



4 GRANITE FLUSH CURB - RELOCATED & REINSTALLED

2" = 1'-0"

JAX-FE-FBH-42

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

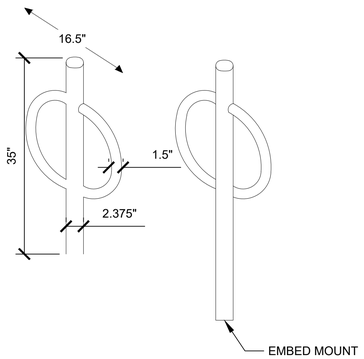
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

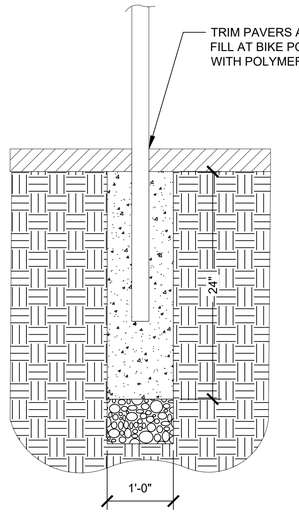
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.52 January 08, 2025 10:34:05am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





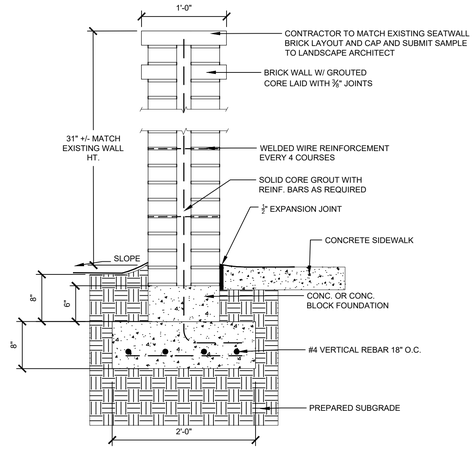
BIKE RACK - CITY OF FERNANDINA BEACH

1. MANUFACTURER: BELSON OUTDOORS
2. MODEL: PAR-2-IG-P GC-238 , STANDARD BOLLARD BIKE RACK WITH OPTIONAL GROUT COVER
3. FINISH: BLACK POWDER-COAT
4. INSTALL OWNER FURNISHED BIKE RACK PER MANUFACTURER'S SPECIFICATIONS, IN GROUND MOUNT
5. BIKE RACKS (NEW) QUANTITY: 20 BIKE RACKS.
6. RE-INSTALL BIKE RACKS EXISTING QUANTITY: 4 BIKE RACKS.

1 BIKE RACK

NTS

JAX-FE-36



2 BRICK SEAT WALL - RELOCATED & REINSTALLED

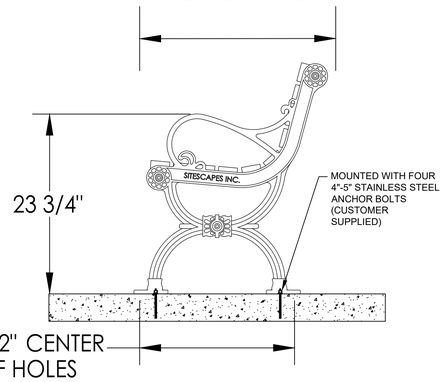
1" = 1"

JAX-FE-FBH-20

SITESCAPES SPECIFICATION: ARLINGTON DECORATIVE CAST END SEATING

(1.1) DESCRIPTION:
SECTIONS INCLUDES INFORMATION, MATERIALS, AND OPTIONS FOR PRODUCTS MANUFACTURES BY STIESCAPES, INC. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS

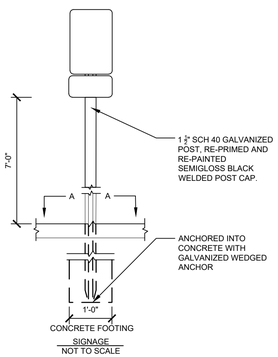
(3.2) INSTALLATION:
BENCHES MAY BE SURFACE MOUNTED USING THE HOLES THAT ARE PREDRILLED IN EACH OF THE FOOTPLATES. BENCHES ARE TO BE MOUNTED WITH FOUR Ø1/2" X 4-5" STAINLESS STEEL ANCHOR BOLTS, WHICH ARE CUSTOMER SUPPLIED. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL PRODUCT IS IN PLACE. THIS SITESCAPES, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.



3 EXISTING BENCH INSTALLATION

1/4" = 1'-0"

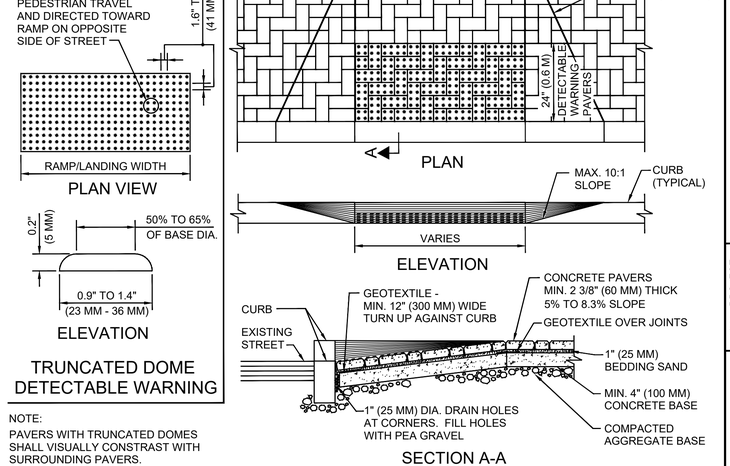
JAX-FE-38



5 SIGN REINSTALLATION

1" = 1'-0"

JAX-FE-24



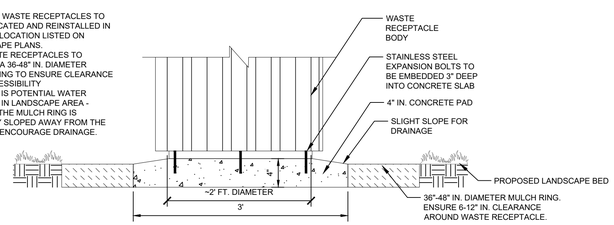
6 CONCRETE CURB RAMP - DETECTABLE WARNING PAVERS

1 1/2" = 1'-0"

JAX-FE-FBH-46

NOTES:

1. EXISTING WASTE RECEPTACLES TO BE RELOCATED AND REINSTALLED IN CHOSEN LOCATION LISTED ON HARDSCAPE PLANS.
2. ALL WASTE RECEPTACLES TO INCLUDE A 36-48" IN. DIAMETER MULCH RING TO ENSURE CLEARANCE FOR ACCESSIBILITY
3. IF THERE IS POTENTIAL WATER POOLING IN LANDSCAPE AREA - ENSURE THE MULCH RING IS SLIGHTLY SLOPED AWAY FROM THE BASE TO ENCOURAGE DRAINAGE.



4 WASTE RECEPTACLE REINSTALLATION

1" = 1'-0"

JAX-FE-FBH-23

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

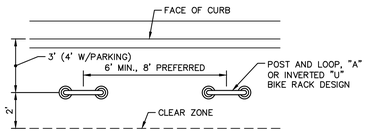
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

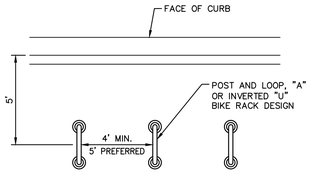
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.53

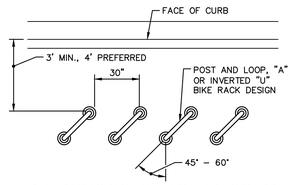
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.53 January 08, 2025 10:34:10am K:\JAX_LALP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



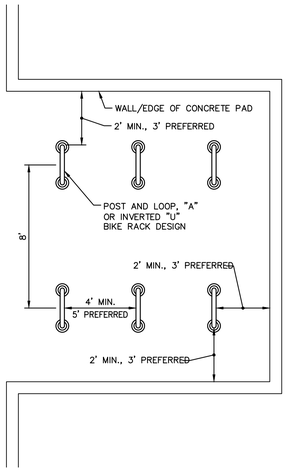
BIKE RACK SPACING - PARALLEL TO CURB



BIKE RACK SPACING - PERPENDICULAR TO CURB



BIKE RACK SPACING - ANGULAR TO CURB

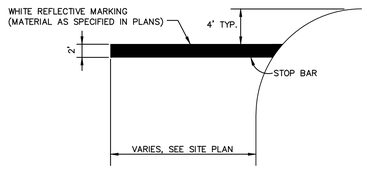


BIKE RACK SPACING - ADJACENT TO WALL

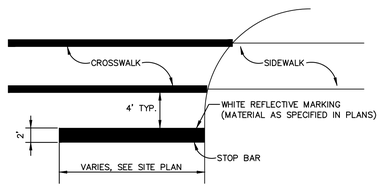
1 BIKE RACK SPACING

NTS

JAX-FE-FBH-50



WITHOUT CROSSWALK

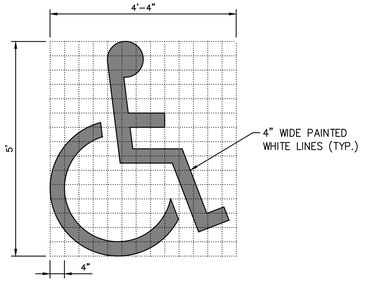


WITH CROSSWALK

3 STOP BAR

NTS

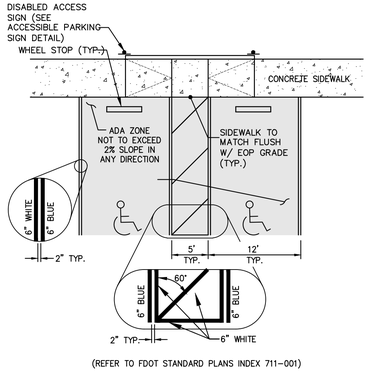
DETAIL-FILE



5 HANDICAPPED PARKING SYMBOL

NTS

DETAIL-FILE



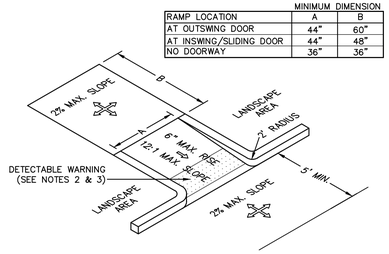
(REFER TO FDOT STANDARD PLANS INDEX 711-001)

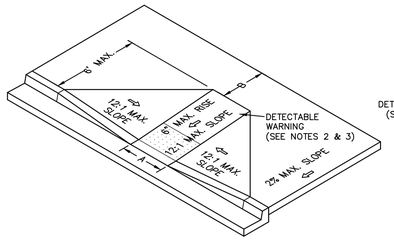
6 ADA PARKING

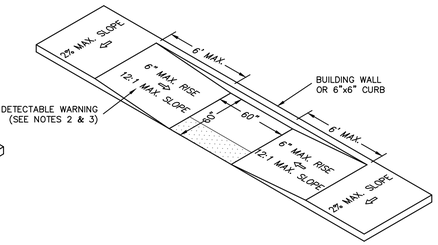
NTS

DETAIL-FILE

RAMP LOCATION	MINIMUM DIMENSION A	MINIMUM DIMENSION B
AT OUTSWING DOOR	44"	60"
AT INSWING/SLIDING DOOR	44"	48"
NO DOORWAY	36"	36"







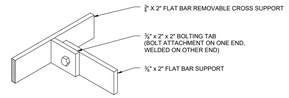
NOTES:

1. ALL CURB CUT ACCESSIBLE RAMPS AND DETECTABLE WARNING SURFACES SHALL BE INSTALLED BY THE SITE CONTRACTOR.
2. CURB RAMPS SUBJECT TO DEPARTMENT OF TRANSPORTATION REGULATION 49 CFR 37.21 SHALL HAVE A DETECTABLE WARNING COMPLYING WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND A MINIMUM OF 24" DEEP (MEASURED FROM THE BACK OF CURB ON THE RAMP SURFACE).
3. ALL DETECTABLE WARNING SURFACES FOR SIDEWALKS AT CURB CUT HANDICAP RAMP SHALL BE A COUNTY APPROVED YELLOW COLORED COMPOSITE MATERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA INSERTS ARE TO BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL CONFORM TO FDOT STANDARD PLANS INDEX 522-002, CODE OF FEDERAL REGULATIONS PART 36, AND CITY OF JACKSONVILLE STANDARDS.

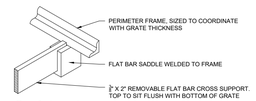
2 ACCESSIBLE RAMP

NTS

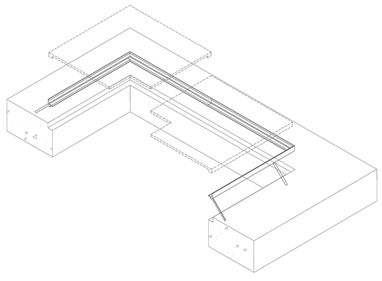
DETAIL-FILE



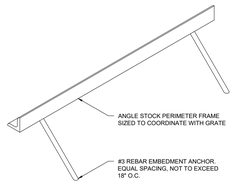
Type S - Isometric
SCALE: NTS



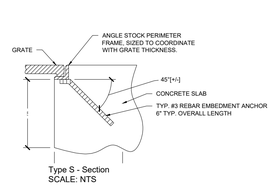
Type S - Isometric
SCALE: NTS



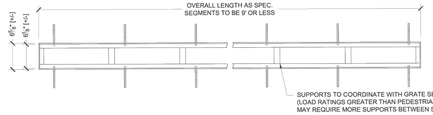
Type S - Exploded Assembly
SCALE: NTS



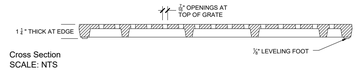
Type S - Isometric
SCALE: NTS



Type S - Section
SCALE: NTS



Example 6" Trench Frame - Plan
SCALE: NTS



Cross Section
SCALE: NTS

TRENCH GRATE:

MATERIAL: 18" X 24" TITLE WAVE TRENCH GRATE BY URBAN ACCESSORIES.

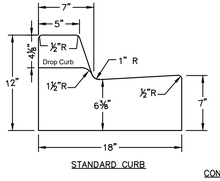
SPECS - TYPE S

TYPE S FRAMES ARE FOR PERMANENT INSTALLS INTO NEW CONCRETE W/O PAVERS. REBAR ANCHORING IS NOT PRE-BENT, BENDING TO BE DONE BY CONTRACTOR PRIOR TO INSTALLATION INTO CONCRETE.

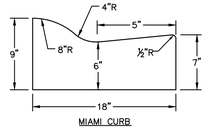
4 TRENCH GRATE

NTS

DETAIL-FILE



STANDARD CURB



MIAMI CURB

CONCRETE QUANTITIES:

CITY STANDARD CURB .0368889 CU. YD./LIN. FT.
MIAMI CURB .0325926 CU. YD./LIN. FT.

7 TRADITIONAL CURBING

NTS

DETAIL-FILE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

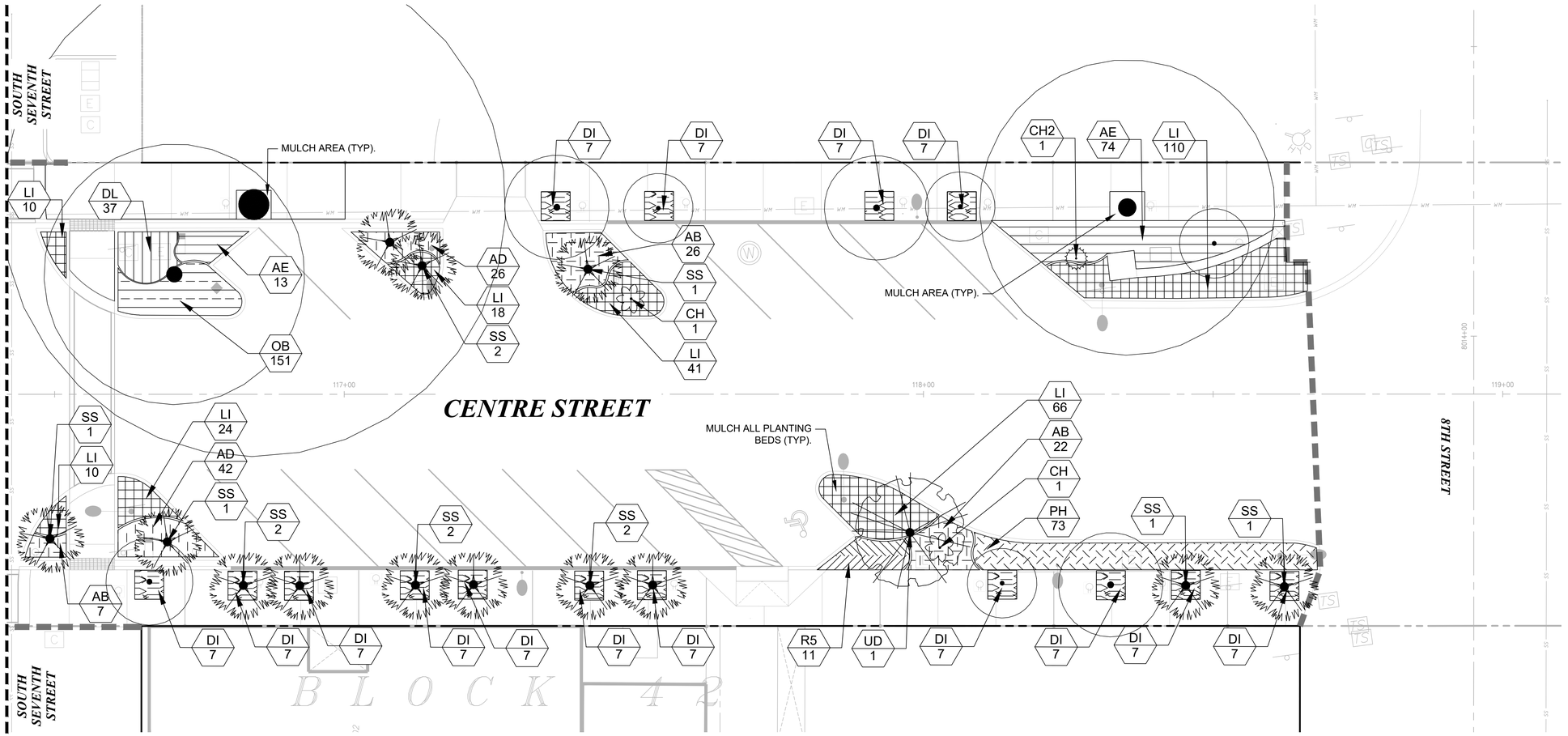
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER H1.54

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.54 January 08, 2025 10:34:54am K:\JAX_LAL\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PLANT SCHEDULE L1.07

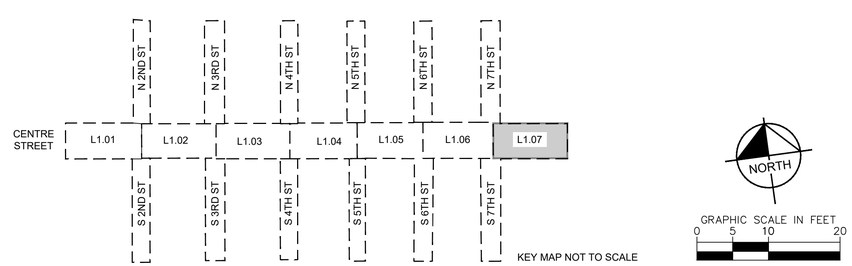
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT	
TREES								
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT	
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT	
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACIN
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			48" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	68	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	87	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	105	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	37	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	279	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	151	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	73	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	RS, LI		ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

TREE LEGEND

EXISTING TREE TO REMAIN

EXISTING PALM TO REMAIN

OFF-SITE TREE TO REMAIN



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	DATE	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
142806005	01/08/2025	AS SHOWN	KHA	ZRF	MAJ

PLANTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: L1.07 January 08, 2025 10:36:40am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	2	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	EO	12	EXISTING LIVE OAK	EXISTING LIVE OAK	CONT.		
	EC	15	EXISTING UNDERSTORY	EXISTING UNDERSTORY	CONT.		
	LM	28	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	XE	17	OFF-SITE TREE	OFF-SITE TREE	CONT.		
	QV	27	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	178	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	10	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	17	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		
	CQ	12	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			
	RE	6	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		
	ZF	18	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		
GROUND COVERS								
	AB	871	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL		24" O.C.
	AD	1,115	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL		24" O.C.
	AE	448	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL		24" O.C.
	DI	387	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL		24" O.C.
	DL	1,201	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL		24" O.C.
	LI	2,885	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL		18" O.C.
	OB	2,714	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"		12" O.C.
	PH	452	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN		24" O.C.
	R5	363	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL		30 O.C.

PLANT SCHEDULE L1.01

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	4	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	3	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	272	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	75	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	114	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	LI	300	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	115	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	56	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.02

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	8	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	4	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	6	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	97	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	267	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	58	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	42	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	234	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	24" o.c.
	LI	629	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	683	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	67	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	84	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.03

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	15	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	3	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	2	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	228	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	206	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	39	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	65	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	192	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	390	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	359	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	75	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	43	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.04

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	3	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	6	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	2	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	1	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	63	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	135	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	DI	28	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	166	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	679	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	128	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	202	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	75	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.05

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	9	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	7	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	101	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	242	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	109	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	349	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	399	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	958	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	35	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	50	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.06

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	2	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	4	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	ZF	3	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	122	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	41	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	35	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	223	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	209	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	320	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	44	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.07

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			48" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	68	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	87	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	105	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	37	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	279	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	151	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	73	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	11	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.08 January 08, 2025 10:36:49am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING SCHEDULE

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.08

TYPICAL PLANTING NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: OBTAINING ALL APPLICABLE PERMITS, FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS SPECIFIED HEREIN.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM CONTRACTOR NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

3. THE CONTRACTOR SHALL SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF THE DEPARTMENT OF TRANSPORTATION (DOT) DESIGN STANDARDS IF A DIRECT APPLICATION OF THE STANDARD IS PROPOSED. THE CONTRACTOR SHALL SUBMIT IN WRITING A STATEMENT INDICATING THE STANDARD INDEX AND PAGE NUMBER NO LESS THAN 10 BUSINESS DAYS PRIOR TO START OF CONSTRUCTION. WHEN A DIRECT APPLICATION OF DOT STANDARD IS NOT ACCEPTABLE A PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A PROFESSIONAL ENGINEER WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC, AS DEFINED BY DOT FOR APPROVAL BY THE COUNTY ENGINEER'S REPRESENTATIVE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON INFORMATION FURNISHED BY THE OWNER OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

5. NOTIFY THE OWNER IMMEDIATELY IF ANY DAMAGES OCCUR TO EXISTING TREES.

6. CALL ONE CALL (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

C. PROTECTION OF EXISTING PLANT MATERIALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC... THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE.

2. SEE TREE MITIGATION PLAN AND NOTES.

D. MATERIALS

1. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY* (OR TAGGED IN NURSERY)
	*IN SOME INSTANCES AN IMAGE TAKEN OF THE PLANT WITH A MEASURING STICK WILL SUFFICE
ROOT BARRIER	NOS SM 2420 ROOT BARRIER (OR APPROVED EQUAL) INSTALL PER MANUFACTURERS' SPECIFICATIONS IN LOCATIONS SHOWN ON PLANS.

2. PLANT MATERIALS

a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE GRADE NO. 1 OR BETTER AS DETERMINED BY THE APPROPRIATE STATE DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.

b. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

c. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:

2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.

b. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.

c. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.

d. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL, MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.

e. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.

2. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

F. WATER

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

* WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

* FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

1. MULCH SHALL BE DOUBLE SHREDDED HARDWOOD MATERIAL
2. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF THREE (3) INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). SEE PLAN FOR MULCH SPECIFICATIONS.

3. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA WITH PINNED WEED BARRIER FABRIC IN EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT (6' MINIMUM) PLANTED UNDER THIS CONTRACT.

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED (B&B), AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROUTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS: ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.

4. RPG="ROOTS PLUS GROWER" CONTAINER PRODUCTS SHALL BE USED WHERE SPECIFIED.

K. MATERIALS LIST

1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION.

2. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

L. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

M. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.

3. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

4. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ONSITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

5. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

6. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

7. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES. ANY DAMAGES CAUSED BY CONTRACTOR WILL BE THE CONTRACTOR'S RESPONSIBILITY.

8. FOLLOW PLANTING SPECIFICATIONS IN PLANTING DETAILS

9. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC.., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

10. TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

11. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6". REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

12. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO ENSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK.

N. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

O. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING TREE GUY SUPPORTS NECESSARY) TO ENSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR OR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

P. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

Q. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

2. ALL TREES ARE REQUIRED TO HAVE 2-YEAR MAINTENANCE AGREEMENT COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

3. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.

4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

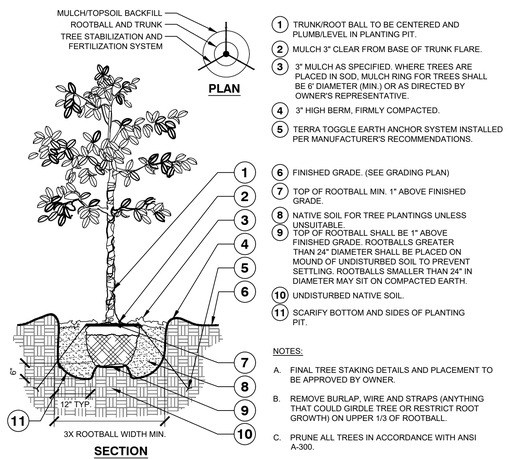
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

PLANTING NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.50 January 08, 2025 10:36:51am K:\JAX_LA\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTES:

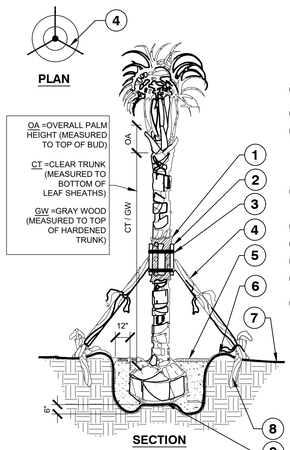
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

1 TREE PLANTING

L-PL-TYP-01



NOTES:

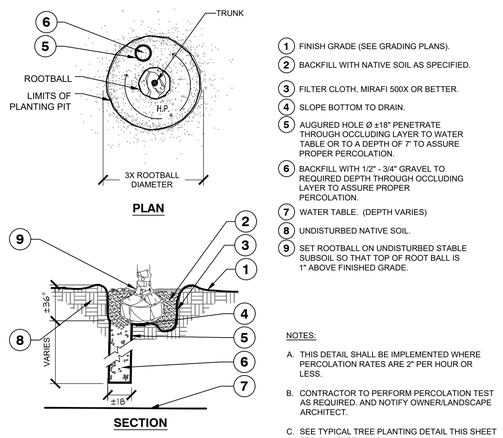
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. ALL TREE STAKING IS TO BE WITHIN MULCH BED AREA OUTSIDE TREE PIT.

C. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION - REFER TO POOR DRAINAGE CONDITION DETAIL.

2 PALM PLANTING AND STAKING

SECTION



NOTES:

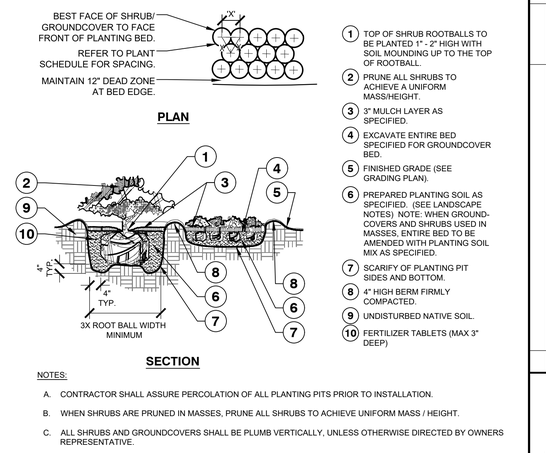
A. THIS DETAIL SHALL BE IMPLEMENTED WHERE PERCOLATION RATES ARE 2" PER HOUR OR LESS.

B. CONTRACTOR TO PERFORM PERCOLATION TEST AS REQUIRED, AND NOTIFY OWNER/LANDSCAPE ARCHITECT.

C. SEE TYPICAL TREE PLANTING DETAIL THIS SHEET FOR PLANT STAKING.

3 POOR DRAINAGE CONDITION

L-PL-TYP-09



NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

4 SHRUB/ GROUNDCOVER PLANTING

L-PL-TYP-03

Model List		
Model #	Height - ft (m)	Caliper - in (mm)
RF0P	Up to 8'	Up to 1.5"
RF0P 4 Leg	Up to 12"	
RF1P	8'-15' (2.5m - 4.5m)	1.5" - 3" (40mm - 75mm)
RF1P 4 Leg	12" - 24" Box	
RF2P	15'-25' (4.5m - 7.5m)	3" - 5.75" (75mm - 150mm)
RF2P 4 Leg	24" - 48" Box	
RF3P	25'-40' (7.5m - 12m)	5.75" - 9.5" (150mm - 230mm)
RF3P 4 Leg	48" - 60" Box	
RF4P	40'+ (12m+)	9.5"+ (230mm+)
RF4P 4 Leg	60" - 84"	
Please contact Platipus representative for boxes over 84"		

5 PLATIPUS TREE ANCHOR WITH DEADMAN FIXING SYSTEM

1" = 10'

JAX-FE-FBP-14

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.51 January 08, 2025 10:36:57am K:\JAX_LALD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

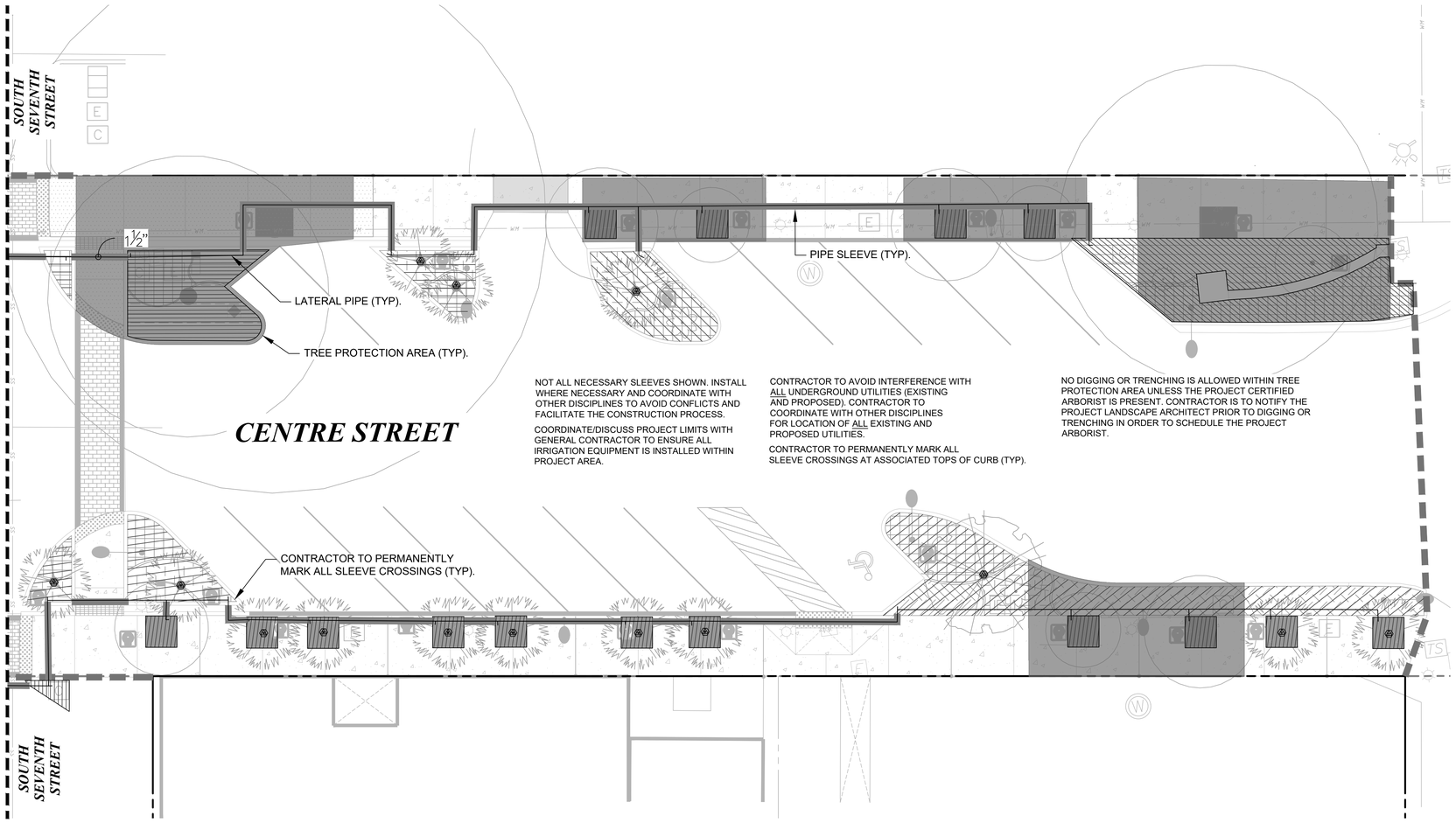
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.51



IRRIGATION SCHEDULE L2.07

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING PALM	11
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

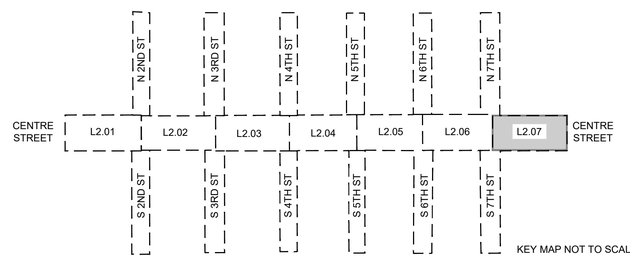
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout
#" — Valve Number
— Valve Flow
#" — Valve Size

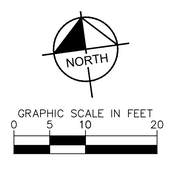
SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)	
PIPE SIZE	SLEEVE SIZE
1"	2"
1 ½"	4"
2"	4"
2 ½"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG.
2. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
3. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.07

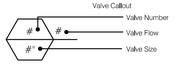
Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.07 January 08, 2025 10:39:07am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SCHEDULE L2.01

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	2
	RAIN BIRD XFCV-06-12 DRIP RING PALM	13
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	7
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



IRRIGATION SCHEDULE L2.02

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	3
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	8
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	3
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

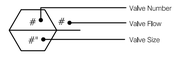
Valve Callout

IRRIGATION SCHEDULE L2.03

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	14
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	2
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

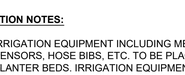


IRRIGATION SCHEDULE L2.04

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	5
	RAIN BIRD XFCV-06-12 DRIP RING PALM	7
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	5
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	3
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

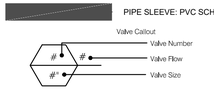


IRRIGATION SCHEDULE L2.05

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	9
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	2
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	2
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	2
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

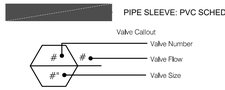


IRRIGATION SCHEDULE L2.06

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	2
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

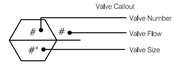


IRRIGATION SCHEDULE L2.07

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING PALM	11
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



VALVE SCHEDULE CENTRE STREET

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PRECIP	TOTAL WATER	RUN TIME
1	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	73.32	33.8	1.44 in/h	0.75 in/h	32 min.
2	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	SPRAY	TBT	TBT	TBT	TBT	TBT
3	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	58.01	34.4	1.44 in/h	0.75 in/h	32 min.
4	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	54.69	33.9	1.44 in/h	0.75 in/h	32 min.
5	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	46.02	33.4	1.45 in/h	0.75 in/h	32 min.
6	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	72.92	36.6	1.44 in/h	0.75 in/h	32 min.
7	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	64.11	32.7	1.44 in/h	0.75 in/h	32 min.

NOTES:

1. IRRIGATION OF NEW LANDSCAPE IS ALLOWED AT ANY TIME OF DAY ON ANY DAY FOR THE INITIAL 30 DAYS AND EVERY OTHER DAY FOR THE NEXT 30 DAYS FOR A TOTAL OF ONE 60-DAY PERIOD, PROVIDED THAT THE IRRIGATION IS LIMITED TO THE MINIMUM AMOUNT NECESSARY FOR ESTABLISHMENT. UPON EXPIRATION OF THIS 60 DAY WINDOW, THE CONTRACTOR IS RESPONSIBLE FOR PROGRAMING THE CONTROLLER TO MEET SJRWMD REQUIREMENTS.
2. THIS SCHEDULE IS PROVIDED FOR CONVENIENCE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ADEQUATE WATERING TO ALL PLANT MATERIAL UNTIL ESTABLISHMENT HAS BEEN REACHED.
3. PROVIDED WATERING SCHEDULE IS PRODUCED BY LAND F/X SOFTWARE FOR SUGGESTED TIMES AFTER ESTABLISHMENT. SCHEDULE MAY VARY BASED ON FIELD CONDITIONS, LANDSCAPE CONTRACTOR TO PROVIDE OWNER WITH ALTERNATIVE WATERING SCHEDULE BASED ON TIME OF PLANTINGS.
5. LANDSCAPE CONTRACTOR TO FOLLOW WATERING SCHEDULE NEEDS BASED ON CHAPTER 40C-2, SUB SECTION 40C-2.042(2) OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT , PERMITTING OF CONSUMPTIVE USES OF WATER. (LISTED BELOW)
SUB SECTION 40C-2.042(2) AFTER ESTABLISHMENT WATERING SCHEDULE DURING DAYLIGHT SAVINGS TIME MAY ONLY OCCUR ON TUESDAYS AND FRIDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. DURING EASTERN STANDARD TIME WATERING SCHEDULE MAY ONLY OCCUR ON TUESDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. MAXIMUM RUN TIME FOR ANY ZONE IS 1 HOUR, AND THE MAXIMUM OUTPUT IS 3/4" PER RUN TIME.

IRRIGATION NOTES:

1. IRRIGATION EQUIPMENT INCLUDING METERS, VALVES, CONTROLLERS, RAIN SENSORS, HOSE BIBS, ETC. TO BE PLACED WITHIN PLANTER BEDS. IRRIGATION EQUIPMENT SHOWN ON SIDEWALK AND STREETS FOR CLARITY ONLY. CONTRACTOR TO VERIFY LOCATION WITH LANDSCAPE ARCHITECT BEFORE INSTALLATION.
2. REFER TO SLEEVING CHART FOR SLEEVE SIZING. ANY MAINLINES OR LATERALS INSTALLED WITHIN VEHICULAR AREAS SHALL BE DOUBLE SLEEVED.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CL01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: L2.08 January 08, 2025 10:39:24pm K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\color sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SPECIFICATION AND NOTES

1. THE SYSTEM SHALL BE DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.

2. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL FIELD VERIFY.

3. CONTRACTOR TO FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.

4. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.

5. IRRIGATION DESIGN IS SCHEMATIC ONLY. FULL AND COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE OWNER'S REPRESENTATIVE.

6. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.

7. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. THE DRAWING SHALL INCLUDE ALL CHANGES MADE TO THE EXISTING IRRIGATION SYSTEM AND ALL NEWLY INSTALLED COMPONENTS INCLUDING ALL SPRINKLERS, STATING BODY TYPES AND NOZZLES, PIPE, INCLUDING SIZES AND THE ENDS OF SLEEVING LOCATIONS AS MEASURED FROM AT LEAST TWO FIXED OBJECTS, CONTROLLER AND WIRE ROUTING. THIS DRAWING MAY BE AN ADAPTATION OF THE IRRIGATION DESIGN WITH ANY CHANGES DRAFTED IN THIS DRAWING. THE DRAWING SHALL ALSO PROVIDE A MINIMUM OF TWO DIMENSIONS TAKEN FROM FIXED OBJECTS TO EACH AUTOMATIC VALVE AND MANUAL CONTROL VALVE. THE AS-BUILT DRAWING SHALL BE DRAWN TO SCALE, PRODUCED IN AUTOCAD OR OTHER DIGITAL DRAFTING PROGRAM, AND DELIVERED AS A PDF AND TWO PRINTED FULL SIZE COPIES.

8. IRRIGATION CONTRACTOR TO PROVIDE POWER SUPPLY TO ELECTRIC CONTROLLERS.

9. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.

10. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS, AS SPECIFIED.

11. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.

12. CONTRACTOR TO COORDINATE LOCATION OF ALL METERS AND BACKFLOW ASSEMBLIES WITH PROJECT OWNER.

13. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.

14. THE CONTRACTOR TO INSTALL PVC PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REVIEW CONSTRUCTION PLANS WITH THE OWNER'S REPRESENTATIVE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO HEAD LINE OR ZONE PLACEMENT.

15. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.

16. ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.

17. SLEEVES UNDER EXISTING PAVEMENT MUST BE DIRECTIONAL BORE. OPEN CUT IS NOT AN OPTION.

18. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.

19. THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR-CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.

20. ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS:

-RECTANGULAR 12"X17" HEAVY DUTY BOX. (PURPLE COVER FOR REUSE TO BE PROVIDED WHERE APPROPRIATE).

21. ALL UNSIZED PIPE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON PLAN. SEE LATERAL PIPE SIZING REQUIREMENTS.

22. EACH TREE AND PALM (AS SHOWN ON THE PLANS) SHALL HAVE A MIN 20 GALLON PER HOUR FLOOD BUBBLER. LOCATE BUBBLER ON THE UPHILL SIDE OF TREES ON ALL SLOPES.

23. ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED ONE (1) FOOT FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).

24. LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2'-0" FROM THE EDGE OF PAVEMENT OR CURB. BACKFLOW, MASTER VALVE, AND FLOW SENSOR SHALL BE A MINIMUM OF 2'-0" FROM BACK OF CURB OR PAVEMENT.

25. IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIPLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.

26. ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND AIR RELIEF VALVE UNLESS THE SPECIFIED DRIPLINE INCLUDES CHECKVALVES. DRIPLINE SHALL PROVIDE 0.9 GPH EMITTERS, 18" O.C. WITH 18" LINE SPACING AT A MINIMUM.

27. IRRIGATION CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL CONTROLLER AND SOIL SENSOR LOCATIONS. THE CONTROLLER SHALL BE PLACED IN A LOCKING CABINET IN THE MOST INCONSPICUOUS AREA APPROPRIATE FOR ITS LOCATION. (INDOOR VS. OUTDOOR USE)

28. CONTRACTOR SHALL PERFORM HYDRO-TESTING OF MAIN LINES.

HYDRO-TESTING TO BE PERFORMED AS LISTED:

THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF TESTING. PRIOR TO BACKFILLING, CONTRACTOR SHALL FILL PIPING WITH WATER, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, TAKING CARE TO PURGE THE AIR FROM IT. A SMALL, HIGH PRESSURE PUMP OR OTHER MEANS OF MAINTAINING A CONTINUOUS WATER SUPPLY SHALL BE CONNECTED TO THE PIPING AND SET SO AS TO MAINTAIN 125 PSI FOR TWO (2) HOURS WITHOUT INTERRUPTION. CONTRACTOR SHALL MAKE ANY NECESSARY CORRECTIONS AND RETEST THE SYSTEM UNTIL THE OWNER'S REPRESENTATIVE IS SATISFIED THAT THE SYSTEM IS REASONABLY SOUND.

29. ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL FOLLOW MANUFACTURERS SPECIFICATIONS. ALL CONTROL WIRE SHALL BE INSTALLED IN A 1-1/4" ELECTRICAL CONDUIT.

30. ALL UNIMPROVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR.

31. INSTALL ALL BACKFLOW PREVENTION DEVICES AND ALL PIPING BETWEEN THE POINT OF CONNECTION AND THE BACKFLOW PREVENTER AS PER LOCAL CODES. FINAL LOCATION SHALL BE DETERMINED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

32. COMMERCIAL LOTS ARE TO UTILIZE SMART IRRIGATION CONTROLLERS WITH SOIL MOISTURE METER SENSORS (SOIL MOISTURE SYSTEMS) TO DETERMINE OPTIMUM MOISTURE LEVELS, SHUT DOWN IRRIGATION, PREVENTING WATER WASTE. THE SOIL MOISTURE SYSTEM SHALL OPERATE AS A PERMISSIVE AND NOT AS A CALL-TO-RUN. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO INSTALL, TEST AND CERTIFY THE SOIL MOISTURE SYSTEM FOR PROPER INSTALLATION AND OPERATION PRIOR TO OCCUPANCY.

33. INSPECT THE CONSTRUCTION SITE BEFORE ANY WORK BEGINS AND FLAG LOCATIONS OF MAINLINE PIPE, SLEEVES, HEADS, AND VALVES FOR REVIEW BY THE OWNER'S REPRESENTATIVE. FLAGS SHALL BE CLEARLY MARKED OR COLORED TO DESIGNATE THE TYPE OF EQUIPMENT TO BE INSTALLED AT THAT POINT. INSTALLATION SHALL NOT COMMENCE UNTIL THE STAKING/FLAGGING HAS BEEN APPROVED.

34. PROVIDE A MINIMUM DEPTH OF COVER OF 18 INCHES FOR ALL MAIN LINE PIPE AND 12 INCHES OF COVER FOR ALL ZONE PIPE AS MEASURED FROM FINISH GRADE.

35. PROVIDE THE MINIMUM DEPTH OF COVER, AS SPECIFIED ABOVE, OVER THE TOP OF THE PIPE BEFORE THE TRENCH IS WHEEL-LOADED.

36. PROVIDE INITIAL BACK FILL MATERIAL THAT IS FINE-GRAINED MATERIAL FREE FROM COMPACTED EARTH GREATER THAN 2 INCHES IN DIAMETER, ROCKS, OR STONES.

37. TAMP THE BACK FILL IN LAYERS NOT TO EXCEED 6 INCHES. LIFT AND COMPACT FIRMLY AROUND THE PIPE AND UP TO AT LEAST 6 INCHES ABOVE THE TOP-OF-PIPE. SUFFICIENTLY MOISTEN THE BACK FILL TO PERMIT THROUGH COMPACTION UNDER AND ON EACH SIDE OF THE PIPE TO PROVIDE SUPPORT FREE FROM VOIDS. AVOID DEFORMING, DISPLACING, OR DAMAGING THE PIPE DURING THIS PHASE OF THE OPERATION. ENSURE THAT WHEN FINISHED, THE SOIL COMPACTION EQUALS THE ORIGINAL CONDITION.

38. SQUARE CUT, CLEAN, AND PIPE ALL JOINTS BEFORE CEMENTING. FULLY ENGAGE ALL JOINTS WHILE CEMENTING. PVC FITTINGS: MAKE ALL SOLVENTS WELD JOINTS IN ACCORDANCE WITH ASTM D2855. PRIME ALL FITTINGS WITH PURPLE PRIMER BEFORE MAKING SOLVENT WELD CONNECTIONS. ALLOW SOLVENT-WELDED JOINTS AT LEAST 1 HOUR TO SET UP BEFORE MOVING OR HANDLING. DO NOT PERMIT WATER IN THE PIPE FOR AT LEAST 24 HOURS AFTER MAKING A SOLVENT WELD ON THAT PIPE UNLESS RECOMMENDED OTHERWISE BY THE SOLVENT CEMENT MANUFACTURER. SEAL ALL THREADED PVC FITTINGS WITH LIQUID TEFLON EXCEPT SPRINKLER HEADS, ELECTRIC VALVE CONNECTIONS, AND SWING JOINTS. INSTALL ALL OF THESE EXCEPTIONS USING 1-INCH TEFLON TAPE.

39. FLUSH ALL PIPELINES BEFORE SPRINKLERS ARE INSTALLED. MAINTAIN A MINIMUM PIPE VELOCITY OF 3 FEET PER SECOND AND FLUSH FOR A MINIMUM TIME OF: T = 2L/3 WHERE T = TIME IN SECONDS AND L = PIPE LENGTH IN FEET FROM INLET POINT TO MOST DISTANT POINT IN THE PIPELINE.

40. INSTALL WIRING IN THE SAME TRENCH AND ALONG THE SAME ROUTE AS AND UNDERNEATH THE MAIN LINE EXCEPT IN LOCATIONS WHERE THE WIRE WILL PASS UNDER PAVING. AT THOSE LOCATIONS, INSTALL THE WIRE INSIDE A PVC SLEEVE. INSTALL CONTROL WIRING THROUGH WALLS, FLOORS, AND SLABS IN PVC SLEEVES.

41. USE UL UF WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS. USE RED #14 AWG WIRE FOR ALL VALVE POWER WIRES. USE WHITE #14 AWG WIRE FOR ALL VALVE COMMON WIRES. USE #14 OR LARGER TWISTED SHIELDED PAIR WIRE FOR ALL TWO-WIRE APPLICATION ON THIS SYSTEM. USE 5/8" OR LARGER COPPER GROUND RODS, COPPER GROUNDING PLATES, CADWELD "ONE SHOT" CONNECTORS AND #6 OR LARGER BARE COPPER WIRE FOR ALL GROUNDING APPLICATIONS FOR THIS SYSTEM. INSTALL GROUNDING AT THE CONTROLLER, ALL DECODER LOCATIONS, AND ALL TERMINATIONS OF THE TWO-WIRE SYSTEM.

42. THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE IN ADVANCE THAT EACH ITEM IS READY FOR INSPECTION AS INDICATED BELOW:

A. FLAGGED UNDERGROUND MAINLINE PIPING, SLEEVES, SPRINKLER AND VALVE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION - NOTIFY 48 HOURS IN ADVANCE.

B. SPRINKLER COVERAGE TEST - NOTIFY 48 HOURS IN ADVANCE.

C. FINAL INSPECTION - NOTIFY 48 HOURS IN ADVANCE.

42. THE CONTRACTOR SHALL ISSUE TO THE OWNER OR OWNER'S REPRESENTATIVE A CERTIFICATE OF WARRANTY OF THE IRRIGATION SYSTEM FOR A PERIOD OF NOT LESS THAN 1 YEAR ON ALL SPRINKLERS, VALVES, THE CONTROLLER, AND THE CONTRACTOR'S LABOR.

43. SUPPLY TO THE OWNER ALL INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING AND ELECTRICAL-RELATED EQUIPMENT, BOUND IN ONE FOLDER. FURNISH THE OWNER WITH ANY KEYS FOR LOCKABLE ITEMS ON THIS SYSTEM.

44. ENSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPE AREAS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING THE INSTALLATION.

45. ALL APPLICABLE CODES SHALL TAKE PRECEDENCE OVER THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFFER TO CO.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

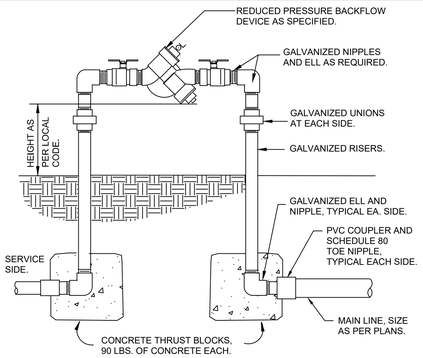
IRRIGATION NOTES

FERNANDINA BEACH STREETSCAPE
IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

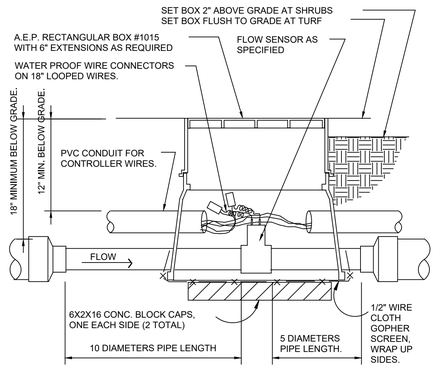
SHEET NUMBER
L2.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.50 January 08, 2025 10:39:26am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



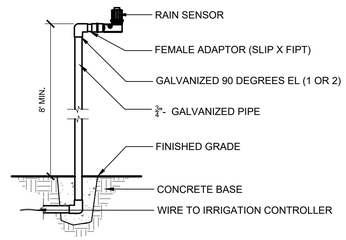
1 REDUCED PRESSURE BACKFLOW DEVICE

1" = 1'-0" L-IR-BAC-03



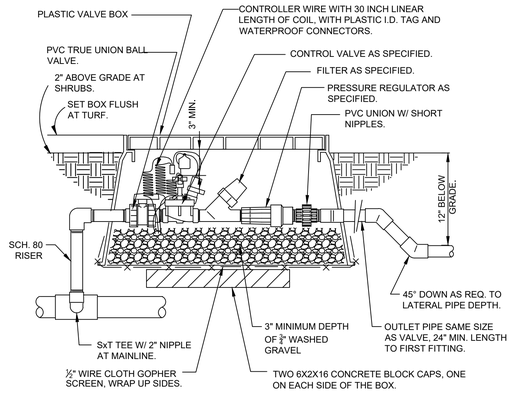
2 FLOW SENSOR ASSEMBLY

NTS L-IR-SEN-01



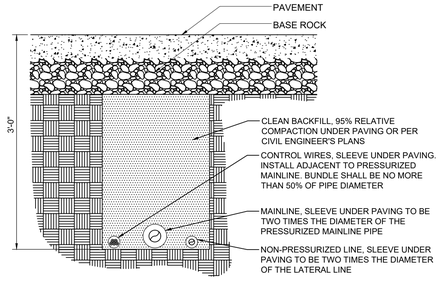
3 RAIN SENSOR- POLE MOUNT

SECTION NTS



4 REMOTE CONTROL VALVE (DRIP)

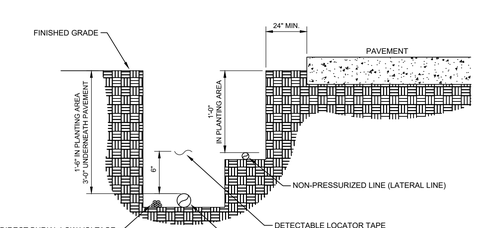
NTS L-IR-DRI-05



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE.
2. ALL SLEEVES SHALL BE SCH. 200 PVC PIPE.
3. ALL SLEEVES SHALL EXTEND 12" BEYOND THE EDGE OF PAVEMENT.
4. END OF SLEEVES SHALL BE LOCATED WITH A WOODEN STAKE OR PVC PIPE. LOCATORS SHALL RUN CONTINUOUSLY FROM THE END OF THE SLEEVE TO FINISHED GRADE.

5 TYPICAL IRRIGATION SLEEVING

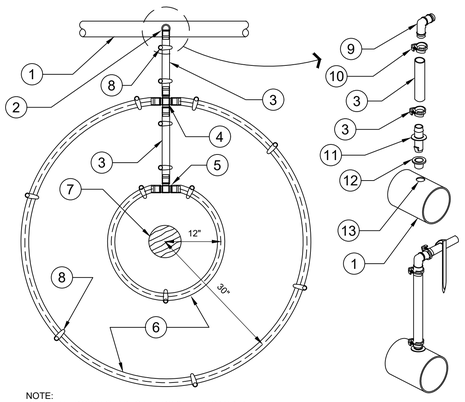
L-IR-EQU-03



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
2. SLEEVING IS REQUIRED AS SHOWN ON PLAN.
3. DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

6 IRRIGATION TRENCHING

NTS L-IR-EQU-10

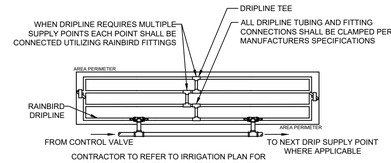


NOTE:
PLACE TIE DOWN STAKES EVERY 3 FT. IN SAND, 4 FT. IN LOAM, AND 5 FT. IN CLAY, AS WELL AS AT ALL CHANGE OF DIRECTION SUCH AS AT TEES OR ELLS.

DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL

7 TYPICAL DRIP IRRIGATION

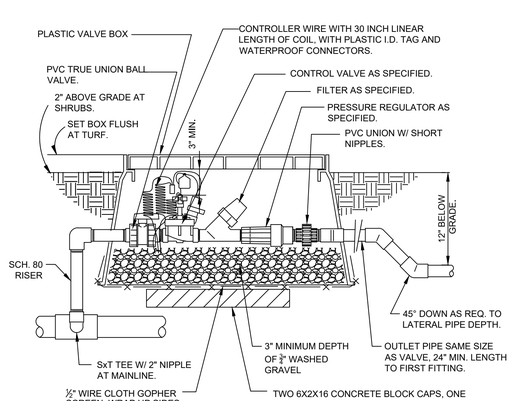
NTS L-IR-DRI-25



CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS.

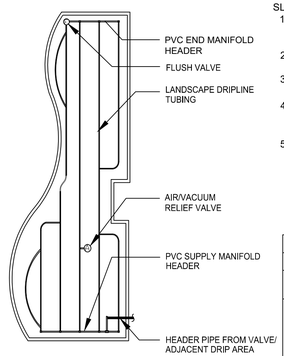
NOTE
1. DRIP TUBING TO BE ROUTED IN THE PLANT MATERIAL BED WITH AT MAXIMUM LATERAL SPACING OF 16 INCHES.
2. DRIP TUBING TO BE INSTALLED IN A GRID PATTERN. DRIP TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.
3. INSTALL WITH AIR RELIEF VALVE, OPERATION INDICATOR AND FLUSH VALVE. INSTALL ALL UNDERGROUND EQUIPMENT IN 12" ROUND VALVE BOX.

1. LATERAL SUPPLY PIPE, SEE PLAN.
2. DRIPLINE CONNECTION TO BELOW GRADE LATERAL PIPE, SEE DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL (TYPICAL CONDITION).
3. POLYETHYLENE TUBING SEE PLAN FOR SIZING.
4. BARB CROSS INSERT FITTING.
5. BARB TEE INSERT FITTING.
6. AT-GRADE DRIPLINE, INNER RING 12" FROM PLANT, OUTTER RING 30" FROM PLANT. DRIPLINE AS SPECIFIED ON PLAN.
7. PLANT TRUNK.
8. TYPICAL ANTELCO ASTA TIE-DOWN STAKE, SEE NOTE.
9. DRIPLINE BARBED INSERT ELL.
10. RATCHET CLAMP AT ALL BARBED CONNECTIONS, ANTELCO PART NO. 44345.
11. INSERT ADAPTER, ANTELCO "XPANDO" PART NO. 45595.
12. ANTELCO "CAPO: RUBBER GROMMET, NO. 45735.
13. DRILL 5/8" HOLE IN PVC LATERAL PIPE WHERE REQUIRED. YOU MUST USE A "FORSTNER" DRILL BIT FOR DRILLING INTO PVC. REMOVE ANY EXCESS BURRS OR ROUGH EDGES.



8 REMOTE CONTROL VALVE (DRIP)

NTS JAX-O9-05



SLOPE CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP 2/3 OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 1/3 OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM 1/3 ON A SEPARATE VALVE.

MAXIMUM LATERAL LENGTH (FEET)	
EMITTER FLOW RATE GPH	
PSI	18" SPACING 0.6
15	314
20	353
30	413
40	465
50	528
60	596

9 TYPICAL DRIPLINE LAYOUT

NTS JAX-O9-27

10 TREE RING DRIPLINE IRRIGATION

N.T.S. JAX-O9-04

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO CO.01 SIGNATURE SHEET

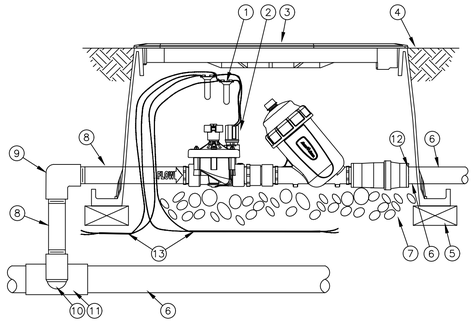
KHA PROJECT 142806005	
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.51 January 08, 2025 10:39:31am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

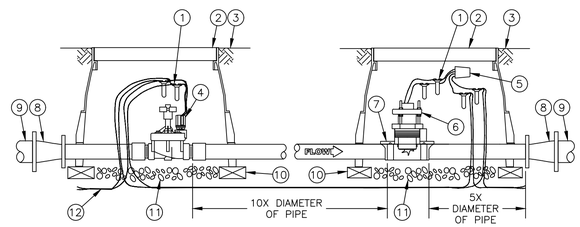


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. THE LCDR KIT INCLUDES A PESB-R VALVE AND DISC FILTER FOR RECLAIMED WATER USE.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20 (TWO REQUIRED)
2. RAIN BIRD DRIP KIT: XCZ-150-LCDR WITH IVM-SOL
3. VALVE BOX WITH COVER: RAIN BIRD VB-JUMBO
4. FINISH GRADE OR TOP OF MULCH
5. BRICK (1 OF 4)
6. PVC PIPE
7. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
8. PVC SCH 80 NIPPLE 1 1/2"
9. PVC SCH 80 ELBOW
10. PVC SCH 80 NIPPLE (2" LENGTH, HIDDEN) AND PVC SCH 80 ELBOW
11. PVC SCH 80 TEE OR ELBOW
12. PVC SCH 40 MALE ADAPTER
13. TWO-WIRE CABLE BETWEEN DEVICES

1 XCZ-150-LCDR WITH IVM-SOL

NTS JAX-09-20



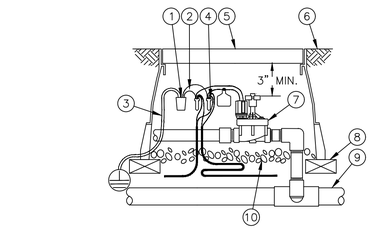
NOTE:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20
2. VALVE BOX WITH COVER: RAIN BIRD VB-STD
3. FINISH GRADE/TOP OF MULCH
4. NORMALLY CLOSED MASTER VALVE: RAIN BIRD PEB OR PGA WITH IVM
5. RAIN BIRD IVM-SEN
6. FLOW SENSOR: RAIN BIRD FS SERIES
7. DOUBLE-STRAP SADDLE
8. CONCENTRIC REDUCER
9. PVC MAINLINE PIPE
10. BRICK (1 OF 4)
11. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
12. TWO-WIRE CABLE BETWEEN DEVICES

NOTE:
1. REFER TO RAIN BIRD TECHNICAL DATA FOR FLOW SENSOR INSTALLATION BASED ON PIPE SIZING PARAMETERS.

2 MASTER VALVE WITH IVM-SOL AND FLOW SENSOR WITH IVM-SEN

NTS JAX-09-19

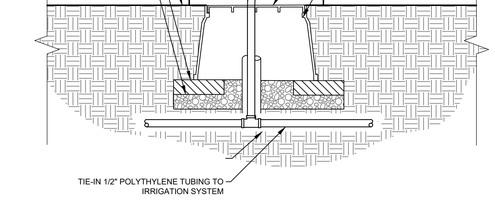


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. ONE IVM-SD IS REQUIRED EVERY 500 FEET OR EVERY 15 FIELD DEVICES.

1. RAIN BIRD IVM-SD SURGE DEVICE
2. CONNECT THE RED AND BLACK WIRES ON THE IVM-SD TO THE TWO-WIRE PATH
3. CONNECT THE GREEN WIRES FROM THE IVM-SD TO THE GROUNDING ROD OR PLATE
4. WATERPROOF CONNECTION RAIN BIRD WC20 (TWO REQUIRED)
5. VALVE BOX WITH COVER: RAIN BIRD VB-STD
6. FINISH GRADE/TOP OF MULCH
7. ELECTRIC REMOTE-CONTROL VALVE
8. BRICK (1 OF 4)
9. PVC MAINLINE PIPE
10. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
11. TWO-WIRE CABLE BETWEEN DEVICES

3 ELECTRIC REMOTE-CONTROL VALVE WITH IVM-SOL AND IVM-SD (SURGE DEVICE)

NTS JAX-09-18



4 DRIP RING IN PLANTER

NTS JAX-FE-24

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETIALS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L2.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.52 January 08, 2025 10:39:36am K:\JAX_LAI\PV\142806005 — fernandina beach streetscape\working files\CAD\xlsx sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL NOTES:

1. THE SUBMISSION OF A BID BY THE CONTRACTOR IS NOTIFICATION THAT THE CONTRACTOR HAS TOTALLY FAMILIARIZED HIMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING SITE CONDITIONS AND HAS AGREED TO PROVIDE THE NECESSARY LABOR AND MATERIAL FOR THE COMPLETE INSTALLATION OF EACH SYSTEM IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST PRACTICES OF THE INDUSTRY AND IN COMPLIANCE WITH ALL AUTHORITIES HAVING JURISDICTION.
2. THESE DRAWINGS ARE PRESENTED TO THE CONTRACTOR WITH THE UNDERSTANDING THAT THE CONTRACTOR IS AN EXPERT AND COMPETENT IN THE PREPARATION OF CONTRACT BID PRICES ON THE BASIS OF INFORMATION SUCH AS IS CONTAINED IN THESE DOCUMENTS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION AND IN COMPLETE CONFORMANCE WITH ALL APPLICABLE CODES, RULES, AND REGULATIONS. MINOR ITEMS NOT USUALLY SHOWN OR SPECIFIED, BUT MANIFESTLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE VARIOUS SYSTEMS, SHALL BE INCLUDED IN THE WORK AND IN THE PROPOSAL THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO DEPARTURES SHALL BE MADE WITHOUT PRIOR APPROVAL.
3. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.
4. THE DRAWINGS INDICATE ARRANGEMENTS AND APPROXIMATE SIZES AND RELATIVE LOCATIONS OF PRINCIPAL APPARATUS, EQUIPMENT, DEVICES, AND SERVICES TO BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND ARE A GRAPHIC REPRESENTATION OF CONTRACT REQUIREMENTS BASED ON THE INFORMATION PROVIDED BY THE MANUFACTURER IDENTIFIED IN THE EQUIPMENT SCHEDULE AT THE SCALE INDICATED.
5. LAYOUT OF EQUIPMENT INDICATED ON THE DRAWINGS SHALL BE CHECKED AND COMPARED AGAINST ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND EXACT LOCATIONS DETERMINED USING APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT. WHERE PHYSICAL INTERFERENCES OCCUR, CONSULT WITH THE OWNER AND PREPARE DATED, DIMENSIONED DRAWINGS COORDINATED WITH ALL OTHER TRADES WORKING IN THIS AREA AND CORRECTING SUCH INTERFERENCE.
6. THE CONTRACTOR SHALL SCHEDULE THEIR WORK IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE SO THAT ALL OF THEIR WORK CAN BE INSTALLED WITHOUT DELAYING THE PROJECT. ALL WORK RELATED TO SHUTDOWN OF EXISTING SERVICES SHALL BE PERFORMED AT THE HOURS DESIGNATED BY THE OWNER WITH ALL ASSOCIATED COSTS BORNE BY THE CONTRACTOR AT NO COST TO THE OWNER. PROVIDE ANY TEMPORARY FACILITIES REQUIRED TO PERMIT OWNER'S USE OF EXISTING FACILITIES AND SYSTEMS TO REMAIN UNDISTURBED. COORDINATE ALL WORK, INCLUDING ALL SHUTDOWNS THAT AFFECT SYSTEMS AND/OR PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION, WITH OWNER.
7. THE CONTRACTOR SHALL SECURE AND PAY ALL FEES, LICENSES, INSPECTIONS, AND PERMITS PERTAINING TO THE CONTRACT. SUBMIT TO OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM APPROVED INSPECTION AGENCY.
8. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORKMEN'S IDENTIFICATION AND BADGING, SAFETY AND FIRE PROTECTION, BARRICADES, WARNING SIGNS, TRASH REMOVAL, CUTTING AND PATCHING.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND WITHOUT BLEMISH OR DEFECT. ALL EQUIPMENT INSTALLED SHALL BEAR THE LABEL OF AN APPROVED AGENCY.
11. THE CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT, AND TRANSFER TO POINT OF INSTALLATION FOR ALL FURNISHED ITEMS.
12. WHERE CONDUIT, CABLES, DUCTWORK, OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE PENETRATION SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THIS SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER TO MAINTAIN THE UL LISTED FIRE RATING OF THE PENETRATED WALL OR FLOOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB OPENINGS, WALL OPENINGS, BEAM PENETRATIONS, AND CORING AS IT RELATES TO THEIR WORK. THE CONTRACTOR SHALL SUBMIT SIZE AND LOCATION FOR REVIEW AND APPROVAL.
14. ALL EXTERIOR WALL OPENINGS SHALL BE SLEEVED, PROPERLY CAULKED, AND SEALED WITH A HIGH QUALITY SEALANT TO PREVENT INFILTRATION OF MOISTURE AND OUTSIDE AIR.
15. THE CONTRACTOR SHALL SUBMIT SCHEDULE OF SUBMITTALS PRIOR TO SUBMITTING ANY SHOP DRAWINGS, ETC. TO BE SUBMITTED FOR THIS PROJECT, INCLUDING THE ANTICIPATED DATE OF EACH SUBMISSION. CONTRACTORS SHALL SUBMIT AN ELECTRONIC COPY OF THE COMPLETE SHOP DRAWINGS AND CATALOG CUTS, WIRING DIAGRAMS AND ASSOCIATED DATA TO THE OWNER FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT OR STARTING ANY WORK. ANY WORK INSTALLED OR EQUIPMENT PURCHASED PRIOR TO RECEIPT OF OWNER APPROVED SUBMITTALS SHOP DRAWINGS THAT REQUIRES CHANGES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
16. SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE CONTRACTOR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS.
17. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL SUPPLY THE OWNER WITH (3) COMPLETE BOUND COPIES OF ALL OWNER APPROVED SUBMITTALS AND ALL OPERATION AND MAINTENANCE MANUALS
18. ALL WORK FURNISHED UNDER THE CONTRACT SHALL BE GUARANTEED AGAINST ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION, UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS, AND ANY DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED AND ANY DEFECTIVE MATERIAL REPLACED WITHOUT ADDITIONAL COST TO THE OWNER.
19. INSTALLED SYSTEMS SHALL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT SOUND OR VIBRATION THAT IS OBJECTABLE TO THE OWNER, OBJECTABLE SOUND OR VIBRATION CONDITIONS DUE TO WORKMANSHIP SHALL BE CORRECTED IN APPROVED MANNER BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
20. THE CONTRACTOR SHALL SIMILARLY NOTIFY OWNER OF COMPLETION OF ALL WORK, INDICATING THE CONTRACTOR IS READY FOR THE OWNER TO PERFORM THE FINAL PUNCHLIST INSPECTION.
21. UPON COMPLETION OF ALL UNFINISHED OR FAULTY WORK NOTED IN THE OWNER'S FINAL PUNCH LIST, THE CONTRACTOR SHALL SUBMIT TO THE OWNER IN WRITING A LETTER OF COMPLETION CERTIFYING THAT ALL PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ALL AS-BUILTS, MANUALS, ETC. HAVE BEEN SUBMITTED.
22. SHOULD A CONTRACTOR REQUIRE REMOVAL, RELOCATION, OR REROUTING OF ANOTHER TRADE'S WORK THAT IS NOT INDICATED ON DRAWINGS, THE CONTRACTOR REQUIRING SUCH WORK SHALL BE RESPONSIBLE FOR THAT WORK, AND PAY ALL REQUIRED COSTS.
23. ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEMS, EQUIPMENT, AND MATERIALS SHALL BE REVIEWED WITH THE OWNER BEFORE BEGINNING WORK.
24. DEFINITION: UNLESS OTHERWISE NOTED, ALL WORK SPECIFIED HEREIN OR NOTED ON DRAWINGS, SHALL BE BY THE CONTRACTOR. THE TERM "PROVIDE" WHENEVER ENCOUNTERED ON DRAWINGS OR IN THESE SPECIFICATIONS, SHALL MEAN "FURNISH AND INSTALL."
25. CODES AND STANDARDS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND FIRE INSURANCE CARRIER'S REQUIREMENTS.
26. MATERIALS: ALL MATERIALS FURNISHED BY THIS CONTRACTOR, SHALL BE NEW AND BEAR THE LABEL OR LISTING OF A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.
27. OUTLET AND SWITCH BOXES: PROVIDE AND INSTALL OUTLET BOXES OF PROPER TYPE AND SIZE AS REQUIRED AT ALL OUTLETS WHERE SHOWN. SECURED FIRMLY IN PLACE AND SET TRUE AND SQUARE AND FLUSH WITH THE FINISHED SURFACE.
28. WIRING: WIRES SHALL BE COPPER AND RATED FOR THE LOCATIONS IN WHICH THEY ARE INSTALLED. ALL RACEWAYS ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION TO BE DETERMINED ON THE JOB. CONTRACTOR SHALL ARRANGE ALL NEW CIRCUITS IN PANELS SO AS TO BALANCE THE LOAD ON ALL PHASES.
29. A TYPED DIRECTORY CARD SHALL BE PROVIDED IN EACH PANEL WITH ADDED CIRCUITS TO INDICATE THE LOADS ACTUALLY SERVED.
30. GROUNDING: SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 250. PROVIDE GROUND WIRES AS REQUIRED AND RESIZE CONDUIT IF NECESSARY.
31. DEMONSTRATION OF COMPLETE ELECTRICAL SYSTEMS: UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF APPROVAL FROM THE RESPECTIVE INSPECTION AGENCIES. CONTRACTOR SHALL NOTIFY AND MAKE ALL THE NECESSARY ARRANGEMENTS WITH THE INSPECTING AGENCY AND LOCAL AUTHORITIES SO THAT INSPECTION MAY BE CARRIED OUT AT THE PROPER TIME.

LEGEND

SYMBOL	TYPE	MODEL NUMBER	MOUNTING HEIGHT	MOUNTING TYPE	DESCRIPTION	WATTAGE
	TYPE T1	CN55P1A-FGC-T3MB1A-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T2	SN21P1-FGC-T1-P10-30K	14'	POLE MOUNTED	SINGLE	22W
	TYPE T3	CN55P1A-FGC-T3HS-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T4	DSX1-LED-P3-30K-80CRI-T4M-MVOLT -SPA-PER7-DBLXD	18.5'	POLE MOUNTED	SINGLE	N/A
E	NEW PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
C	NEW COMMUNIATIONS PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	LOAD CENTER (LC)	LOAD CENTER	N/A	N/A	N/A	N/A
	EXISTING PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	NEW RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A
	SPECIAL RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A

COMMUNICATION CONDUIT

ELECTRICAL CONDUIT

UGE EXISTING ELECTRICAL CONDUIT

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: JM
CHECKED BY: MAJ

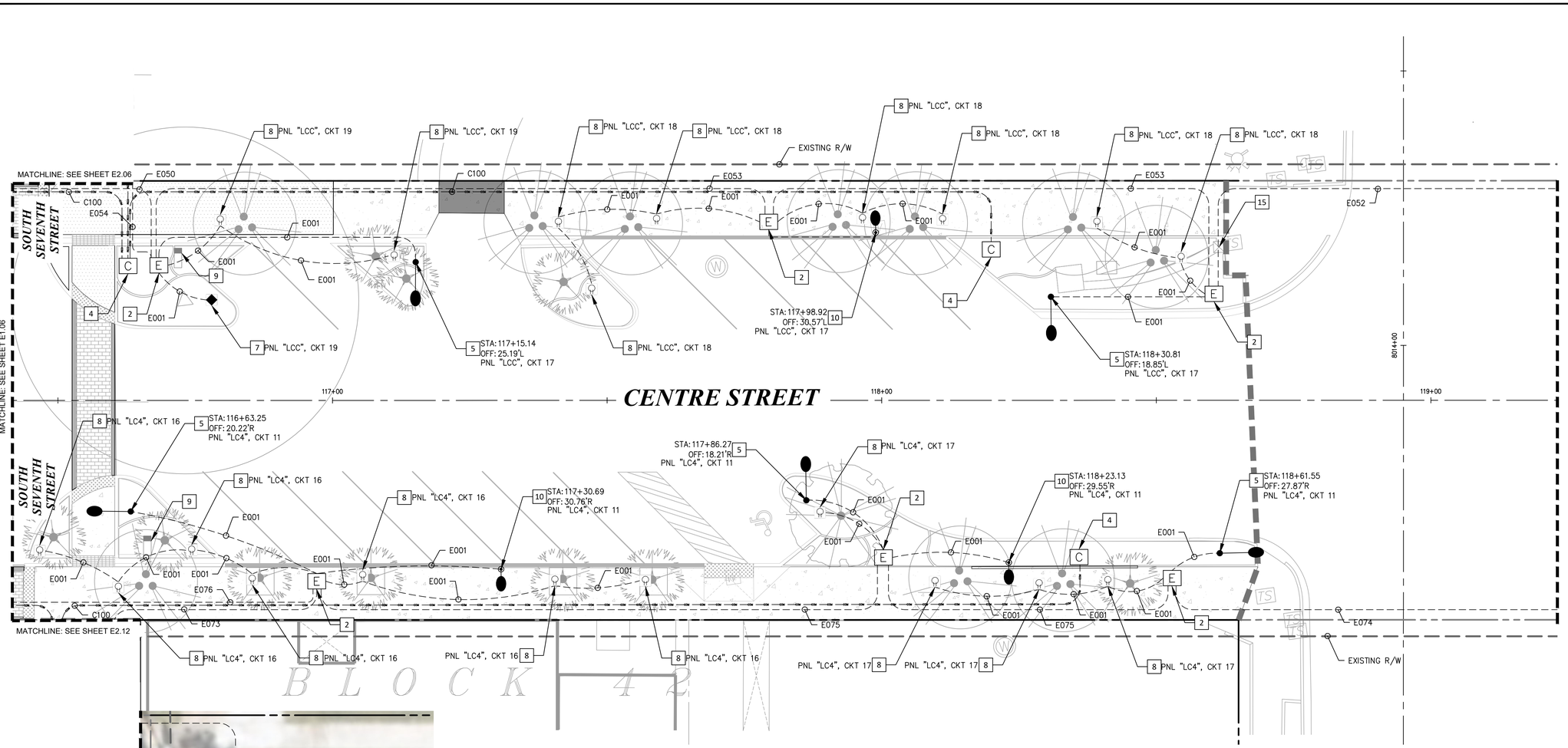
GENERAL NOTES

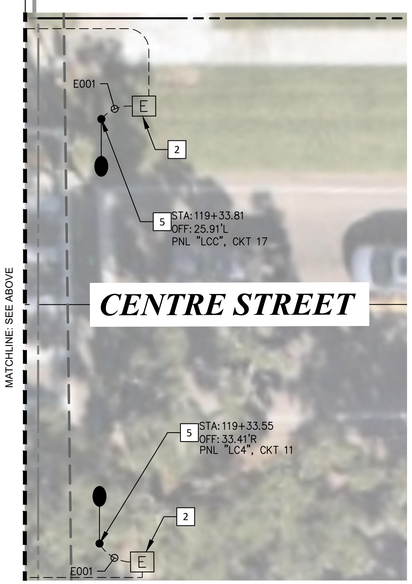
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E0.00 January 08, 2025 10:39:56am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





CONSTRUCTION NOTES

2 INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.

4 INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.

5 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.

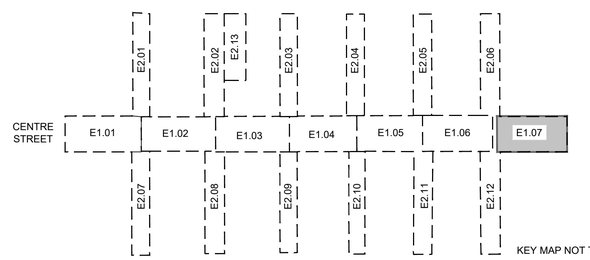
7 INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP WITH ABOVE GROUND CONDUIT. SEE DETAIL A ON PAGE E3.01.

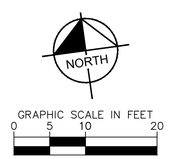
8 INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.

9 EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.

10 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.

15 REMOVE LANTERN FROM FENCE AND CAP AND SEAL HOLE.





No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

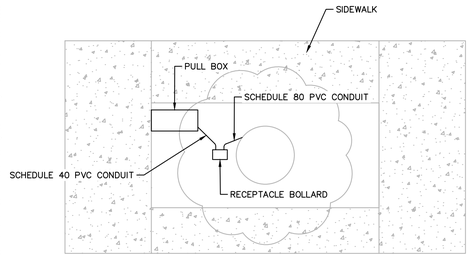
KHA PROJECT	DATE	SCALE: AS SHOWN	DESIGNED BY: KHA
142806005	01/08/2025		DRAWN BY: JM
			CHECKED BY: MAJ

LIGHTING PLAN

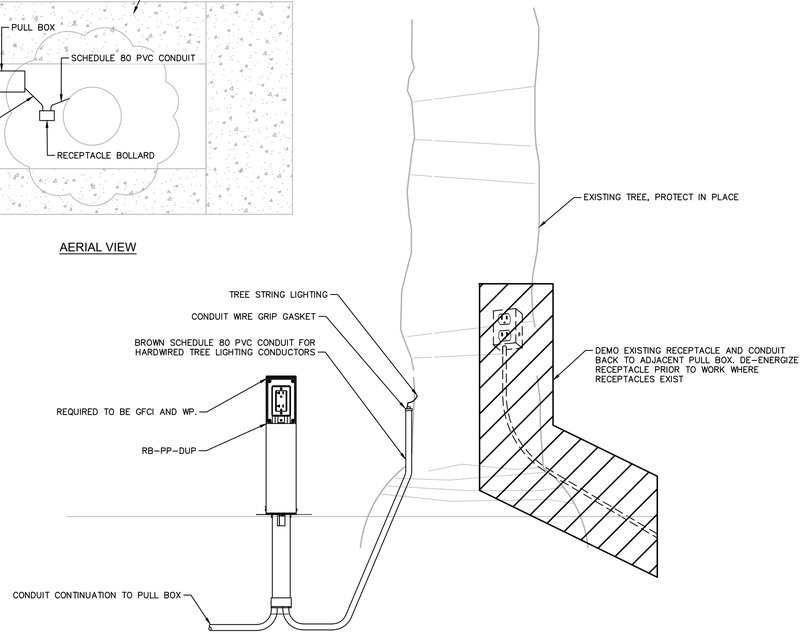
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E1.07

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E1.07 January 08, 2025 10:41:16am K:\JAX_LAL\PLY\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

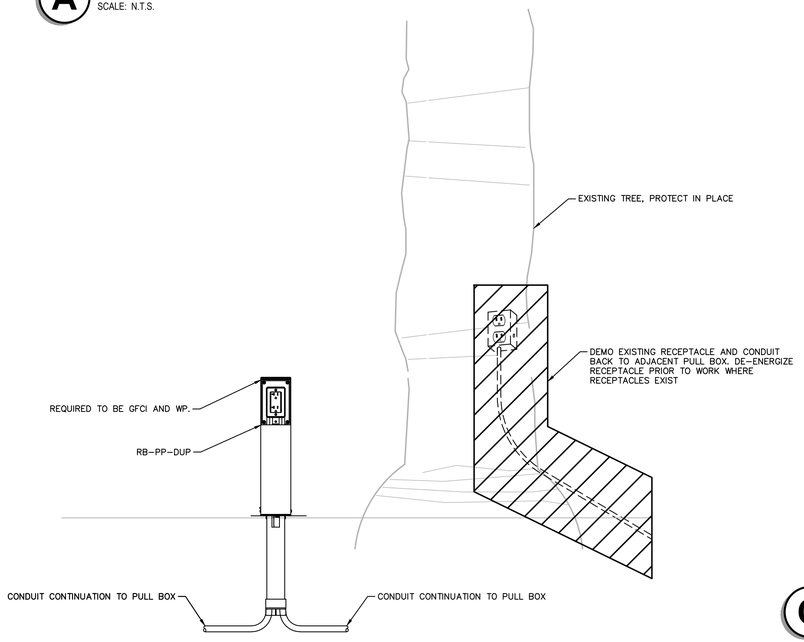


AERIAL VIEW



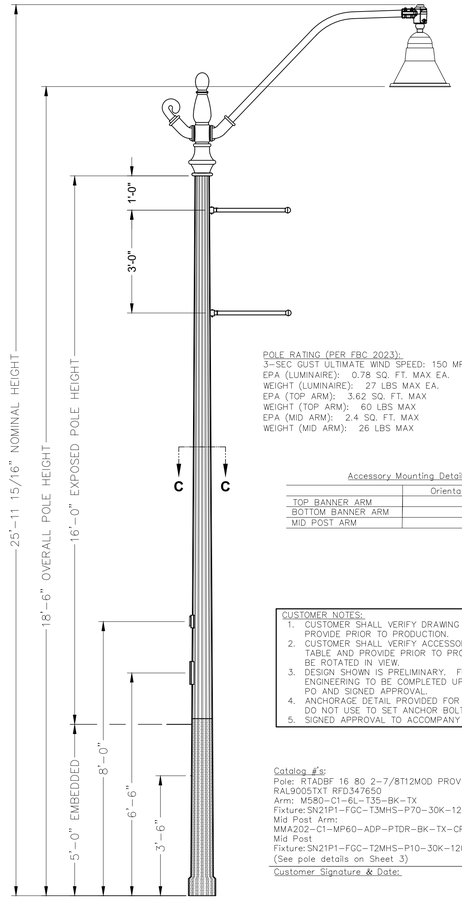
A TYPICAL HERITAGE TREE RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



B TYPICAL RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



POLE RATING (PER FBC 2023):
3-SEC GUST ULTIMATE WIND SPEED: 150 MPH MAX
EPA (LUMINAIRE): 0.78 SQ. FT. MAX EA.
WEIGHT (LUMINAIRE): 27 LBS MAX EA.
EPA (TOP ARM): 3.62 SQ. FT. MAX
WEIGHT (TOP ARM): 60 LBS MAX
EPA (MID ARM): 2.4 SQ. FT. MAX
WEIGHT (MID ARM): 26 LBS MAX

Accessory Mounting Detail

	Orientation
TOP BANNER ARM	
BOTTOM BANNER ARM	
MID POST ARM	

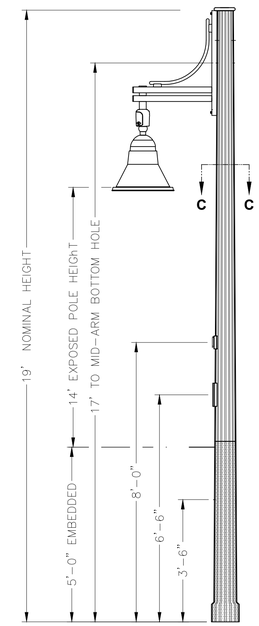
CUSTOMER NOTES:
1. CUSTOMER SHALL VERIFY DRAWING DETAILS AND PROVIDE PRIOR TO PRODUCTION.
2. CUSTOMER SHALL VERIFY ACCESSORY LOCATION IN TABLE AND PROVIDE PRIOR TO PRODUCTION. MAY BE ROTATED IN VIEW.
3. DESIGN SHOWN IS PRELIMINARY. FINAL ENGINEERING TO BE COMPLETED UPON RECEIPT OF PO AND SIGNED APPROVAL.
4. ANCHORAGE DETAIL PROVIDED FOR VISUAL ONLY – DO NOT USE TO SET ANCHOR BOLTS.
5. SIGNED APPROVAL TO ACCOMPANY PO.

Catalog #'s:
Pole: RTADBF 16 80 2-7/8T12MOD PROV GFI 2BA
RAL9005TXT RFD347650
Arm: M580-C1-6L-T35-BK-TX
Fixture: SN21P1-FGC-T3MHS-P70-30K-120-10KV-ADS-PTDR-BK-TX
Mid Post Arm:
MMA202-C1-MP60-ADP-PTDR-BK-TX-CP6786
Mid Post
Fixture: SN21P1-FGC-T2MHS-P10-30K-120-10KV-ADP-PTDR-DIM-BK-TX
(See pole details on Sheet 3)

Customer Signature & Date:

C TYPICAL STREET LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.



D TYPICAL PEDESTRIAN LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

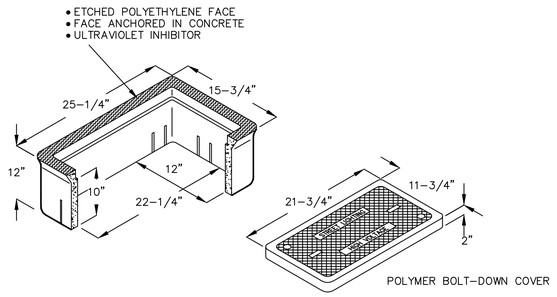
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

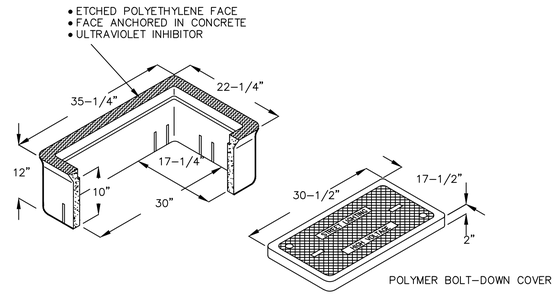
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.01

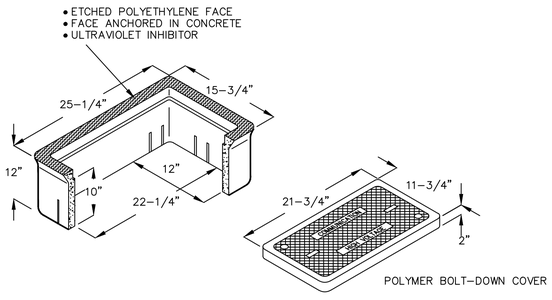
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.01 January 08, 2025 10:46:34am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



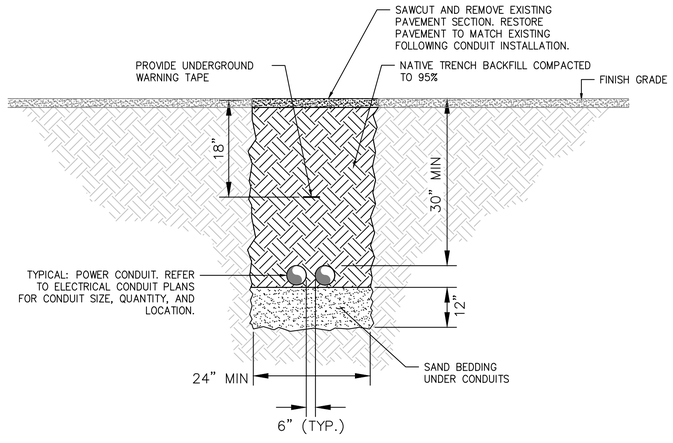
E **TYPICAL NO.5 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



F **TYPICAL NO.7 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



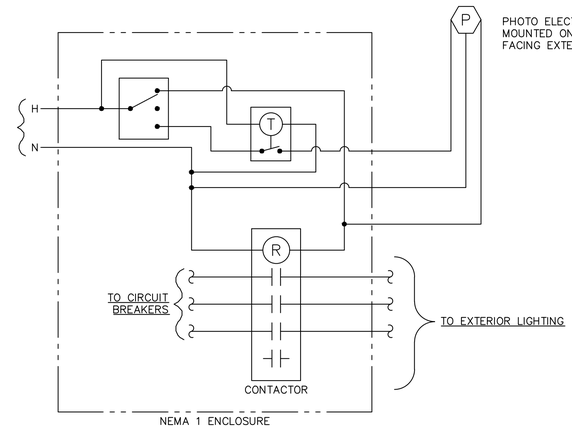
G **TYPICAL COMMUNICATION NO.5 PULL-BOX INSTALLATION DETAIL**
SCALE: N.T.S.



NOTES:

1. ADJUST MINIMUM TRENCH WIDTH TO ACCOMMODATE SPECIFIED CONDUITS IN TRENCH MAINTAINING SEPARATION INDICATED.
2. CEC TABLE 300.5 REQUIRES MINIMUM COVER OF 24" BELOW GRADE UNDER PARKING LOTS AND ROADWAYS. PROVIDE 30" MINIMUM COVER AS INDICATED IN THESE LOCATIONS.
3. CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS INDICATED OTHERWISE ON PLAN VIEW.

Z **TRENCH DETAIL**
SCALE: N.T.S.



H **TYPICAL LIGHTING CONTACTOR AND CONTROL DETAIL**
SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.02 January 08, 2025 10:46:18am K:\JAX_LAND\142806005 – Fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E001	1"	NEW	1	(2) #10 AWG CONDUCTORS AND (1) #10 GROUND	ALL	ALL	All connections from pullbox to fixture
E002	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	15	Park Lighting
E003	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	14, 15, 20	South Street Lighting, Park Lighting, Street Receptn
E004	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	19, 21	North Street Lighting, Street Receptn
E005	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 21, 23	Center & North 2nd Steet Lighting, Street Receptn
E006	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	18	North 2nd Street Lighting
E007	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 23	North Street Lighting, Street Receptn
E008	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 23	North Street Lighting, Street Receptn
E009	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16	South 3rd Street Lighting
E010	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 24	Center & South 3rd Street Lighting, Street Receptn
E011	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 17, 22, 24	Center & South 3rd Street Lighting, Street Receptn
E012	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13	South 2nd Street Street Lighting
E013	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 16, 17, 22, 24	Center, South 2nd &3rd Street Lighting, Street Receptn
E014	3"	NEW	1	(12) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 20, 21, 23	Street Lighting, Street Receptn
	3"	NEW	1	(14) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 14, 15, 16, 17, 22, 24	Street Lighting, Street Receptn
E020	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 20	Center Street Lighting, Street Receptn
E021	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	17	North 3rd Street Lighting
E022	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E023	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 17, 20	Center and North 3rd Street Lighting, Street Receptn
E024	2"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCB	22	
E025	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E026	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E027	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E028	3"	NEW	1	(4) #6 AWG CONDUCTORS	LCB	19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E029	3"	NEW	1	(6) #6 AWG CONDUCTORS	LCB	16, 19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E030	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
E031	1"	NEW	1	(2) #8 AWG CONDUCTORS AND (1) #8 GROUND	LCB	24	Library Parking Lot Lighting
E032	3"	NEW	1	(12) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21, 24	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E042	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6GROUND	LCC	16	North East 5th Street Lighting
E043	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16	North East 5th Street Lighting
E044	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16, 21	Center & North 5th Street Lighting, Receptn
E045	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14	North East 6th Street Lighting
E046	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
E047	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	14	North East 6th Street Lighting
E048	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCC	20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E049	3"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
				(4) #6 AWG CONDUCTORS	LCC	17, 20	Center, North 5th & 6th Street Lighting, Receptn
E050	3"	NEW	1	(8) #6 AWG CONDUCTORS	LCC	13, 17, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E051	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	13	North East 7th Street Lighting
E052	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17	Center Street Lighting
E053	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17, 18	Center Street Lighting, Receptn
E054	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCC	13, 17, 18, 19, 20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn
E055	2"	NEW	1	(10) #6 AWG CONDUCTORS (1) #6 GROUND	LCC	13, 17, 18, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E060	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12	South East 3rd Street Lighting
E061	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12, 16	South East 3rd Street Lighting, Receptn
E062	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E063	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E064	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	South West 5th Street Lighting
E065	2"	NEW	1	(4) #6 AWG CONDUCTORS	LC3	15, 18	South West 5th & Center Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	
E066	2"	NEW	1	(6) #6 AWG CONDUCTORS	LC3	11, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South West 5th & Center Street Lighting, Receptn
E067	2"	NEW	1	(8) #6 AWG CONDUCTORS	LC3	11, 13, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South 4tth, 5th & Center Street Lighting, Receptn
E068	3"	NEW	1	(10) #6 AWG CONDUCTORS	LC3	11, 13, 15, 16, 17	South 4tth, 5th & Center Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12, 14, 18	South East 3rd Street & Center Lighting, Receptn
E069	2"	NEW	1	(2) #6 AWG CONDUCTORS	LC3	16	South East 3rd Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12	
E070	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	13	Center &South East 5th Street Lighting
E071	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	13, 14	Center &South East 5th Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS	LC4	18	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	
E072	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	9	South 6th Street Lighting
E073	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	10	South 7th Street Lighting
E074	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	11	Center Street Lighting
E075	2"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	11, 17	Center Street Lighting, Receptn
E076	2"	NEW	1	(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center, South 6th & 7th Street Lighting, Receptn
E077	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	12, 15	Center, South 6th & 7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	
E078	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	9, 12, 15	Center &South7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center & South 6th Street Lighting, Receptn
E079	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	12, 13, 14, 15	Center, South 5th & 7th Street Lighting, Receptn
	3"	NEW	1	(10) #4 AWG CONDUCTORS	LC4	10, 11, 16, 17, 18	Center, South & 6th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting
E080	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	20	North West 5th Street Lighting
E081	2"	NEW	1	(2) #4 AWG CONDUCTORS	LC4	18	Center & North West 5th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting

SITE COMMUNICATION CONDUIT SCHEDULE					
CONDUIT				CABLE	REMARKS
PATH NO.	SIZE	STATUS	QTY		
C100	3"	NEW	1	PULL STING	All connections from pullbox to pullbox

P CONDUIT AND CONDUCTOR SCHEDULE

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING CUTSHEETS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.04 January 08, 2025 10:46:41am K:\JAX_LAL\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.03 January 08, 2025 10:46:46am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00_LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

PANEL NAME (NEW): LC C

LOCATION: NORTH 7TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 125 A
MCB RATING: 125 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1			125	2					1	20	L	LIGHTS	2
3	MAIN								1	20	L	LIGHTS	4
5									1	20	L	LIGHTS	6
7	WEST POWER PEDESTALS	R	100	2					1	20	R	CONTACTOR	8
9									1	20	R	SPRINKLER/TIME CLOCK ON PEDESTAL	10
11	EAST POWER PEDESTALS	R	60	2					1	20	R	CONTACTORS	12
13	**LIGHTING N 7TH**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 6TH**	14
15	SPACE							1,425	1	20	L	**LIGHTING CENTER**	16
17	**LIGHTING CENTER**	L	20	1	1,425	1,260			1	20	R	**CENTER RECEPTACLES**	18
19	**CENTER RECEPTACLES**	R	20	1			1,080	1,080	1	20	R	**CENTER RECEPTACLES**	20
21	**CENTER RECEPTACLES**	R	20	1	1,260							SPACE	22
23	SPACE	R	20	1								SPACE	24
					TOTAL LOAD:		6,395 VA		TOTAL LOAD:			3,585 VA	
					TOTAL AMPS:		53.3 A		TOTAL AMPS:			29.9 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	9980
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11305
RECEPTACLE (R)	4680.0	100.00%	4680.0	TOTAL CONN. (A):	41.6
LIGHTING (L)	5300.0	125.00%	6625.0	TOTAL EST. DEMAND (A):	47.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	38%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

NOTES:
REMOVE THE EXISTING ELECTRICAL PANEL AND CAREFULLY DISCONNECT ALL ASSOCIATED WIRING. INSTALL A NEW 120/240V, 1-PHASE, 200A NEMA 1 DISTRIBUTION PANEL IN THE SAME LOCATION. REPLACE EXISTING BREAKERS WITH NEW BREAKERS MATCHING THE SPECIFICATIONS, RATINGS, AND CONFIGURATIONS OF THE ORIGINAL BREAKERS TO PROTECT ALL EXISTING CIRCUITS. RECONNECT ALL EXISTING WIRING TO THE NEW PANEL IN ACCORDANCE WITH THE ORIGINAL CONFIGURATION, ENSURING COMPLIANCE WITH NEC AND LOCAL ELECTRICAL CODES. TEST THE PANEL AND BREAKERS FOR PROPER OPERATION, AND PROVIDE AS-BUILT DOCUMENTATION, INCLUDING AN UPDATED PANEL SCHEDULE.

I PANEL LCC PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 4

LOCATION: SOUTH 6TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHT	L	30	1					1	30	L	STREET LIGHT	2
3	PHOTO CELL	R	20	1					1	30	L	STREET LIGHT	4
5	OUTLET BELOW	R	20	1					1	20	L	LIGHT IN THIS CABINET	6
7	EXISTING	L	20	1					1	20	R	IRRIGATION TIME CLOCK	8
9	**LIGHTING SOUTH 6TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 7TH**	10
11	**LIGHTING CENTER (EAST)**	L	20	1			1,625	1,135	1	20	L	**LIGHTING CENTER**	12
13	**LIGHTING CENTER**	L	20	1	1,825	1,260			1	20	R	**RECEPTACLES W 6TH**	14
15	**RECEPTACLES E 6TH**	R	20	1			1,260	1,260	1	20	R	**RECEPTACLES E 7TH**	16
17	**RECEPTACLES E 7TH**	R	20	1	720							SPACE	18
19	SPACE											SPACE	20
					TOTAL LOAD:		6,010 VA		TOTAL LOAD:			5,280 VA	
					TOTAL AMPS:		50.1 A		TOTAL AMPS:			44 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	11290
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	12987.5
RECEPTACLE (R)	4500.0	100.00%	4500.0	TOTAL CONN. (A):	47
LIGHTING (L)	6790.0	125.00%	8487.5	TOTAL EST. DEMAND (A):	54.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	27%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

J PANEL LC4 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 3

LOCATION: SOUTH 4TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	2
3	STREET LIGHTS	L	20	1					1	30	L	STREET LIGTHS	4
5	OUTLET BELOW	R	20	1					1	20	L	STREET LIGTHS	6
7	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	8
9	STREET LIGHTS	L	30	1					1	20	R	SPRINKLER/FOUNTAIN TIME CLOCK	10
11	FOUNTAIN	M	20	1			1,600	1,180	1	20	L	**LIGHTING SOUTH 3RD**	12
13	**LIGHTING SOUTH 4TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 5TH**	14
15	**LIGHTING CENTER**	L	20	1			1,335	1,080	1	20	R	**RECEPTACLES S CENTER**	16
17	**RECEPTACLES S CENTER**	R	20	1	1,260	900			1	20	R	**RECEPTACLES S CENTER**	18
19	SPACE											SPACE	20
					TOTAL LOAD:		4,365 VA					5,195 VA	
					TOTAL AMPS:		36.4 A					43.3 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	1600.0	125.00%	2000.0	TOTAL CONN. LOAD (VA):	9560
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11140
RECEPTACLE (R)	3240.0	100.00%	3240.0	TOTAL CONN. (A):	39.8
LIGHTING (L)	4720.0	125.00%	5900.0	TOTAL EST. DEMAND (A):	46.4
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	23%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

K PANEL LC3 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING) : LC B

LOCATION: NORTH 3RD ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	POWER PEDISTAL	R	100	2					1	30	L	N. 3RD STREET LIGHTS	2
3									1	30	L	LIGHTS	4
5	LIGHTS	L	30	1					1	30		EXISTING	6
7	LIBRARY PARKING LIGHTS	L	30	1					1	20		EXISTING	8
9	EXISTING		20	1					1	20		EXISTING	10
11	EXISTING		20	1					2	30		EXISTING	12
13			100	2									14
15	EXISTING							980	1	20	L	**LIGHTING CENTER ST**	16
17	**LIGHTING N 3RD**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 4TH**	18
19	**LIGHTING CENTER ST**	L	20	1			890	540	1	20	R	**RECEPTACLES W 3RD**	20
21	**RECEPTACLES E 3RD**	R	20	1	1,080	1,440			1	20	R	**RECEPTACLES E 3RD**	22
23	**POWER PEDISTAL**	R	100	2				204	1	20	L	**LIBRARY PARKING LIGHTS**	24
25												SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		4,970 VA		TOTAL LOAD:			2,614 VA	
					TOTAL AMPS:		41.4 A		TOTAL AMPS:			21.8 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	7584
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	8715
RECEPTACLE (R)	3060.0	100.00%	3060.0	TOTAL CONN. (A):	31.6
LIGHTING (L)	4524.0	125.00%	5655.0	TOTAL EST. DEMAND (A):	36.3
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	18%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

L PANEL LCB PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 2/A

LOCATION: SOUTH 2ND & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

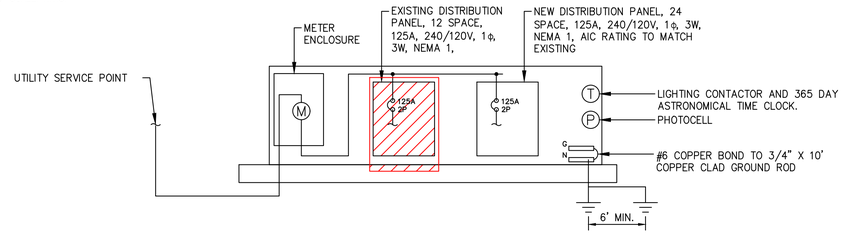
AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1		R	100	2					2	80	R		2
3	MAIN											PEDS. NORTH 2ND WEST SIDE	4
5	PED SOUTH 2ND	L	20	1					2	100	R		6
7	EAST WEST SIDE	L	20	1								PEDS NORTH 2ND CENTERE ST	8
9	PED SOUTH 2ND	L	20	1					1	20	L	STREET LIGHTS SOUTH WEST	10
11	EAST WEST	L	20	1					1	20	R	PHOTCELL BYPASS SWITCH	12
13	**LIGHTING SOUTH 2ND**	L	20	1	1,225	935			1	20	L	**LIGHTING SOUTH CENTRE**	14
15	**LIGHTING PARK**	L	20	1			729	1,129	1	20	L	**LIGHTING SOUTH 3RD**	16
17	**LIGHTING CENTRE**	L	20	1	1,129	1,225			1	20	L	**LIGHTING NORTH 2ND**	18
19	**LIGHTING NORTH CENTRE**	L	20	1			1,335	1,800	1	20	R	**RECEPTACLES S CENTER**	20
21	**RECEPTACLES N CENTER**	R	20	1	1,080	720			1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	22
23	**RECEPTACLES N CENTER (EAST OF 2ND)**	R	20	1			900	1,080	1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	24
25	**RECEPTACLES N CENTER**	R	20	1	900							SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		7,214 VA					6,973 VA	
					TOTAL AMPS:		60.1 A					58.1 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	14187
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	16113.75
RECEPTACLE (R)	6480.0	100.00%	6480.0	TOTAL CONN. (A):	59.1
LIGHTING (L)	7707.0	125.00%	9633.8	TOTAL EST. DEMAND (A):	67.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	67%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

M PANEL LC2/A PANEL SCHEDULE

SCALE: N.T.S.



N METER PEDESTAL SINGLE LINE DIAGRAM (PANEL LCC)

SCALE: N.T.S.

Panel Name	Existing Load (kW)	Removed Load (kW)	New Load (kW)	Total Load (kW)	Panel Capacity (kW)	Percent Loaded
Panel LCC	3.39	2.37	11.3	12.32	30	41%
Panel LC4	2.46	1.72	15.9	16.64	48	35%
Panel LC3	58.66	41.06	11.14	28.74	48	60%
Panel LCB	3.84	2.69	8.7	9.85	48	21%
Panel LC2A	1.67	1.17	16.11	16.61	48	35%

EXISTING LOADS WERE DETERMINED BASED ON THE PEAK ENERGY CONSUMPTION RECORDED DURING THE HIGHEST-USE MONTH IN THE BILLING HISTORY

O PANEL LOAD SUMMARY (ALL PANELS)

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.03

cyclone

Campana SN21P1
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

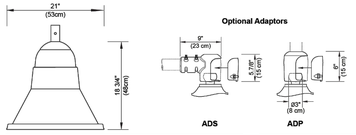
Ordering Code

Model	Lens	Distribution	Performance Package	CCT	Volts	Surge Protector
SN21P1	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 * Backward optic	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ACS	DIM 0-10 volts wire for external controls PND506 Program 50% for 6 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD* Field adjustable 10% increment step-dimming switch * Contact factory for wireless controls and more information regarding SD option.	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 0.78 ft² **Weight:** 23.6 lbs / 10.7 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 **www.cyclonelighting.com**
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2023 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2023/07

Q TYPE T2 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

cyclone

Campana CN55P1A
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

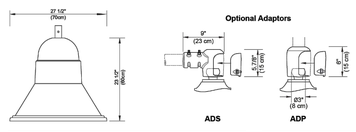
Ordering Code

Model	Lens	Distribution	Performance package	CCT	Volts	Surge protector
CN55P1A	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 TCW Crosswalk * Backward optic T3M81A	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm) P80 (17500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
– Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	– PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ADS	– DIM 0-10 volts wire for external controls PND506 Program 50% for 8 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD Field adjustable 10% increment step-dimming switch	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 1.25 ft² **Weight:** 55.3 lbs / 25.1 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 www.cyclonelighting.com
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2024 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2024/06

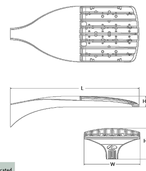
R TYPE T1 & T3 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

D-Series Size 1
LED Area Luminaire

dsx series

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Catalog Number
Notes
Type

Fill the Tab key or mouse over the page to see all interactive elements.

Introduction
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.
The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Design Select options indicated by this color background.

design select
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information
EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P6 P2 P7 P3 P8 P4 P9 P5 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare[2] T4M Type IV medium T4LG Type IV low glare[2] TFTM Forward throw medium T5M Type V medium T5G Type V low glare T5W Type V wide BLC3 Type III backlight control[3] BLC4 Type IV backlight control[3] LCCO Left corner cutoff[3] RCCO Right corner cutoff[3]	MVOLT (120V-277V)[4] HVOLT (347V-480V)[5,6] VHVOLT (277V-480V)[5,6] 120[4,36] 208[4,36] 240[4,36] 277[4,36] 347[4,36] 480[4,36]	**Shipped included** SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling[4] RPA5 Round pole mounting #5 drilling[4] SPA8N Square narrow pole mounting (#8 drilling) WBA Wall bracket[4] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options		Other options		Finish (required)	
Shipped installed		**Shipped installed**		DDBXD Dark Bronze	
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[7,11,35,37]	PER7 Seven-pin receptacle only (controls ordered separately)[8,37]	SPD20KV 20KV surge protection		DBLBD Black	
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[35,37]	FAO Field adjustable output[14,37]	HS Houseside shield (black finish standard)[37]		DNAXD Natural Aluminum	
PER NEMA twist-lock receptacle only (controls ordered separately)[8]	BL30 Bi-level switched dimming, 30%[9,37]	L90 Left rotated optics[1]		DWHXD White	
PERS Five-pin receptacle only (controls ordered separately)[8,37]	BL50 Bi-level switched dimming, 50%[9,37]	R90 Right rotated optics[1]		DDBTXD Textured dark bronze	
	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[37]	CCE Coastal Construction[35]		DBLBXD Textured black	
	DS Dual switching[10,11,37]	HA 50°C ambient operation[36]		DNATXD Textured natural aluminum	
		BAA Buy America(n) Act and/or Build America Buy America Qualified		DWHGXD Textured white	
		SF Single fuse (120, 277, 347V)[4]			
		DF Double fuse (208, 240, 480V)[4]			
		Shipped separately			
		EGSR External Glare Shield (reversible, field install required, matches housing finish)			
		BSDB Bird Spikes (field install required)			

LITHONIA LIGHTING
COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2011-2024 Acuity Brands Lighting, Inc. All rights reserved.

S TYPE T4 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

REVISIONS | DATE | BY | No.

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.05 January 08, 2025 10:46:53am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.06 January 08, 2025 10:47:05am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Panel LCC - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	15	120	1	0.11%	2
3	STA7014+73.40	2	13,336	NM	Copper	1	Set of	6	6.1	212	120	1	1.06%	3
4	STA7016+58.49	3	1,247	NM	Copper	1	Set of	6	4.066667	203	120	1	1.67%	4
5	STA7018+09.25	4	667	NM	Copper	1	Set of	6	2.033333	171	120	1	1.92%	5

Panel LCC - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.16667	340	120	1	1.67%	2
3	STA6015+06.01	2	1,308	NM	Copper	1	Set of	4	6.1	170	120	1	2.17%	3
4	STA6016+70.34	3	881	NM	Copper	1	Set of	6	4.066667	190	120	1	2.74%	4
5	STA6018+26.76	4	560	NM	Copper	1	Set of	6	2.033333	175	120	1	3.00%	5

Panel LCC - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA113+97.05	1	42,472	NM	Copper	1	Set of	4	8.316667	335	120	1	1.35%	2
3	STA113+38.13	2	1,327	NM	Copper	1	Set of	4	6.283333	108	120	1	1.67%	3
4	STA112+78.87	3	1,011	NM	Copper	1	Set of	6	4.25	185	120	1	2.25%	4
5	STA111+98.46	4	616	NM	Copper	1	Set of	6	2.216667	113	120	1	2.43%	5
6	STA5017+32.87	5	497	NM	Copper	1	Set of	6	2.033333	382	120	1	3.00%	6

Panel LCC - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	12.38333	53	120	1	0.48%	2
3	STA117+15.14	2	4,871	NM	Copper	1	Set of	6	6.283333	64	120	1	0.78%	3
4	STA117+98.92	3	2,354	NM	Copper	1	Set of	8	4.25	212	120	1	1.81%	4
5	STA118+30.81	4	642	NM	Copper	1	Set of	8	4.066667	160	120	1	2.56%	5
6	STA119+33.81	5	414	NM	Copper	1	Set of	8	2.033333	156	120	1	2.93%	6

Panel LCC - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 5	1	42,472	NM	Copper	1	Set of	8	10.5	179	120	1	2.16%	2
3	LCC RECEPTACLE 1	2	1,019	NM	Copper	1	Set of	10	3	119	120	1	2.82%	3
4	LCC RECEPTACLE 2	3	502	NM	Copper	1	Set of	10	1.5	29	120	1	2.90%	4

Panel LCC - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	10	9	52	120	1	0.86%	2
3	LCC PULL BOX 6	2	2,149	NM	Copper	1	Set of	10	4.5	104	120	1	1.72%	3
4	LCC RECEPTACLE 3	3	741	NM	Copper	1	Set of	10	3	25	120	1	1.85%	4
5	LCC RECEPTACLE 4	4	641	NM	Copper	1	Set of	10	1.5	49	120	1	1.99%	5

Panel LCC - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	234	120	1	1.54%	2
3	LCC RECEPTACLE 5	2	1,211	NM	Copper	1	Set of	10	4.5	116	120	1	2.50%	3
4	LCC RECEPTACLE 6	3	552	NM	Copper	1	Set of	10	3	39	120	1	2.72%	4
5	LCC RECEPTACLE 7	4	467	NM	Copper	1	Set of	10	1.5	32	120	1	2.80%	5

Panel LCC - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 8	1	42,472	NM	Copper	1	Set of	4	10.5	398	120	1	2.02%	2
3	LCC PULL BOX 9	2	1,123	NM	Copper	1	Set of	6	6	135	120	1	2.61%	3
4	LCC PULL BOX 10	3	739	NM	Copper	1	Set of	6	3	66	120	1	2.76%	4
5	LCC RECEPTACLE 8	4	633	NM	Copper	1	Set of	10	1.5	49	120	1	2.89%	5

T PANEL LCC VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LCB - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	8.133333	212	120	1	1.26%	2
3	LCB PULL BOX 2	2	1,332	NM	Copper	1	Set of	6	4.066667	99	120	1	1.56%	3
4	STA104+88.04	3	917	NM	Copper	1	Set of	6	2.033333	55	120	1	1.64%	4

Panel LCB - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.16667	19	120	1	0.14%	2
3	STA3015+16.35	2	11,274	NM	Copper	1	Set of	6	6.1	126	120	1	0.71%	3
4	STA3015+93.43	3	1,920	NM	Copper	1	Set of	6	4.066667	279	120	1	1.54%	4
5	STA3017+56.28	4	677	NM	Copper	1	Set of	6	2.033333	176	120	1	1.80%	5

Panel LCB - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	2	10.16667	454	120	1	1.46%	2
3	STA4016+04.97	8	835	NM	Copper	1	Set of	6	4.066667	88	120	1	2.20%	3
4	STA4017+66.55	3	667	NM	Copper	1	Set of	6	2.033333	177	120	1	2.47%	4
5	STA4015+16.88	2	1,540	NM	Copper	1	Set of	6	6.1	100	120	1	1.91%	5
6	STA4016+78.17	5	1,008	NM	Copper	1	Set of	6	4.066667	161	120	1	2.39%	6
7	STA4018+41.62	6	647	NM	Copper	1	Set of	6	2.033333	164	120	1	2.63%	7
8	P8 4TH STREET	2	1,540	NM	Copper	1	Set of	6	4.066667	160	120	1	1.94%	8

Panel LCB - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	4.433333	357	120	1	1.16%	2
3	LCB PULL BOX 4	2	801	NM	Copper	1	Set of	6	4.25	121	120	1	1.54%	3
4	LCB PULL BOX 6	3	601	NM	Copper	1	Set of	6	2.216667	40	120	1	1.60%	4
5	LCB PULL BOX 7	4	556	NM	Copper	1	Set of	6	0.183333	83	120	1	1.61%	5

Panel LCB - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE 1	1	42,472	NM	Copper	1	Set of	6	4.5	335	120	1	1.11%	2
3	LCB RECEPTACLE 2	2	853	NM	Copper	1	Set of	10	3	25	120	1	1.24%	3
4	LCB RECEPTACLE 3	3	722	NM	Copper	1	Set of	10	1.5	30	120	1	1.33%	4

Panel LCB - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 8	1	42,472	NM	Copper	1	Set of	6	9	270	120	1	1.78%	2
3	LCB PULL BOX 5	2	1,053	NM	Copper	1	Set of	6	1.5	115	120	1	1.91%	3

Panel LCB - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	4	12	445	120	1	2.58%	2
3	LCB PULL BOX 6	2	1,007	NM	Copper	1	Set of	4	7.5	34	120	1	2.70%	3
4	LCB RECEPTACLE 4	3	937	NM	Copper	1	Set of	6	3	91	120	1	2.90%	4
5	LCB RECEPTACLE 5	4	725	NM	Copper	1	Set of	10	1.5	20	120	1	2.96%	5
6	R1	3	937	NM	Copper	1	Set of	10	4.5	20	120	1	2.87%	6
7	R2	6	808	NM	Copper	1	Set of	10	3	16	120	1	2.96%	7
8	R3	7	728	NM	Copper	1	Set of	10	1.5	16	120	1	3.00%	8

Panel LCB - Circuit 23&25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE BOLLARD 1	1	42,472	NM	Copper	1	Set of	1	30	261	240	1	1.04%	2

Panel LCB - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 9	1	42,472	NM	Copper	1	Set of	6	1.7	102	120	1	0.13%	2
3	LCB LIGHT 1	2	2,679	NM	Copper	1	Set of	8	0.85	137	120	1	0.26%	3

U PANEL LCB VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC4- Circuit 9

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	8	10.16667	17	120	1	0.20%	2
3	STA6011+93.15	2	8,736	NM	Copper	1	Set of	8	6.1	105	120	1	0.94%	3
4	STA6010+44.34	3	1,479	NM	Copper	1	Set of	8	4.066667	170	120	1	1.73%	4
5	STA6009+63.82	4	631	NM	Copper	1	Set of	8	2.033333	101	120	1	1.97%	5

Panel LC4 - Circuit 10

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 1	1	42,472	NM	Copper	1	Set of	4	8.133333	377	120	1	1.48%	2
3	STA7012+89.95	2	1,184	NM	Copper	1	Set of	8	4.066667	204	120	1	2.44%	3
4	STA7010+75.45	3	517	NM	Copper	1	Set of	8	2.033333	227	120	1	2.97%	4

Panel LC4- Circuit 11

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.5	477	120	1	1.96%	2
3	LC4 PULL BOX 3	2	941	NM	Copper	1	Set of	4	6.283333	124	120	1	2.34%	3
4	STA118+61.55	3	750	NM	Copper	1	Set of	6	4.066667	120	120	1	2.69%	4
5	STA119+33.55	4	573	NM	Copper	1	Set of	6	2.033333	117	120	1	2.87%	5

Panel LC4 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	8	6.466667	220	120	1	1.64%	2
3	LC4 PULL BOX 5	2	833	NM	Copper	1	Set of	8	4.25	85	120	1	2.05%	3
4	STA116+16.09	3	604	NM	Copper	1	Set of	8	2.033333	124	120	1	2.34%	4

Panel LC4 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	6	10.71667	106	120	1	0.83%	2
3	LC4 PULL BOX 7	2	2,584	NM	Copper	1	Set of	6	8.5	140	120	1	1.71%	3
4	LC4 PULL BOX 8	3	1,153	NM	Copper	1	Set of	6	6.283333	86	120	1	2.10%	4
5	STA5013+17.45	4	861	NM	Copper	1	Set of	8	4.066667	84	120	1	2.49%	5
6	STA5011+58.93	5	621	NM	Copper	1	Set of	8	2.033333	175	120	1	2.90%	6

Panel LC4 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	8	10.5	108	120	1	1.30%	2
3	LC4 RECEPTACLE 1	2	1,663	NM	Copper	1	Set of	8	4.5	149	120	1	2.08%	3
4	LC4 PULL BOX 8	3	715	NM	Copper	1	Set of	10	3	95	120	1	2.60%	4

Panel LC4 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	10.5	214	120	1	1.65%	2
3	LC4 PULL BOX 5	2	1,320	NM	Copper	1	Set of	10	6	84	120	1	2.57%	3
4	LC4 RECEPTACLE 9	3	680	NM	Copper	1	Set of	10	1.5	121	120	1	2.90%	4

Panel LC4 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.5	480	120	1	2.44%	2
3	LC4 RECEPTACLE 6	2	935	NM	Copper	1	Set of	10	4.5	16	120	1	2.57%	3
4	LC4 RECEPTACLE 7	3	830	NM	Copper	1	Set of	10	3	47	120	1	2.83%	4
5	LC4 RECEPTACLE 8	4	623	NM	Copper	1	Set of	10	1.5	27	120	1	2.90%	5

Panel LC4 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 3	1	42,472	NM	Copper	1	Set of	4	6	618	120	1	1.79%	2
3	LC4 RECEPTACLE 3	2	730	NM	Copper	1	Set of	10	4.5	100	120	1	2.62%	3
4	LC4 RECEPTACLE 4	3	451	NM	Copper	1	Set of	10	3	34	120	1	2.80%	4
5	LC4 RECEPTACLE 5	4	399	NM	Copper	1	Set of	10	1.5	30	120	1	2.89%	5

Panel LC4 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	4	9	440	120	1	1.91%	2
3	LC4 RECEPTACLE 10	2	1,018	NM	Copper	1	Set of	10	6	20	120	1	2.13%	3
4	LC4 RECEPTACLE 11	3	868	NM	Copper	1	Set of	10	4.5	30	120	1	2.38%	4
5	LC4 RECEPTACLE 12	4	711	NM	Copper	1	Set of	10	3	31	120	1	2.55%	5
6	LC4 RECEPTACLE 13	5	599	NM	Copper	1	Set of	10	1.5	34	120	1	2.65%	6

Panel LC4 - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	2	12.2	440	120	1	1.70%	2
3	STA5015+33.99	2	1,587	NM	Copper	1	Set of	6	6.1	146	120	1	2.35%	3
4	STA5016+34.22	3	884	NM	Copper	1	Set of	6	4.066667	119	120	1	2.71%	4
5	STA5018+11.81	4	650	NM	Copper	1	Set of	6	2.033333	195	120	1	3.00%	5

Y PANEL LC4 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.06

Panel LC2A - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	12	120	1	0.09%	2
3	STA2012+27.34	2	15,457	NM	Copper	1	Set of	6	4.066667	270	120	1	0.88%	3
4	STA2010+41.29	3	1,009	NM	Copper	1	Set of	6	2.033333	197	120	1	1.19%	4

Panel LC2A - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.283333	89	120	1	0.41%	2
3	LC2A PULL BOX 3	2	3,042	NM	Copper	1	Set of	6	4.25	119	120	1	0.78%	3
4	LC2A PULL BOX 4	3	1,357	NM	Copper	1	Set of	6	4.066667	113	120	1	1.12%	4
5	STA100+16.77	4	889	NM	Copper	1	Set of	6	2.033333	52	120	1	1.20%	5

Panel LC2A - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	6.1	334	120	1	1.49%	2
3	LC2A PULL BOX 6	2	855	NM	Copper	1	Set of	6	4.066667	28	120	1	1.58%	3
4	STA100+93.57	3	791	NM	Copper	1	Set of	6	2.033333	28	120	1	1.62%	4

Panel LC2A - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	6.466667	323	120	1	1.53%	2
3	LC2A PULL BOX 8	2	884	NM	Copper	1	Set of	6	6.283333	80	120	1	1.90%	3
4	STA3012+76.00	3	711	NM	Copper	1	Set of	6	4.066667	105	120	1	2.21%	4
5	STA3010+73.28	4	566	NM	Copper	1	Set of	6	2.033333	218	120	1	2.54%	5

Panel LC2A - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.466667	86	120	1	0.41%	2
3	LC2A PULL BOX 9	2	3,140	NM	Copper	1	Set of	6	2.216667	155	120	1	0.66%	3
4	STA104+02.47	3	1,176	NM	Copper	1	Set of	6	0.183333	126	120	1	0.68%	4

Panel LC2A - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 10	1	42,472	NM	Copper	1	Set of	6	10.16667	167	120	1	1.25%	2
3	STA2014+97.22	2	1,677	NM	Copper	1	Set of	6	6.1	120	120	1	1.78%	3
4	STA2016+65.95	3	892	NM	Copper	1	Set of	6	4.066667	182	120	1	2.32%	4
5	STA2018+18.33	4	613	NM	Copper	1	Set of	6	2.033333	166	120	1	2.57%	5

Panel LC2A - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	6.65	133	120	1	0.65%	2
3	LC2A PULL BOX 12	2	2,085	NM	Copper	1	Set of	6	4.433333	128	120	1	1.06%	3
4	LC2A PULL BOX 13	3	1,089	NM	Copper	1	Set of	6	2.4	70	120	1	1.19%	4
5	LC2A PULL BOX 14	4	863	NM	Copper	1	Set of	6	2.216667	88	120	1	1.33%	5
6	STA100+29.48	5	685	NM	Copper	1	Set of	6	2.033333	25	120	1	1.37%	6

Panel LC2A - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	15	87	120	1	0.96%	2
3	LC2A PULL BOX 3	2	3,107	NM	Copper	1	Set of	6	9	116	120	1	1.72%	3
4	LC2A PULL BOX 4	3	1,389	NM	Copper	1	Set of	6	7.5	113	120	1	2.34%	4
5	LC2A RECEPTACLE 1	4	903	NM	Copper	1	Set of	10	3	15	120	1	2.43%	5
6	LC2A RECEPTACLE 2	5	810	NM	Copper	1	Set of	10	1.5	25	120	1	2.50%	6

Panel LC2A - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 13	1	42,472	NM	Copper	1	Set of	6	9	321	120	1	2.12%	2
3	LC2A RECEPTACLE 3	2	889	NM	Copper	1	Set of	10	3	95	120	1	2.64%	3
4	LC2A RECEPTACLE 4	3	518	NM	Copper	1	Set of	10	1.5	14	120	1	2.68%	4

Panel LC2A - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 15	1	42,472	NM	Copper	1	Set of	6	7.5	145	120	1	0.80%	2
3	LC2A PULL BOX 16	2	1,920	NM	Copper	1	Set of	6	4.5	118	120	1	1.19%	3
4	LC2A RECEPTACLE 5	3	1,081	NM	Copper	1	Set of	10	3	16	120	1	1.27%	4
5	LC2A RECEPTACLE 6	4	942	NM	Copper	1	Set of	10	1.5	36	120	1	1.37%	5

Panel LC2A - Circuit 23

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 17	1	42,472	NM	Copper	1	Set of	6	7.5	195	120	1	1.07%	2
3	LC2A PULL BOX 9	2	1,445	NM	Copper	1	Set of	10	6	49	120	1	1.61%	3
4	LC2A RECEPTACLE 7	3	902	NM	Copper	1	Set of	10	1.5	128	120	1	1.96%	4

Panel LC2A - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	318	120	1	2.10%	2
3	LC2A RECEPTACLE 8	2	898	NM	Copper	1	Set of	10	4.5	84	120	1	2.79%	3
4	LC2A RECEPTACLE 9	3	547	NM	Copper	1	Set of	10	3	24	120	1	2.92%	4
5	LC2A RECEPTACLE 10	4	492	NM	Copper	1	Set of	10	1.5	29	120	1	3.00%	5

Panel LC2A - Circuit 25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	7.5	133	120	1	0.73%	2
3	LC2A RECEPTACLE 11	2	2,085	NM	Copper	1	Set of	10	6	16	120	1	0.91%	3
4	LC2A RECEPTACLE 12	3	1,625	NM	Copper	1	Set of	10	4.5	22	120	1	1.09%	4
5	LC2A RECEPTACLE 13	4	1,246	NM	Copper	1	Set of	10	3	30	120	1	1.25%	5
6	LC2A RECEPTACLE 14	5	946	NM	Copper	1	Set of	10	1.5	34	120	1	1.33%	6

W PANEL LC1A VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC3 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.316667	297	120	1	1.19%	2
3	STA106+02.04	2	1,491	NM	Copper	1	Set of	6	6.1	114	120	1	1.70%	3
4	STA3011+79.48	3	942	NM	Copper	1	Set of	6	4.066667	204	120	1	2.31%	4
5	STA3009+82.00	4	568	NM	Copper	1	Set of	6	2.033333	217	120	1	2.64%	5

Panel LC3 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	10	120	1	0.07%	2
3	STA4013+13.27	2	17,290	NM	Copper	1	Set of	6	6.1	97	120	1	0.51%	3
4	STA4011+46.64	3	2,561	NM	Copper	1	Set of	6	4.066667	368	120	1	1.61%	4
5	STA4009+72.12	4	605	NM	Copper	1	Set of	6	2.033333	198	120	1	1.90%	5

Panel LC3 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA110+79.14	1	42,472	NM	Copper	1	Set of	4	8.133333	502	120	1	1.97%	2
3	STA5012+39.86	2	895	NM	Copper	1	Set of	4	6.1	190	120	1	2.53%	3
4	STA5010+81.80	3	653	NM	Copper	1	Set of	4	4.066667	170	120	1	2.87%	4
5	STA5009+72.63	4	526	NM	Copper	1	Set of	4	2.033333	130	120	1	3.00%	5

Panel LC3 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	6.65	145	120	1	0.71%	2
3	LC3 PULL BOX 4	2	1,920	NM	Copper	1	Set of	6	4.433333	85	120	1	0.98%	3
4	STA110+22.24	3	1,231	NM	Copper	1	Set of	6	0.366667	152	120	1	1.02%	4
5	STA110+74.43	4	750	NM	Copper	1	Set of	6	0.183333	142	120	1	1.04%	5

Panel LC3 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	9	289	120	1	1.91%	2
3	LC3 RECEPTACLE 1 ob	2	986	NM	Copper	1	Set of	6	1.5	109	120	1	2.03%	3
4	LC3 RECEPTACLE 1	3	720	NM	Copper	1	Set of	10	1.5	15	15	1	2.36%	4

Panel LC3 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.5	141	120	1	1.09%	2
3	LC3 PULL BOX 4	2	1,972	NM	Copper	1	Set of	6	6	84	120	1	1.46%	3
4	LC3 RECEPTACLE 2	3	1,258	NM	Copper	1	Set of	10	4.5	117	120	1	2.42%	4
5	LC3 RECEPTACLE 3	4	559	NM	Copper	1	Set of	10	3	26	120	1	2.56%	5
6	LC3 RECEPTACLE 4	5	498	NM	Copper	1	Set of	10	1.5	37	120	1	2.67%	6

Panel LC3 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 5	1	42,472	NM	Copper	1	Set of	4	9	304	120	1	1.32%	2
3	LC3 RECEPTACLE 5	2	1,458	NM	Copper	1	Set of	6	6	165	120	1	2.05%	3
4	LC3 RECEPTACLE 6	3	799	NM	Copper	1	Set of	10	4.5	28	120	1	2.28%	4
5	LC3 RECEPTACLE 7	4	671	NM	Copper	1	Set of	10	1.5	19	120	1	2.33%	5

X PANEL LC3 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

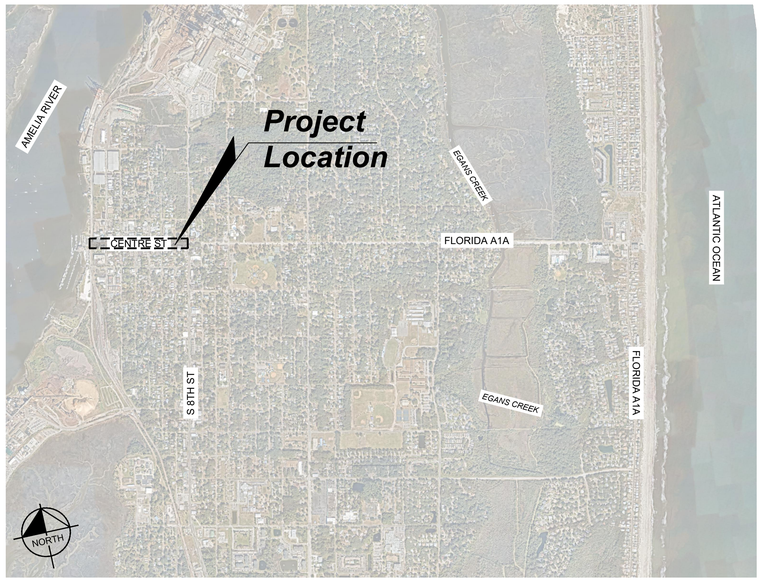
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.07 January 08, 2025 10:47:13am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

STREETSCAPE PLANS
HARDSCAPE, PLANTING, IRRIGATION
FOR
CITY OF FERNANDINA BEACH - FLORIDA
PHASE I - CENTRE STREET

JANUARY 8TH, 2025



VICINITY MAP
NOT TO SCALE

LANDSCAPE ARCHITECT:
MATTHEW A. JURNEY, PLA
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 420-4779

CIVIL ENGINEER:
BRIAN DEITSCH, PE.
KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE (904) 828-3936

TOPOGRAPHIC SURVEYOR:
MICHAEL A. MANZIE, PLS.
117 SOUTH NINTH STREET
FERNANDINA BEACH, FLORIDA 32034
PHONE (904) 491-5700

ELECTRICAL ENGINEER:
PETER SYNTAX, PE
KIMLEY-HORN AND ASSOCIATES, INC.
1661 E CAMELBACK RD #400
PHEONIX, ARIZONA
PHONE: (602) 291-9521

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

COVER SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.00 January 08, 2025 10:23:39am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C0.00_COVER SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SURVEY INDEX TABLE	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY

BRIAN S. DEITSCH LICENSE No. 77073 STATE OF FLORIDA PROFESSIONAL ENGINEER

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
BRIAN S. DEITSCH No. 77073

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BRIAN S. DEITSCH, P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

INDEX OF SHEETS	
Sheet Number	Sheet Title
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN

REGISTERED LANDSCAPE ARCHITECT MATTHEW A. JURNEY LA6666993 STATE OF FLORIDA

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
MATTHEW A. JURNEY, PLA No. LA6666993

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MATTHEW A. JURNEY, PLA ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 6110.11.010 F.A.C..

INDEX OF SHEETS	
Sheet Number	Sheet Title
C0.00	COVER SHEET
C0.01	SIGNATURE SHEET
C0.02	GENERAL NOTES
C0.03	STORM WATER POLLUTION PREVENTION DETAILS
C0.04	KEY MAP
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C2.50	TREE DISPOSITION NOTES AND DETAILS
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
H1.01	HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
H1.08	HARDSCAPE PLAN SCHEDULES
H1.50	HARDSCAPE DETAILS
H1.51	HARDSCAPE DETAILS
H1.52	HARDSCAPE DETAILS
H1.53	HARDSCAPE DETAILS
H1.54	HARDSCAPE DETAILS

L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L1.08	PLANTING SCHEDULE
L1.50	PLANTING NOTES
L1.51	PLANTING DETAILS
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN
L2.08	IRRIGATION SCHEDULES
L2.50	IRRIGATION NOTES
L2.51	IRRIGATION DETAILS
L2.52	IRRIGATION DETAILS

PETER M. SYNTAX LICENSE No. 74259 STATE OF FLORIDA PROFESSIONAL ENGINEER

02/28/2025

Kimley-Horn and Associates, Inc.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
CERTIFICATE OF AUTHORIZATION: 35106
PETER SYNTAX No. 74259

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PETER SYNTAX ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

LIGHTING PLANS	
Sheet Number	Sheet Title
E1.00	GENERAL NOTES
E1.01	LIGHTING PLAN
E1.02	LIGHTING PLAN
E1.03	LIGHTING PLAN
E1.04	LIGHTING PLAN
E1.05	LIGHTING PLAN
E1.06	LIGHTING PLAN
E1.07	LIGHTING PLAN
E2.01	LIGHTING PLAN
E2.02	LIGHTING PLAN
E2.03	LIGHTING PLAN
E2.04	LIGHTING PLAN
E2.05	LIGHTING PLAN
E2.06	LIGHTING PLAN
E2.07	LIGHTING PLAN
E2.08	LIGHTING PLAN
E2.09	LIGHTING PLAN
E2.10	LIGHTING PLAN
E2.11	LIGHTING PLAN
E2.12	LIGHTING PLAN
E3.01	LIGHTING DETAILS
E3.02	LIGHTING DETAILS
E3.03	LIGHTING PANEL SCHEDULES
E3.04	LIGHTING DETAILS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

SIGNATURE SHEET

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.01

Plotted By:Zlegmont Charles Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.01 January 08, 2025 11:26:51am K:\JAX_LALP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CADD\Plan Sheets\C0.01 SIGNATURE SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL SURVEY
SHEET NUMBER: S0.00

MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY

PORTIONS OF CENTRE STREET (AKA ATLANTIC AVENUE), ASH STREET, BEECH STREET, ALACHUA STREET, SOUTH & NORTH 2ND, 3RD, 4TH, 5TH & 6TH STREETS

A PORTION OF SECTIONS 22 & 23, TOWNSHIP 3 NORTH, RANGE 28 EAST, NASSAU COUNTY, FLORIDA.

(THIS IS NOT A BOUNDARY SURVEY)

SITE BENCHMARK #1
NAIL & DISK "MANZIE LB 7039" SET IN WOOD POWER POLE
ELEVATION = 8.90' N.A.V.D. 1988
FIELD BOOK X-S51, PAGE 6

REFERENCE BENCHMARK
BRASS DISK ON CITY HALL BUILDING
STAMPED "USGS 872 0030 TIDAL 36"
ELEVATION = 12.36' N.A.V.D. 1988

SITE BENCHMARK #2
SOUTH THIRD ST. FLANGE BOLT OF FIRE HYDRANT
ELEVATION = 10.95' N.A.V.D. 1988
FIELD BOOK = X-S51, PAGE 8

SITE BENCHMARK #3
NAIL & DISK SET IN WOOD POWER POLE
ELEVATION = 11.99' N.A.V.D. 1988
FIELD BOOK = X-S51, PAGE 9

SITE BENCHMARK #4
NAIL & DISK "MANZIE LB 7039"
SET IN WOOD POWER POLE
ELEVATION = 16.17' N.A.V.D. 1988
FIELD BOOK = X-S51, PAGE 9

SITE BENCHMARK #5
SOUTHERN-MOST CORNER OF MARBLE DEDICATION INLAY AT THE BASE OF THE SINCLAIR MEMORIAL
ELEVATION = 20.45' N.A.V.D. 1988
FIELD BOOK = X-276, PAGES 12-14

GRAPHIC SCALE
0 50 100 200 400
1 INCH = 100 FEET

CITY OF FERNANDINA BEACH FLORIDA

TREE LEGEND
CAMP = CAMPHOR TREE
CDR = CEDAR TREE
CHY = BLACK CHERRY TREE
CIT = CITRUS TREE
GUM = GUM TREE
HB = HACKBERRY TREE
HKY = HICKORY TREE
HLY = HOLLY TREE
MAG = MAGNOLIA TREE
MIM = MIMOSA TREE
O = OAK TREE
ORN = ORNAMENTAL TREE
P = PINE TREE
PM = PALM TREE

TREE DISCLAIMER:
NUMBER OF TREES SHOWN ON SURVEY: 500

SPECIES OF TREES HAVE BEEN IDENTIFIED TO THE BEST OF OUR KNOWLEDGE AND BELIEF; HOWEVER MANZIE & DRAKE LAND SURVEYING WILL ASSUME NO LIABILITY, EXPRESSED OR IMPLIED, FOR THE CORRECTNESS OF SAID SPECIES IDENTIFICATION.

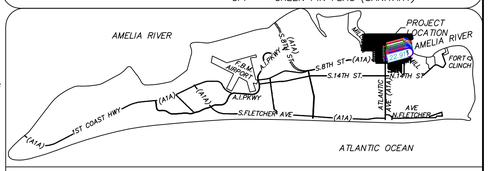
TREES HAVE BEEN LOCATED AS ACCURATELY AS POSSIBLE UNDER CURRENT CONDITIONS AND HAVE A POSITIONAL TOLERANCE OF APPROXIMATELY 2 TO 3 FEET. CRITICAL TREES SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

ADDITIONAL PROJECT ELEVATIONS
ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

LEGEND

—OHU—	= OVERHEAD UTILITY WIRES	CH	= CHORD
C	= COMMUNICATIONS PEDESTAL	x—x—x=	4' CHAIN LINK
CONC	= CONCRETE FLATWORK	o—o—o=	6' METAL RAIL FENCE
E	= ELECTRICITY METER	ERCP	= ELLIPTICAL REINFORCED CONCRETE PIPE
	= FIRE HYDRANT	CMP	= CORRUGATED METAL PIPE
G	= GAS MARKER POST	RCP	= REINFORCED CONCRETE PIPE
S	= SEWER MARKER POST	PVC	= POLYVINYL CHLORIDE
W	= WATER METER	HDPE	= HIGH-DENSITY POLYETHYLENE
	= WOOD FENCE	L	= LENGTH
	= WOOD POWER POLE	MB	= MAILBOX
	= GUY ANCHOR	NAVD	= NORTH AMERICAN VERTICAL DATUM
M	= MONITORING WELL	O.R.B.	= OFFICIAL RECORDS BOOK
WV	= WATER VALVE	P.C.	= POINT OF CURVATURE
GV	= GATE VALVE	R	= RADIUS
SV	= SEWER VALVE	R/W	= RIGHT-OF-WAY
ICV	= IRRIGATION CONTROL VALVE	P.I.N.	= PARCEL IDENTIFICATION NUMBER
	= SIGN	P.T.	= POINT OF TANGENCY
	= BENCHMARK	(M)	= MEASURED
℄	= CENTERLINE	BHW	= BRICK HEADWALL
Δ	= CENTRAL ANGLE	BPM	= BLUE PAINT MARK (WATER)
CB	= CHORD BEARING	YPM	= YELOW PAINT MARK (GAS)
CD	= CHORD DISTANCE	GPM	= GREEN PAINT MARK (SANITARY)
		GPF	= GREEN PIN FLAG (SANITARY)

SURVEY NOTES:
1) This is not a boundary survey.
2) Except where otherwise indicated, underground improvements were not located or shown.
4) Lands shown hereon were not abstracted by this office for easements, rights-of-way, ownership or other instruments of record.
5) Bearings & Coordinates shown hereon are based on The State Plane Coordinate System for The East Zone of The State of Florida, North American Datum of 1983/1990 (N.A.D. '83/'90).
7) Site Benchmarks are as shown hereon.
8) Elevations shown hereon refer to North American Vertical Datum of 1988. (N.A.V.D. '88)
9) The Reference Benchmark is published benchmark D-144. (Elevation = 13.90' N.A.V.D. 1988)



VICINITY MAP
SCALE = 1" = 10,560'
(1" = 2 MILES)

THE INFORMATION SHOWN HEREON MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

MICHAEL A. MANZIE, P.L.S. 4069

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491-5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 1 OF 14

"OUR ***SIGHTS*** ARE ON THE FUTURE, SET YOUR ***SITES*** ON US."

SCALE: 1"=100' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD
F.B. NO: X-385 PAGE NO: 1-10 CREW: SS FILE NO: C-1272

SURVEY
SHEET NUMBER: S0.01

MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY

ADDITIONAL PROJECT ELEVATIONS
ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

GRAPHIC SCALE
0 50 100 200 400
1 INCH = 100 FEET

FRONT STREET
(60-FOOT RIGHT-OF-WAY)

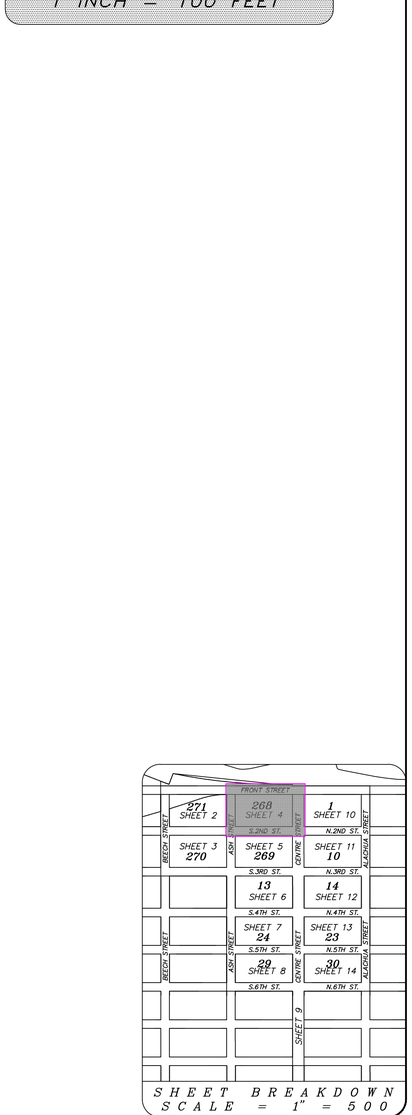
ASH STREET
(60-FOOT RIGHT-OF-WAY)

CENTRE STREET
(80-FOOT RIGHT-OF-WAY)
"AKA ATLANTIC AVENUE"

SOUTH SECOND STREET
(60-FOOT RIGHT-OF-WAY)

BLOCK 268 BLOCK 269 BLOCK 270 BLOCK 271

ADDITIONAL ELEVATIONS – OCTOBER 2024		
POINT	LAYER NAME	DESCRIPTION
x14.02	= POINTS-TOPO-OCT2024-ALCOVE ELEV	ELEVATION IN ALCOVE
x5.92	= POINTS-TOPO-OCT2024-BRICK STAMPED CONC ELEV	ELEVATION ON BRICK DESIGN STAMPED CONCRETE
x15.74	= POINTS-TOPO-OCT2024-PEBBLE WALK ELEV	ELEVATION ON PEBBLE-ROCK FLATWORK
x12.31	= POINTS-TOPO-OCT2024-ASPHALT ELEV	ELEVATION ON ASPHALT
x11.67	= POINTS-TOPO-OCT2024-BRICK ELEV	ELEVATION ON BRICK FLATWORK (NOT STAMPED CONCRETE)
x17.69	= POINTS-TOPO-OCT2024-HEX STAMPED CONC ELEV	ELEVATION ON HEX STAMPED CONCRETE FLATWORK
x9.26	= POINTS-TOPO-OCT2024-CONC ELEV	ELEVATION ON CONCRETE FLATWORK (NO STAMPING)
x8.85	= POINTS-TOPO-OCT2024-BRICK WALL ELEV (TOP)	ELEVATION ON BRICK WALL (TOP OF WALL)
x20.57	= POINTS-TOPO-OCT2024-ROUND COLUMN ELEV (TOP)	ELEVATION ON 12" ROUND COLUMN (TOP OF COLUMN)
x15.31	= POINTS-TOPO-OCT2024-COPING WALL ELEV (TOP)	ELEVATION ON COPING WALL (TOP OF WALL)
x8.96	= POINTS-TOPO-OCT2024-GRANITE CURB ELEV (TOP)	ELEVATION ON BACK OF GRANITE CURB (TOP OF CURB)
x9.53	= POINTS-TOPO-OCT2024-HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH-BACK CURB" (TOP OF CURB)



SHEET BREAKDOWN
SCALE = 1" = 500

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491-5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 4 OF 14

"OUR *SIGHTS* ARE ON THE FUTURE, SET YOUR *SITES* ON US."

SCALE: 1"=20' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD
F.B. NO: X-385 PAGE NO: 1-10 CREW: SS FILE NO: C-1272

SURVEY

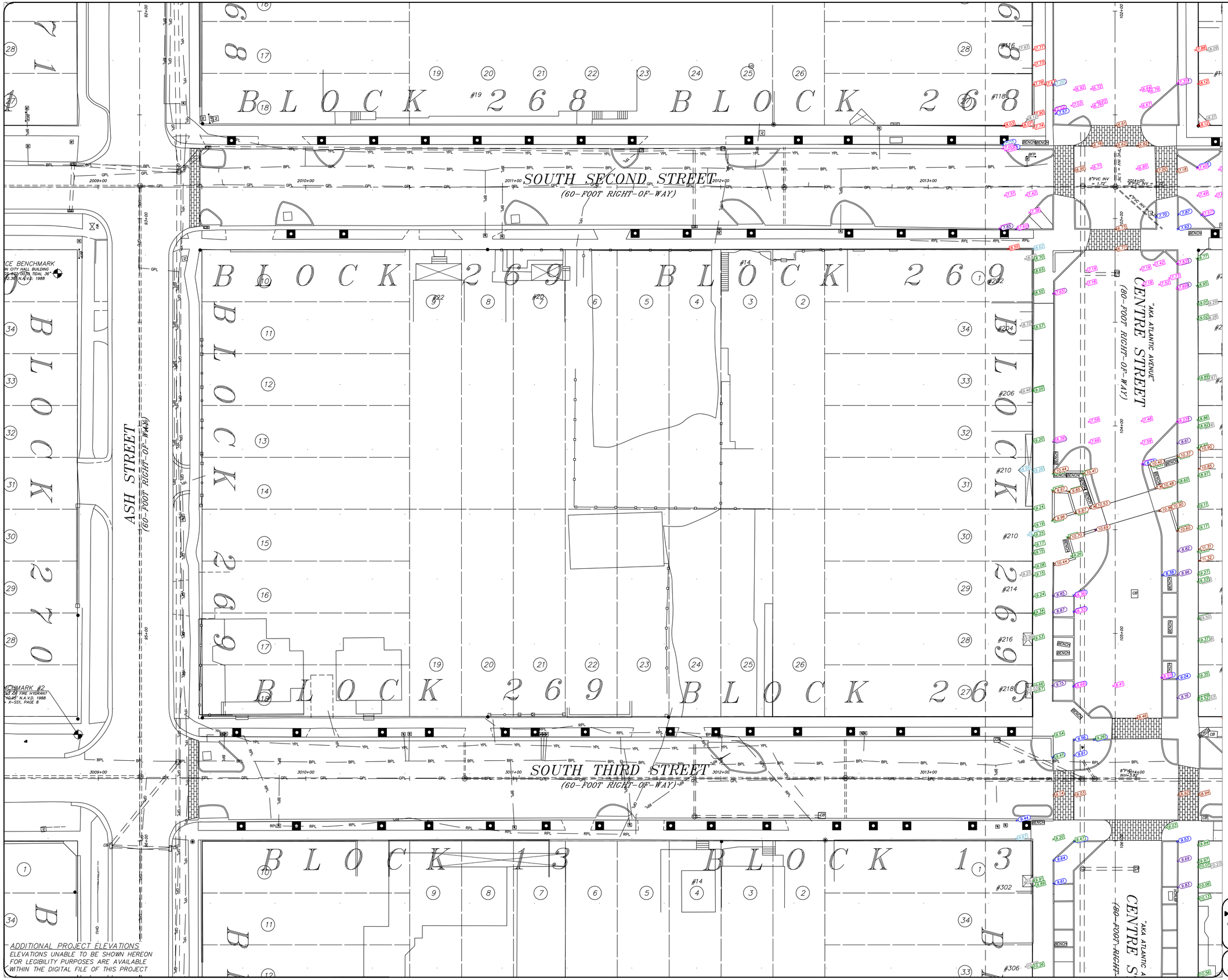
SHEET NUMBER: S0.02

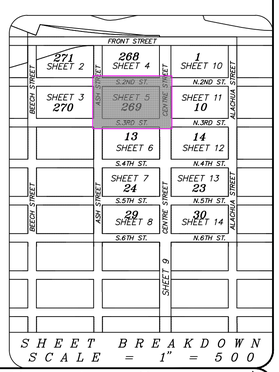
MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY

GRAPHIC SCALE
0 50 100 200 400
1 INCH = 100 FEET

ADDITIONAL ELEVATIONS – OCTOBER 2024

POINT	LAYER NAME	DESCRIPTION
14.22	POINTS–TOPO–OCT2024–ALCOVE ELEV	ELEVATION IN ALCOVE
9.53	POINTS–TOPO–OCT2024–BRICK STAMPED CONC ELEV	ELEVATION ON BRICK DESIGN STAMPED CONCRETE
15.74	POINTS–TOPO–OCT2024–PEBBLE WALK ELEV	ELEVATION ON PEBBLE–ROCK FLATWORK
12.31	POINTS–TOPO–OCT2024–ASPHALT ELEV	ELEVATION ON ASPHALT
11.67	POINTS–TOPO–OCT2024–BRICK ELEV	ELEVATION ON BRICK FLATWORK (NOT STAMPED CONCRETE)
17.59	POINTS–TOPO–OCT2024–HEX STAMPED CONC ELEV	ELEVATION ON HEX STAMPED CONCRETE FLATWORK
8.29	POINTS–TOPO–OCT2024–CONC ELEV	ELEVATION ON CONCRETE FLATWORK (NO STAMPING)
8.85	POINTS–TOPO–OCT2024–BRICK WALL ELEV (TOP)	ELEVATION ON BRICK WALL (TOP OF WALL)
20.57	POINTS–TOPO–OCT2024–ROUND COLUMN ELEV (TOP)	ELEVATION ON 12" ROUND COLUMN (TOP OF COLUMN)
15.37	POINTS–TOPO–OCT2024–COPING WALL ELEV (TOP)	ELEVATION ON COPING WALL (TOP OF WALL)
8.36	POINTS–TOPO–OCT2024–GRANITE CURB ELEV (TOP)	ELEVATION ON BACK OF GRANITE CURB (TOP OF CURB)
9.53	POINTS–TOPO–OCT2024–HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH–BACK CURB" (TOP OF CURB)





SHEET BREAKDOWN
SCALE = 1" = 500

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491–5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 5 OF 14

"OUR *SIGHTS* ARE ON THE FUTURE, SET YOUR *SITES* ON US."

SCALE: 1"=20' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD
F.B. NO: X–385 PAGE NO: 1–10 CREW: SS FILE NO: C–1272

ADDITIONAL PROJECT ELEVATIONS
ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

SURVEY

SHEET NUMBER: S0.03

MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY

MANZIE & DRAKE LAND SURVEYING

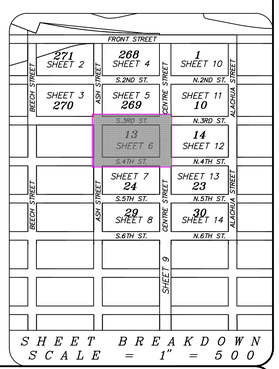
GRAPHIC SCALE

0 50 100 200 400

1 INCH = 100 FEET

ADDITIONAL ELEVATIONS - OCTOBER 2024

POINT	LAYER NAME	DESCRIPTION
10.57	PONTS-TOPO-OCT2024-ALCOVE ELEV	ELEVATION IN ALCOVE
8.98	PONTS-TOPO-OCT2024-HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH-BACK CURB" (TOP OF CURB)
15.31	PONTS-TOPO-OCT2024-GRANITE CURB ELEV (TOP)	ELEVATION ON BACK OF GRANITE CURB (TOP OF CURB)
28.57	PONTS-TOPO-OCT2024-COPING WALL ELEV (TOP)	ELEVATION ON COPING WALL (TOP OF WALL)
8.85	PONTS-TOPO-OCT2024-ROUND COLUMN ELEV (TOP)	ELEVATION ON 12" ROUND COLUMN (TOP OF COLUMN)
8.85	PONTS-TOPO-OCT2024-BRICK WALL ELEV (TOP)	ELEVATION ON BRICK WALL (TOP OF WALL)
8.85	PONTS-TOPO-OCT2024-CONC ELEV	ELEVATION ON CONCRETE FLATWORK (NO STAMPING)
17.89	PONTS-TOPO-OCT2024-HEX STAMPED CONC ELEV	ELEVATION ON HEX STAMPED CONCRETE FLATWORK
17.89	PONTS-TOPO-OCT2024-BRICK ELEV	ELEVATION ON BRICK FLATWORK (NOT STAMPED CONCRETE)
17.21	PONTS-TOPO-OCT2024-ASPHALT ELEV	ELEVATION ON ASPHALT
17.31	PONTS-TOPO-OCT2024-PEBBLE WALK ELEV	ELEVATION ON PEBBLE-ROCK FLATWORK
15.74	PONTS-TOPO-OCT2024-BRICK STAMPED CONC ELEV	ELEVATION ON BRICK DESIGN STAMPED CONCRETE
15.32	PONTS-TOPO-OCT2024-ALCOVE ELEV	ELEVATION IN ALCOVE
14.22	PONTS-TOPO-OCT2024-HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH-BACK CURB" (TOP OF CURB)



SHEET BREAKDOWN
SCALE = 1" = 500

ADDITIONAL PROJECT ELEVATIONS

ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491-5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 6 OF 14

"OUR ***SIGHTS*** ARE ON THE FUTURE, SET YOUR ***SITES*** ON US."

SCALE: 1"=20' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD

F.B. NO: X-385 PAGE NO: 1-10 CREW: SS FILE NO: C-1272

SURVEY

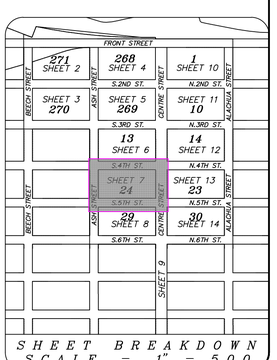
SHEET NUMBER: S0.04

MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY

GRAPHIC SCALE
0 50 100 200 400
1 INCH = 100 FEET

ADDITIONAL ELEVATIONS - OCTOBER 2024

POINT	LAYER NAME	DESCRIPTION
(11.82)	POINTS-TOPO-OCT2024-ALCOVE ELEV	ELEVATION IN ALCOVE
(11.82)	POINTS-TOPO-OCT2024-CONC ELEV	ELEVATION ON CONCRETE FLATWORK (NO STAMPING)
(12.28)	POINTS-TOPO-OCT2024-HEX STAMPED CONC ELEV	ELEVATION ON HEX STAMPED CONCRETE FLATWORK
(11.82)	POINTS-TOPO-OCT2024-BRICK ELEV	ELEVATION ON BRICK FLATWORK (NOT STAMPED CONCRETE)
(11.91)	POINTS-TOPO-OCT2024-ASPHALT ELEV	ELEVATION ON ASPHALT
(15.74)	POINTS-TOPO-OCT2024-PEBBLE WALK ELEV	ELEVATION ON PEBBLE-ROCK FLATWORK
(15.92)	POINTS-TOPO-OCT2024-BRICK STAMPED CONC ELEV	ELEVATION ON BRICK DESIGN STAMPED CONCRETE
(8.85)	POINTS-TOPO-OCT2024-BRICK WALL ELEV (TOP)	ELEVATION ON BRICK WALL (TOP OF WALL)
(12.37)	POINTS-TOPO-OCT2024-ROUND COLUMN ELEV (TOP)	ELEVATION ON 12" ROUND COLUMN (TOP OF COLUMN)
(15.31)	POINTS-TOPO-OCT2024-COPING WALL ELEV (TOP)	ELEVATION ON COPING WALL (TOP OF WALL)
(8.96)	POINTS-TOPO-OCT2024-GRANITE CURB ELEV (TOP)	ELEVATION ON BACK OF GRANITE CURB (TOP OF CURB)
(9.53)	POINTS-TOPO-OCT2024-HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH-BACK CURB" (TOP OF CURB)



SHEET BREAKDOWN
SCALE = 1" = 500

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491-5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 7 OF 14

"OUR *SIGHTS* ARE ON THE FUTURE, SET YOUR *SITES* ON US."

SCALE: 1"=20' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD
F.B. NO: X-385 PAGE NO: 1-10 CREW: SS FILE NO: C-1272

SOUTH FOURTH STREET
(60-FOOT RIGHT-OF-WAY)

SOUTH FIFTH STREET
(60-FOOT RIGHT-OF-WAY)

ASH STREET
(60-FOOT RIGHT-OF-WAY)

CENTRE STREET
"AKA ATLANTIC AVENUE"
(60-FOOT RIGHT-OF-WAY)

BLOCK 13
BLOCK 23
BLOCK 24
BLOCK 29

#316A
#317
#318
#319
#322
#402
#406
#416
#500
#501

(2)12" DIAMETER ROUND COLUMN

SITE BENCHMARK #4
NAIL & DISK "MANZIE LB 7039"
SET IN WOOD POWER POLE
ELEVATION = 16.17' N.A.V.D. 1988
FIELD BOOK = X-551, PAGE 9

ADDITIONAL PROJECT ELEVATIONS
ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

SURVEY

SHEET NUMBER: S0.05

MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY

SOUTH FIFTH STREET
(60-FOOT RIGHT-OF-WAY)

SOUTH SIXTH STREET
(60-FOOT RIGHT-OF-WAY)

ASH STREET
(60-FOOT RIGHT-OF-WAY)

CENTRE STREET
(80-FOOT RIGHT-OF-WAY)
"AKA ATLANTIC AVENUE"

BLOCK 24

BLOCK 29

BLOCK 37

(2)12" DIAMETER ROUND COLUMN

SITE BENCHMARK #4
NAIL & DISK "MANZIE LB 7039"
SET IN WOOD POWER POLE
ELEVATION = 16.17' N.A.V.D. 1988
FIELD BOOK = X-551, PAGE 9

#500 #501 #503A #503B #503C #530 #516

ADDITIONAL PROJECT ELEVATIONS
ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

MANZIE & DRAKE LAND SURVEYING
MANZIE & DRAKE LAND SURVEYING, INC.

GRAPHIC SCALE
0 50 100 200 400
1 INCH = 100 FEET

POINT	LAYER NAME	DESCRIPTION
+(15.83)	= POINTS-TOPO-OCT2024-ALCOVE ELEV	ELEVATION IN ALCOVE
+(15.92)	= POINTS-TOPO-OCT2024-BRICK STAMPED CONC ELEV	ELEVATION ON BRICK DESIGN STAMPED CONCRETE
+(15.74)	= POINTS-TOPO-OCT2024-PEBBLE WALK ELEV	ELEVATION ON PEBBLE-ROCK FLATWORK
+(12.78)	= POINTS-TOPO-OCT2024-ASPHALT ELEV	ELEVATION ON ASPHALT
+(17.67)	= POINTS-TOPO-OCT2024-BRICK ELEV	ELEVATION ON BRICK FLATWORK (NOT STAMPED CONCRETE)
+(17.69)	= POINTS-TOPO-OCT2024-HEX STAMPED CONC ELEV	ELEVATION ON HEX STAMPED CONCRETE FLATWORK
+(8.28)	= POINTS-TOPO-OCT2024-CONC ELEV	ELEVATION ON CONCRETE FLATWORK (NO STAMPING)
+(9.85)	= POINTS-TOPO-OCT2024-BRICK WALL ELEV (TOP)	ELEVATION ON BRICK WALL (TOP OF WALL)
+(10.37)	= POINTS-TOPO-OCT2024-ROUND COLUMN ELEV (TOP)	ELEVATION ON 12" ROUND COLUMN (TOP OF COLUMN)
+(6.96)	= POINTS-TOPO-OCT2024-COPING WALL ELEV (TOP)	ELEVATION ON COPING WALL (TOP OF WALL)
+(15.31)	= POINTS-TOPO-OCT2024-GRANITE CURB ELEV (TOP)	ELEVATION ON BACK OF GRANITE CURB (TOP OF CURB)
+(9.53)	= POINTS-TOPO-OCT2024-HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH-BACK CURB" (TOP OF CURB)

SHEET BREAKDOWN
SCALE = 1" = 500

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491-5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 8 OF 14

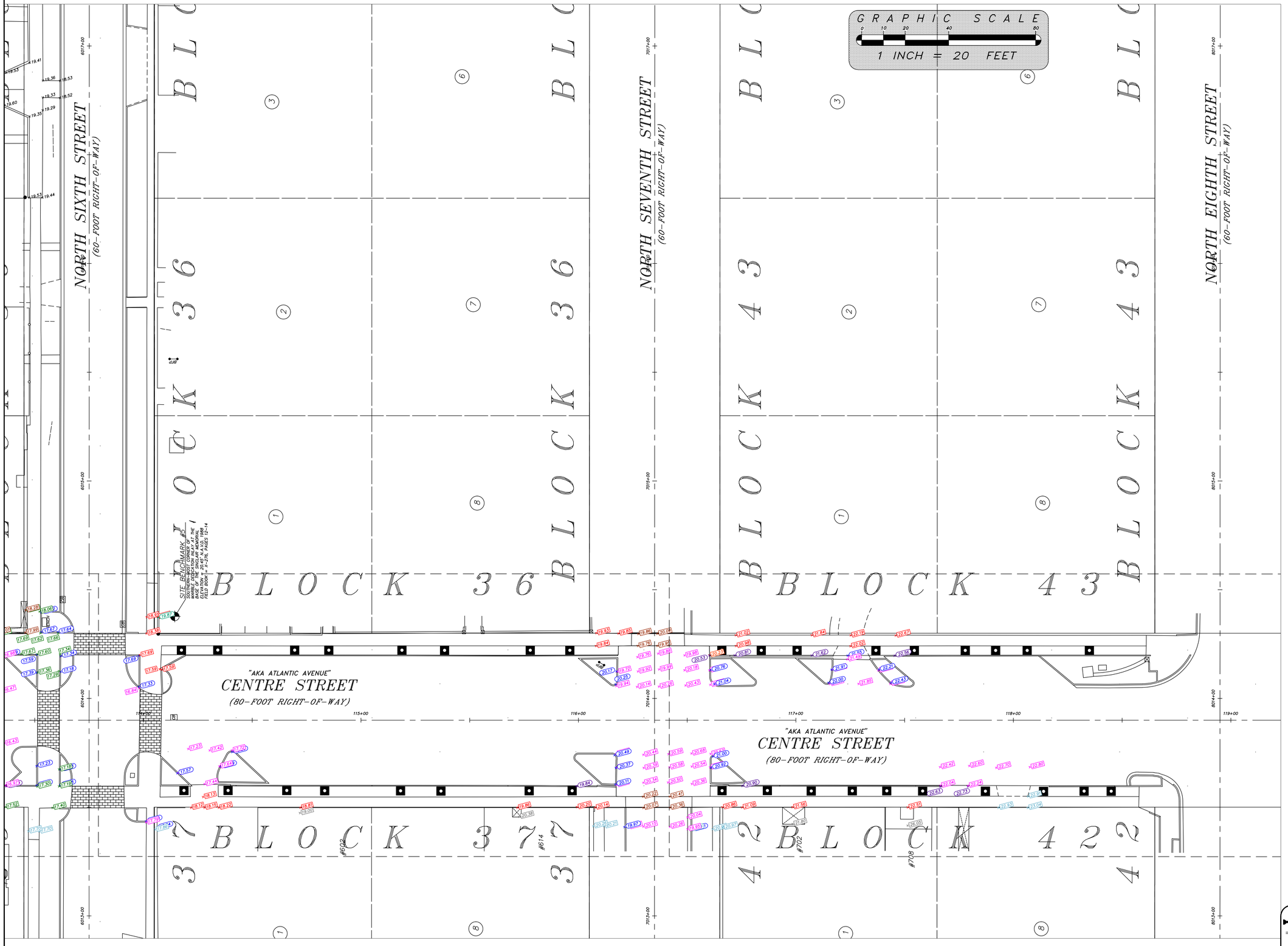
"OUR *SIGHTS* ARE ON THE FUTURE, SET YOUR *SITES* ON US."

SCALE: 1"=20' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD
F.B. NO: X-385 PAGE NO: 1-10 CREW: SS FILE NO: C-1272

SURVEY

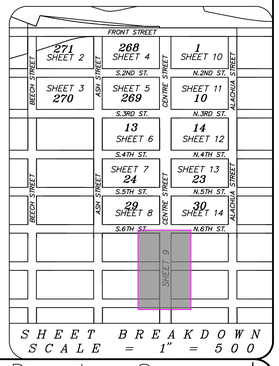
SHEET NUMBER: S0.06

MAP OF CITY OF FERNANDINA BEACH DOWNTOWN ROUTE SURVEY



ADDITIONAL ELEVATIONS – OCTOBER 2024

POINT	LAYER NAME	DESCRIPTION
14.02	POINTS-TOPO-OCT2024-ALCOVE ELEV	ELEVATION IN ALCOVE
15.92	POINTS-TOPO-OCT2024-BRICK STAMPED CONC ELEV	ELEVATION ON BRICK DESIGN STAMPED CONCRETE
15.74	POINTS-TOPO-OCT2024-PEBBLE WALK ELEV	ELEVATION ON PEBBLE-ROCK FLATWORK
15.11	POINTS-TOPO-OCT2024-ASPHALT ELEV	ELEVATION ON ASPHALT
17.67	POINTS-TOPO-OCT2024-BRICK ELEV	ELEVATION ON BRICK FLATWORK (NOT STAMPED CONCRETE)
17.69	POINTS-TOPO-OCT2024-HEX STAMPED CONC ELEV	ELEVATION ON HEX STAMPED CONCRETE FLATWORK
18.06	POINTS-TOPO-OCT2024-CONC ELEV	ELEVATION ON CONCRETE FLATWORK (NO STAMPING)
18.86	POINTS-TOPO-OCT2024-BRICK WALL ELEV (TOP)	ELEVATION ON BRICK WALL (TOP OF WALL)
20.57	POINTS-TOPO-OCT2024-ROUND COLUMN ELEV (TOP)	ELEVATION ON 12" ROUND COLUMN (TOP OF COLUMN)
15.33	POINTS-TOPO-OCT2024-COPING WALL ELEV (TOP)	ELEVATION ON COPING WALL (TOP OF WALL)
18.86	POINTS-TOPO-OCT2024-GRANITE CURB ELEV (TOP)	ELEVATION ON BACK OF GRANITE CURB (TOP OF CURB)
9.53	POINTS-TOPO-OCT2024-HIGH BACK CURB ELEV (TOP)	ELEVATION ON BACK OF STANDARD "HIGH-BACK CURB" (TOP OF CURB)



SHEET BREAKDOWN
SCALE = 1" = 500

ADDITIONAL PROJECT ELEVATIONS
ELEVATIONS UNABLE TO BE SHOWN HEREON FOR LEGIBILITY PURPOSES ARE AVAILABLE WITHIN THE DIGITAL FILE OF THIS PROJECT

MANZIE & DRAKE LAND SURVEYING
117 South Ninth Street, Fernandina Beach, FL 32034
(904) 491-5700 www.ManzieAndDrake.com
Certificate of Authorization Number "LB 7039"

SHEET 9 OF 14

"OUR ***SIGHTS*** ARE ON THE FUTURE, SET YOUR ***SITES*** ON US."

SCALE: 1"=20' JOB NO: 21762 DATE: 01/08/2024 CADD: WKD
F.B. NO: X-385 PAGE NO: 1-10 CREW: SS FILE NO: C-1272

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITIES AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AND/OR CODES.

2. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE DESIGN PROFESSIONAL AT THE TIME OF THE TOPOGRAPHIC SURVEY. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR DESIGN PROFESSIONAL WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, LICENSES, AND BONDS AS REQUIRED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL OBTAIN COPIES OF AND FAMILIARIZE HIMSELF AND HIS SUBCONTRACTORS WITH THE PERMIT CONDITIONS OF ALL OWNER OBTAINED PERMITS FOR THE WORK.

5. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE DESIGN PROFESSIONAL.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER/DESIGN PROFESSIONAL PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER/DESIGN PROFESSIONAL OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

8. ACCESS TO BUSINESSES AND BUILDING ACCESS POINTS SHALL BE MAINTAINED TO THE GREATEST EXTENT PRACTICAL. WHEN ACCESS CANNOT BE MAINTAINED, THE TIME OF NON-ACCESS SHALL BE MINIMIZED AND CLOSELY COORDINATED WITH THE PROPERTY OWNER.

9. ANY DAMAGE TO PRIVATE PROPERTY MADE BY THE CONTRACTOR SHALL BE PROMPTLY REPAIRED TO AN EQUAL OR BETTER CONDITION AS IT WAS BEFORE COMMENCEMENT OF THE WORK.

10. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.

11. WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL HOLD AND PROTECT POLE DURING CONSTRUCTION AT THE CONTRACTORS EXPENSE.

DEMOLITION NOTES:

1. REFER TO THE EXISTING CONDITION SHEET FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, PIPES, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO REMAIN OR RELOCATED. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.

2. THE CONTRACTOR SHALL REFER TO THE PLANS FOR DEMOLITION/PRESERVATION OF EXISTING TREES AND LANDSCAPING. ALL TREES AND LANDSCAPING NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE/LANDSCAPING PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.

3. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS 30 DAYS IN ADVANCE TO RELOCATION LANDSCAPING IN CONFLICT WITH THE WORK. LANDSCAPE IN CONFLICT, LEFT IN PLACE, SHALL BE REMOVED AND REPLACED BY CONTRACTOR (IN RIGHT-OF-WAY ONLY) UNLESS OTHERWISE NOTED.

4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

5. ALL ELEVATION MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED.

6. CONTRACTOR SHALL EXERCISE CAUTION WHILE REMOVING AND/OR RELOCATING EXISTING SIGNS IN ORDER TO PREVENT ANY UNNECESSARY DAMAGE TO THE SIGNS. SIGNS WHICH ARE DAMAGED BEYOND USE AS DETERMINED BY THE ENGINEER SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

PAVING, GRADING, AND DRAINAGE NOTES:

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH STANDARDS APPLICABLE TO PUBLIC RIGHTS-OF-WAY STANDARDS AND EASEMENTS WITHIN THE CITY OF FERNANDINA BEACH OR FDOT SPECIFICATIONS AND STANDARDS (2017-18) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.

2. ALL ELEVATIONS SHOWN REFER TO NAVD 1988.

3. CONSTRUCT CURBING IN ACCORDANCE WITH PROJECT DETAILS AS APPLICABLE.

4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL.

10. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AND AS INDICATED ON THE DRAWINGS.

11. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH SPECIFICATIONS, THE LOCAL JURISDICTIONAL AGENCY, OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

16. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.

WATER AND SEWER UTILITY NOTES:

1. CONTRACTOR SHALL COORDINATE WITH CITY OF FERNANDINA BEACH UTILITY DEPARTMENT PRIOR TO CONSTRUCTION. IF THE UTILITY DEPARTMENT ELECTS TO REPLACE WATER/SEWER SERVICE LINES DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE STREETSCAPE IMPROVEMENTS WITH THE CITY'S UTILITY REPLACEMENTS.

2. WATER SERVICES AND SANITARY SERVICES SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION. THE FIRE MARSHALL MUST BE NOTIFIED IN ADVANCE OF ANY INTERRUPTION TO FIRE SERVICES.

3. WATER METERS FOUND TO BE IN CONFLICT WITH THE PROPOSED CURBING SHALL BE RELOCATED. ALL WATER METER RELOCATIONS SHALL BE APPROVED BY THE CITY OF FERNANDINA BEACH PRIOR TO THE CONTRACTOR PROCEEDING WITH THE RELOCATION.

4. ALL WATER METER COVERS ON PROJECT TO BE REPLACED. WATER METER BOX COVERS FOR THIS PROJECT SHALL BE AS FOLLOWS:
   1. CDR 15" X 17" TIER 8 BY HUBBELL OR APPROVED EQUAL (DUAL METERS)
   2. QUAZITE 11" X 18" TIER 8 BY HUBBELL OR APPROVED EQUAL (1" METER)

5. WATER METER COVERS SHALL BE SKID RESISTANT AND BE STAINED TO MATCH PROPOSED PAVERS AND/OR CONCRETE

SIGNING AND MARKING NOTES:

1. CONTRACTOR TO STORE AND PROTECT ANY EXISTING PLACARDS AND REUSE WHEREVER POSSIBLE ON NEW SIGN POSTS. ALL NEW SIGNS FURNISHED FOR THIS PROJECT TO BE DIAMOND GRADE. NEW SIGN POSTS FOUNDATIONS AND BREAKAWAY SLIP BASE SHALL CONFORM TO FDOT STANDARD INDEX 11860. SIGN POST MATERIAL AND COLOR TO BE COORDINATED WITH THE CITY OF FERNANDINA BEACH.

2. SIGNAGE ON PRIVATE PROPERTY IS TO REMAIN AND BE PROTECTED UNLESS OTHERWISE NOTED.

3. SIGN PLACEMENT FOR STOP SIGN SHOULD BE IN ACCORDANCE WITH FIGURE 2A-1. OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). HEIGHTS AND LATERAL LOCATION OF STOP SIGNS REFER TO SECTION 2A.16 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

4. SIGN PLACEMENT SHALL CONFORM TO FDOT STANDARD INDEX 17302.

5. PARKING SIGNS WITH DIRECTION ARROWS SHALL BE INSTALLED AT AN ANGLE OF NOT LESS THAN 30° BUT NOT MORE THAN 45° WITH THE LINE OF TRAFFIC FLOW.

EROSION CONTROL NOTES:

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THESE EROSION CONTROL NOTES, THE STANDARD DETAILS, ATTACHMENTS INCLUDED IN SPECIFICATIONS, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

2. CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF INTENT TO USE THE CITY'S NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AS REQUIRED PRIOR TO THE START OF WORK.

3. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

4. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

5. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.

6. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.

7. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

8. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO WATERS OF THE STATE.

11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.

12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.

13. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

14. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE AND AT THE CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE PROJECT.

16. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

17. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

18. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.

19. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

EROSION CONTROL MAINTENANCE:

ALL MEASURES STATED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

3. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

4. TEMPORARY PARKING AND STORAGE AREAS SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

5. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

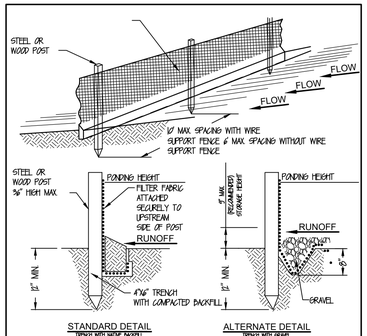
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

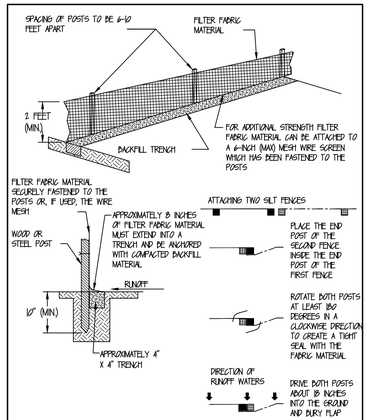
SHEET NUMBER
C0.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.02 January 08, 2025 10:26:18am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

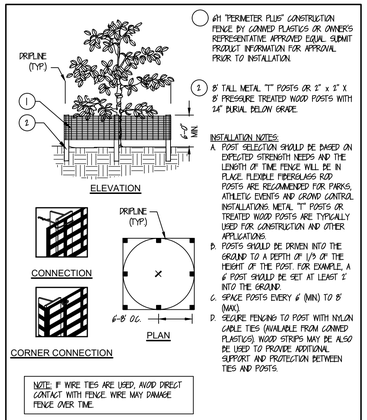


NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
1. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED
2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL



SILT FENCE INSTALLATION DETAIL

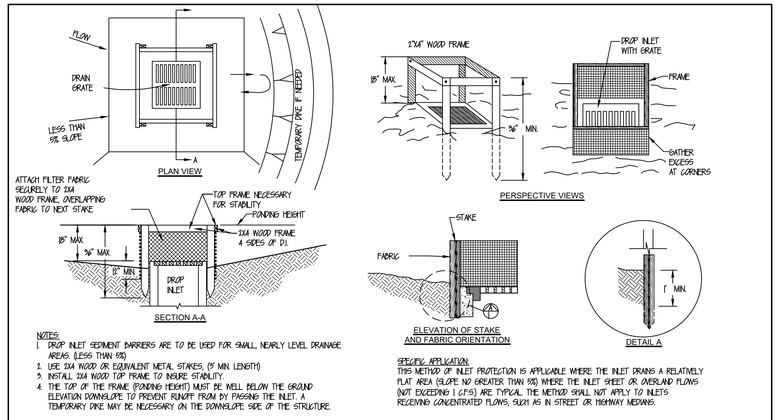


1. #11 "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:
A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
C. SPACE POSTS EVERY 6' (MIN) TO 8' (MAX).
D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

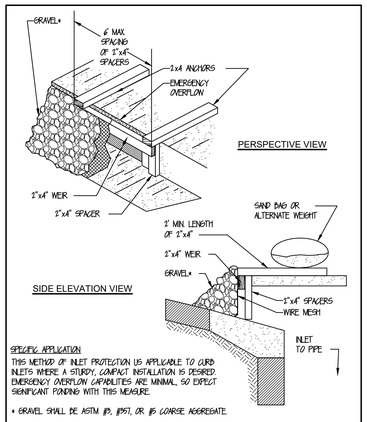
TREE BARRICADE



NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%)
2. USE 2X4 WOOD OR EQUIVALENT METAL STAKES, (3' MIN LENGTH)
3. INSTALL 2X4 WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

SPECIFIC APPLICATION:
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

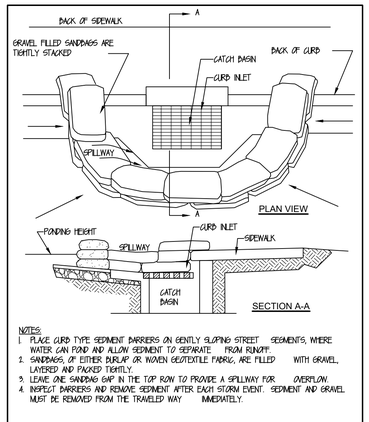
FILTER FABRIC DROP INLET SEDIMENT BARRIER



SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE TO CURB INLETS WHERE A STURDY, COMPACT INSTALLATION IS DESIRED. EMERGENCY OVERFLOW CAPABILITIES ARE MINIMAL, SO EXPECT SIGNIFICANT PONDING WITH THIS MEASURE.

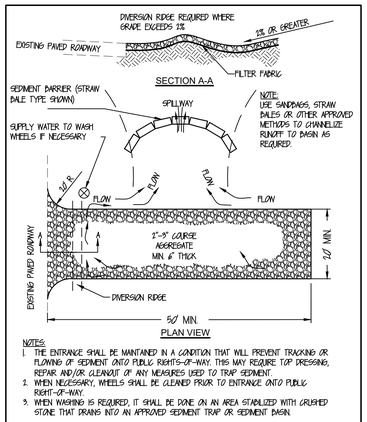
* GRAVEL SHALL BE ASTM #3, #357, OR #5 COARSE AGGREGATE.

GRAVEL CURB INLET SEDIMENT FILTER WITH OVERFLOW WEIR



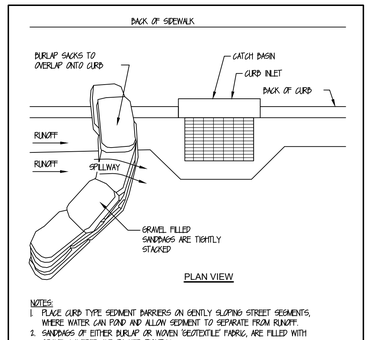
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB INLET SEDIMENT BARRIER



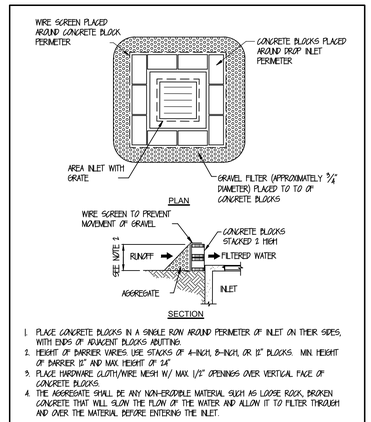
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



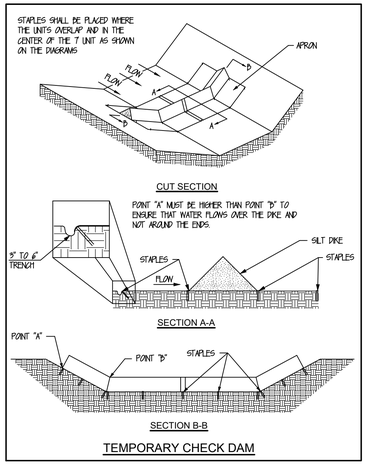
NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB AND GUTTER SEDIMENT BARRIER

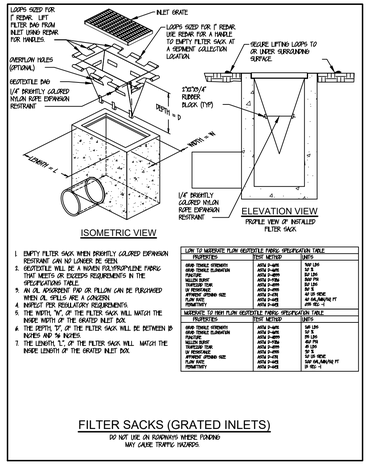


1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN HEIGHT OF BARRIER 12" AND MAX HEIGHT OF 24"
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE AGGREGATE SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

BLOCK AND AGGREGATE INLET SEDIMENT DEVISE



TEMPORARY CHECK DAM



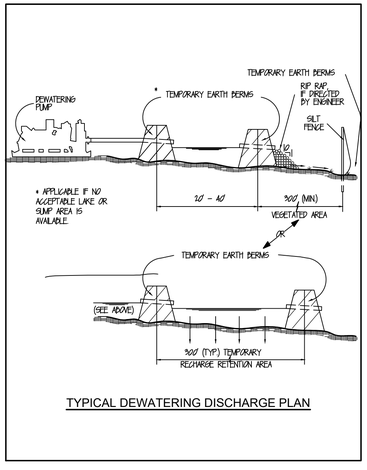
1. EMPTY FILTER SACK WHEN BRIGHTLY COLORED EMBARGO RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. AN OIL ABSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK WILL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH "D", OF THE FILTER SACK WILL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK WILL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	160 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	15 %
MULLEN BURST	ASTM D-3786	300 LBS
TRAPEZOID TEAR	ASTM D-4533	60 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	150 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.0 SEC-1

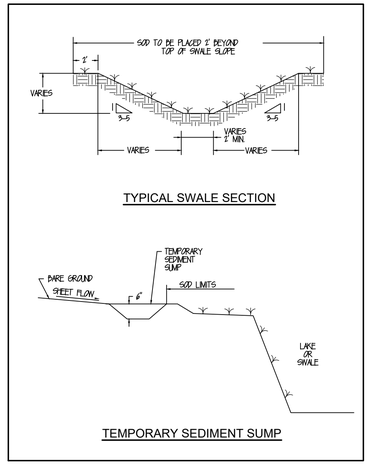
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	249 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	50 %
MULLEN BURST	ASTM D-3786	390 PSI
TRAPEZOID TEAR	ASTM D-4533	90 LBS
UV RESISTANCE	ASTM D-4355	70 %
APPARENT OPENING SIZE	ASTM D-4751	30 US SIEVE
FLOW RATE	ASTM D-4491	224 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	2.8 SEC-1

FILTER SACKS (GRATED INLETS)

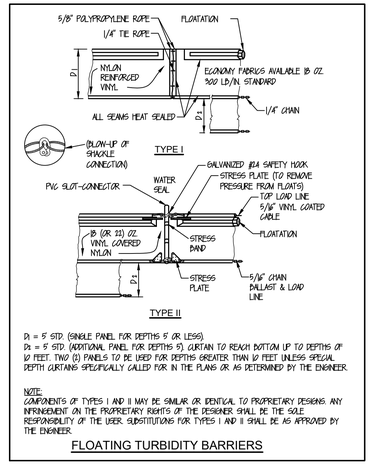
DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.



TYPICAL DEWATERING DISCHARGE PLAN



TEMPORARY SEDIMENT SUMP



D1 = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D2 = 9' STD. (ADDITIONAL PANEL FOR DEPTHS 5'). CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTE:
COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DESIGNED BY:	CHECKED BY:
142806005	KHA	MAJ
DATE: 01/08/2025	DRAWN BY: NL	
SCALE: AS SHOWN		

STORM WATER POLLUTION PREVENTION DETAILS

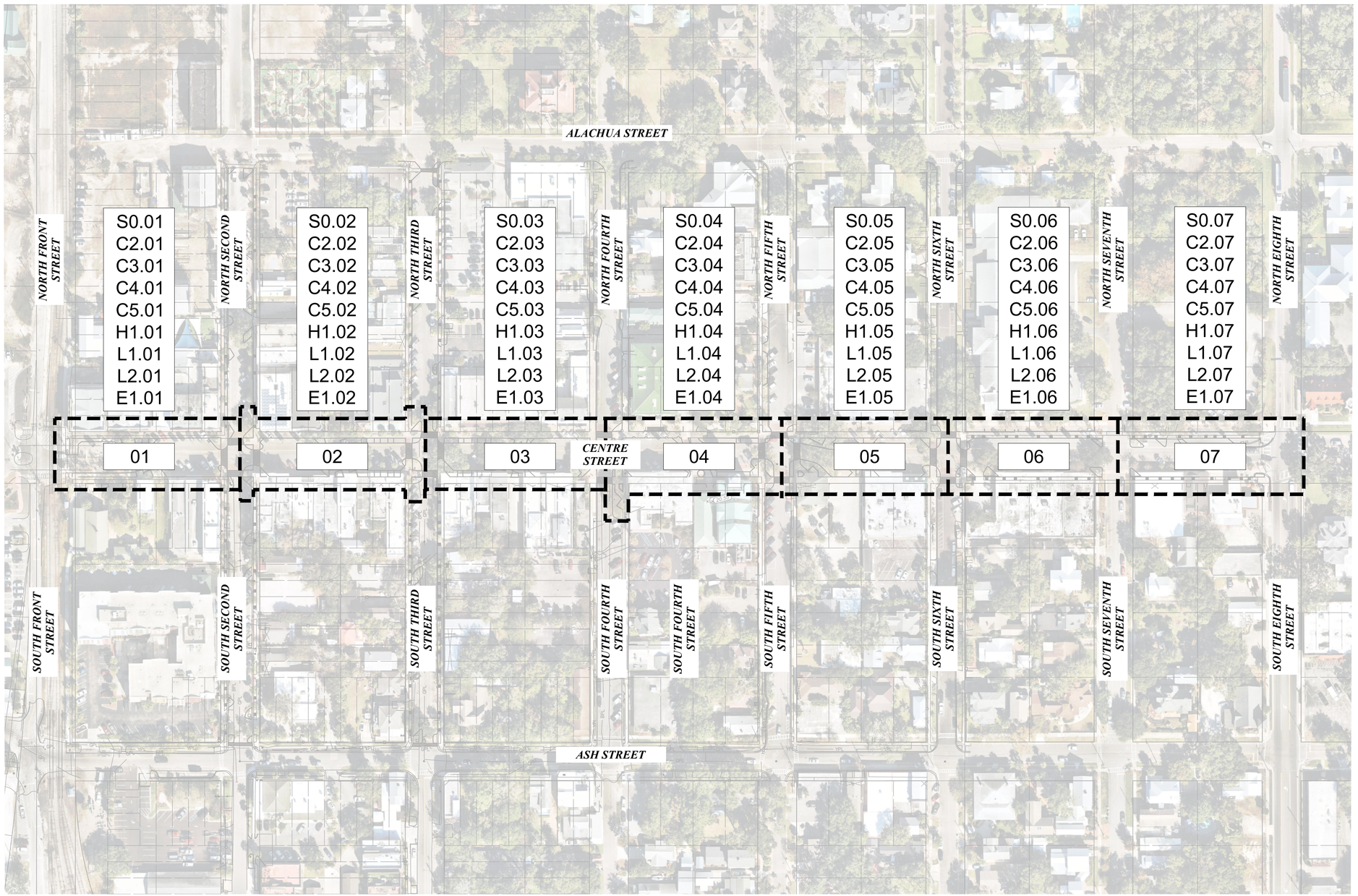
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C0.03 January 08, 2025 10:26:20am K:\JAX_LAP\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\C0.02 GENERAL NOTES & SWPP DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

INDEX OF SHEETS	
Sheet Number	Sheet Title
S0.00	OVERALL SURVEY
S0.01	SURVEY
S0.02	SURVEY
S0.03	SURVEY
S0.04	SURVEY
S0.05	SURVEY
S0.06	SURVEY
C1.01	DEMOLITION PLAN
C1.02	DEMOLITION PLAN
C1.03	DEMOLITION PLAN
C1.04	DEMOLITION PLAN
C1.05	DEMOLITION PLAN
C1.06	DEMOLITION PLAN
C1.07	DEMOLITION PLAN
C2.01	TREE DISPOSITION PLAN
C2.02	TREE DISPOSITION PLAN
C2.03	TREE DISPOSITION PLAN
C2.04	TREE DISPOSITION PLAN
C2.05	TREE DISPOSITION PLAN
C2.06	TREE DISPOSITION PLAN
C2.07	TREE DISPOSITION PLAN
C3.01	IRRIGATION DEMOLITION PLAN
C3.02	IRRIGATION DEMOLITION PLAN
C3.03	IRRIGATION DEMOLITION PLAN
C3.04	IRRIGATION DEMOLITION PLAN
C3.05	IRRIGATION DEMOLITION PLAN
C3.06	IRRIGATION DEMOLITION PLAN
C3.07	IRRIGATION DEMOLITION PLAN
C5.01	GRADING & DRAINAGE PLAN
C5.02	GRADING & DRAINAGE PLAN
C5.03	GRADING & DRAINAGE PLAN
C5.04	GRADING & DRAINAGE PLAN
C5.05	GRADING & DRAINAGE PLAN
C5.06	GRADING & DRAINAGE PLAN
C5.07	GRADING & DRAINAGE PLAN
H1.01	OVERALL HARDSCAPE PLAN
H1.02	HARDSCAPE PLAN
H1.03	HARDSCAPE PLAN
H1.04	HARDSCAPE PLAN
H1.05	HARDSCAPE PLAN
H1.06	HARDSCAPE PLAN
H1.07	HARDSCAPE PLAN
L1.01	PLANTING PLAN
L1.02	PLANTING PLAN
L1.03	PLANTING PLAN
L1.04	PLANTING PLAN
L1.05	PLANTING PLAN
L1.06	PLANTING PLAN
L1.07	PLANTING PLAN
L2.01	IRRIGATION PLAN
L2.02	IRRIGATION PLAN
L2.03	IRRIGATION PLAN
L2.04	IRRIGATION PLAN
L2.05	IRRIGATION PLAN
L2.06	IRRIGATION PLAN
L2.07	IRRIGATION PLAN

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	
DRAWN BY: NL	
CHECKED BY: MAJ	

KEY MAP

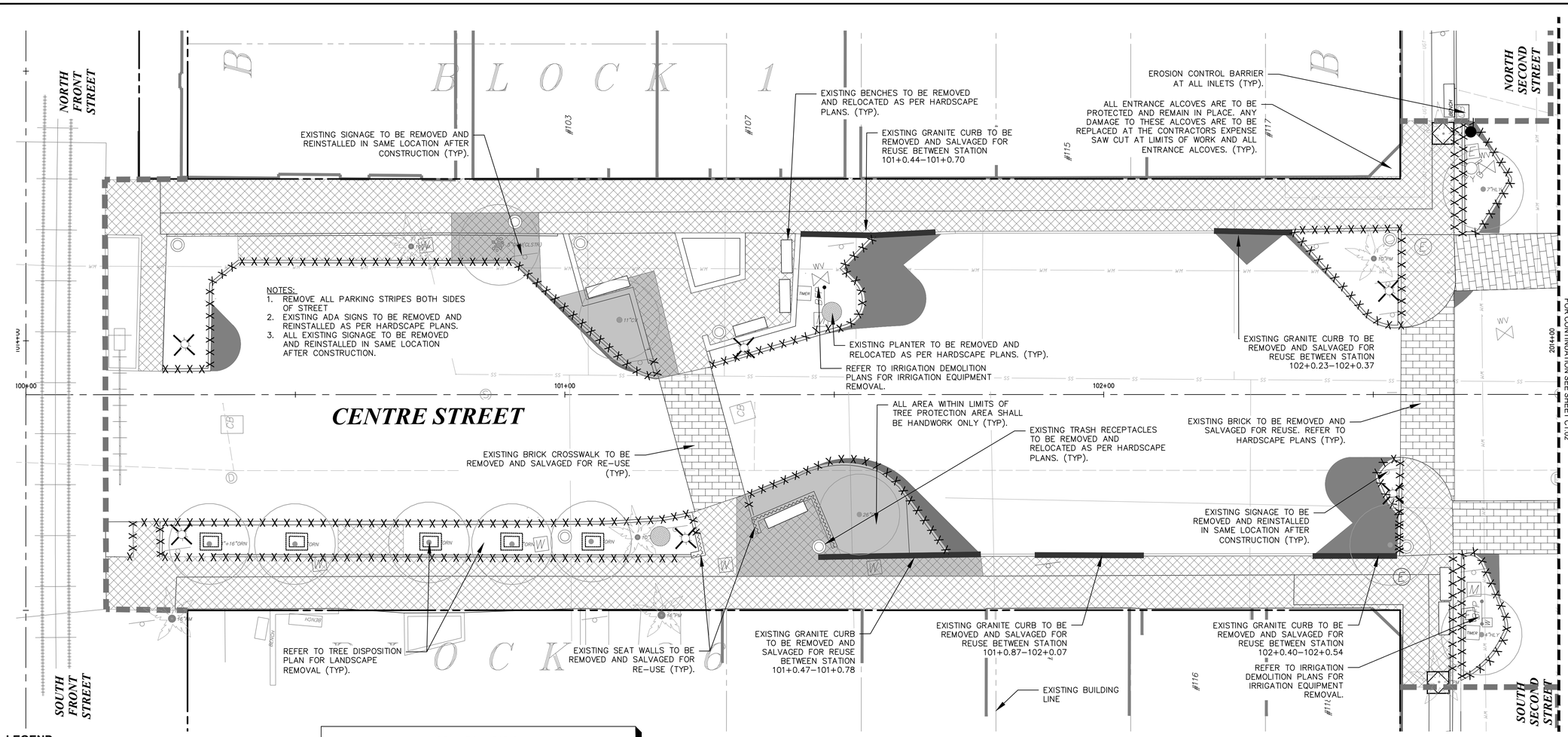
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C0.04

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C0.04 January 08, 2025 11:19:59am K:\JAX_LAP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\C0.04 KEY MAP.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM — COM — COM — PROPOSED ELECTRIC

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

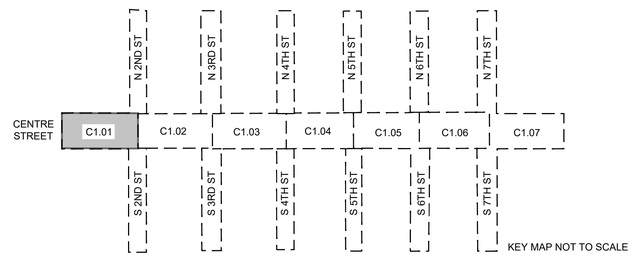
DEMOLITION LEGEND

- EXISTING ELECTRICAL OUTLET
- EXISTING TREE GRATE TO BE REMOVED
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
- EXISTING PLANTER TO BE REMOVED AND RELOCATED
- EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
- X X X X EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING SEAT WALL TO BE REMOVED
- EXISTING BENCH TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- TREE PROTECTION AREA (HANDWORK ONLY)
- EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE–USE
- EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
- EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE–USE
- EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
- EROSION CONTROL BARRIER
- EXISTING TREE
- EXISTING OFF–SITE TREE
- EXISTING PALM TREE
- EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.

DEMOLITION NOTES

1. ANY ITEMS TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO THE EXISTING CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE.
2. REMOVE AND SALVAGE ALL CITY–OWNED SITE FURNISHINGS (TRASH CANS, BENCHES, ETC.), ELECTRICAL BOXES, SIGNS, BOLLARDS, PARKING METERS, AND BIKE RACK POSTS WITHIN THE PROJECT LIMITS UNLESS NOTED OTHERWISE. STOCKPILE ALL ITEMS FOR REINSTALLATION ON THIS PROJECT AS REQUIRED FOR CITY USE.
3. REFER TO TREE DISPOSITION, DEMOLITION, AND PLANTING PLANS FOR TREE REMOVAL, RELOCATION, AND PROTECTION INFORMATION. ANY AREAS WHERE CONCRETE OR ASPHALT ARE TO BE REMOVED, ALL BASE AND SUBGRADE MATERIAL SHALL BE REMOVED TO A DEPTH OF 2 FEET UNLESS WITHIN TREE PROTECTION AREA.
4. ALL VALVE BOXES, MANHOLES, CATCH BASINS, AND OTHER ITEMS TO REMAIN SHALL BE ADJUSTED TO PROPOSED GRADE.
5. THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN.THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
6. THIS DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT IS NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROFESSIONAL LANDSCAPE ARCHITECT IMMEDIATELY.
7. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION AND DEWATERING PERMITS, IF APPLICABLE.
8. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE.
9. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THE CONSTRUCTION DRAWINGS UNLESS OTHERWISE DIRECTED BY THE DEVELOPER OR AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
10. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
11. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
12. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
13. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS TO BE PROTECTED IN PAVEMENT REMOVAL AREAS. CONTRACTOR SHALL REPLACE DAMAGED STRUCTURES AT THEIR EXPENSE.
14. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. AS APPROVED BY THE CITY OF FERNANDINA BEACH AND CONSTRUCTION MANAGER.
15. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF EXISTING FACILITIES AND CONSTRUCTION OF NEW FACILITIES. SIGNAGE SHALL BE POSTED TO DIRECT THE PUBLIC TO THE PATH OF TRAVEL.
16. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
17. CONTRACTOR MUST COORDINATE THE LIMITS OF UTILITY DEMOLITION WITH UTILITY PROVIDERS.
18. ADDITIONAL CONCRETE SUB SLAB REMOVAL FOR MISCELLANEOUS UTILITY INSTALLATION (LIGHT POLES, WATER SERVICES, UTILITY BOX COVERS, BOLLARDS, ETC.) WILL BE REQUIRED.



GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C1.01

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C1.01 January 08, 2025 10:53:14am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet: Sat-FERNANDINA BEACH STREETSCAPE Layout: C1.02 January 08, 2025 10:54:02am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE: SEE SHEET L1.01

NORTH SECOND STREET

NORTH THIRD STREET

B L O C K 1 0

#207 #215 #217

EROSION CONTROL BARRIER AT ALL INLETS (TYP).

ALL ENTRANCE ALCOVES ARE TO BE PROTECTED AND REMAIN IN PLACE. ANY DAMAGE TO THESE ALCOVES ARE TO BE REPLACED AT THE CONTRACTORS EXPENSE SAW CUT AT LIMITS OF WORK AND ALL ENTRANCE ALCOVES. (TYP).

EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR REUSE BETWEEN STATION 103+0.85–103+0.98

EXISTING PLANTER TO BE REMOVED AND RELOCATED AS PER HARDSCAPE PLANS. (TYP).

EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR REUSE BETWEEN STATION 103+0.15–103+0.35

ALL AREA WITHIN LIMITS OF TREE PROTECTION AREA SHALL BE HANDWORK ONLY (TYP).

REFER TO IRRIGATION DEMOLITION PLANS FOR IRRIGATION EQUIPMENT REMOVAL.

REFER TO TREE DISPOSITION PLAN FOR LANDSCAPE REMOVAL (TYP).

EXISTING BRICK CROSSWALK TO BE REMOVED AND SALVAGED FOR RE–USE (TYP).

103+00 104+00 105+00 301+00

MATCHLINE: SEE SHEET L1.03

CENTRE STREET

EXISTING SIGNAGE TO BE REMOVED AND REINSTALLED IN SAME LOCATION AFTER CONSTRUCTION (TYP).

EXISTING TRASH RECEPTACLES TO BE REMOVED AND RELOCATED AS PER HARDSCAPE PLANS. (TYP).

EXISTING SIGNAGE TO BE REMOVED AND REINSTALLED IN SAME LOCATION AFTER CONSTRUCTION (TYP).

EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR REUSE BETWEEN STATION 103+0.97–104+0.21

EXISTING SEAT WALLS TO BE REMOVED AND SALVAGED FOR RE–USE (TYP).

EXISTING BIKE RACKS TO BE REMOVED AND RELOCATED AS PER HARDSCAPE PLANS (TYP).

EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR REUSE BETWEEN STATION 104+0.66–105+0.33

EXISTING BIKE RACKS TO BE REMOVED AND RELOCATED AS PER HARDSCAPE PLANS (TYP).

B L O C K

SOUTH SECOND STREET

SOUTH THIRD STREET

LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM COM COM	PROPOSED ELECTRIC

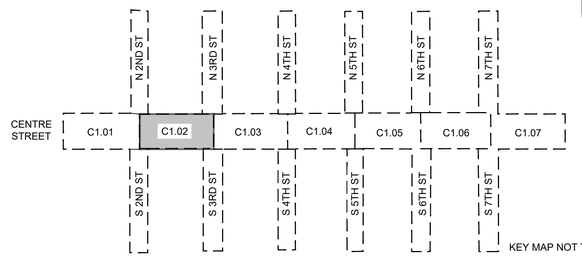
DEMOLITION LEGEND

- EXISTING ELECTRICAL OUTLET
- EXISTING TREE GRATE TO BE REMOVED
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
- EXISTING PLANTER TO BE REMOVED AND RELOCATED
- EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING SEAT WALL TO BE REMOVED
- EXISTING BENCH TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- TREE PROTECTION AREA (HANDWORK ONLY)
- EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE–USE
- EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
- EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE–USE
- EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
- EROSION CONTROL BARRIER
- EXISTING TREE
- EXISTING OFF–SITE TREE
- EXISTING PALM TREE
- EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO CD.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	
		DESIGNED BY: KHA	
		DRAWN BY: RD	CHECKED BY: MAJ

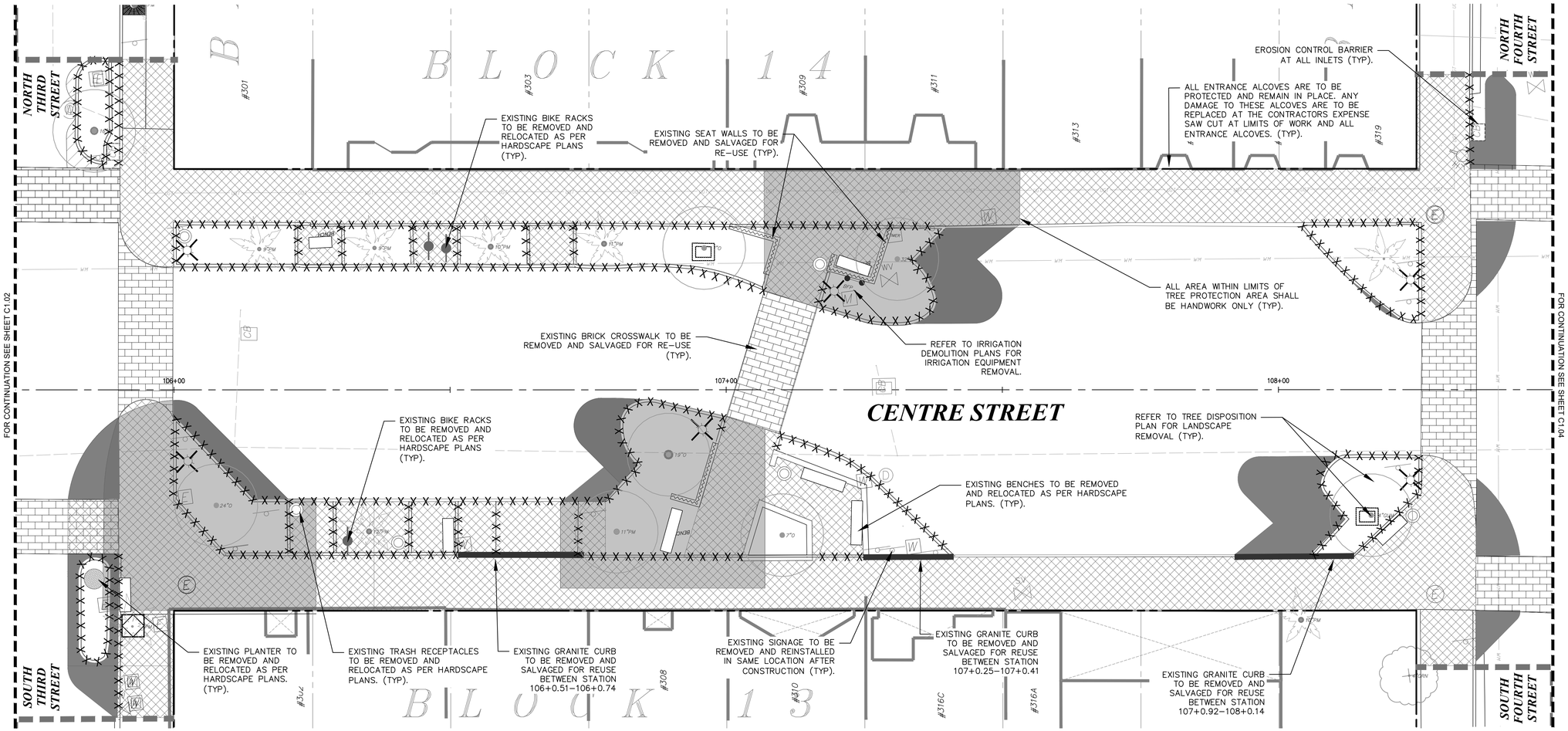
DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER C1.02



LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM COM COM	PROPOSED ELECTRIC

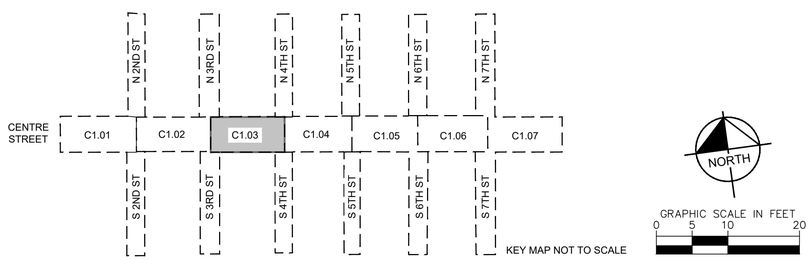
TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

DEMOLITION LEGEND

- EXISTING ELECTRICAL OUTLET
- EXISTING TREE GRATE TO BE REMOVED
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
- EXISTING PLANTER TO BE REMOVED AND RELOCATED
- EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING SEAT WALL TO BE REMOVED
- EXISTING BENCH TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- TREE PROTECTION AREA (HANDWORK ONLY)
- EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
- EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
- EROSION CONTROL BARRIER
- EXISTING TREE
- EXISTING OFF-SITE TREE
- EXISTING PALM TREE
- EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	DRAWN BY: RD
CHECKED BY: MAJ	

DEMOLITION PLAN

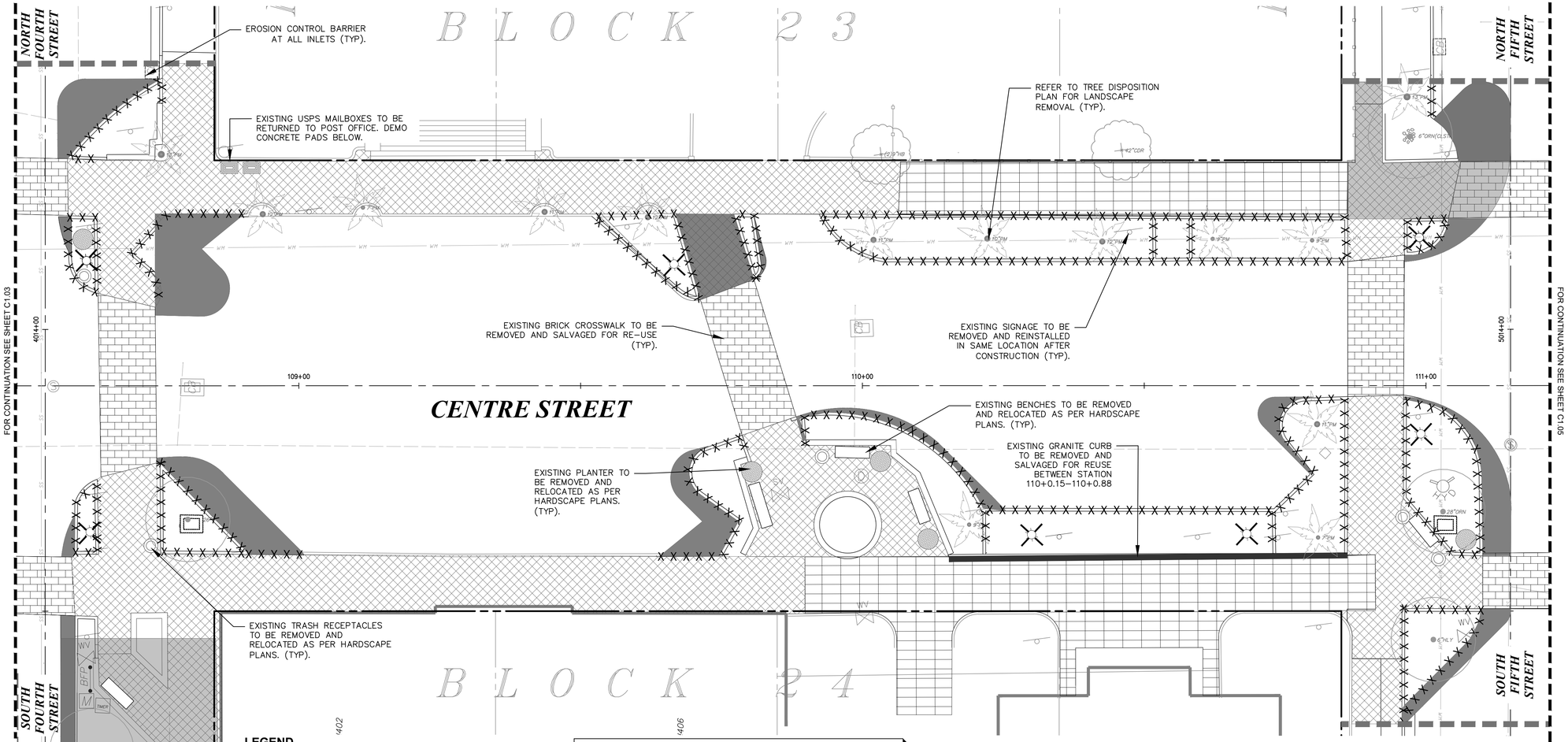
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
C1.03

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C1.03 January 08, 2025 10:54:47am K:\JAX_LA\PW\142806005 — fernandina beach streetscape\working files\CAD\xlsx sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM — COM — COM — PROPOSED ELECTRIC

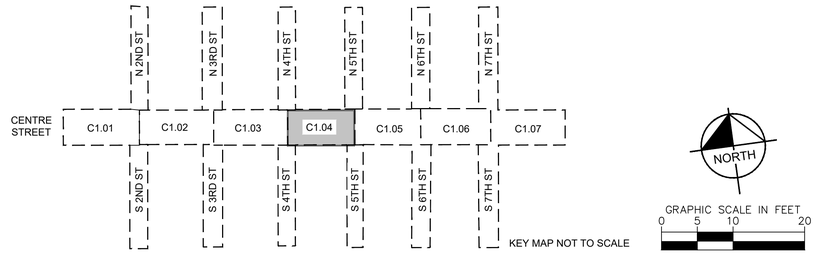
TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

DEMOLITION LEGEND

- EXISTING ELECTRICAL OUTLET
- EXISTING TREE GRATE TO BE REMOVED
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
- EXISTING PLANTER TO BE REMOVED AND RELOCATED
- EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING SEAT WALL TO BE REMOVED
- EXISTING BENCH TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- TREE PROTECTION AREA (HANDWORK ONLY)
- EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
- EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
- EROSION CONTROL BARRIER
- EXISTING TREE
- EXISTING OFF-SITE TREE
- EXISTING PALM TREE
- EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

DEMOLITION PLAN

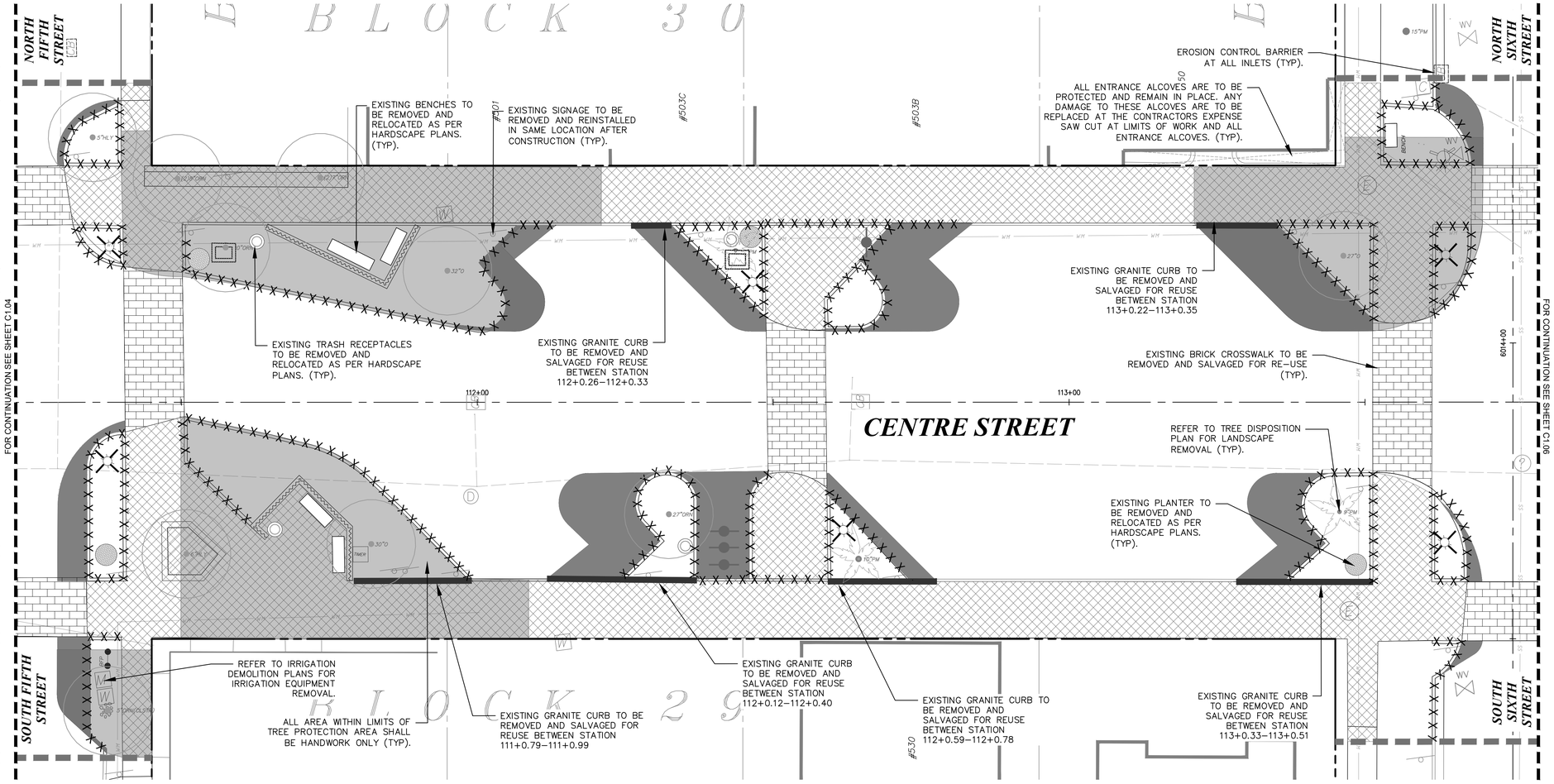
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
C1.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C2.04 January 08, 2025 10:55:14am K:\JAX_LAI\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

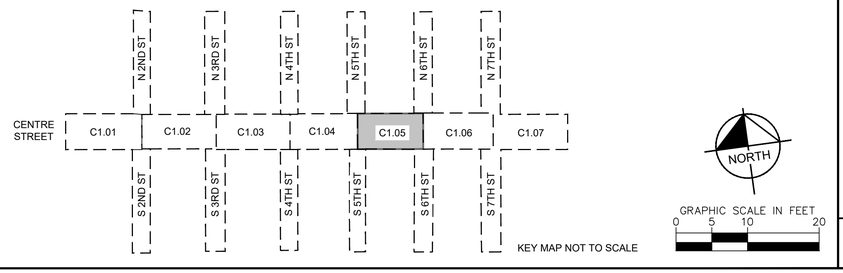
TREE LEGEND

	EXISTING TREE TO REMAIN
	EXISTING PALM TO REMAIN
	OFF-SITE TREE TO REMAIN

DEMOLITION LEGEND

	EXISTING ELECTRICAL OUTLET
	EXISTING TREE GRATE TO BE REMOVED
	EXISTING LIGHT POLE TO BE REMOVED
	EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
	EXISTING PLANTER TO BE REMOVED AND RELOCATED
	EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
X X X X	EXISTING CONCRETE CURB TO BE REMOVED
	EXISTING SEAT WALL TO BE REMOVED
	EXISTING BENCH TO BE REMOVED AND RELOCATED
	EXISTING CONCRETE TO BE REMOVED
	EXISTING ASPHALT TO BE REMOVED
	TREE PROTECTION AREA (HANDWORK ONLY)
	EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE–USE
	EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
	EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE–USE
	EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
	EROSION CONTROL BARRIER
	EXISTING TREE
	EXISTING OFF–SITE TREE
	EXISTING PALM TREE
	EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

DEMOLITION PLAN

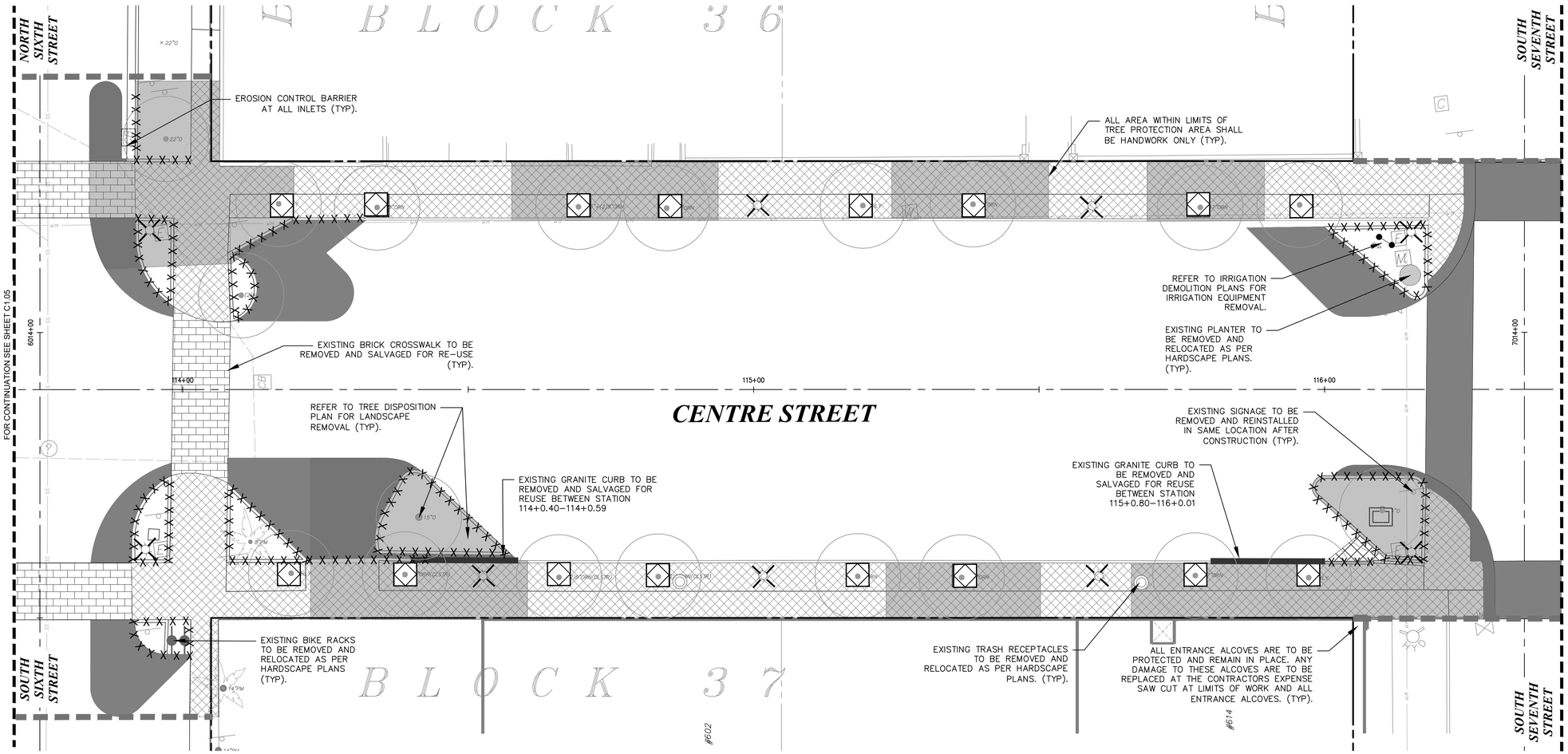
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C1.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C1.05 January 08, 2025 10:55:38am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

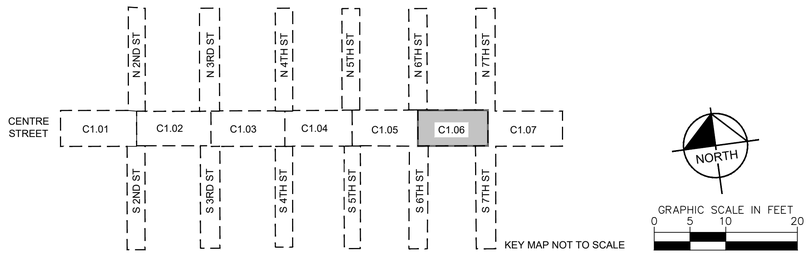
TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

DEMOLITION LEGEND

- EXISTING ELECTRICAL OUTLET
- EXISTING TREE GRATE TO BE REMOVED
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
- EXISTING PLANTER TO BE REMOVED AND RELOCATED
- EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING SEAT WALL TO BE REMOVED
- EXISTING BENCH TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- TREE PROTECTION AREA (HANDWORK ONLY)
- EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
- EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
- EROSION CONTROL BARRIER
- EXISTING TREE
- EXISTING OFF-SITE TREE
- EXISTING PALM TREE
- EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

DEMOLITION PLAN

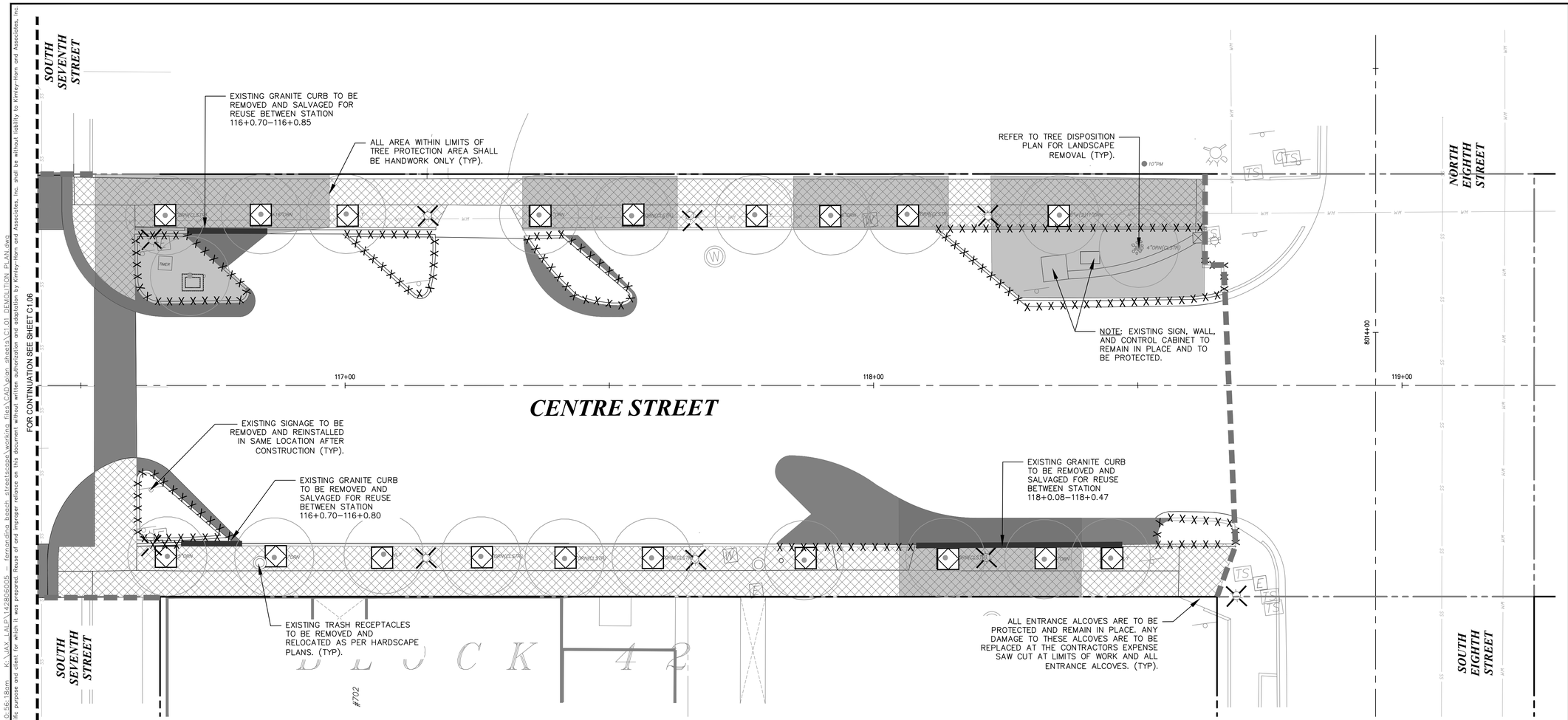
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C1.06

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C1.06 January 08, 2025 10:55:56am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\xlsx sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

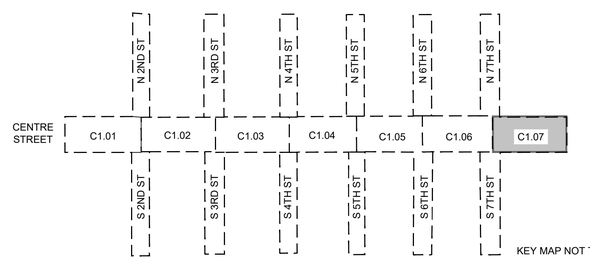
TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

DEMOLITION LEGEND

- EXISTING ELECTRICAL OUTLET
- EXISTING TREE GRATE TO BE REMOVED
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND RELOCATED
- EXISTING PLANTER TO BE REMOVED AND RELOCATED
- EXISTING BIKE RACK TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING SEAT WALL TO BE REMOVED
- EXISTING BENCH TO BE REMOVED AND RELOCATED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- TREE PROTECTION AREA (HANDWORK ONLY)
- EXISTING BRICK TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING HEX PAVERS TO BE REMOVED AND SALVAGED FOR REUSE
- EXISTING GRANITE CURB TO BE REMOVED AND SALVAGED FOR RE-USE
- EXISTING MAILBOX TO BE REMOVED AND RETURNED TO USPS
- EROSION CONTROL BARRIER
- EXISTING TREE
- EXISTING OFF-SITE TREE
- EXISTING PALM TREE
- EXISTING BOLLARD TO BE REMOVED

NOTE: EXISTING ELECTRICAL OUTLETS ON PEDALS TO REMAIN IN PLACE. COORDINATE WITH ELECTRICAL PLANS ON LOCATIONS OR REMOVAL OF EXISTING ELECTRICAL OUTLETS ON TREES.



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

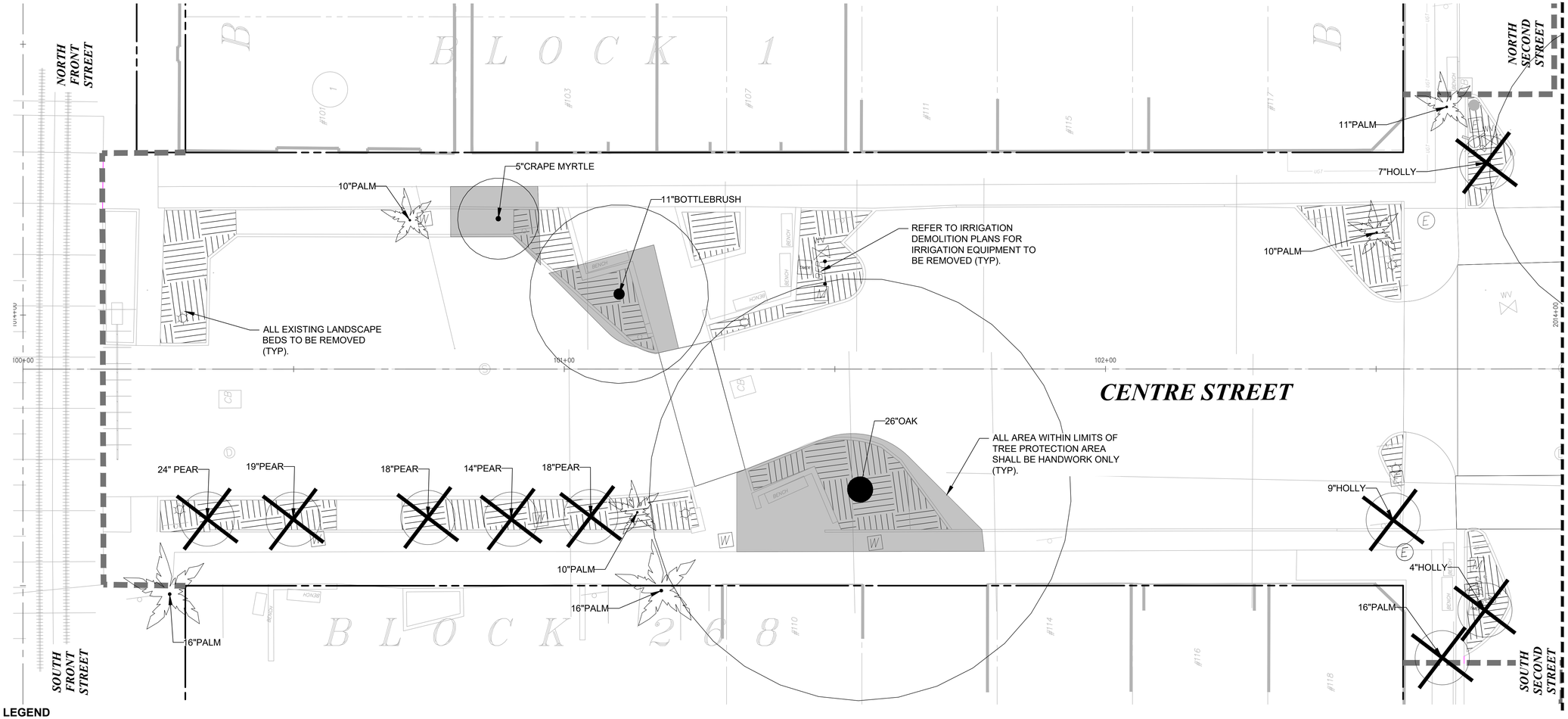
KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C1.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C1.07 January 08, 2025 10:56:18am K:\JAX_LAL\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C1.01 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

- FIBER OPTIC (FO)
- GAS (JD)
- HYDRAULIC CONTAINMENT SYSTEM (HCS)
- STORM PIPE
- SANITARY SEWER (SS)
- WATER MAIN (WM)
- OVERHEAD ELECTRIC (OHE)
- UNDERGROUND ELECTRIC (UGE)
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- PROPOSED ELECTRIC (COM)

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN
- TREE TO BE REMOVED

ROOT PRUNING:

1. THE LANDSCAPE ARCHITECT HAS OBSERVED TREES THAT COULD BE IMPACTED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
2. IF CONSTRUCTION ACTIVITIES OCCUR WITHIN THE DRIPLINE (OR THE HORIZONTAL EXTENT OF THE CANOPY) OF A TREE, THEN THAT TREE IS A CANDIDATE FOR ROOT PRUNING.
3. ROOT PRUNING MUST OCCUR PRIOR TO TRENCHING OPERATIONS TO ENSURE THAT THE ROOTS ARE CUT CLEAN AND AT PROPER ANGLES AND NOT MECHANICALLY RIPPED FROM THE EARTH DURING CONSTRUCTION.
4. FOR TREES REQUIRING ROOT PRUNING, A TREE ASSESSMENT SHALL BE CONDUCTED, AND A ROOT-PRUNING PLAN SHALL BE DEVELOPED BY A CERTIFIED ARBORIST OR CONSULTING ARBORIST. THIS PLAN SHOULD IDENTIFY:
   - MAXIMUM ALLOWABLE SIZE OF ROOTS TO BE CUT
   - ALLOWABLE PROXIMITY TO THE TRUNK FOR CUTS
   - TIME OF YEAR WHEN ROOT CUTTING IS ALLOWABLE (NOTE: IN FLORIDA, IT IS BEST TO AVOID ROOT PRUNING DURING TIMES OF THE MAY THROUGH SEPTEMBER, WHEN THE POTENTIAL FOR DAMAGING WIND LOADS ON TREES ORE GREATEST.)
   - METHOD FOR MAKING CUTS
   - MITIGATING CANOPY PRUNING
   - TYPE AND EXTENT OF NECESSARY STRUCTURAL SUPPORT
   - SCHEDULE FOR WATERING/FERTILIZATION AFTER PRUNING
5. IMPLEMENT THE ROOT PRUNING PLAN PER THE ARBORISTS RECOMMENDATION.

TREE/PALM:

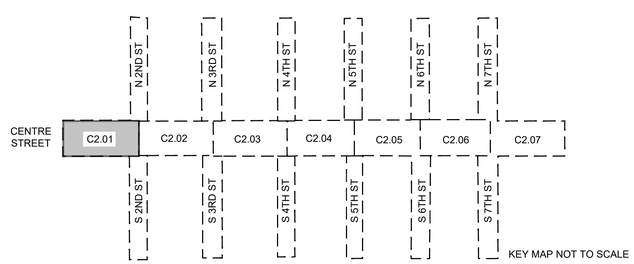
1. AN ISA - CERTIFIED ARBORIST OR A CERTIFIED LANDSCAPE CONTRACTOR CERTIFIED BY THE FLORIDA NURSERYMEN AND GROWERS ASSOCIATION SHALL PERFORM AND MONITOR ALL TREE/PALM ROOT PRUNING.
2. CONTRACTOR SHALL STAKE AND GUY ALL TREES/PALMS AS PER DETAILS PROVIDED IN THIS CONSTRUCTION SET. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND/OR REPAIR OF STAKING AND GUYING DURING THE WARRANTY PERIOD. ALL TREES/PALMS SHALL BE BRACED AT LEAST ONE (1) YEAR OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
3. SOIL BACKFILL FOR THE INSTALLATION OF TREES, PALMS, SHRUBS, AND GROUND COVERS SHALL BE UNIFORM MIX OF 25% WELL-ROTTED COMPOST, 25% TOPSOIL, AND 50% CLEAN, WEED-FREE LOOSENED NATIVE SOIL BACKFILL.
4. CONTRACTOR SHALL SUBMIT MANUFACTURERS CERTIFIED ANALYSIS FOR SOIL AMENDMENTS TO THE OWNER'S REPRESENTATIVE.
5. CONTRACTOR SHALL PAY TO HAVE THE BACKFILL LAB TESTED IF REQUESTED BY THE OWNER'S REPRESENTATIVE. NON-SOLUBLE WETTING AGENT SHALL BE ADDED TO THE BACKFILL PER THE MANUFACTURER'S SPECIFICATIONS.

NOTE:

1. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL VEGETATION SPECIFIED TO REMAIN. REFER TO TREE PROTECTION NOTES AND DETAILS ON SHEET C3.50.
2. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20



KEY MAP NOT TO SCALE

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
C2.01

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.01 January 08, 2025 10:29:27am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.02 January 08, 2025 10:29:35am K:\JAX_LAD\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\C2.01 TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE: SEE SHEET C2.01

MATCHLINE: SEE SHEET C2.03

NORTH SECOND STREET

SOUTH SECOND STREET

NORTH THIRD STREET

SOUTH THIRD STREET

CENTRE STREET

BLOCK 10

BLOCK 269

103+00 104+00 105+00 309+00

12"PALM

15"PALM

20" CRAPE MYRTLE

ALL EXISTING LANDSCAPE BEDS TO BE REMOVED (TYP).

REFER TO IRRIGATION DEMOLITION PLANS FOR IRRIGATION EQUIPMENT TO BE REMOVED (TYP).

25"OAK

24"PEAR

11"PALM

10"PALM

11"PALM

15"PM

5" CRAPE MYRTLE

ALL AREA WITHIN LIMITS OF TREE PROTECTION AREA SHALL BE HANDWORK ONLY (TYP).

36"OAK

9"PALM

10"PALM

10"PALM

19"CRAPE MYRTLE

10"PALM

9"HOLLY

4"CITRUS

2"HOLLY

2"HOLLY

15"PALM

17"PALM

13"PALM

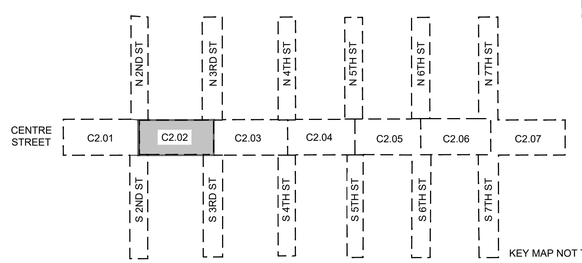
12"PALM

LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

TREE LEGEND

	EXISTING TREE TO REMAIN
	EXISTING PALM TO REMAIN
	OFF-SITE TREE TO REMAIN
	TREE TO BE REMOVED



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

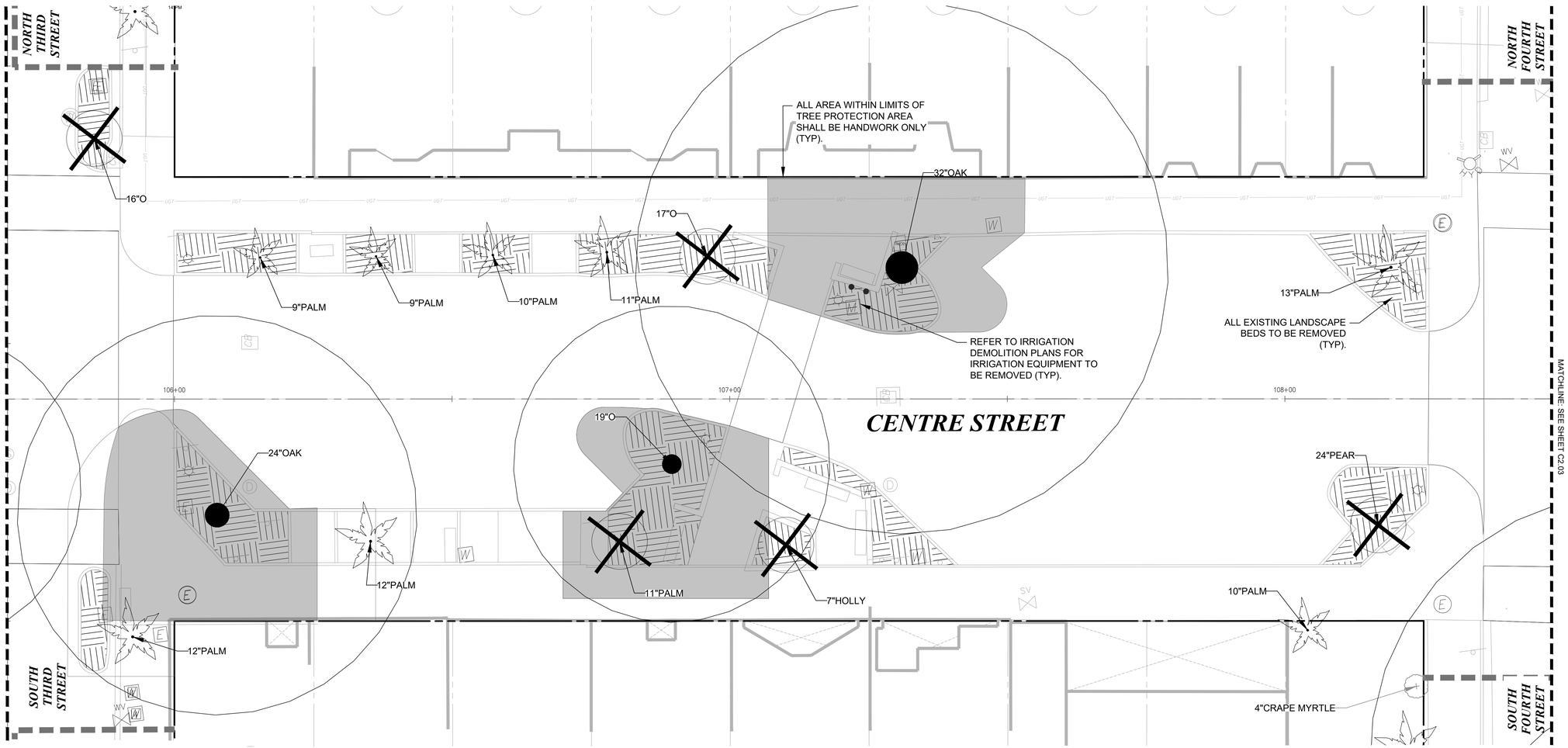
TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.02

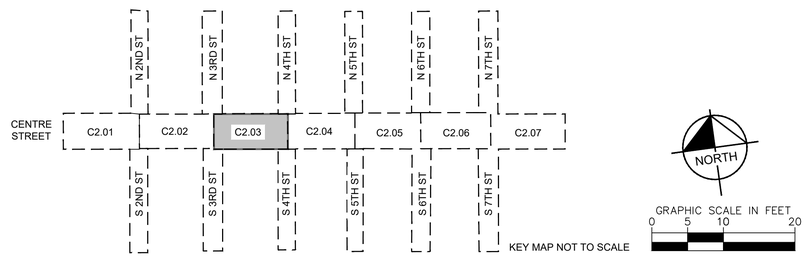


LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN
- TREE TO BE REMOVED



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	
		DESIGNED BY: KHA	
		DRAWN BY: NL	
		CHECKED BY: MAJ	

TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

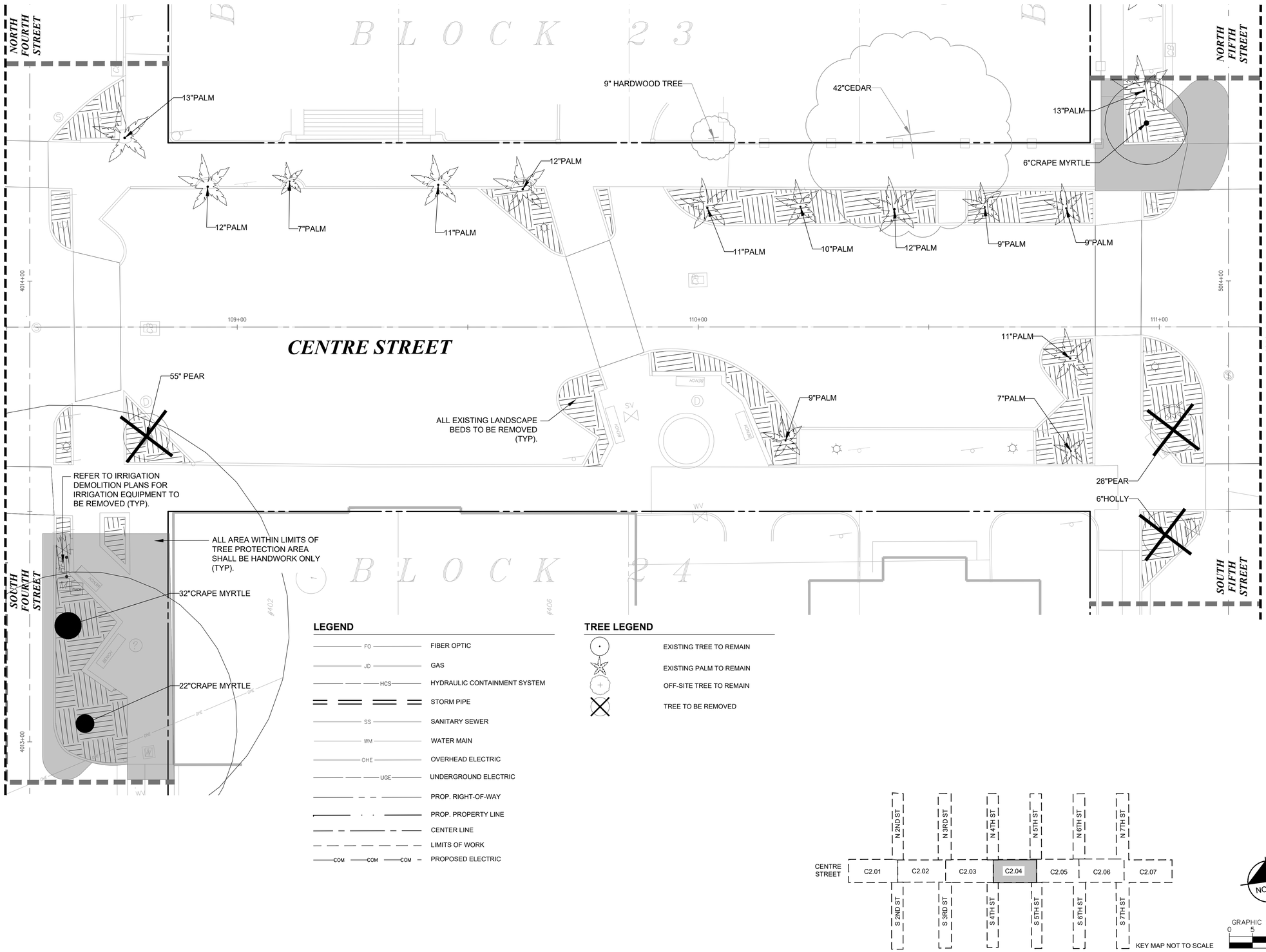
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C2.03 January 08, 2025 10:29:39am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.04 January 08, 2025 10:29:45am K:\JAX_LALP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

TREE LEGEND

	EXISTING TREE TO REMAIN
	EXISTING PALM TO REMAIN
	OFF-SITE TREE TO REMAIN
	TREE TO BE REMOVED

KEY MAP NOT TO SCALE

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA
		DRAWN BY: NL	CHECKED BY: MAJ

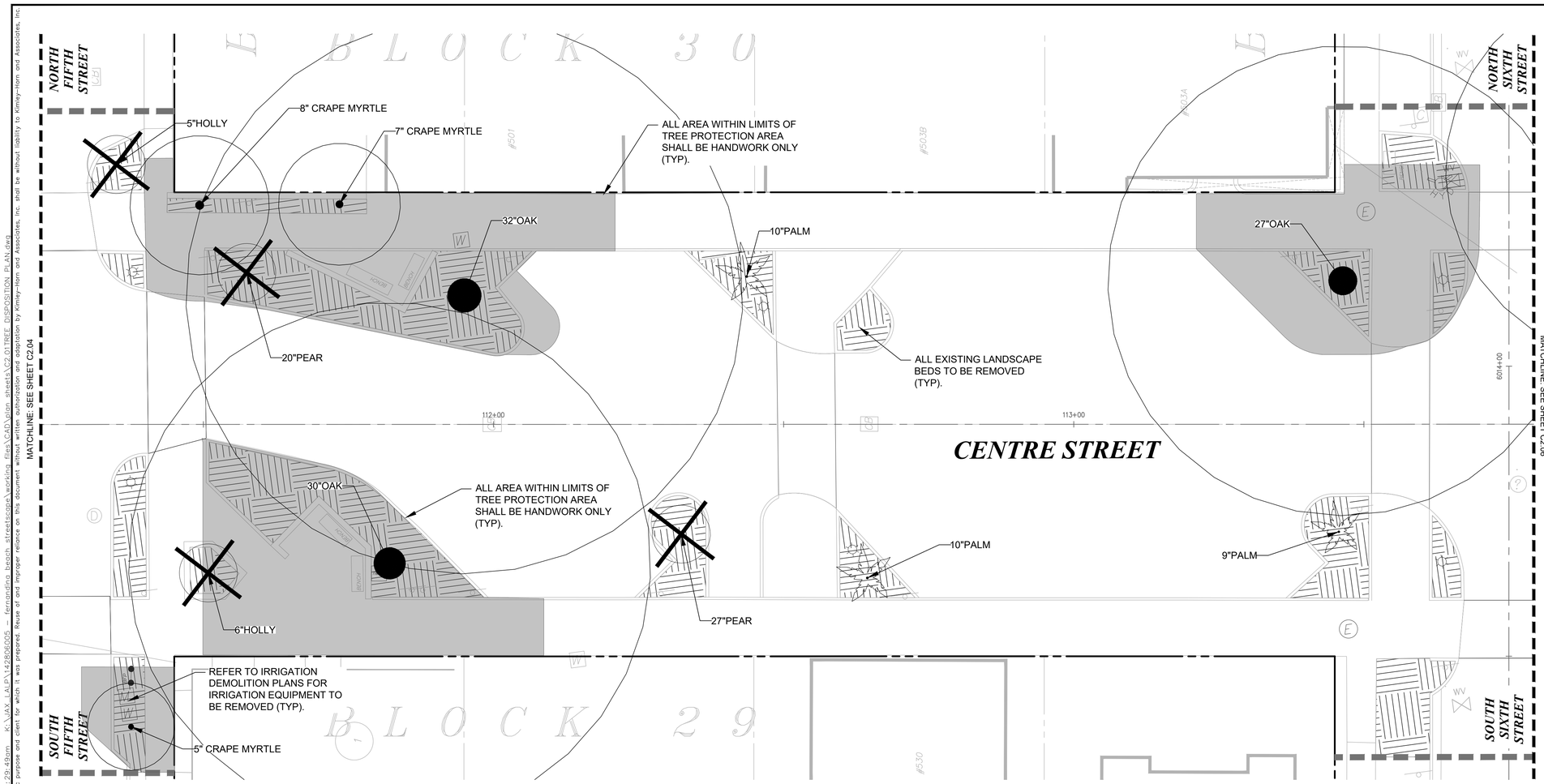
TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
C2.04

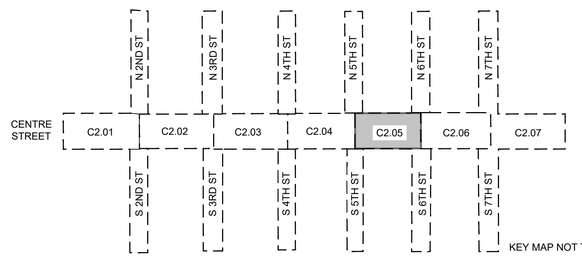


LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

TREE LEGEND

	EXISTING TREE TO REMAIN
	EXISTING PALM TO REMAIN
	OFF-SITE TREE TO REMAIN
	TREE TO BE REMOVED



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

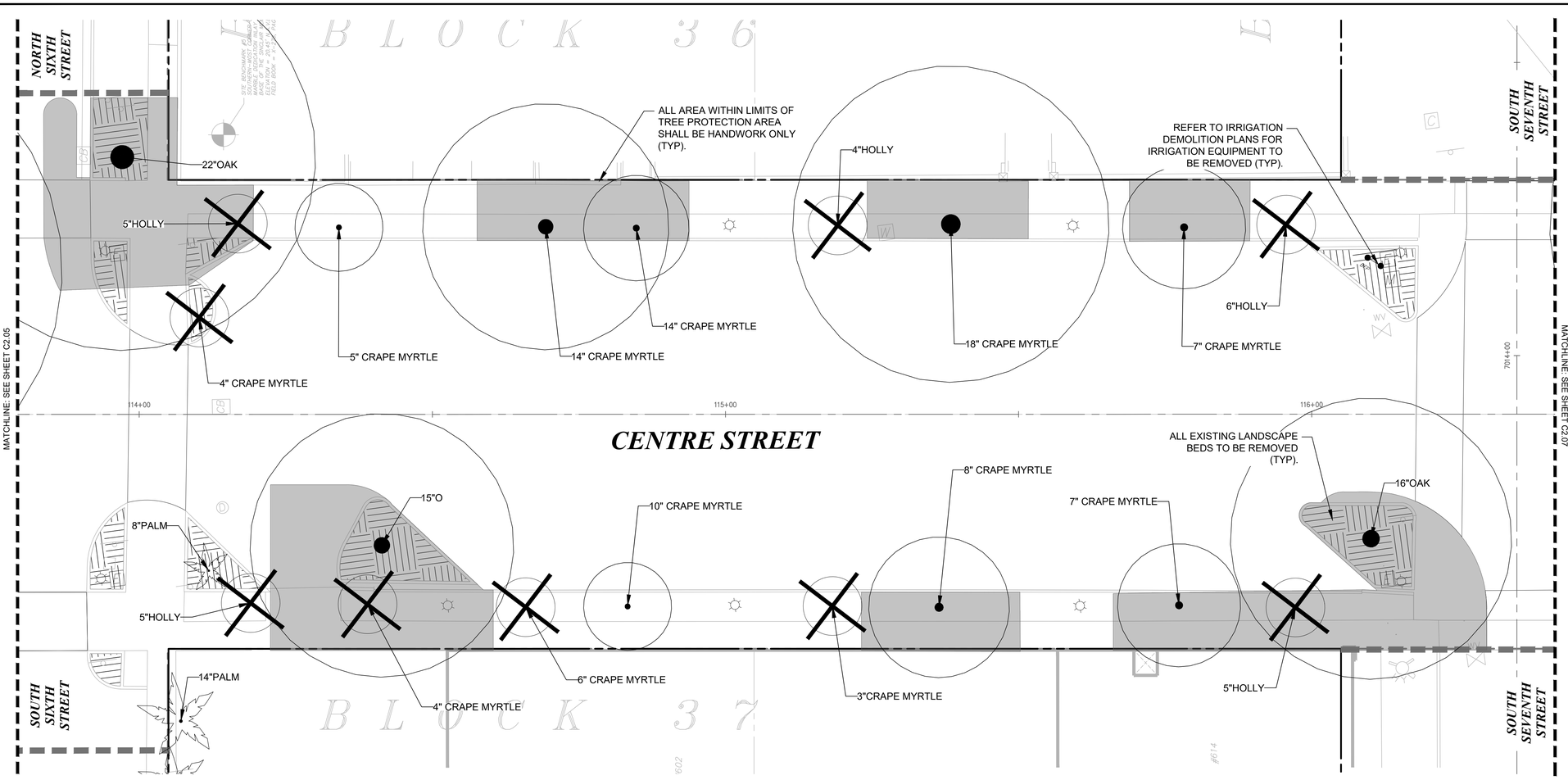
TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C2.05 January 08, 2025 10:29:49am K:\JAX\LALP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

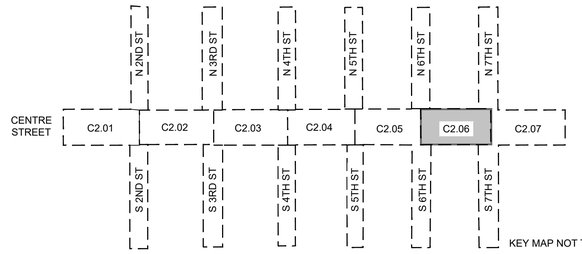


LEGEND

- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM COM COM — PROPOSED ELECTRIC

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN
- TREE TO BE REMOVED



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: NL	CHECKED BY: MAJ

TREE DISPOSITION PLAN

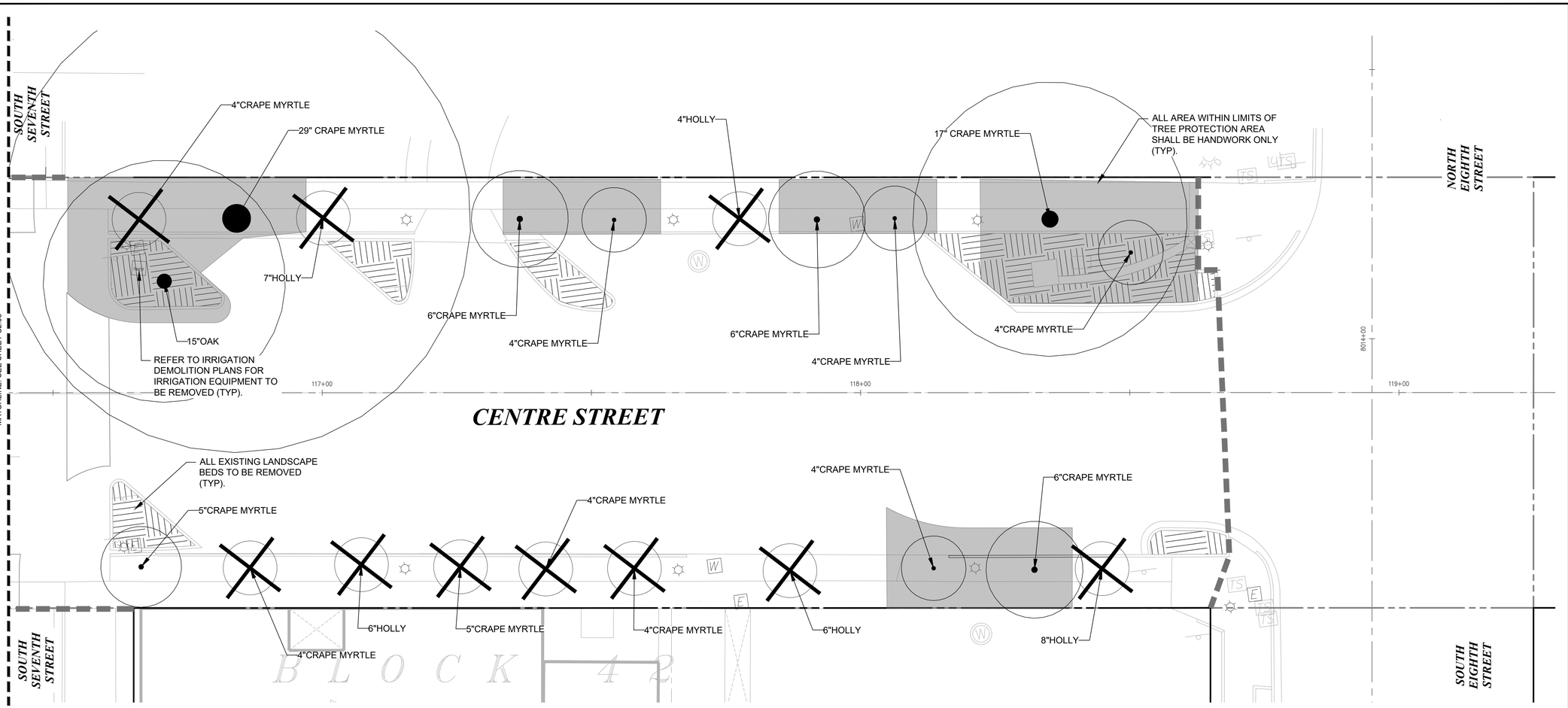
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
C2.06

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C2.06 January 08, 2025 10:29:55am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet: Sat-FERNANDINA BEACH STREETSCAPE Layout: C2.07 January 08, 2025 10:29:59pm K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

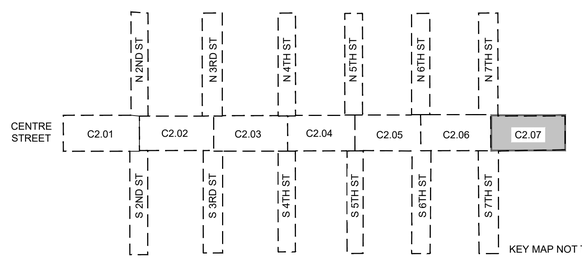


LEGEND

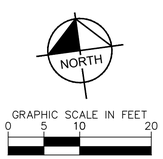
FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

TREE LEGEND

	EXISTING TREE TO REMAIN
	EXISTING PALM TO REMAIN
	OFF-SITE TREE TO REMAIN
	TREE TO BE REMOVED



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA
DRAWN BY: NL	CHECKED BY: MAJ		

TREE DISPOSITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
C2.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C2.50 January 08, 2025 10:30:00am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C2.01TREE DISPOSITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TREE MITIGATION SPECIFICATIONS

A. GENERAL

1. CONTRACTOR SHALL ADHEAR TO ALL TREE PROTECTION REQUIREMENTS LISTED IN THESE SPECIFICATIONS AND/OR THOSE LISTED IN THE CITY OR COUNTY ZONING CODE, TREE PROTECTION (LATEST EDITION), WHICHEVER IS MORE STRINGENT SHALL APPLY.
2. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PROCEDURES WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
3. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATION MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE.
4. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED FROM THIS PROHIBITION.
5. EXISTING TREE LOCATIONS AND SIZES ARE ESTIMATES AND ARE BASED ON A SURVEY PROVIDED BY THE OWNER SELECTED SURVEYOR.
6. CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH PERMITTING AGENCY AND PROJECT ARBORIST PRIOR TO CONSTRUCTION. NO PERSON MAY REMOVE OR CAUSE TO BE REMOVED ANY PROTECTED TREE OR PALM WITHOUT FIRST HAVING PROCURED A PERMIT AS PROVIDED BY THE APPROPRIATE PERMITTING AGENCY.
7. FOR PROTECTED TREES OR PALMS BEING REMOVED, THE CONTRACTOR MUST GIVE THE PERMITTING AGENCY REASONABLE OPPORTUNITY TO RELOCATE TREES DESIGNATED FOR REMOVAL TO ANOTHER SITE AT THE PERMITTING AGENCY'S EXPENSE.
8. CONTRACTOR IS RESPONSIBLE FOR POSSESSING ALL REQUIRED APPLICATOR LICENSES, BUSINESS REGISTRATIONS AND INSURANCE, PESTICIDE LABELS, AND MATERIAL DATA SAFETY SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING ALL SPILL CONTAINMENT MATERIALS AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR PESTICIDE APPLICATIONS AND ACCIDENTAL SPILLS ON SITE AT ALL TIMES. THE OWNER RESERVES THE RIGHT TO INSPECT EACH APPLICATOR AND HAVE THESE MATERIALS PRESENTED BEFORE AND DURING ANY PESTICIDE TREATMENT.
9. WHERE TRAFFIC AREAS ARE PROPOSED WITHIN THE DRIP LINE OF PROTECTED TREES AND LESS THAN FOUR (4) INCHES OF GRADE CHANGE ARE PROPOSED, PERMEABLE SURFACES THAT ALLOW AIR AND WATER INTO THE SOIL SHOULD BE USED IN LIEU OF ASPHALT OR OTHER SUCH IMPERVIOUS SURFACES.
10. TREE WELLS OF AN APPROVED DESIGN SHALL BE CONSTRUCTED AROUND ALL TREES TO BE PRESERVED WHEN MORE THAN FOUR INCHES OF FILL IS TO BE DEPOSITED WITHIN THE DRIP LINE AREA OF THOSE TREES. COORDINATE WITH PROJECT ARBORIST.
11. THE SEQUENCE OF TREE MITIGATION AND PRESERVATION MEASURES IS IMPERATIVE TO THE HEALTH AND SURVIVABILITY OF THE SUBJECT TREES AND SHALL BE COORDINATED WITH THE OWNER SELECTED PROJECT ARBORIST. THE DESIRED SEQUENCE IS OUTLINED BELOW:
    a. TREE PROTECTION FENCING.
    b. ROOT PRUNING AND ROOT BARRIERS.
    c. CLEARING.
    d. TREE CANOPY PRUNING.
    e. FERTILIZATION.
    f. INSECTICIDE.
    g. IRRIGATION.

B. TREE PROTECTION FENCING

1. PRIOR TO THE ERECTION OF ANY TREE PROTECTION FENCING, ALL FOREIGN SURFACE MATERIAL, TRASH OR DEBRIS SHALL BE REMOVED FROM THE AREA TO BE ENCLOSED BY THE FENCING. AFTER ERECTION OF THE FENCING NO SUCH MATERIAL OR LITTER SHALL BE PERMITTED TO REMAIN WITHIN THE PROTECTED AREA.
2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL PROTECTED TREES TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING, LAND ALTERATION, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
3. NATIVE GROUND COVER AND UNDERSTORY VEGETATION EXISTING WITHIN THE PROTECTED AREA SHALL REMAIN THROUGHOUT CONSTRUCTION. OTHER DESIGNATED VEGETATION AND INVASIVE PLANT SPECIES SHALL BE REMOVED ONLY BY MANUAL LABOR UTILIZING HAND TOOLS, OR BY OTHER METHODS APPROVED BY THE PROJECT ARBORIST.
4. TREE PROTECTION FENCING TYPES AND LOCATIONS SHALL BE ERECTED AS SHOWN ON THE TREE MITIGATION PLANS AND DETAILS, OR AS REQUESTED BY LOCAL AGENCY.
5. FINAL LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ARBORIST.
6. NO MATERIALS, EQUIPMENT, SPOIL, WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED, OR PARKED WITHIN 20 FEET OF THE TREE PROTECTION ZONE.
7. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE.
8. CONSTRUCTION ACTIVITY SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
9. DO NOT INSTALL CONDUIT, DRAIN OR IRRIGATION LINES, OR ANY UTILITY LINE WITHIN THE TREE PROTECTION ZONE WITHOUT THE APPROVAL OF THE PROJECT ARBORIST. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
10. CONTRACTOR'S ACCESS TO FENCED TREE PROTECTION AREAS WILL BE PERMITTED ONLY WITH APPROVAL OF THE PROJECT ARBORIST.
11. EXCAVATION OR GRADING REQUIRED WITHIN THE PROTECTED AREA SHALL BE LIMITED TO THREE (3) INCHES OF CUT OR FILL. COORDINATE WITH PROJECT ARBORIST.
12. STRUCTURES AND UNDERGROUND FEATURES TO BE REMOVED WITHIN THE TREE PROTECTION ZONE SHALL BE COORDINATED WITH THE PROJECT ARBORIST.
13. TREE PROTECTION FENCING AROUND TREES TO BE RELOCATED SHALL BE ERECTED UNTIL THE TREE IS READY TO BE RELOCATED AND NEW FENCING SHALL BE ERECTED AT THE TREES NEW LOCATION AND WILL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE.
14. IF ANY DAMAGE TO TREE PROTECTION FENCING SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIRS.
15. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE PROTECTED AREA OF TREES TO BE PRESERVED, A ROAD BED OF SIX (6) INCHES OF MULCH OR GRAVEL SHALL BE CREATED TO PROTECT THE SOIL. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A SIX (6) INCH ROAD BED AT ALL TIMES. CONTRACTOR SHALL REMOVE ALL SUCH MATERIALS FROM THE SITE AS SOON AS TEMPORARY ACCESS IS NO LONGER NECESSARY.
16. CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST PRIOR TO THE REMOVAL OF ALL TREE PROTECTION FENCING.

C. ROOT PRUNING/TRENCHING

1. TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE PROJECT ARBORIST.
2. TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE PROJECT ARBORIST. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
5. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

D. CLEARING

1. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH HAND-OPERATED EQUIPMENT.
2. CONTRACTOR SHALL CLEAR ALL TREE PROTECTION AREAS OF VINES, SHRUBS, GROUND COVERS, WEEDS, SAPLINGS, AND INVASIVES LISTED ON THE LATEST EDITION OF THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE SPECIES.
3. PROJECT ARBORIST MUST APPROVE METHODS OTHER THAN HAND CLEARING.
4. A TWO (2) INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES DURING THE SITE CLEARING PHASE.

E. TREE CANOPY PRUNING

TREE PRUNING SPECIFICATIONS SHALL BE DEFINED BASED ON SPECIFIC RECOMMENDATIONS OF THE PROJECT ARBORIST. INFORMATION PRESENTED BELOW SHOULD BE USED AS A GUIDELINE.

1. CONTRACTOR SHALL VISIT THE SITE WITH THE PROJECT ARBORIST TO VERIFY THE EXTENT OF REQUIRED PRUNING.
2. ALL PRUNING SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST OR AN AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA) REGISTERED CONSULTING ARBORIST (RCA).
3. AT LEAST ONE MEMBER OF THE PRUNING CREW SHALL BE AN ISA CERTIFIED ARBORIST.
4. WHILE IN THE TREE, THE ARBORIST SHALL PERFORM AN AERIAL INSPECTION TO IDENTIFY DEFECTS THAT REQUIRE TREATMENT. ANY ADDITIONAL WORK NEEDED SHALL BE REPORTED TO THE OWNER.
5. PRUNING CUTS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI A300 PRUNING STANDARD (AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS) AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI Z133.1 SAFETY STANDARD. PRUNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ISA'S "BEST MANAGEMENT PRACTICES: TREE PRUNING".
6. WHERE TEMPORARY CLEARANCE IS NEEDED FOR ACCESS, BRANCHES SHALL BE TIED BACK TO HOLD THEM OUT OF THE CLEARANCE ZONE.
7. NO MORE THAN 20 PERCENT OF LIVE FOLIAGE SHALL BE REMOVED WITHIN ANY TREE.
8. ALL TREES WITHIN THE PROJECT AREA SHALL BE PRUNED AS FOLLOWS:
    a. LIVE BRANCH PRUNING SHOULD BE PERFORMED ONLY WHEN THE DANGER OF INSECT OR DISEASE INFESTATION IS NOT PRESENT.
    b. REMOVE STUBS, CUTTING OUTSIDE THE WOUND WOOD TISSUE THAT HAS FORMED AROUND THE BRANCH.
    c. CLEANING, FOR THE SELECTIVE REMOVAL OF DEAD, DISEASED, BROKEN, OR CROSSING BRANCHES DOWN TO ONE INCH IN DIAMETER OR AS DIRECTED BY THE PROJECT ARBORIST.
    d. PRUNING CUTS LARGER THAN 4 INCHES IN DIAMETER, EXCEPT FOR DEAD WOOD, SHALL BE AVOIDED.
    e. PRUNING CUTS THAT EXPOSE HEARTWOOD SHALL BE AVOIDED WHENEVER POSSIBLE.
    f. ALL TREES WITH CROWNS THAT PROJECT INTO PARKING LOT/ROADWAY AREAS SHALL BE RAISED TO 14 FEET ABOVE FINISHED GRADE.
    g. ALL TREES WITH CROWNS THAT PROJECT INTO SIDEWALK AREAS SHALL BE RAISED TO A HEIGHT OF 8 FEET ABOVE FINISHED GRADE.
9. TREES, WHO'S ROOT SYSTEMS WILL BE IMPACTED SHALL RECEIVE THE FOLLOWING PRUNING TO COMPENSATE FOR ROOT LOSS:
    a. THE LOCATION AND SIZE OF BRANCHES FOR REDUCTION SHALL BE DEFINED BY THE PROJECT ARBORIST.
    b. REDUCTION, OR THE SELECTIVE PRUNING TO REDUCE TREE HEIGHT OR SPREAD.
    c. REDUCE END WEIGHT ON HEAVY, HORIZONTAL BRANCHES BY SELECTIVELY REMOVING SMALL DIAMETER BRANCHES, NO GREATER THAN 2 TO 3 INCHES, NEAR THE ENDS OF SCAFFOLD BRANCHES.
    d. RAISING SHALL CONSIST OF SELECTIVE PRUNING TO PROVIDE VERTICAL CLEARANCE.
10. PROPOSED/REPLACEMENT TREES
    a. PRUNING SHALL BE LIMITED TO CLEANING.
11. BRUSH SHALL BE CHIPPED AND SPREAD (ONLY WHEN DISEASE OR INSECT INFESTATION IS NOT PRESENT) UNDERNEATH TREES WITHIN THE TREE PROTECTION ZONE TO A MAXIMUM DEPTH OF THREE (3) INCHES, LEAVING THE TRUNK CLEAR OF MULCH.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS DEBRIS ON A DAILY BASIS.

F. FERTILIZATION

1. CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
2. EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
3. ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
4. TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
    a. MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
    b. MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER. AGITATE MIX.
    c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
    d. THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
    e. FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
    f. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.

G. INSECTICIDE

7. NOTIFY PROJECT ARBORIST IF ANY INFESTATION IS NOTICED.
8. FOLLOW PROJECT ARBORIST'S RECOMMENDED PROCEDURES.
9. FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS CONCERNING APPLICATION. READ ALL WARNING LABELS.
10. ANY PETS, AS WELL AS, THE PETS FOOD AND WATER BOWLS SHOULD BE REMOVED FROM THE AREA AND ANY SWIMMING POOLS SHOULD BE COVERED. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
11. ENSURE COMPLETE COVERAGE AND REAPPLY 2-3 MONTHS AFTER INITIAL APPLICATION UTILIZING SAME PROCEDURE.

H. IRRIGATION

1. EVERY EFFORT SHALL BE MADE TO WATER THE PRESERVED TREES AND TRANSPLANTS. CONTRACTOR SHALL IRRIGATE BY HAND OR BY TEMPORARY IRRIGATION.
2. IRRIGATE AS REQUIRED BY PROJECT ARBORIST UNTIL PERMANENT IRRIGATION IS INSTALLED AND OPERATING.
3. UNDERGROUND IRRIGATION SHALL NOT BE INSTALLED WITHIN THE DRIP LINES OF EXISTING TREES UNLESS ROOT PROTECTION MEASURES ARE PROVIDED AND APPROVED BY PROJECT ARBORIST.

I. TREE REMOVALS

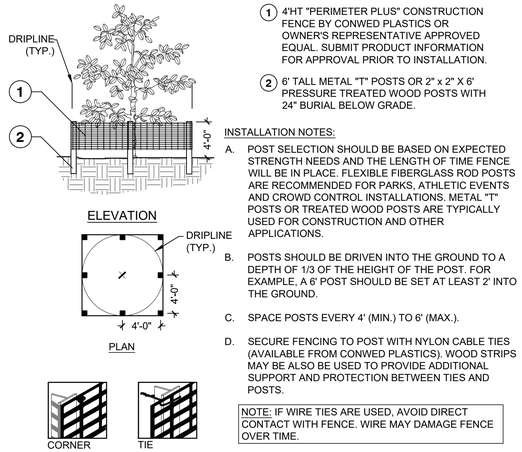
1. PRIOR TO AND DURING LAND CLEARING, INCLUDING GRUBBING, ALL TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY PROJECT ARBORIST WITH RED SURVEY RIBBONS AT 36 INCHES MINIMUM ABOVE GRADE.
2. CONTRACTOR SHALL REMOVE ALL TREES AS SHOWN ON THE TREE MITIGATION PLANS AFTER THE TREE PROTECTION FENCING IS INSTALLED.
3. ALL TREES SHOWN TO BE REMOVED SHALL BE FELLED WITH A CHAIN SAW AND STUMP GROUND 6" BELOW SURFACE. ANY TREE SHOWN TO BE REMOVED THAT IS IN AN AREA WHERE COMPACTION IS CRITICAL SHALL BE FELLED WITH A CHAIN SAW AND STUMP REMOVED BY CONTRACTOR.
4. ALL WOOD AND STUMPS FROM REMOVALS SHALL BE HAULED FROM THE SITE THE SAME DAY, EXCEPT FOR TOPS. ALL TOPS ARE TO BE MULCHED AND STOCKPILED OR HAULED DIRECTLY TO MULCHED AREAS FOR RELOCATED TREES IF SCHEDULING PERMITS. TOPS SHALL BE CHIPPED AND PLACED IN THE TREE PROTECTION ZONE TO A DEPTH OF THREE (3) INCHES. ALL EXCESS WOOD CHIPS SHOULD BE HAULED OFF SITE AFTER TRANSPLANTING IS COMPLETE.
5. ALL BURN PITS IF APPLICABLE MUST BE APPROVED BY THE PROJECT ARBORIST AND OWNER.
6. TREES TO BE REMOVED THAT HAVE BRANCHES EXTENDING INTO THE CANOPY OF TREES TO REMAIN MUST BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST AND NOT BY DEMOLITION OR CONSTRUCTION CONTRACTORS. THE QUALIFIED ARBORIST SHALL REMOVE THE TREE IN A MANNER THAT CAUSES NO DAMAGE TO THE TREES AND UNDERSTORY VEGETATION TO REMAIN.
7. TREES TO BE REMOVED LOCATED WITHIN THE TREE PROTECTION ZONE SHALL BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST. THE TREES SHALL BE CUT NEAR GROUND LEVEL AND THE STUMP GROUND OUT.

J. TOPSOIL

8. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
9. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.
10. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE (1) INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.
11. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR (4) INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.
12. PROJECT ARBORIST SHALL APPROVE ALL TOPSOIL PRIOR TO PLACEMENT.

K. REPAIR OF DAMAGED TREES

1. IF DAMAGE TO ANY TREE SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE DURING THE CONSTRUCTION PERIOD, THE PROJECT ARBORIST SHALL APPRAISE THE DAMAGE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPAIR BY THE CONTRACTOR.
2. IF ANY TREE DESIGNATED TO BE SAVED IS REMOVED FROM THE SITE WITHOUT PERMISSION OF THE OWNER'S REPRESENTATIVE, THE PROJECT ARBORIST SHALL APPRAISE THE TREE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE TREE AND ANY FEES THAT MAY BE ASSESSED TO THE OWNER BY THE GOVERNING AGENCY.



1. 4'HT "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 6' TALL METAL "T" POSTS OR 2" x 2" X 6' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 4' (MIN.) TO 6' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

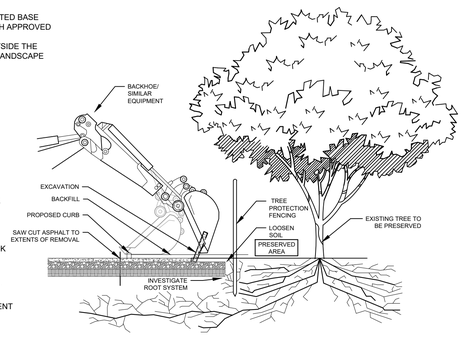
NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

1 TREE PROTECTION FENCING

NTS JAX-FG-12

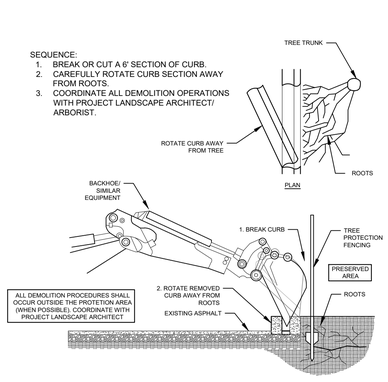
NOTES:
CONTRACTOR TO REMOVE ASPHALT AND ASSOCIATED BASE MATERIAL TO EXISTING SOIL DEPTH. BACKFILL WITH APPROVED SOIL MIXTURE.
ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST PRIOR TO DEMOLITION.

SEQUENCE:
1. INSTALL PROTECTION FENCE.
2. SAW-CUT A LINEAR SECTION OF ASPHALT.
3. CAREFULLY EXCAVATE PAVING TO SUB-GRADE BY PEELING BACK ASPHALT.
4. INVESTIGATE TO DETERMINE EXTENT OF ROOT SYSTEM.
a. NO ROOT GROWTH- EXCAVATE FROM BACK OF CURB TO EXTENT OF PROPERTY IMPROVEMENTS.
b. ROOT GROWTH- ROOT PRUNE PER PLAN.
c. INSTALL A 20 MIL ROOT BARRIER AT ROOT PRUNE LINE. LOOSEN SOIL WITH HAND TOOLS OR AIR-SPADE THROUGHOUT EXTENT OF EXPANDED PLANTING AREA.



PAVEMENT DEMOLITION PROCEDURE

SEQUENCE:
1. BREAK OR CUT A 6' SECTION OF CURB.
2. CAREFULLY ROTATE CURB SECTION AWAY FROM ROOTS.
3. COORDINATE ALL DEMOLITION OPERATIONS WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST.



CURB DEMOLITION PROCEDURE

2 / C3.50 PAVEMENT DEMOLITION PROCEDURE

NTS JAX-FE-FBH-16

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

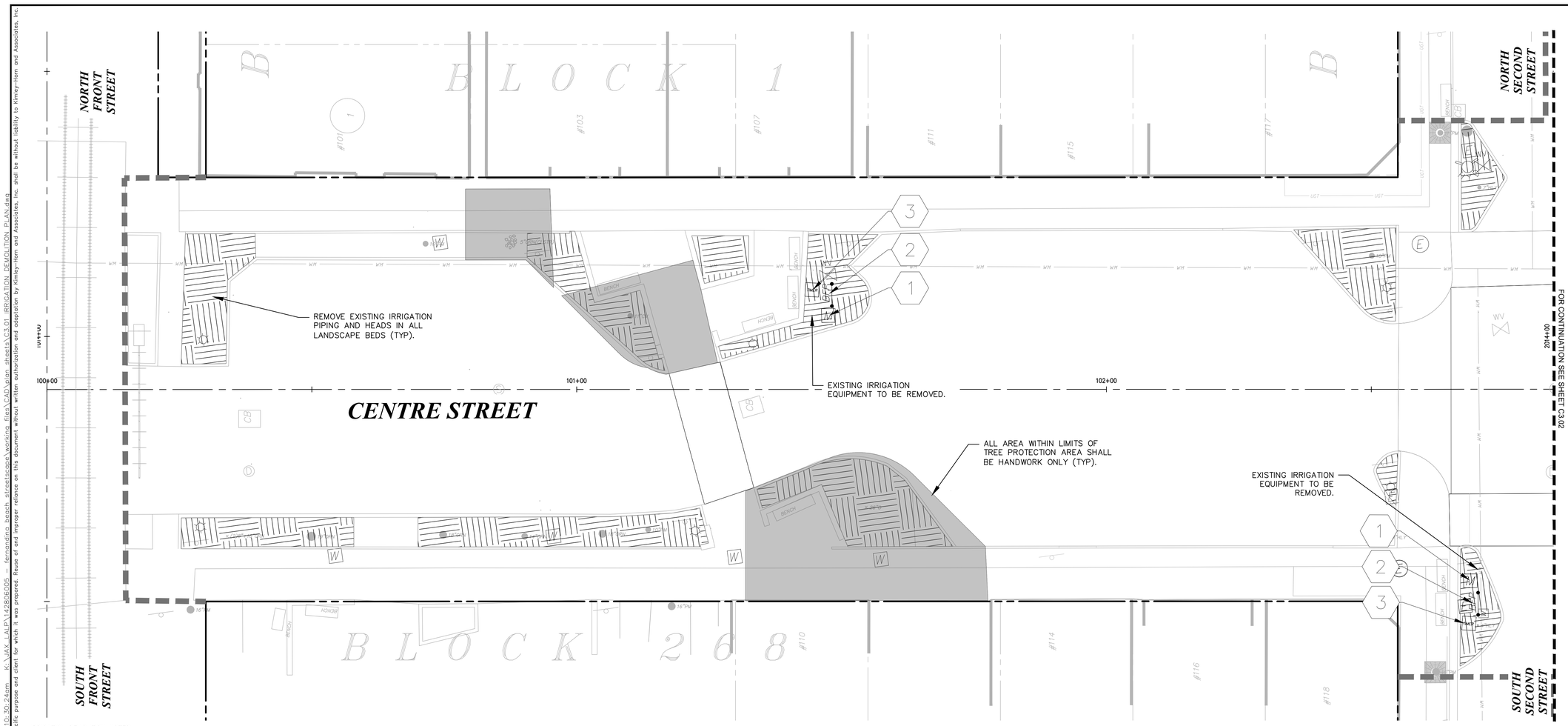
FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005	DESIGNED BY: KHA
DATE 01/08/2025	DRAWN BY: NL
SCALE: AS SHOWN	CHECKED BY: MAJ

TREE DISPOSITION NOTES & DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C2.50



IRRIGATION DEMOLITION NOTES:

1. ANY ITEMS TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO THE EXISTING CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE.
2. REMOVE AND SALVAGE ALL CITY-OWNED IRRIGATION EQUIPMENT (IRRIGATION PIPES, VALVES, METERS TIMERS, IRRIGATION PIPE SLEEVING, ETC.).
3. REFER TO TREE DISPOSITION, DEMOLITION, AND PLANTING PLANS FOR TREE REMOVAL, RELOCATION, AND PROTECTION INFORMATION. ANY AREAS WHERE CONCRETE OR ASPHALT ARE TO BE REMOVED, ALL BASE AND SUBGRADE MATERIAL SHALL BE REMOVED TO A DEPTH OF 2 FEET UNLESS WITHIN TREE PROTECTION AREA.
4. REFER TO DEMOLITION PLAN FOR SITE FURNISHING AND HARDSCAPING REMOVAL AND ANY PROTECTION INFORMATION.
5. ALL VALVE BOXES, MANHOLES, CATCH BASINS, AND OTHER ITEMS TO REMAIN SHALL BE ADJUSTED TO PROPOSED GRADE.
6. THE INTENT OF THE IRRIGATION DEMOLITION PLAN IS TO DEPICT EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN.THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS IRRIGATION DEMOLITION PLAN.
7. THIS IRRIGATION DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY.
8. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION AND DEWATERING PERMITS, IF APPLICABLE.
9. ALL IRRIGATION FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED AND TO BE REMOVED FROM THE SITE.
10. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THE CONSTRUCTION DRAWINGS UNLESS OTHERWISE DIRECTED BY THE DEVELOPER OR AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
11. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
12. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
13. ALL IRRIGATION EQUIPMENT NEAR TREE PROTECTION AREAS TO HAND DUG ONLY TO AVOID INTERFERING WITH EXISTING TREE ROOTS.
14. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS ARE TO BE PROTECTED IN PAVEMENT REMOVAL AREAS. CONTRACTOR SHALL REPLACE DAMAGED STRUCTURES AT THEIR EXPENSE.
15. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. AS APPROVED BY THE CITY OF WEST PALM BEACH AND CONSTRUCTION MANAGER.
16. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF EXISTING FACILITIES AND CONSTRUCTION OF NEW FACILITIES. SIGNAGE SHALL BE POSTED TO DIRECT THE PUBLIC TO THE PATH OF TRAVEL.
17. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
16. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE, UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
17. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.
18. CONTRACTOR MUST COORDINATE THE LIMITS OF UTILITY DEMOLITION WITH PROPOSED PLANS.
19. ADDITIONAL CONCRETE SUB SLAB REMOVAL FOR MISCELLANEOUS UTILITY INSTALLATION (LIGHT POLES, WATER SERVICES, UTILITY BOX COVERS, PARKING METERS, BOLLARDS, ETC.) WILL BE REQUIRED.
20. REFER TO UTILITY PLANS FOR DETAILS ON LIMITS AND PHASING OF WATER AND SEWER DEMOLITION.

LEGEND

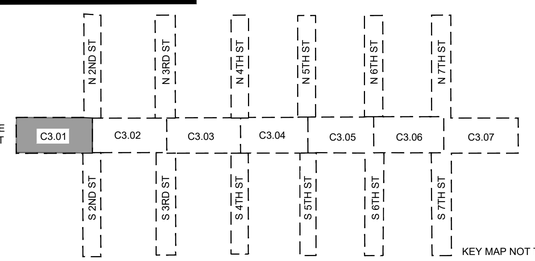
- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM — COM — COM — PROPOSED ELECTRIC

IRRIGATION DEMOLITION LEGEND

- EXISTING TREE PROTECTION AREA (CRITICAL ROOT ZONE AREAS MUST BE DONE BY HAND).
- EXISTING IRRIGATION EQUIPMENT IN LANDSCAPE BED TO BE REMOVED
- (1) M — EXISTING WATER METER TO BE REMOVED
- (2) BFP — EXISTING BACKFLOW PREVENTER TO BE REMOVED
- (3) TIMER — EXISTING IRRIGATION CONTROLLER TO BE REMOVED

NOTES:

1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.



KEY MAP NOT TO SCALE

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	
DATE	01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	
DRAWN BY: NL	
CHECKED BY: MAJ	

IRRIGATION DEMOLITION PLAN

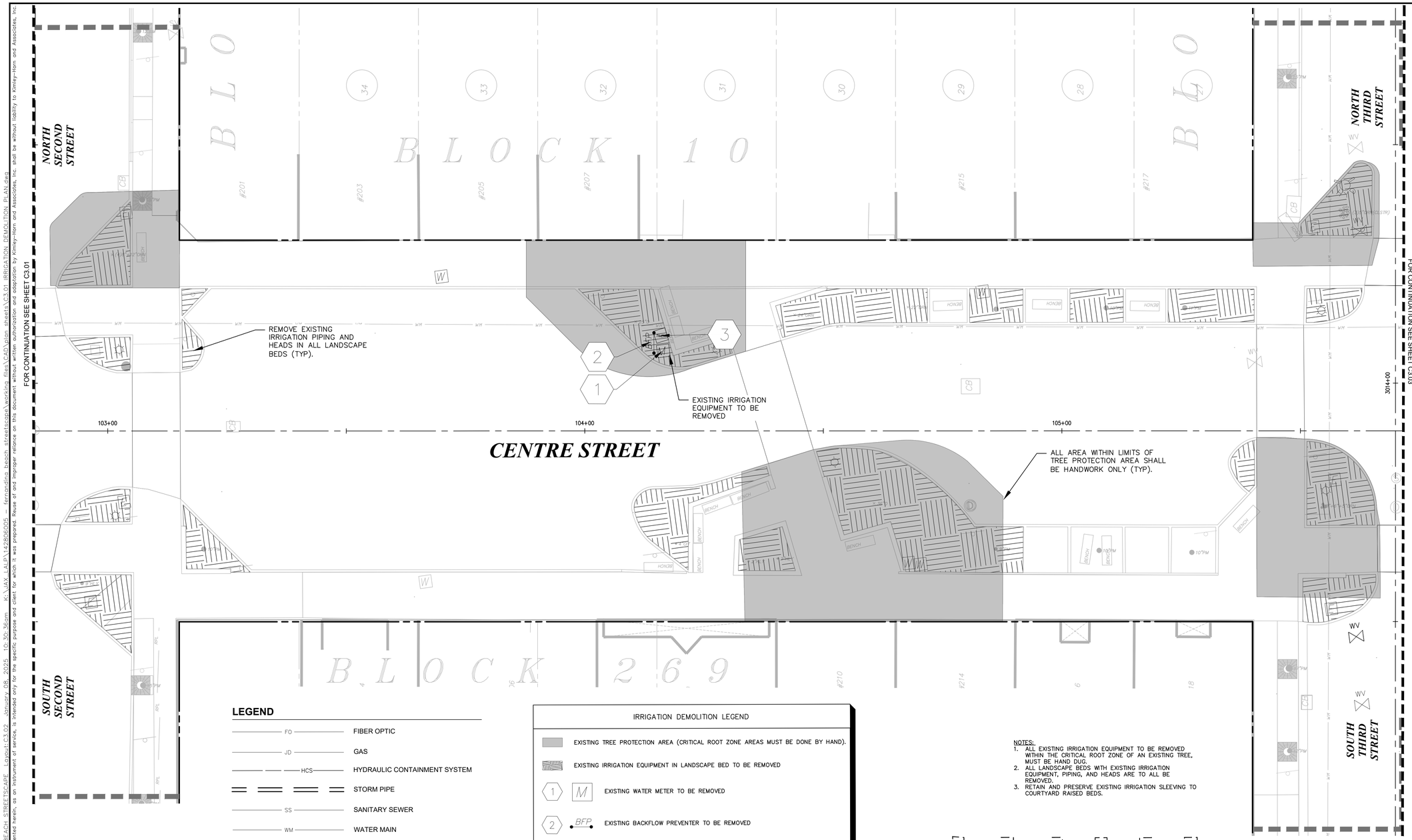
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C3.01

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C3.01 January 08, 2025 10:30:24am K:\JAX_LA\EV142806005 — fernandina beach streetscape\working files\CAD\xlay sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C3.02 January 08, 2025 10:30:36am K:\JAX_LAP\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



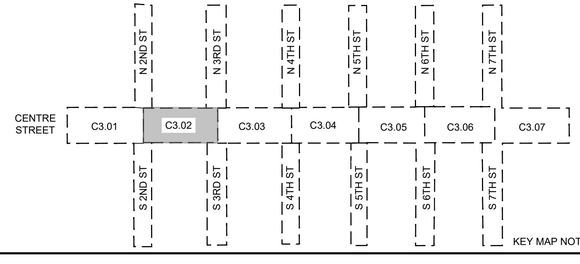
LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM COM COM	PROPOSED ELECTRIC

IRRIGATION DEMOLITION LEGEND

	EXISTING TREE PROTECTION AREA (CRITICAL ROOT ZONE AREAS MUST BE DONE BY HAND).
	EXISTING IRRIGATION EQUIPMENT IN LANDSCAPE BED TO BE REMOVED
1 M	EXISTING WATER METER TO BE REMOVED
2 BFP	EXISTING BACKFLOW PREVENTER TO BE REMOVED
3 TIMER	EXISTING IRRIGATION CONTROLLER TO BE REMOVED

NOTES:
1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.



KEY MAP NOT TO SCALE

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

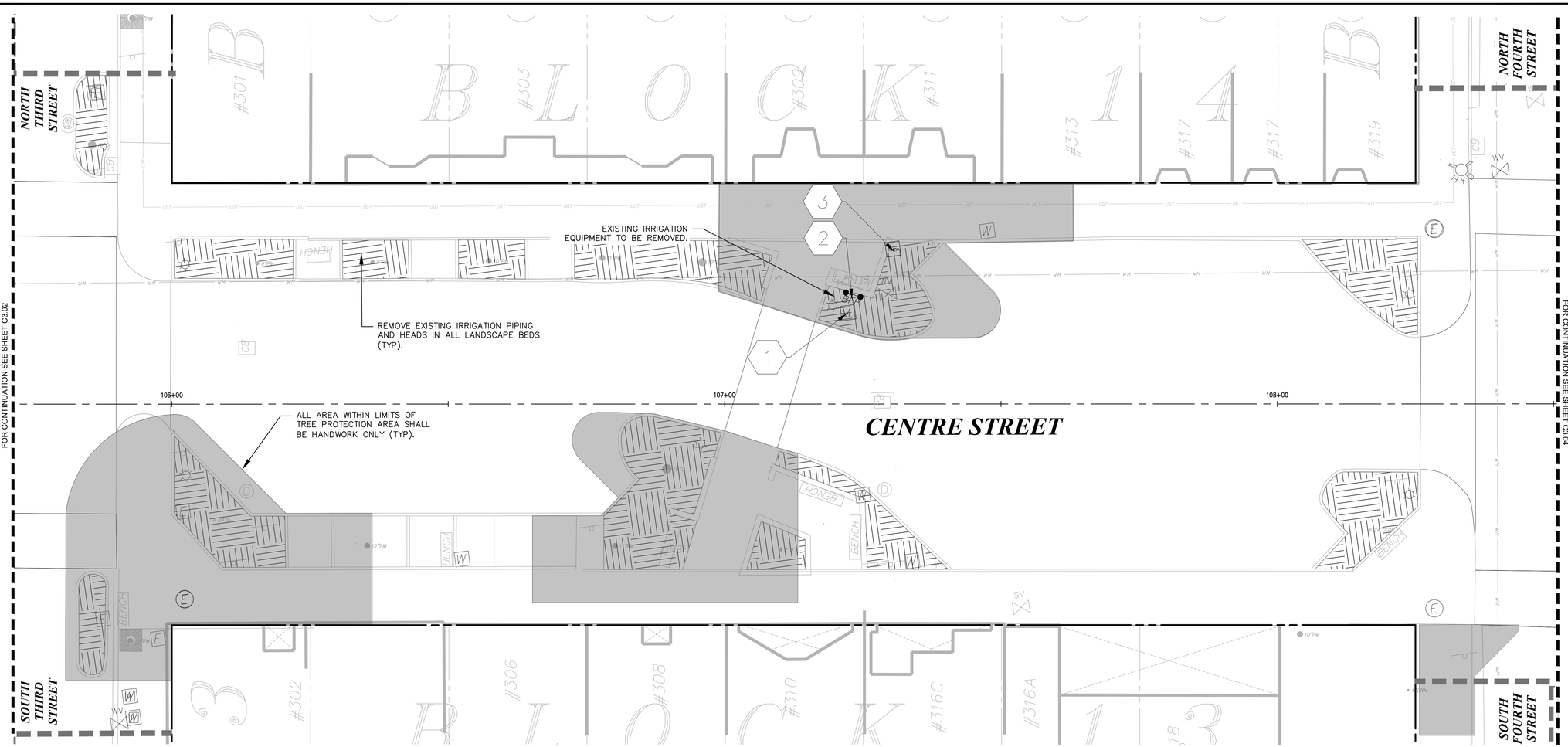
IRRIGATION DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
C3.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C3.03 January 08, 2025 10:30:50am K:\JAX_LAP\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



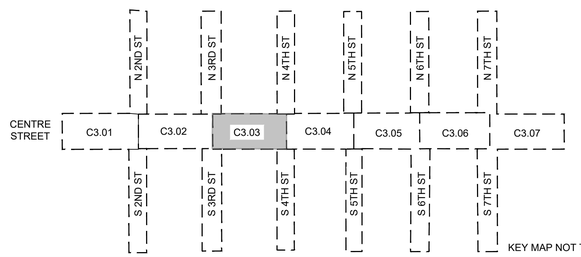
NOTES:
1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.

LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM COM COM	PROPOSED ELECTRIC

IRRIGATION DEMOLITION LEGEND

	EXISTING TREE PROTECTION AREA (CRITICAL ROOT ZONE AREAS MUST BE DONE BY HAND).
	EXISTING IRRIGATION EQUIPMENT IN LANDSCAPE BED TO BE REMOVED
1 M	EXISTING WATER METER TO BE REMOVED
2 BFP	EXISTING BACKFLOW PREVENTER TO BE REMOVED
3 TIMER	EXISTING IRRIGATION CONTROLLER TO BE REMOVED



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

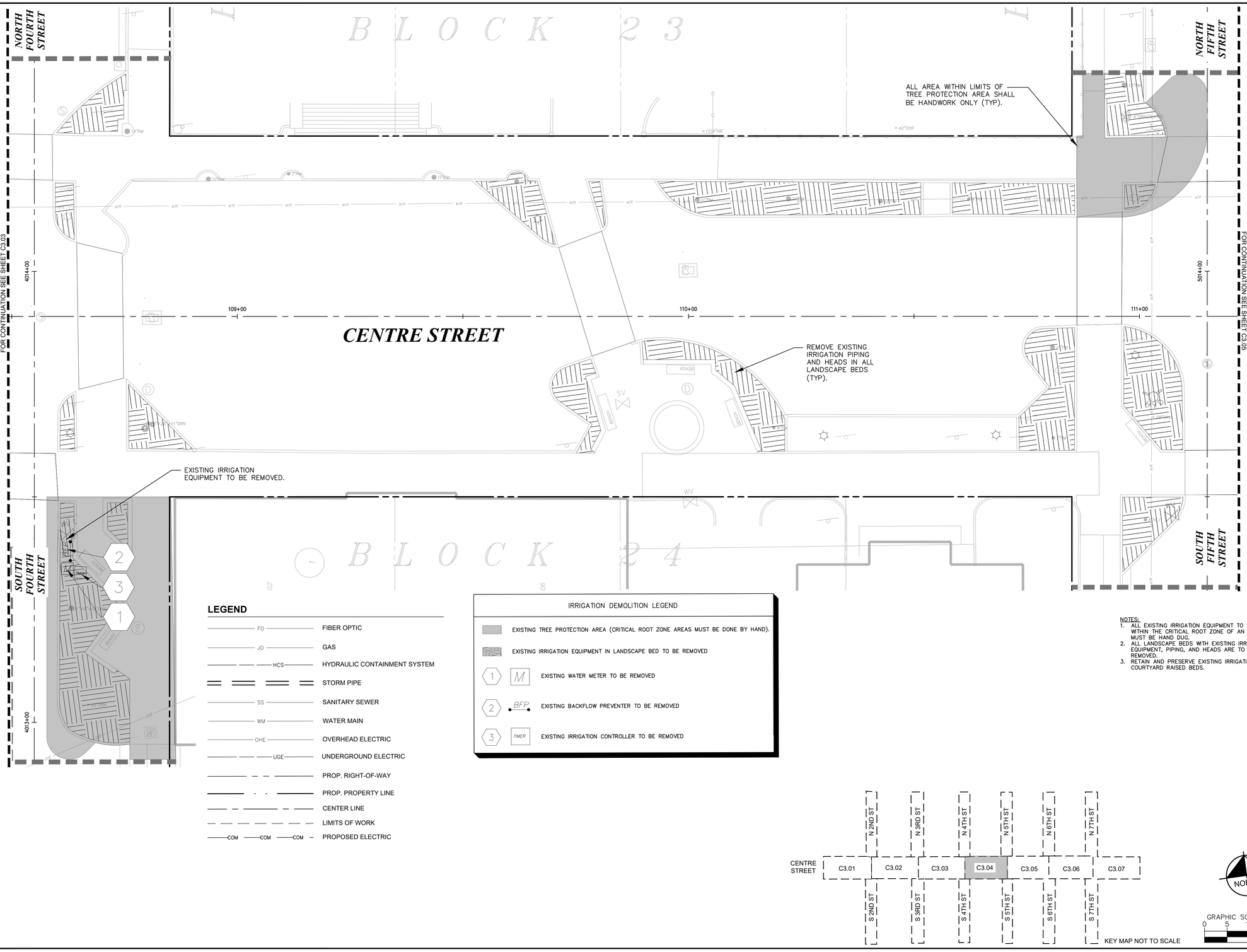
FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

IRRIGATION DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
C3.03



NOTES:
1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.

KEY MAP NOT TO SCALE

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

IRRIGATION DEMOLITION PLAN

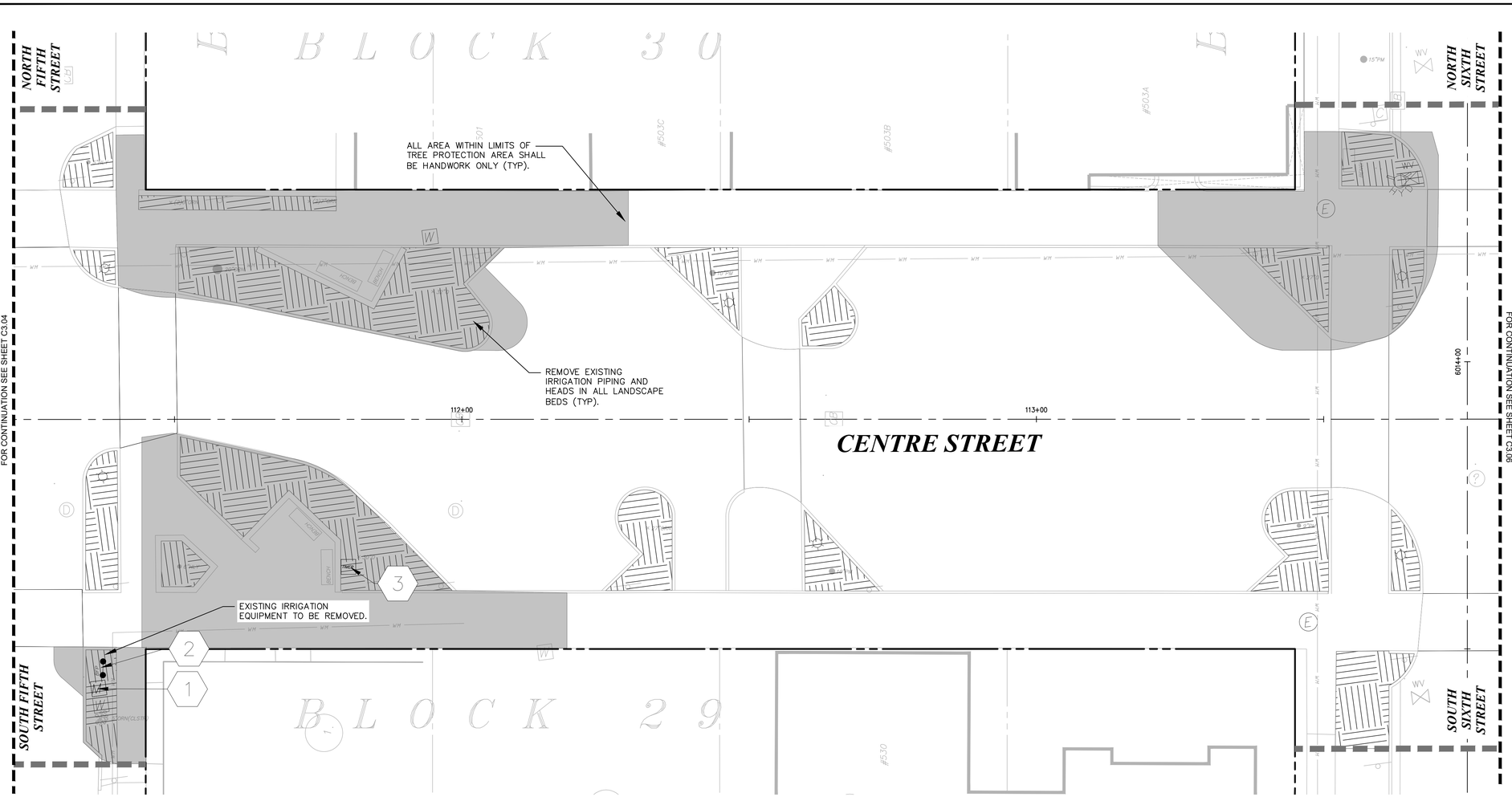
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C3.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C3.04 January 08, 2025 10:31:01am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



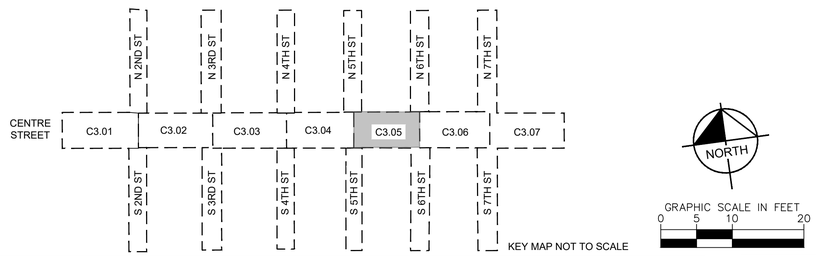
LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

IRRIGATION DEMOLITION LEGEND

	EXISTING TREE PROTECTION AREA (CRITICAL ROOT ZONE AREAS MUST BE DONE BY HAND).
	EXISTING IRRIGATION EQUIPMENT IN LANDSCAPE BED TO BE REMOVED
1 M	EXISTING WATER METER TO BE REMOVED
2 BFP	EXISTING BACKFLOW PREVENTER TO BE REMOVED
3 TIMER	EXISTING IRRIGATION CONTROLLER TO BE REMOVED

NOTES:
1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

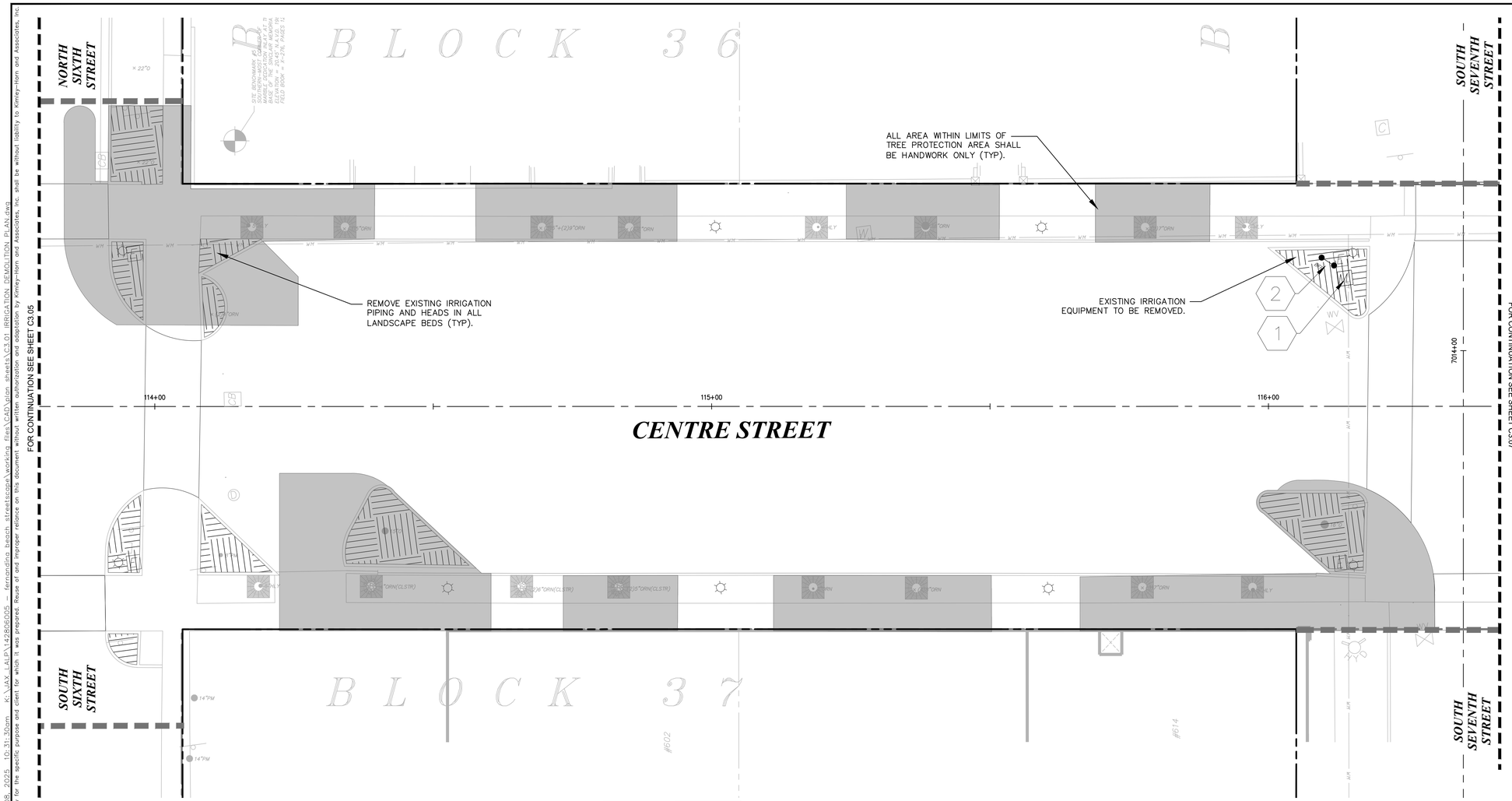
IRRIGATION DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C3.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C3.05 January 08, 2025 10:31:16am K:\JAX\LALP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



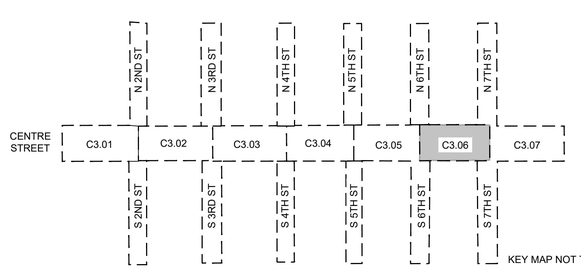
LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM	PROPOSED ELECTRIC

IRRIGATION DEMOLITION LEGEND

- EXISTING TREE PROTECTION AREA (CRITICAL ROOT ZONE AREAS MUST BE DONE BY HAND).
- EXISTING IRRIGATION EQUIPMENT IN LANDSCAPE BED TO BE REMOVED
- (1) M — EXISTING WATER METER TO BE REMOVED
- (2) BFP — EXISTING BACKFLOW PREVENTER TO BE REMOVED
- (3) TIMER — EXISTING IRRIGATION CONTROLLER TO BE REMOVED

NOTES:
1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

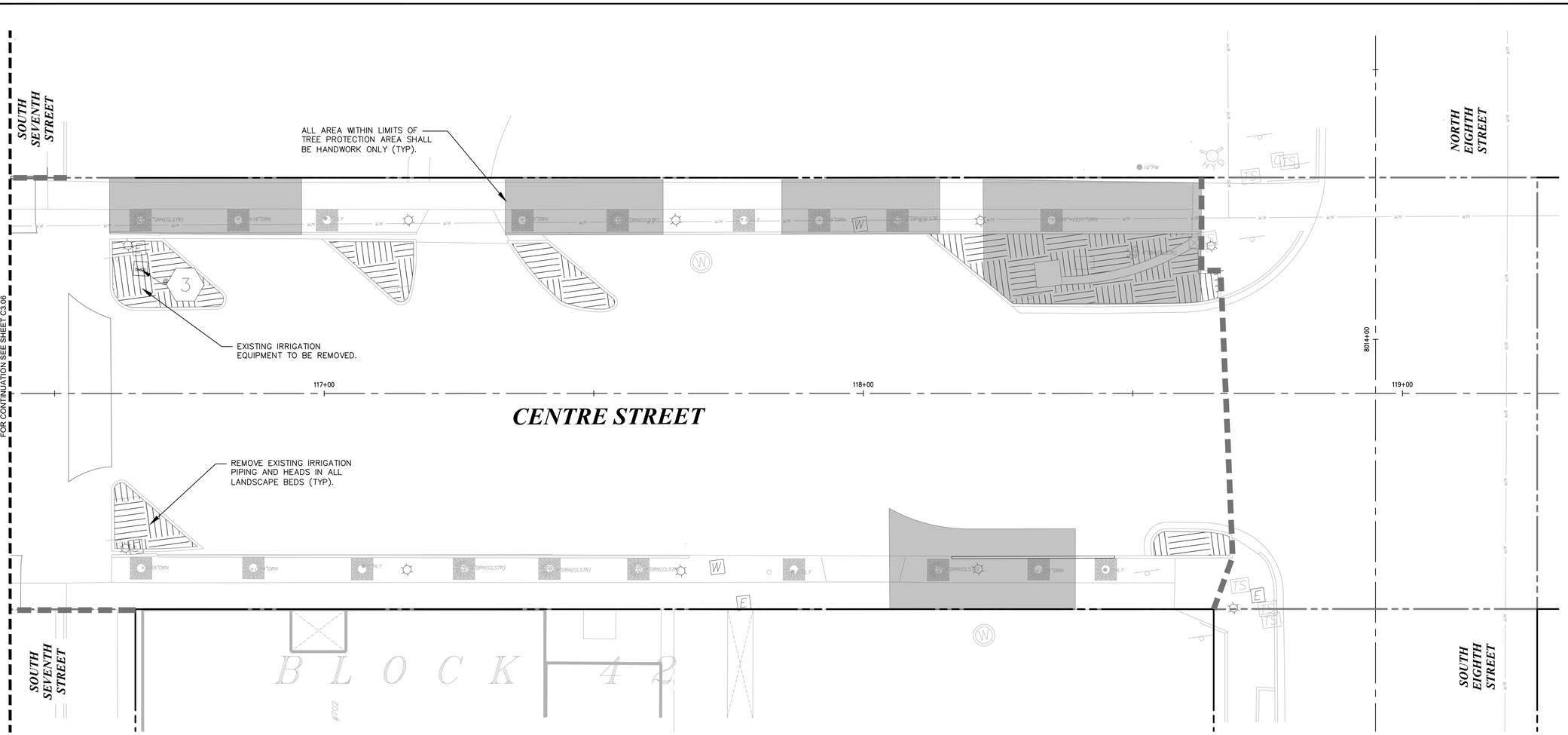
KHA PROJECT 142806005	DATE 01/08/2025		
SCALE: AS SHOWN	DESIGNED BY: KHA		
DRAWN BY: NL	CHECKED BY: MAJ		

IRRIGATION DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C3.06

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: C3.06 January 08, 2025 10:31:30am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



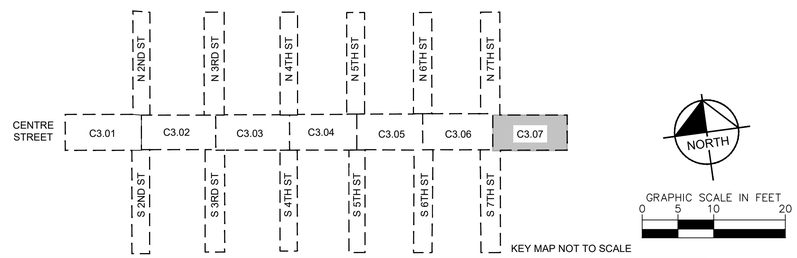
LEGEND

FO	FIBER OPTIC
JD	GAS
HCS	HYDRAULIC CONTAINMENT SYSTEM
	STORM PIPE
SS	SANITARY SEWER
WM	WATER MAIN
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
	PROP. RIGHT-OF-WAY
	PROP. PROPERTY LINE
	CENTER LINE
	LIMITS OF WORK
COM COM COM	PROPOSED ELECTRIC

IRRIGATION DEMOLITION LEGEND

	EXISTING TREE PROTECTION AREA (CRITICAL ROOT ZONE AREAS MUST BE DONE BY HAND).
	EXISTING IRRIGATION EQUIPMENT IN LANDSCAPE BED TO BE REMOVED
1 M	EXISTING WATER METER TO BE REMOVED
2 BFP	EXISTING BACKFLOW PREVENTER TO BE REMOVED
3 TIMER	EXISTING IRRIGATION CONTROLLER TO BE REMOVED

NOTES:
1. ALL EXISTING IRRIGATION EQUIPMENT TO BE REMOVED WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, MUST BE HAND DUG.
2. ALL LANDSCAPE BEDS WITH EXISTING IRRIGATION EQUIPMENT, PIPING, AND HEADS ARE TO ALL BE REMOVED.
3. RETAIN AND PRESERVE EXISTING IRRIGATION SLEEVING TO COURTYARD RAISED BEDS.



KEY MAP NOT TO SCALE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: NL	CHECKED BY: MAJ

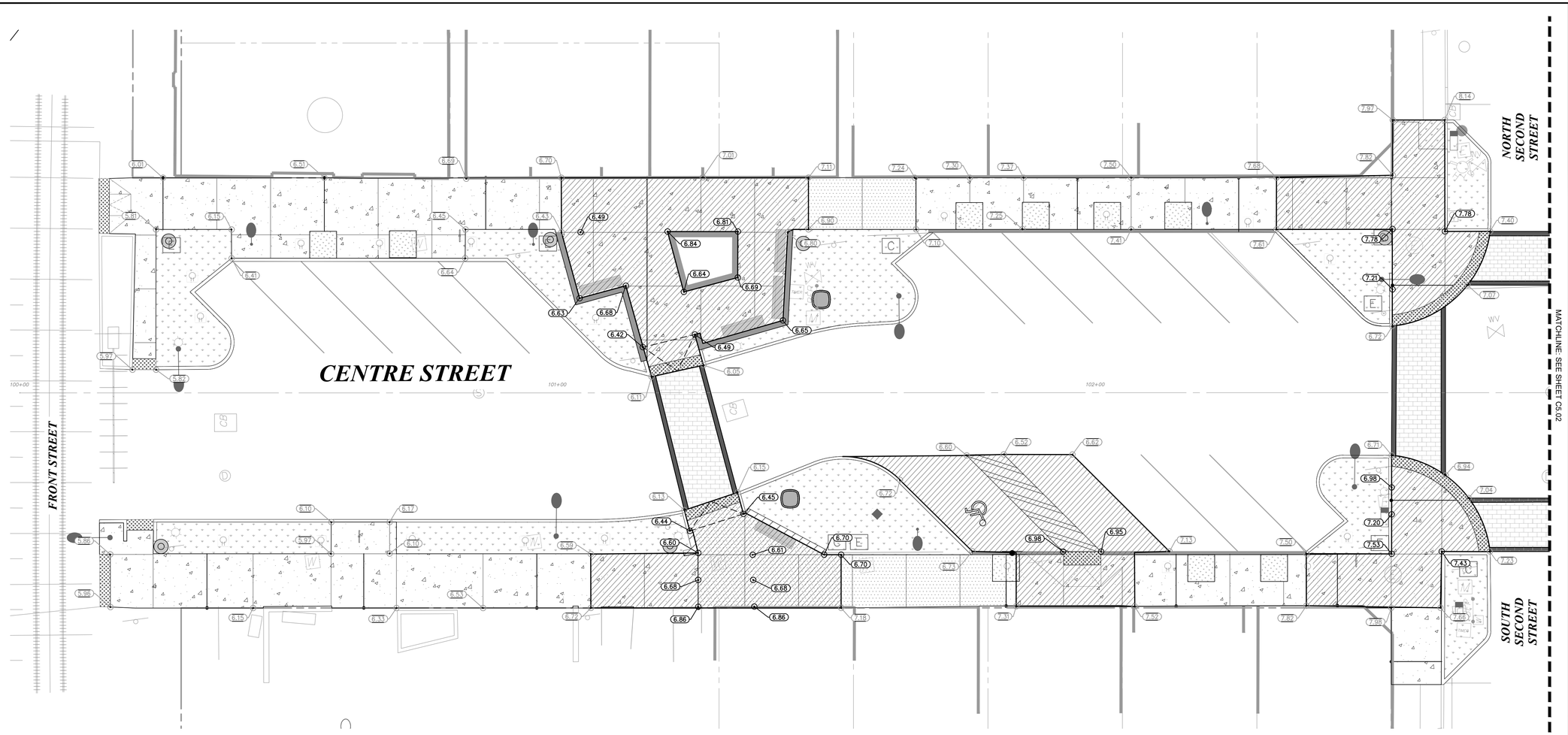
IRRIGATION DEMOLITION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
C3.07

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:C3.07 January 08, 2025 10:31:40am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\C3.01 IRRIGATION DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
D	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: CRZ
DRAWN BY: CRZ
CHECKED BY: BSD

GRADING AND DRAINAGE PLAN

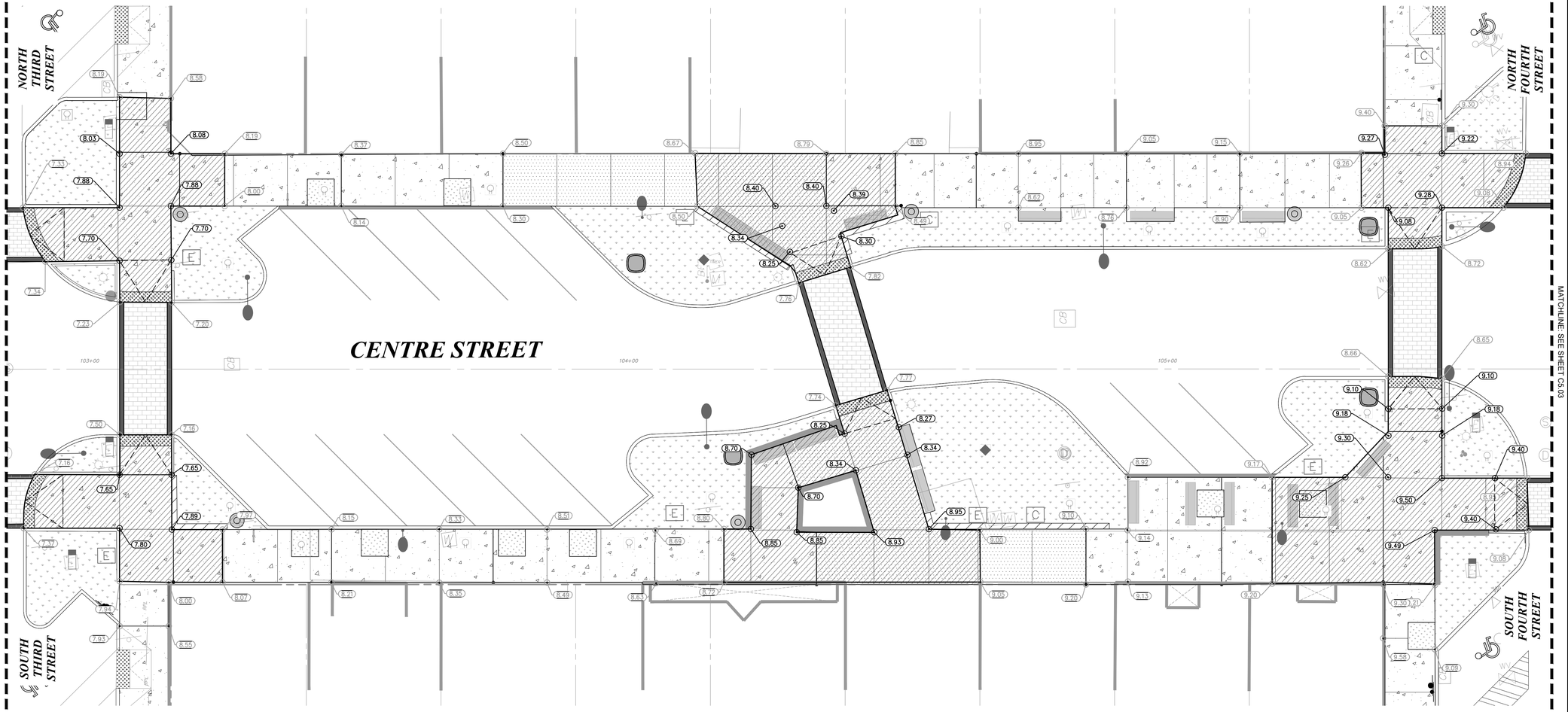
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C5.01

Plotted By: Zhannonet Charles Sheet Set: ########## Layout: C5.01 January 08, 2025 09:45:39am K:\JAX_LAI\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CAD\Print Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



MATCHLINE: SEE SHEET C5.01

MATCHLINE: SEE SHEET C5.03

LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
D	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	CRZ
DRAWN BY:	CRZ
CHECKED BY:	BSD

GRADING AND DRAINAGE PLAN

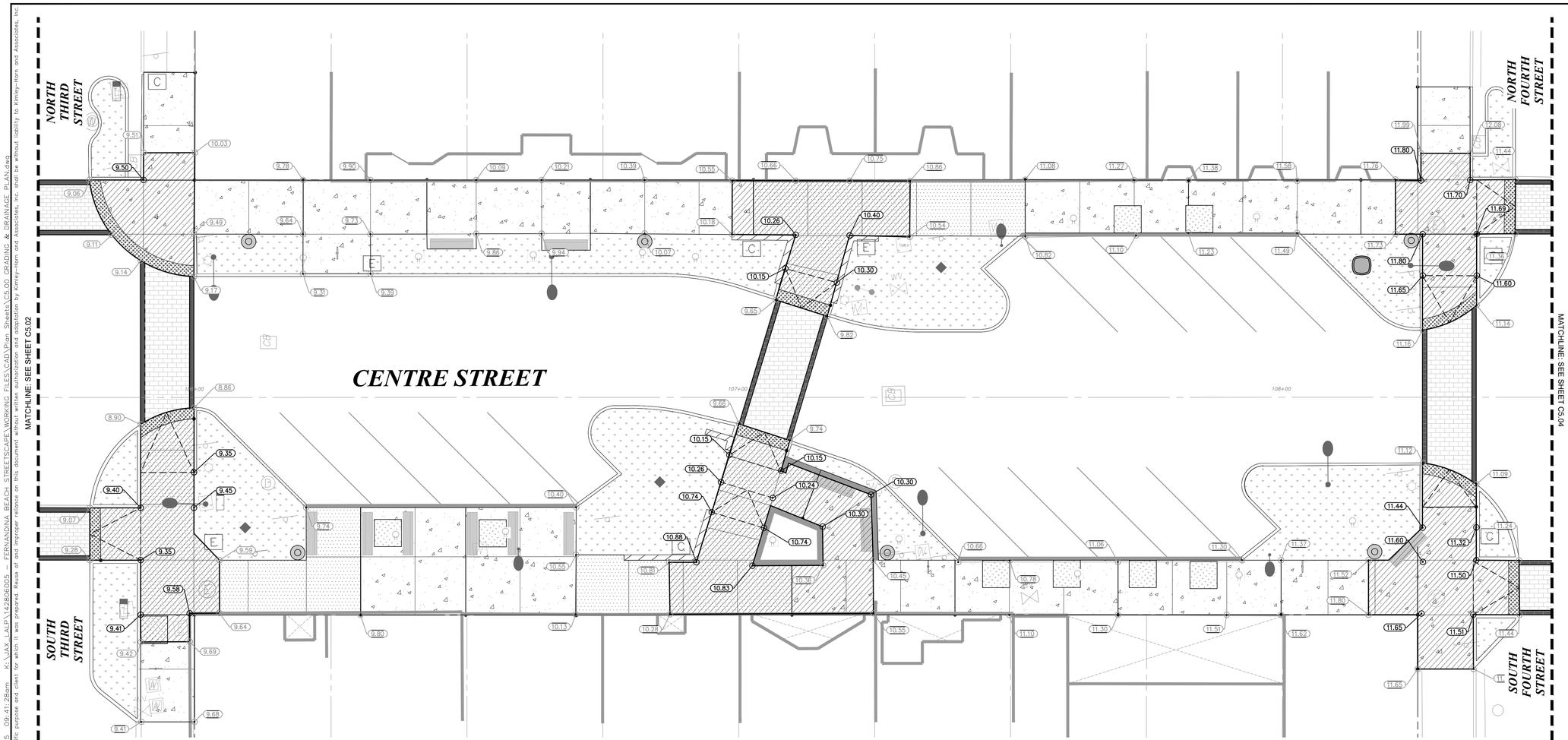
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C5.02

Plotted By: Zlaymont, Charles Sheet Set: ########## Layout: C5.02 January 08, 2025 09:47:34am K:\JAX_LAP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CAD\Plan Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
D	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

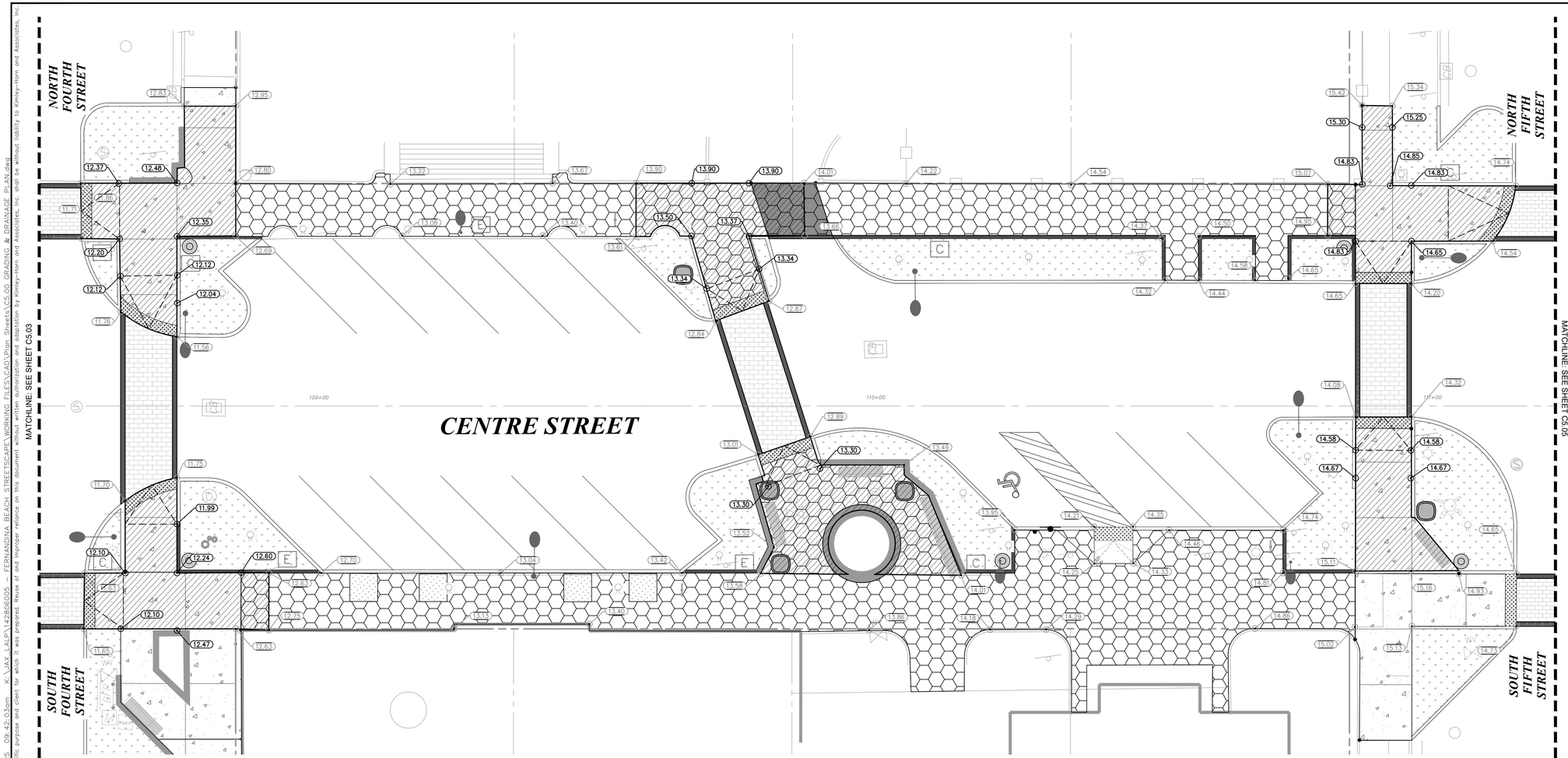
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	CRZ
DRAWN BY:	##
CHECKED BY:	BSD

GRADING AND DRAINAGE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C5.03

Plotted By:Zieqmont, Charles Sheet Set:########################## Layout:C5.03 January 08, 2025 09:41:28am K:\JAX_LAP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CAD\Plan Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
Ⓓ	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

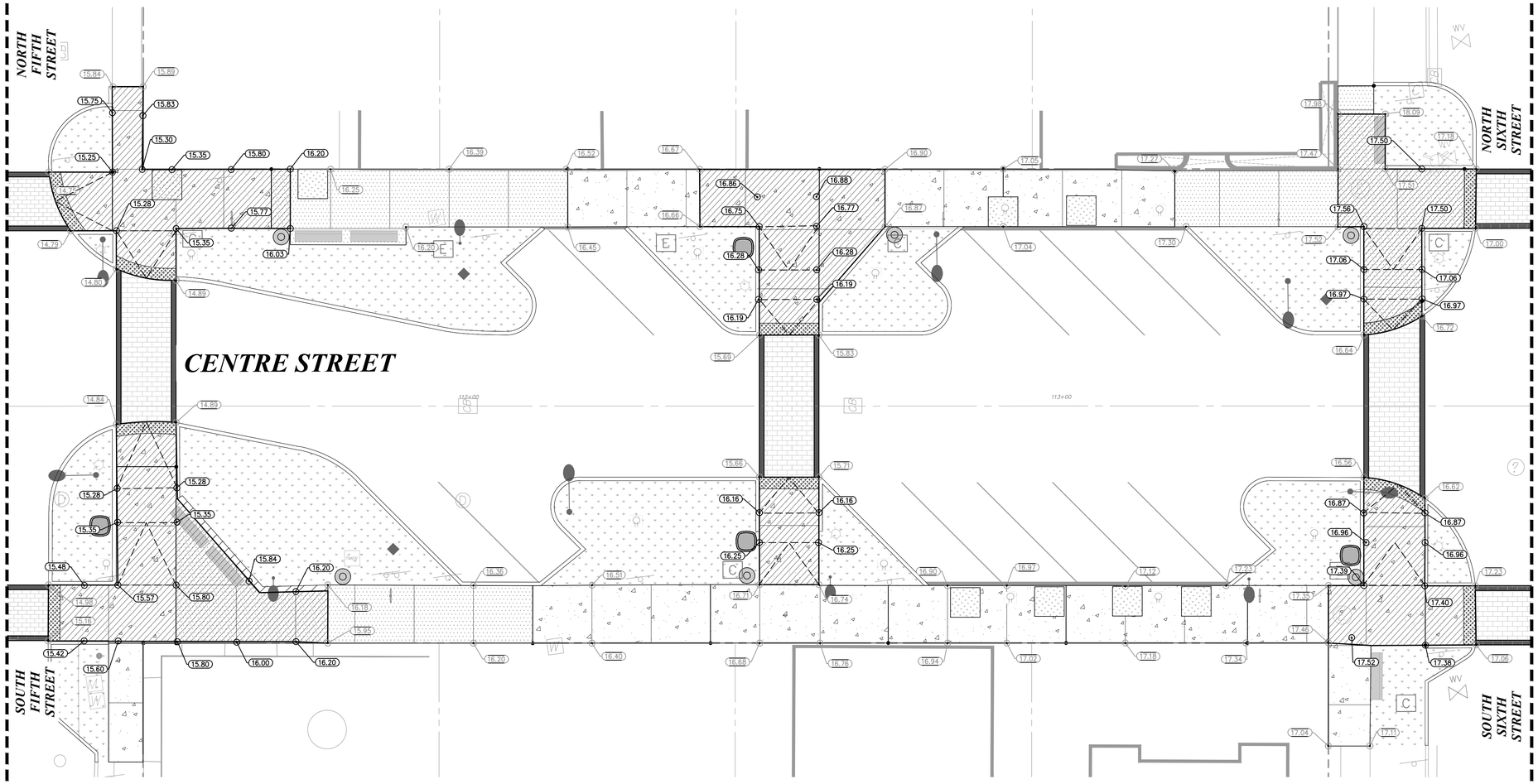
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	CRZ
DRAWN BY:	CRZ
CHECKED BY:	BSD

GRADING AND DRAINAGE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C5.04

Plotted By:Ziegmont, Charles Sheet Set: ########## Layout:C5.04 January 08, 2025 09:42:03am K:\JAX_LALP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CAD\Plan Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
D	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	CRZ
DRAWN BY:	CRZ
CHECKED BY:	BSD

GRADING AND DRAINAGE PLAN

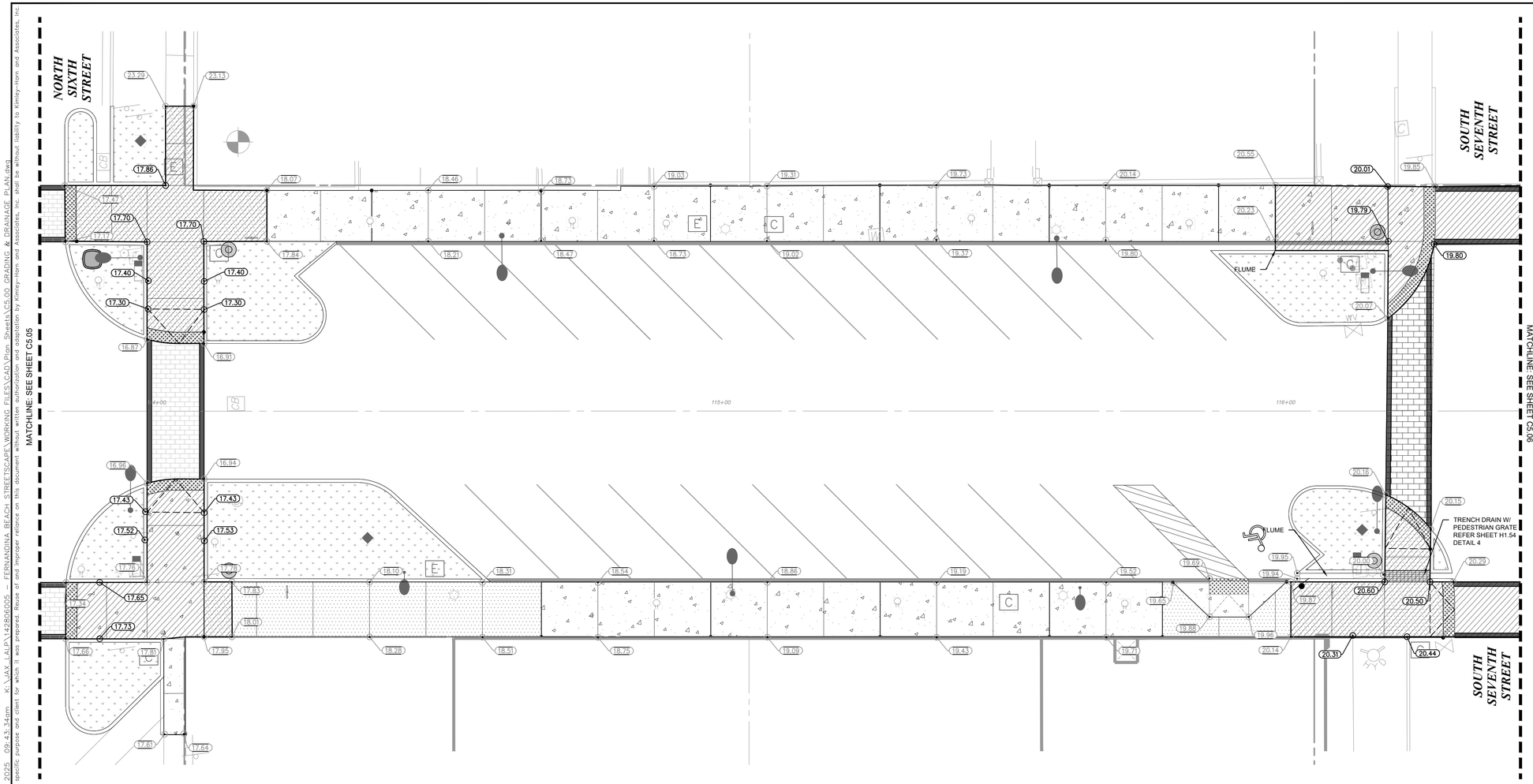
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C5.05

Plotted By:Zieqmont, Charles Sheet Set:########################## Layout:C5.05 January 08, 2025 09:42:59am K:\JAX_LAL\P\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CAD\Plan Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
D	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

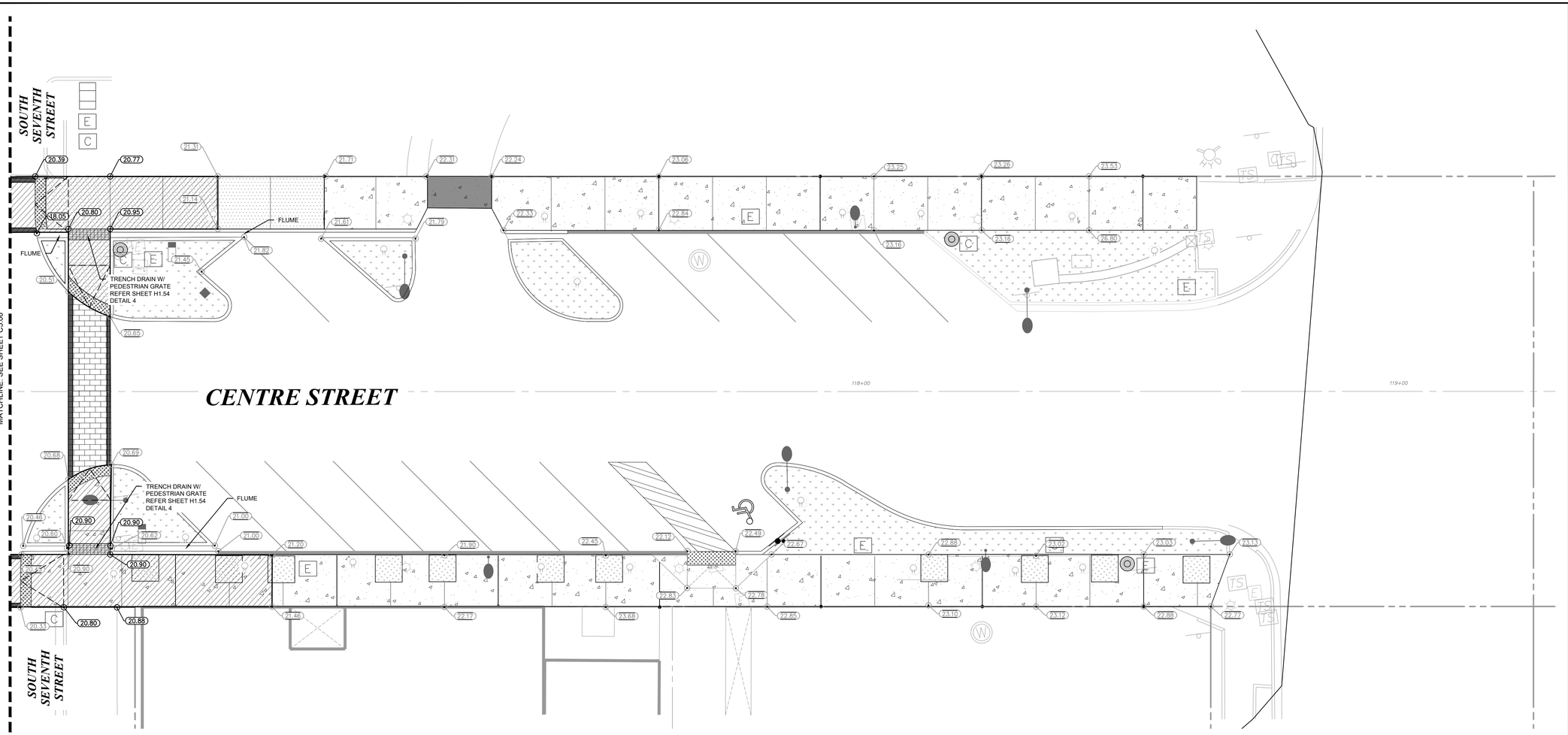
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: CRZ
DRAWN BY: CRZ
CHECKED BY: BSD

GRADING AND DRAINAGE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
C5.06

Plotted By:Zieqmont, Charles Sheet Set:########## Layout:C5.06 January 08, 2025 09:43:34am K:\JAX_LAL\142806005 — FERNANDINA_BEACH_STREETSCAPE\WORKING FILES\CAD\Plan Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND:

EP	EDGE OF PAVMENT
TC	TOP OF CURB
	ADA ROUTE
	PROPOSED YARD DRAIN
	PROPOSED INLET
D	PROPOSED MANHOLE
4	PROPOSED CONTOUR
4	EXISTING CONTOUR
	PROPOSED FLOW DIRECTION
2.75	PROPOSED GRADE
2.75	EXISTING GRADE
	LIMITS OF REGRADING
	RECYCLED BRICK PAVERS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED REINFORCED CONCRETE SIDEWALK

NOTES:

1. FOR PROJECT BENCHMARKS REFER TO SHEET C5.06
2. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
3. SIDEWALKS SHALL NOT EXCEED 1.95% CROSS SLOPE AND 4.95% LONGITUDINAL SLOPE.
5. NO SLOPE SHALL EXCEED 1:20 TO AVOID BEING CONSIDERED A RAMP IN WHICH CONTRACTOR MUST INCLUDE HANDRAILS IN COMPLIANCE WITH 2023 FLORIDA BUILDING CODE SECTION 405.
6. SPOT ELEVATIONS ARE AT EDGE OF CONCRETE UNLESS OTHERWISE NOTED.
7. EXISTING ROADWAY ASPHALT TO BE RESURFACED AND RE-STRIPING DESIGNED BY OTHERS.
8. SIDEWALK LOCATED OUTSIDE OF THE LIMITS OF REGRADING ARE TO MATCH EXISTING GRADES VERIFIED BY THE GENERAL CONTRACTOR.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

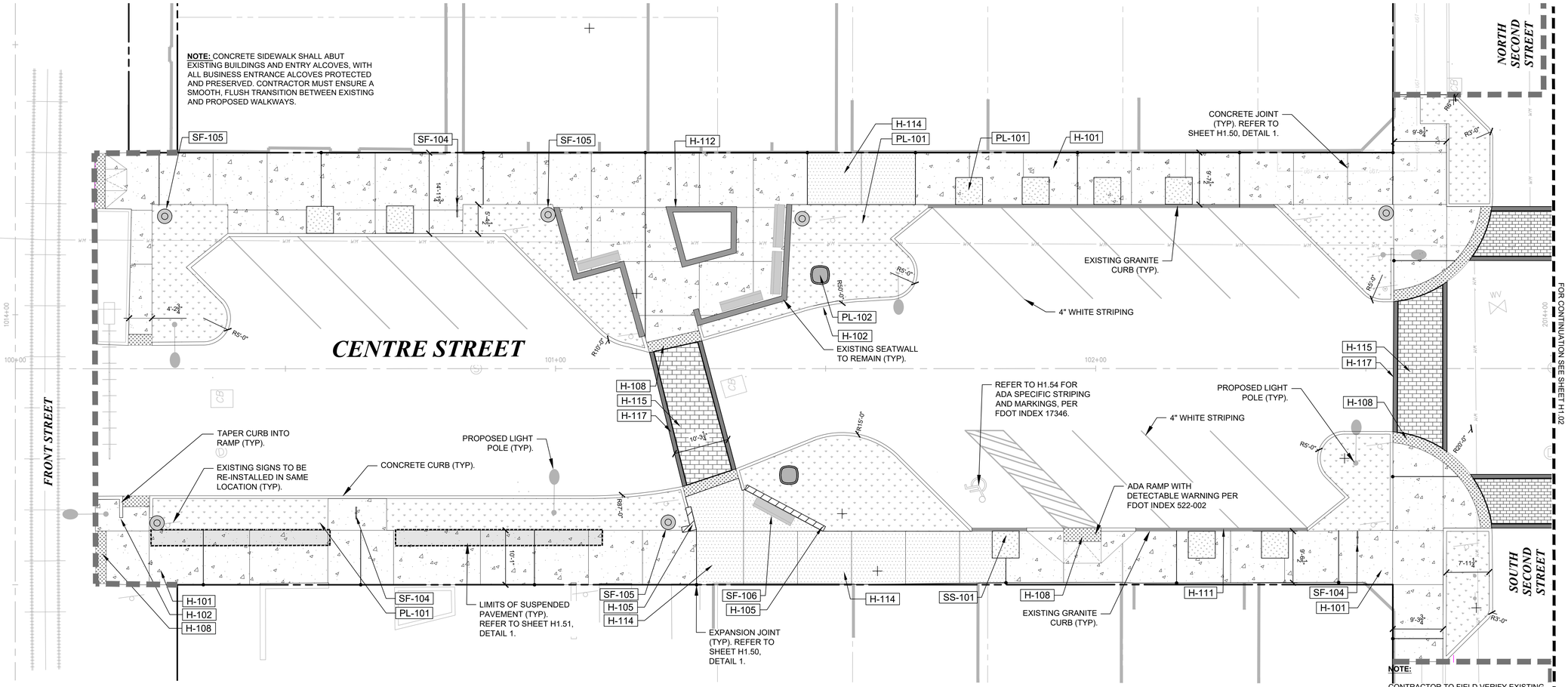
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: CRZ
DRAWN BY: CRZ
CHECKED BY: BSD

GRADING AND DRAINAGE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
C5.07

Plotted By: Ziegmont, Charles Sheet Set: ########## Layout: C5.07 January 08, 2025 09:44:47am K:\JAX_LAP\142806005 - FERNANDINA BEACH STREETSCAPE\WORKING FILES\CADD\Plan Sheets\C5.00 GRADING & DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



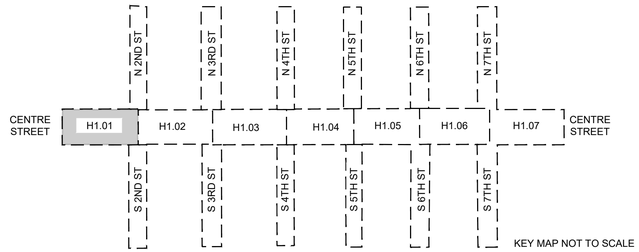
HARDSCAPE SCHEDULE - H1.01

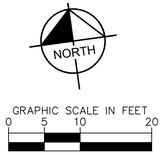
SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,825 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,127 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	49 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	219 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	243 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	228 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	891 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	580 SF	
	H-117	CONCRETE BAND - CROSSWALKS	365 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,474 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	2	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	5	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

LEGEND

- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM — COM — COM — PROPOSED ELECTRIC





NOTE:

CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL
REFER TO CD.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

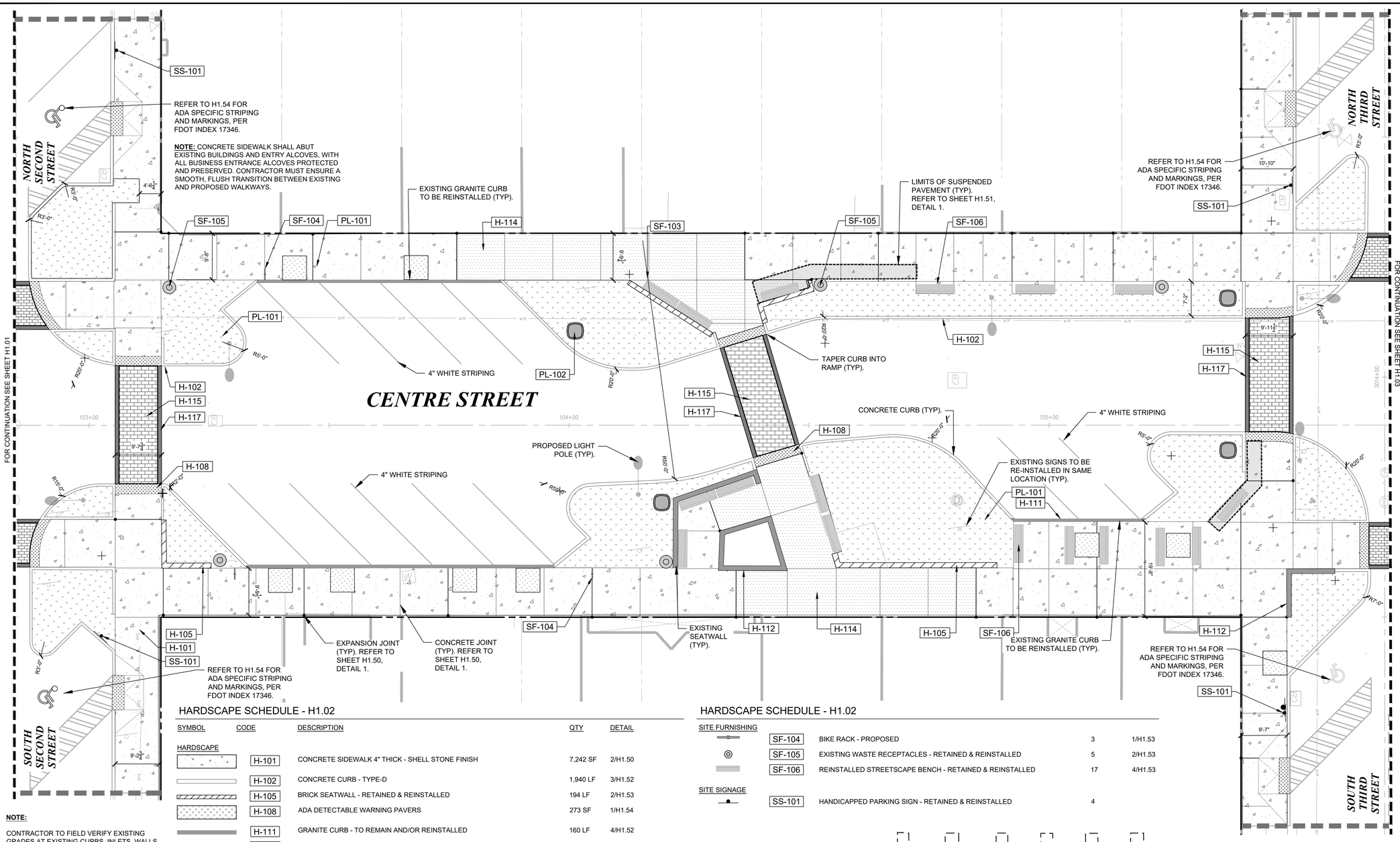
HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.01

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.01 January 08, 2025 10:32:05am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



HARDSCAPE SCHEDULE - H1.02

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	7,242 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,940 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	194 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	273 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	160 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	194 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,698 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	989 SF	
	H-117	CONCRETE BAND - CROSSWALKS	390 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,161 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	

* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

HARDSCAPE SCHEDULE - H1.02

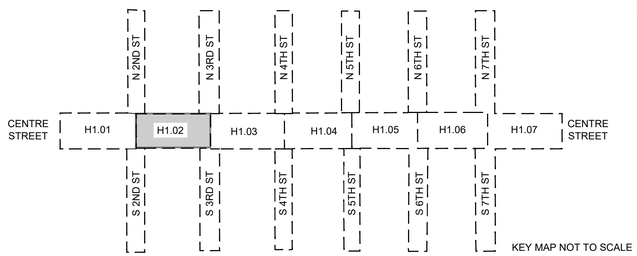
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	17	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	4	

NOTE:

CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

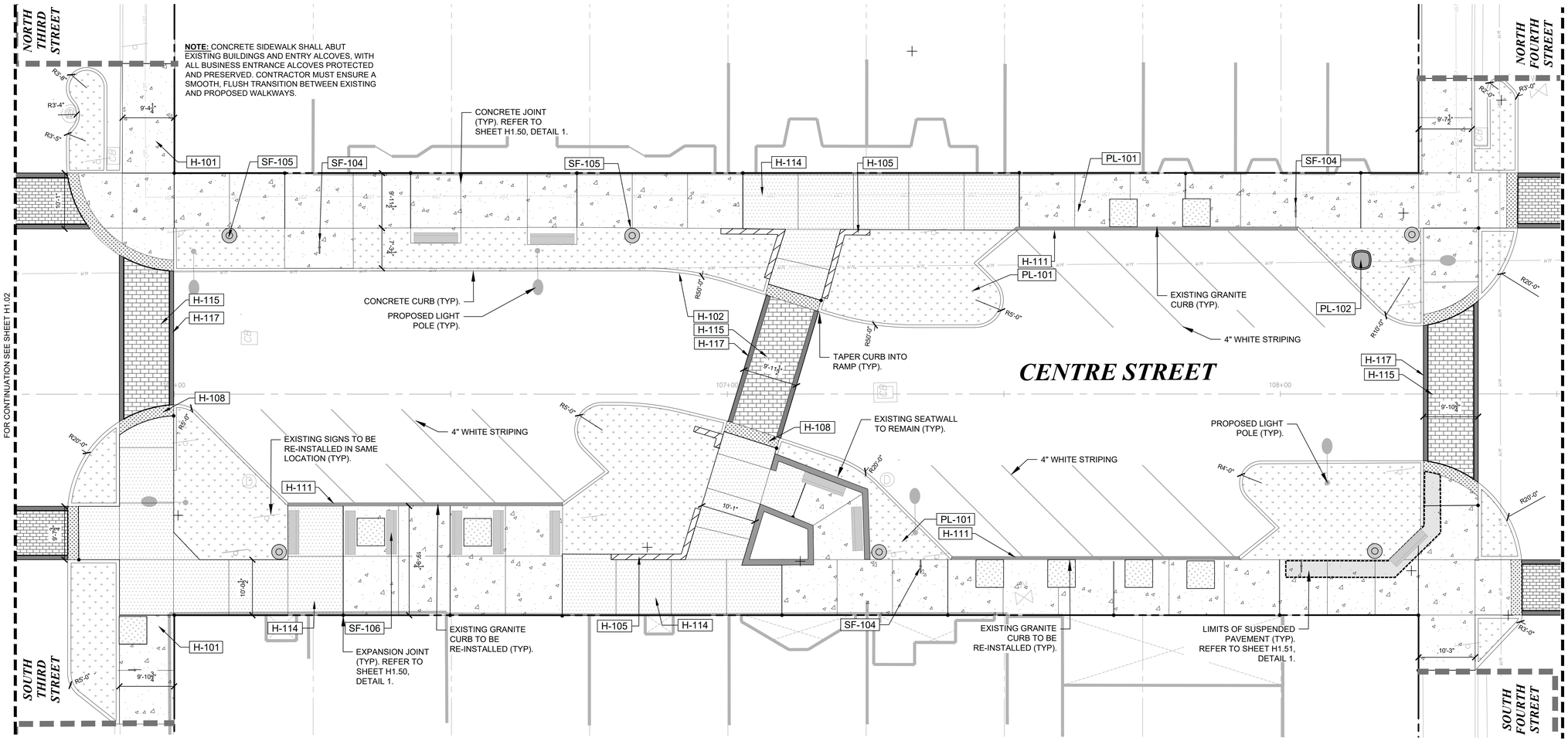
HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.02

Plotted By: Fuchs, Zach Sheet: Sat-FERNANDINA BEACH STREETSCAPE Layout: H1.02 January 08, 2025 10:32:21am K:\JAX_LA\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



HARDSCAPE SCHEDULE - H1.03

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,451 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,520 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	141 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	218 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	310 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	141 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,150 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	759 SF	
	H-117	CONCRETE BAND - CROSSWALKS	493 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,929 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	11	4/H1.53

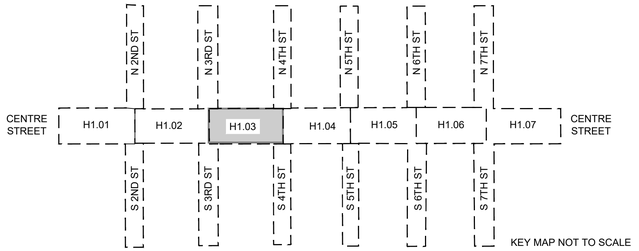
* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

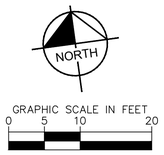
NOTE:

CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.





No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO CD.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

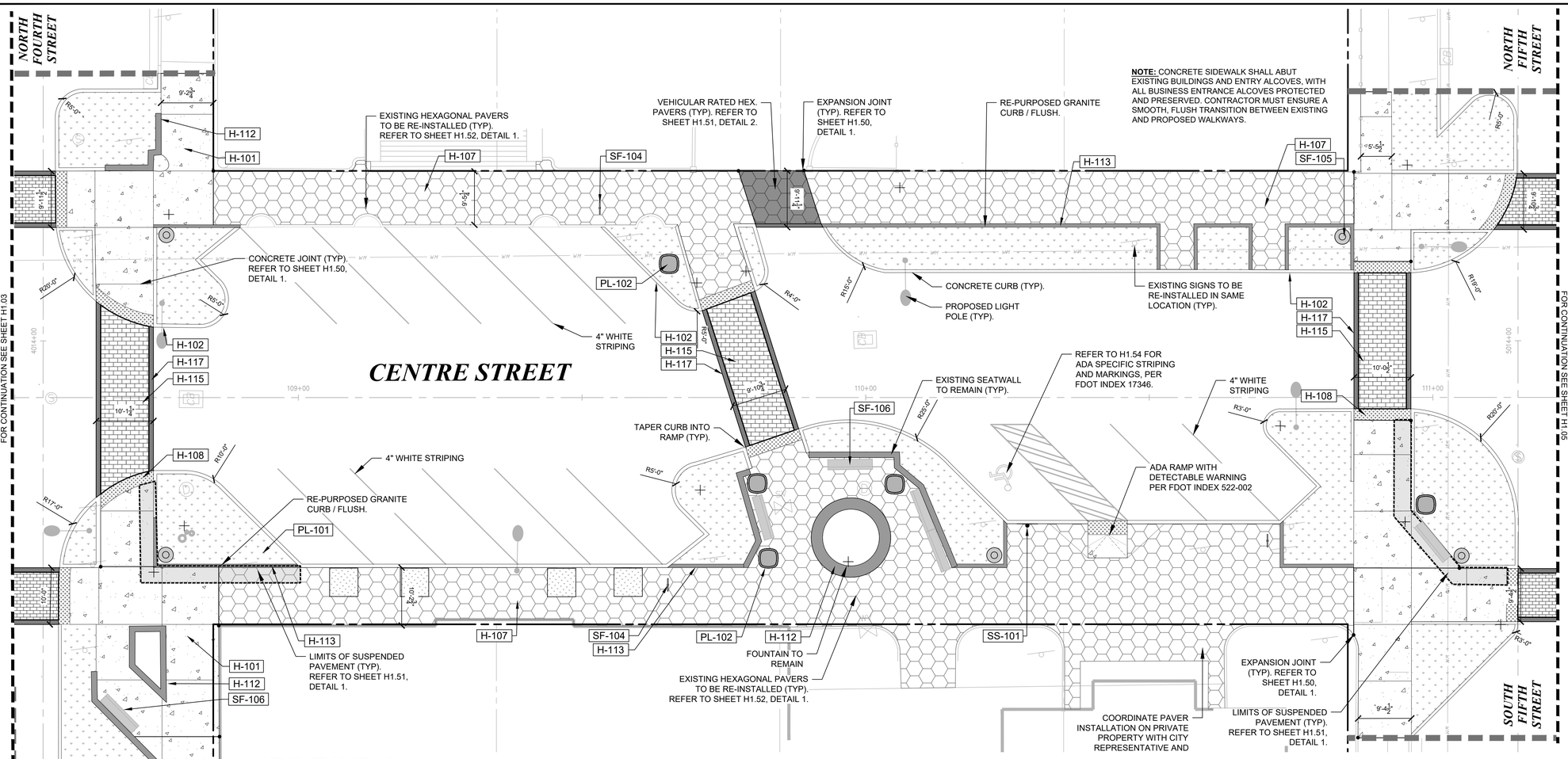
HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.03 January 08, 2025 10:32:34am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



HARDSCAPE SCHEDULE - H1.04

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,892 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,810 LF	3/H1.52
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	222 SF	1/H1.54
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	468 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	448 LF	4/H1.52
	H-115	BRICK CROSS WALK - PROPOSED	885 SF	
	H-117	CONCRETE BAND - CROSSWALKS	410 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	3,080 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	5	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - REINSTALLED & TO REMAIN IN PLACE	7	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

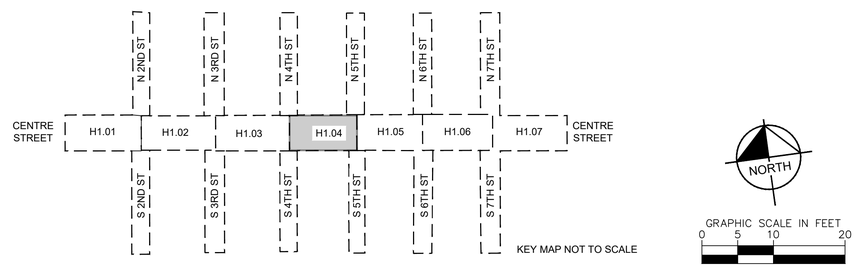
* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

NOTE:

CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE PLAN

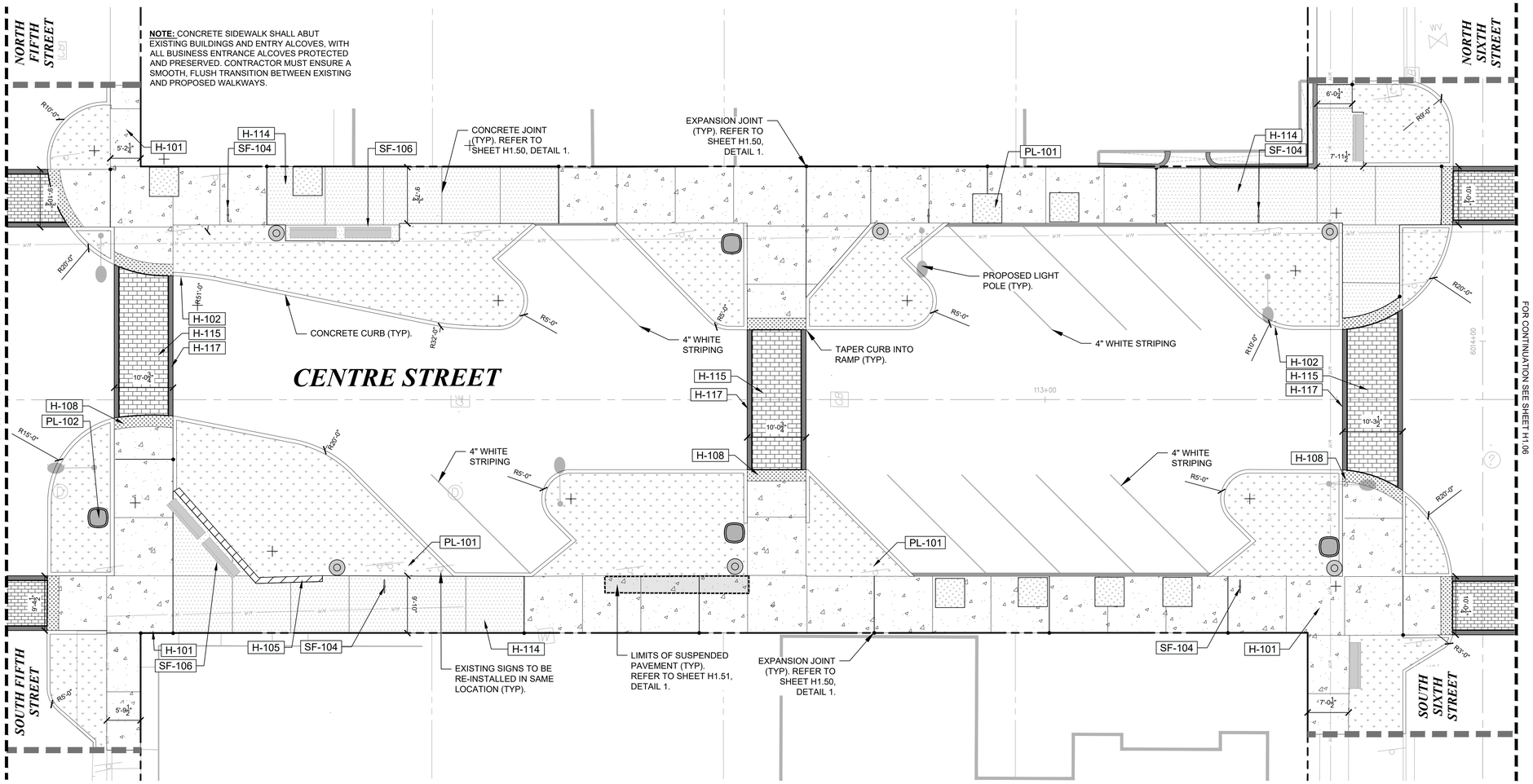
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.04 January 08, 2025 10:32:44am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



HARDSCAPE SCHEDULE - H1.05

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	4,237 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,607 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	66 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	204 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	209 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	99 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,938 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	1,012 SF	
	H-117	CONCRETE BAND - CROSSWALKS	450 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,374 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	6	4/H1.53

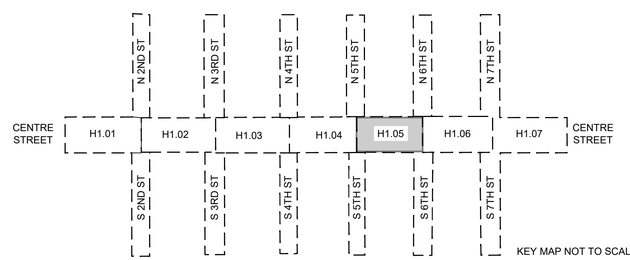
* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

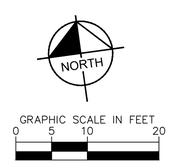
NOTE:

CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.





No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

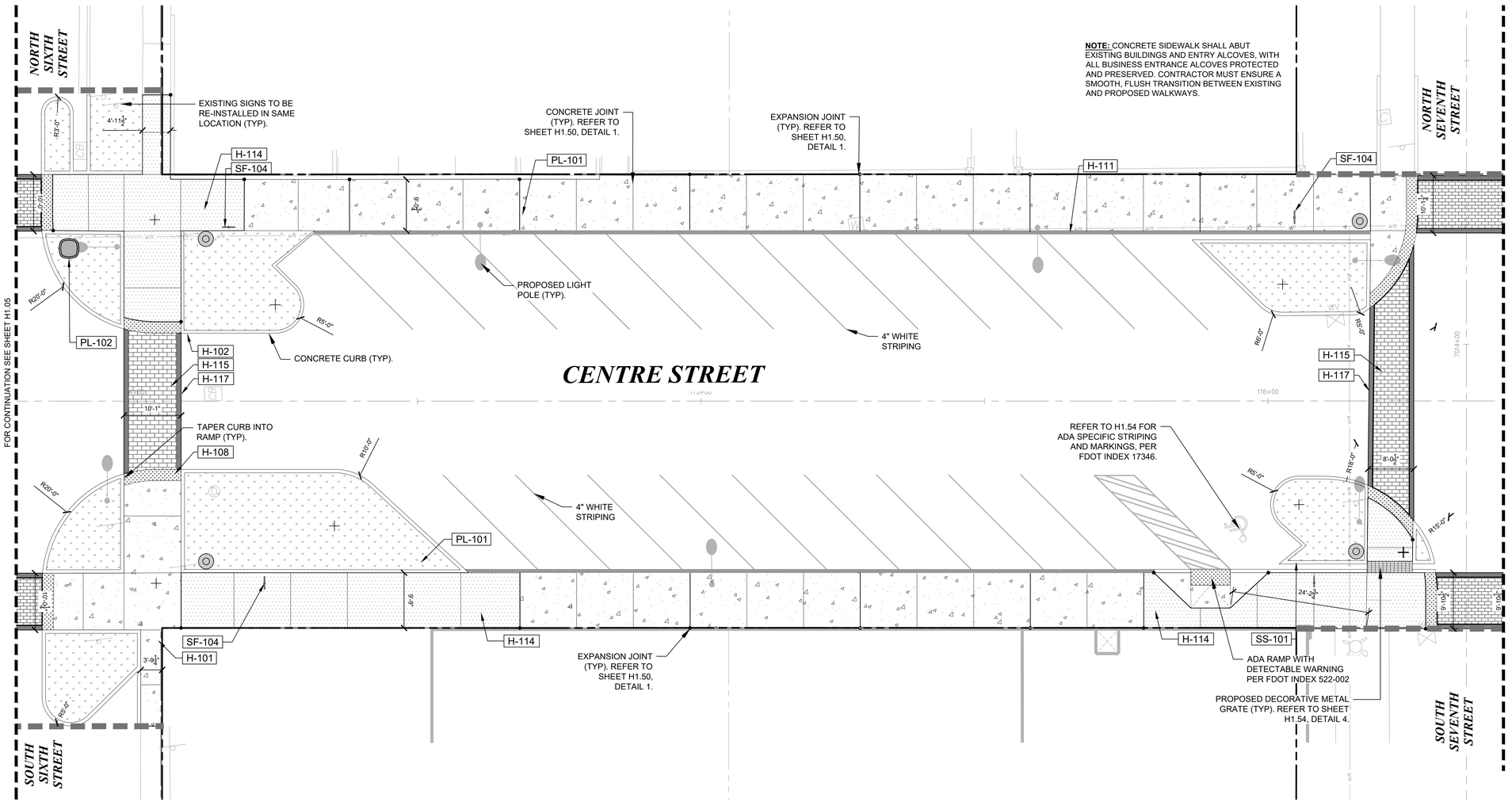
PREPARED FOR CITY OF FERNANDINA BEACH

FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER H1.05

Plotted By: Fuchs, Zach Sheet: Sat-FERNANDINA BEACH STREETSCAPE Layout: H1.05 January 08, 2025 10:32:54am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



HARDSCAPE SCHEDULE - H1.06

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,609 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,138 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	190 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	646 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,623 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	732 SF	
	H-117	CONCRETE BAND - CROSSWALKS	467 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,595 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

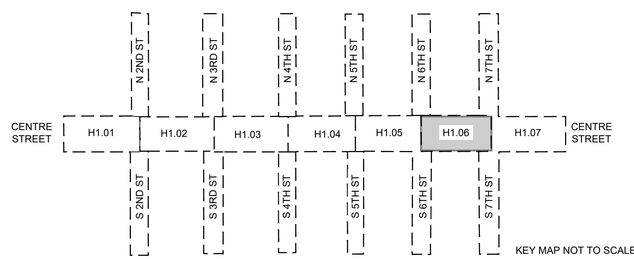
* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

NOTE:

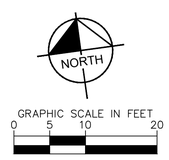
CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA
		DRAWN BY: NL	CHECKED BY: MAJ

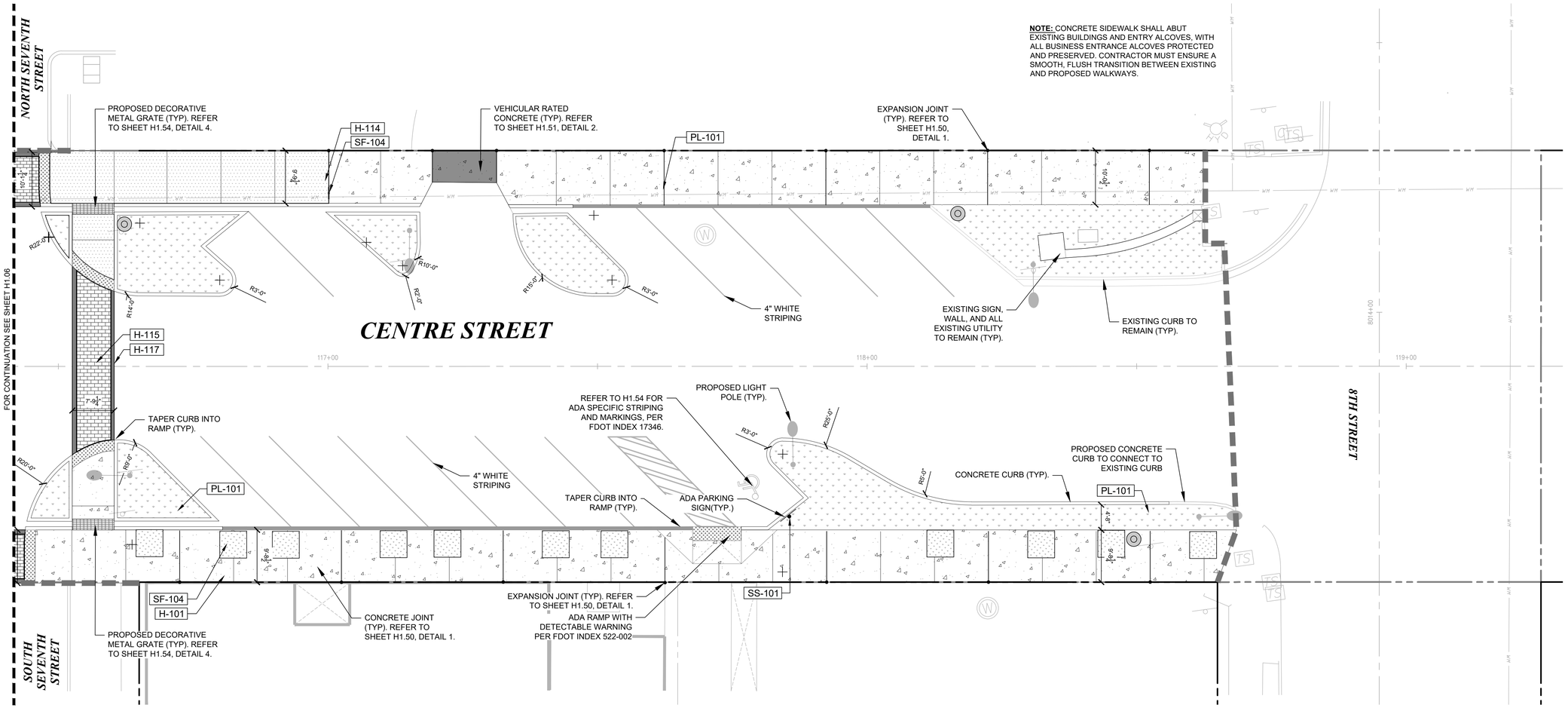
HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.06

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.06 January 08, 2025 10:33:05am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



HARDSCAPE SCHEDULE - H1.07

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,785 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	954 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	121 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	309 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	74 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	619 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	192 SF	
	H-117	CONCRETE BAND - CROSSWALKS	127 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,321 SF	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	2	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

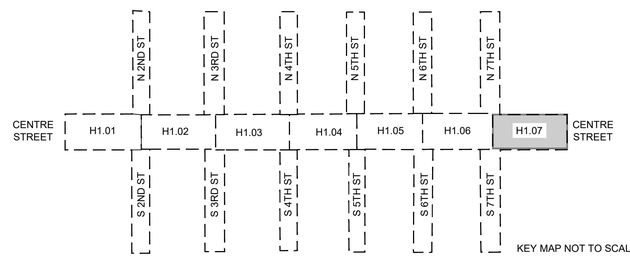
* REFER TO SHEET H1.08 FOR FULL HARDSCAPE SCHEDULE

NOTE:

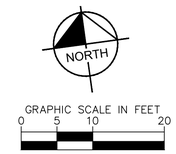
CONTRACTOR TO FIELD VERIFY EXISTING GRADES AT EXISTING CURBS, INLETS, WALLS, ETC. AND NOTIFY LANDSCAPE ARCHITECT OF RECORD OR ENGINEER OF RECORD OF ANY DEVIATIONS FROM DESIGN PLANS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ADD ALTERNATE

PROVIDE ADD ALTERNATE TO MILL AND RESURFACE ALL ASPHALT WITHIN PROJECT LIMITS. INCLUDE ALL REQUIRED TRAFFIC AND PARKING STRIPING AS REQUIRED.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.07 January 08, 2025 10:33:15am K:\JAX_LA\142806005 — fernandina beach streetscape\working files\CAD\xlon sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL HARDSCAPE SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	33,041 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	10,222 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	534 LF	2/H1.53
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	1,448 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	2,129 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	1,329 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	490 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	8,919 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	5,149 SF	
	H-117	CONCRETE BAND - CROSSWALKS	2,702 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	21,284 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	17	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	26	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	36	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	46	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	8	

HARDSCAPE SCHEDULE - H1.01

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,825 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,127 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	49 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	219 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	243 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	228 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	891 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	580 SF	
	H-117	CONCRETE BAND - CROSSWALKS	365 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,474 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	2	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	5	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.02

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	7,242 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,940 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	194 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	273 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	160 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	194 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,698 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	989 SF	
	H-117	CONCRETE BAND - CROSSWALKS	390 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,161 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	3	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	17	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	4	

HARDSCAPE SCHEDULE - H1.03

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	5,451 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,520 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	141 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	218 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	310 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	141 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,150 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	759 SF	
	H-117	CONCRETE BAND - CROSSWALKS	493 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	2,929 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	11	4/H1.53

HARDSCAPE SCHEDULE - H1.04

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	2,892 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,810 LF	3/H1.52
	H-107	HEXAGONAL PAVERS - PEDESTRIAN SIDEWALK; RETAINED & REINSTALLED	5,213 SF	2/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	222 SF	1/H1.54
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	468 LF	
	H-113	GRANITE FLUSH CURB - RETAINED & REINSTALLED	448 LF	4/H1.52
	H-115	BRICK CROSS WALK - PROPOSED	885 SF	
	H-117	CONCRETE BAND - CROSSWALKS	410 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	3,080 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	5	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	5	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - REINSTALLED & TO REMAIN IN PLACE	7	4/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.05

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	4,237 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,607 LF	3/H1.52
	H-105	BRICK SEATWALL - RETAINED & REINSTALLED	66 LF	2/H1.53
	H-108	ADA DETECTABLE WARNING PAVERS	204 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	209 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	99 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,938 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	1,012 SF	
	H-117	CONCRETE BAND - CROSSWALKS	450 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	4,374 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	4	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	5	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	6	2/H1.53
	SF-106	REINSTALLED STREETSCAPE BENCH - RETAINED & REINSTALLED	6	4/H1.53

HARDSCAPE SCHEDULE - H1.06

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,609 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	1,138 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	190 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	646 LF	4/H1.52
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	1,623 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	732 SF	
	H-117	CONCRETE BAND - CROSSWALKS	467 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,595 SF	
	PL-102	EXISTING PLANTER POTS - RETAINED & REINSTALLED	1	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	4	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

HARDSCAPE SCHEDULE - H1.07

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
HARDSCAPE				
	H-101	CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	3,785 SF	2/H1.50
	H-102	CONCRETE CURB - TYPE-D	954 LF	3/H1.52
	H-108	ADA DETECTABLE WARNING PAVERS	121 SF	1/H1.54
	H-111	GRANITE CURB - TO REMAIN AND/OR REINSTALLED	309 LF	4/H1.52
	H-112	EXISTING BRICK SEATWALL - TO REMAIN	74 LF	
	H-114	REINFORCED CONCRETE SIDEWALK 4" THICK - SHELL STONE FINISH	619 SF	5/H1.50
	H-115	BRICK CROSS WALK - PROPOSED	192 SF	
	H-117	CONCRETE BAND - CROSSWALKS	127 LF	7/H1.50
PLANTER				
	PL-101	LANDSCAPE BED - SEE PLANTING PLAN, L1.00.	1,321 SF	
SITE FURNISHING				
	SF-104	BIKE RACK - PROPOSED	2	1/H1.53
	SF-105	EXISTING WASTE RECEPTACLES - RETAINED & REINSTALLED	4	2/H1.53
SITE SIGNAGE				
	SS-101	HANDICAPPED PARKING SIGN - RETAINED & REINSTALLED	1	

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

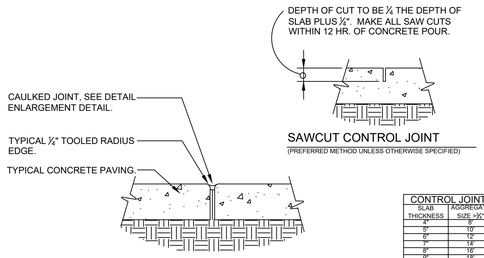
HARDSCAPE PLAN SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.08 January 08, 2025 10:33:47am K:\JAX_LAP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

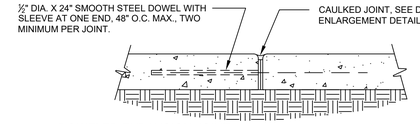


CAULKED EXPANSION JOINT

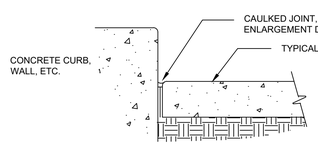
SAWCUT CONTROL JOINT

(PREFERRED METHOD UNLESS OTHERWISE SPECIFIED)

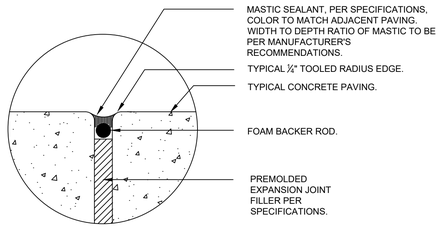
CONTROL JOINT SPACING		
SLAB THICKNESS	AGGREGATE SIZE >¾"	AGGREGATE SIZE <¾"
4"	8'	10'
5"	10'	13'
6"	12'	15'
7"	14'	18'
8"	16'	20'
9"	18'	23'
10"	20'	25'



DOWELED EXPANSION JOINT



CONCRETE PAVING AT VERTICLE PLANE

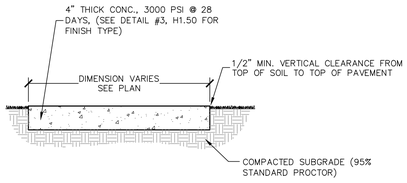


ENLARGED TYPICAL CAULKED JOINT

1 TYPICAL CONCRETE JOINT DETAILS

NTS: SCALE

JAX-FE-14



CEMENT: ASTM C150/C150M, TYPE I - NORMAL PORTLAND TYPE, AQUIRE CEMENT FOR ENTIRE PROJECT FROM SAME SOURCE.

SAND: LOCALLY AVAILABLE SAND

AGGREGATE: COQUINA MAX. ¾", AQCUIRE AGGREGATE FOR ENTIRE PROJECT FROM SAME SOURCE.

CURING COMPOUND: INTENT IS FOR TEXTURE TO MATCH CONCRETE SIDEWALK AT WATERFRONT PARK. ADD MIXTURES:

- HIGH RANGE WATER REDUCING AND RETARING ADMIXTURE: ASTM C494.C494M TYPE G.
- HIGH RANGE WATER REDUCING ADMIXTURE: ASTM C494/C494M TYPE F.
- DO NOT USE CHEMICAL THAT WILL RESULT IN SOLUBLE CHLORIDE IONS IN EXCESS OF 0.1 PERCENT BY WEIGHT OF CEMENT.

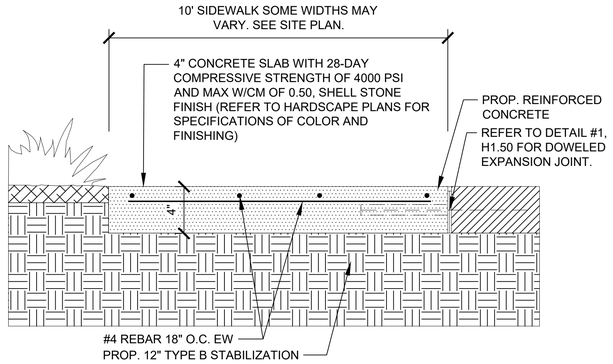
1. A PRE JOB CONFERENCE IS RECOMMENDED BETWEEN OWNER, ENGINEER, LANDSCAPE ARCHITECT, READY-MIX REPRESENTATIVE, AND INSTALLER TO DISCUSS PROJECT APPLICATION AND REVIEW SUBMITTALS.
2. ALL CONCRETE MUST BE BATCHED FROM THE SAME LOCATION.
3. A 10'X10' MOCKUP MUST BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE, SHOWING SHELL STONE (OR ALTERNATIVE) FINISH TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. MOCKUP LOCATION TO BE OFF-SITE AT A LOCATION MUTUALLY AGREED-UPON BY THE CONTRACTOR AND OWNER.
4. PRECAUTIONS MUST BE TAKEN IN HOT WEATHER TO PREVENT PLASTIC CRACKING RESULTING FROM EXCESSIVELY RAPID DRYING AT SURFACE AS DESCRIBED IN CIP 5"PLASTIC SHRINKAGE CRACKING" PUBLISHED BY THE NATIONAL READY MIXED CONCRETE ASSOCIATION.

FINISH:
A. SHELL STONE FINISH

2 CONCRETE SIDEWALK FINISHES

NTS

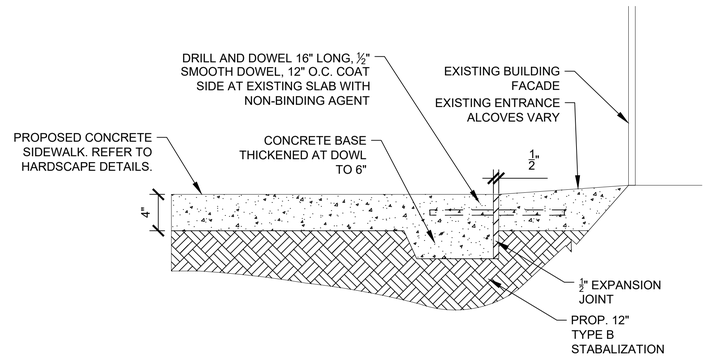
JAX-FE-FBH-15



3 DECORATIVE CONCRETE TREATMENT

6" = 1'-0"

JAX-FE-FBH-34



PRODUCT: SCOFIELD INTEGRAL COLOR SG
MANUFACTURER: SIKA

237 SAND BUFF
237 CORONADO BUFF
447 PRAIRIE BEIGE
447 SCHOONER BEIGE
FINISH: SHELL STONE
SEE HARDSCAPE PLANS FOR SPECIFIC PLACEMENT

CONTRACTOR TO COORDINATE WITH THE PROJECT LANDSCAPE ARCHITECT AND CITY OF FERNANDINA BEACH REPRESENTATIVE FOR FINAL COLOR SELECTION. PROVIDE 6'X6' MOCKUP FOR EACH COLOR OPTION WITH SHELLSTONE TEXTURED FINISH.

4 CENTRE STREET SIDEWALK INTEGRAL COLOR OPTIONS

1" = 10'

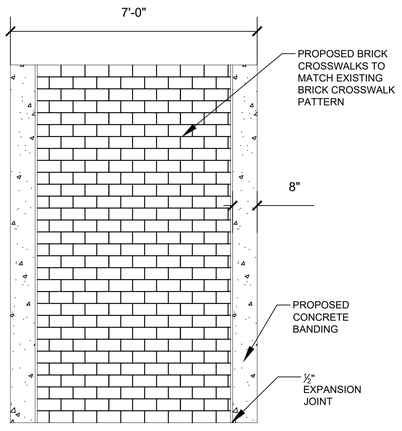
JAX-FE-FBH-41

CONCRETE BAND - STRUCTURAL EDGE:

1. STRENGTH: MINIMUM 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. MIX DESIGN: CONCRETE MIX
3. COLOR: AS SPECIFIED IN DETAIL #4, H1.50
4. EXPANSION JOINT MATERIAL: PRE-MOLDED EXPANSION JOINT FILLER, ½" THICK SUITABLE FOR OUTDOOR USE
5. BONDING AGENT: CONCRETE BONDING ADHESIVE FOR BONDING NEW CONCRETE TO ADJACENT SURFACES AS NECESSARY.
6. CONCRETE BANDING SHALL BE POURED INTO THE FRAMEWORK, ON BOTH SIDES OF PEDESTRIAN BRICK CROSSWALK.

NOTE:

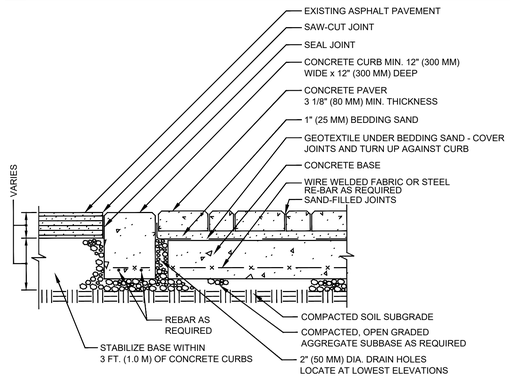
1. EXISTING BRICK CROSSWALKS TO MAINTAIN ITS ORIGINAL PATTERN
2. EXCESS BRICKS REMOVED FOR CONCRETE BANDING SHALL BE RE-PURPOSED FOR PROPOSED BRICK CROSSWALKS.



5 REINFORCED CONCRETE SIDEWALK

1 1/2" = 1'-0"

JAX-FE-FBH-37



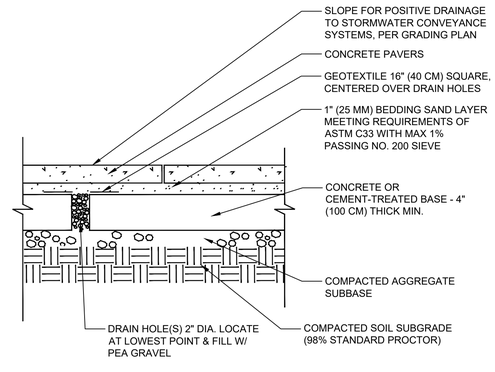
NOTE:

1. BASE THICKNESS AND REINFORCING VARIES WITH TRAFFIC, CLIMATE AND SUBGRADE CONDITIONS.
2. CONCRETE BASE MINIMUM 2% SLOPE FROM CENTERLINE TO CURB.
3. DO NOT PROVIDE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2 FT. (0.6 M) FROM TOP OF SOIL SUBGRADE. PROVIDE DRAIN HOLES TO CATCH BASINS.

6 CONCRETE SIDEWALK ADJACENT TO EXISTING BUILDING ENTRANCE

1 1/2" = 1'-0"

JAX-FE-FBH-40



NOTES:

1. AGGREGATE SUBBASE AND SUBGRADE SOIL MAY REQUIRE DRAINS. DRAINAGE MAY BE ACHIEVED BY EITHER CONTINUOUS 2" WIDE SLOT OR 2" DIA. VOIDS AT 10" O.C./ FILLED WITH PEA GRAVEL AND COVERED WITH GEOTEXTILE.
2. COVER ENTIRE SURFACE OF CEMENT-TREATED BASE WITH GEOTEXTILE TO PREVENT LOSS OF BEDDING SAND IN SHRINKAGE CRACKS.

CONCRETE PAVERS:

STYLE 'A' - 4'X8' BELGARD HOLLAND ANTIQUE RED ADA PAVERS WITH TRUNCATED DOME. PAVERS TO BE LAID IN A RUNNING BOND PATTERN TO MATCH CROSSWALKS.

STYLE 'B' - 18" HEXAGONAL PAVERS SELECTED TO MATCH EXISTING HEXAGONAL PAVERS AS CLOSELY AS POSSIBLE. REFER TO SHEET H1.52, DETAIL 1 FOR PAVER LAYOUT.

NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS AND COLOR SAMPLES FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO CONSTRUCTION AS WELL AS SIEVE ANALYSIS FOR JOINT AND BEDDING SAND.

ALL JOINTS SAND-SWEPT USING POLYMERIC SAND COMPOUND AND WATERED IN PER MANUFACTURER'S SPECIFICATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR SUBGRADE PERORATION PER MANUFACTURER'S SPECIFICATIONS - INSTALL PER ICPI AND MANUFACTURER'S SPECIFICATIONS.

PRIMARY USE IS: CIVILIAN FOOT TRAFFIC

7 CONCRETE BANDING - CROSSWALK

1/2" = 1'-0"

JAX-FE-FBH-44

8 CROSSWALK ON CONCRETE BASE WITH SAND SETTING BED

NTS

DETAIL-FILE

9 CONCRETE PAVERS ON A CONCRETE BASE

NTS

JAX-FE-02

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FL 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.50

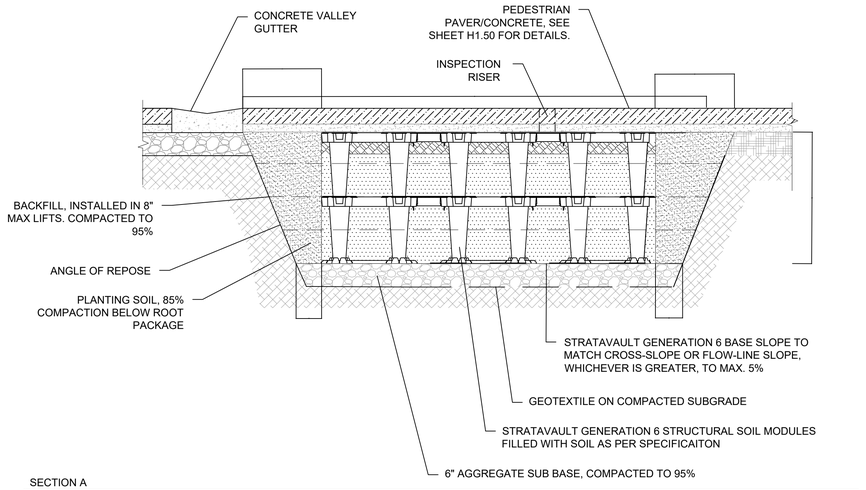
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.50 January 08, 2025 10:33:55am K:\JAX_LA\LP\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

CITY GREEN

1. MANUFACTURER:
CITYGREEN
888-999-3990

2. MODEL:
STRATAVAULT

3. PRODUCT TO BE DESIGNED BY MANUFACTURER. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

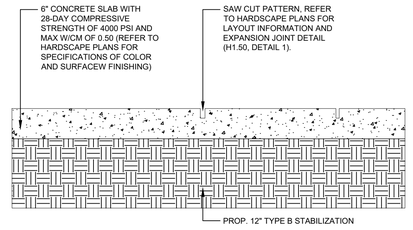


SECTION A
NOT TO SCALE

1 SUSPENDED PAVEMENT

NTS

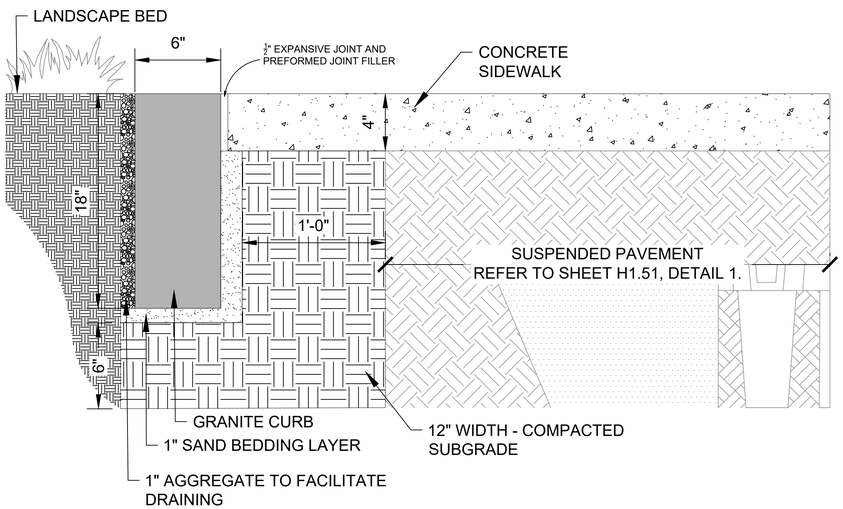
JAX-FE-FBH-48



2 VEHICULAR CONCRETE SECTION

1 1/2" = 1'-0"

JAX-FE-FBH-47



GRANITE CURB INTERFACING SUSPENDED PAVEMENT

- SUBRADE AND BEDDING MATERIAL AROUND SUSPENDED PAVEMENT IS TO BE COMPACTED BUT NOT OVER COMPACTED TO AVOID SOIL COMPACTION WITHIN THE CELLS.
- GRANITE CURB ABUTTING SUSPENDED PAVEMENT SHOULD BE FLUSHED AND DESIGNED TO ACCOUNT FOR OVERFLOWS AND DIRECT WATER TOWARDS DESIRED CATCHMENTS ZONES WITHOUT UNDERMINING SILVA CELLS/ SUSPENDED PAVEMENT.
- WHERE GRANITE CURB MEETS SUSPENDED PAVEMENTS, ANY JOINTS OR TRANSITIONS MUST BE SEALED TO PREVENT SOIL OR DEBRIS INFILTRATIONS.
- INSTALL SUSPENDED PAVEMENT FIRST TO PROTECTED ITS STRUCTURAL INTEGRITY AND ENSURE PROPER SOIL FILLING.
- GRANITE CURB TO HAVE A COMPACTED SUBGRADE AT LEAST 6-12 INCHES WIDER THAN THE CURB BASE ON BOTH SIDES TO PREVENT SETTLING.
- COMPACTED SUBGRADE DEPTH OF 6-8 INCHES.
- A GRANULAR BASE TO BE SELECTED FOR THE STRUCTURAL STABILITY OF THE GRANITE CURB.
- BEDDING LAYER TO BE A 1 INCH THICK LEVELING COURSE OF SAND OVER COMPACTED SUBGRADE FOR PRECISE PLACEMENT.
- COMPACT THE SUBGRADE AND GRANULAR BASE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY (ASTM D698)

3 GRANITE FLUSH CURB INTERFACING SUSPENDED PAVEMENT

2" = 1'-0"

JAX-FE-FBH-49

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

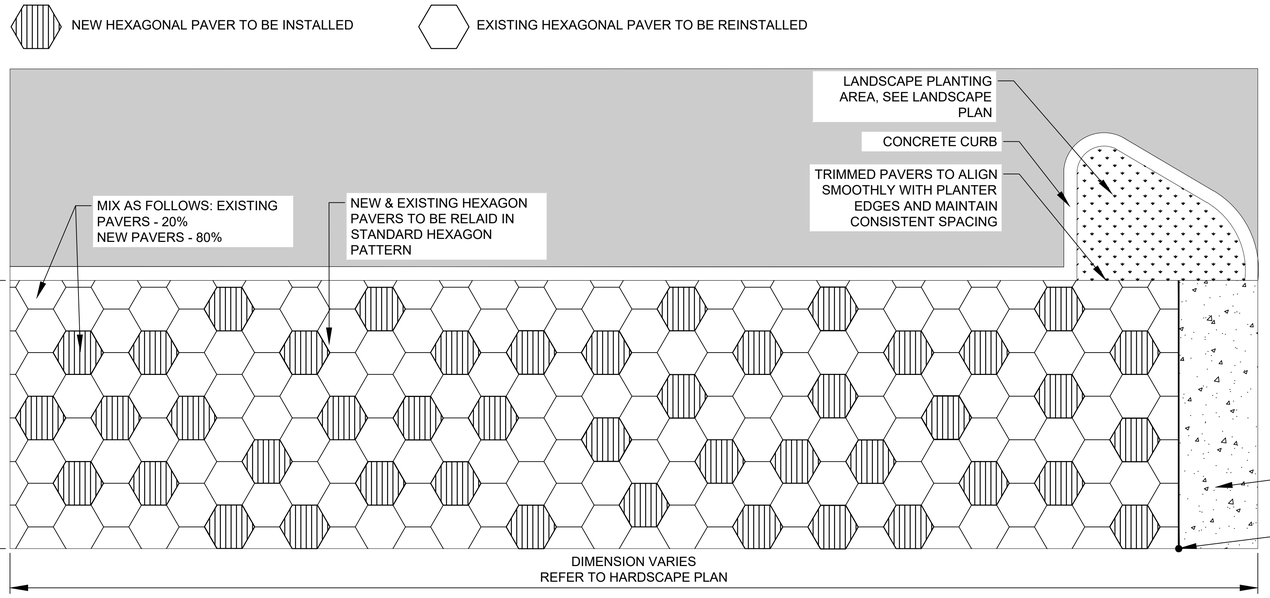
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.51 January 08, 2025 10:34:00am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\color sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTE:

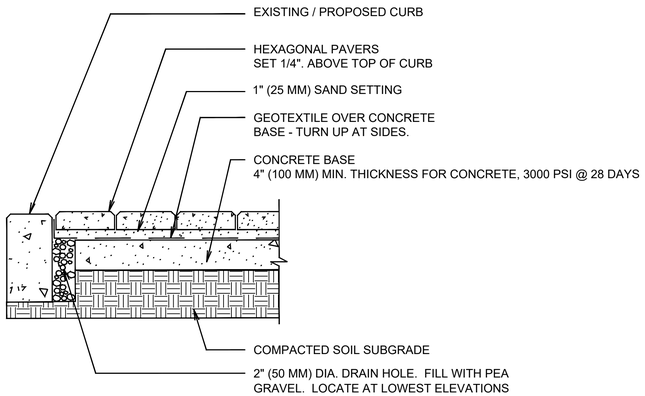
1. FLAT AND SMOOTH INSTALLATION (ADA COMPLIANCE):
- ENSURE ALL PAVERS ARE LAID FLAT AND LEVEL TO CREATE A SMOOTH, CONTINUOUS SURFACE.
- MINIMIZE VERTICAL DISPLACEMENT BETWEEN ADJACENT PAVERS TO NO MORE THAN 1/4 INCH AS PER ADA REQUIREMENTS.
- VERIFY THAT JOINT WIDTHS AND SAND-FILLED JOINTS DO NOT CREATE UNEVEN SURFACES OR TRIPPING HAZARDS.
- CONDUCT PERIODIC SURFACE CHECKS DURING INSTALLATION USING A STRAIGHTEDGE OR LEVEL TO CONFIRM COMPLIANCE WITH ADA SLOPE AND FLATNESS STANDARDS.
- ADDRESS ANY IRREGULARITIES IMMEDIATELY TO MAINTAIN A SAFE, ACCESSIBLE, AND COMPLIANT WALKING SURFACE.
- THIS NOTE EMPHASIZES PRECISION TO MEET ADA STANDARDS WHILE GUIDING THE INSTALLATION TEAM.
- CONTRACTOR TO MIX EXISTING AND NEW PAVERS RANDOMLY AS SHOWN

HEXAGONAL PAVER QUANTITY TO BE REMOVED & RE-USED
EXISTING HEXAGONAL PAVERS (OLD): 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE REMOVED: 1,705 SF
EXISTING HEXAGONAL PAVERS TO BE RE-USED: 1,705 SF
HEXAGONAL PAVERS (NEW PAVERS): 2,342 SF
4" CONCRETE BASE FOR HEXAGONAL PAVERS: 4,047 SF

1 HEX PAVER PATTERN ENLARGEMENT

3/8" = 1'-0"

JAX-FE-FBH-26

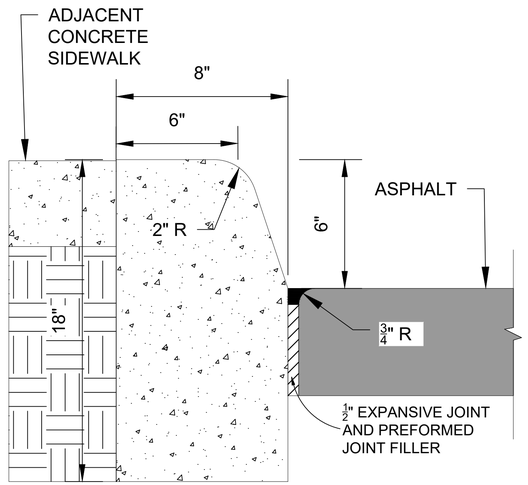


NOTES:
1. THICKNESS REQUIREMENTS WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE. COLDER CLIMATES MAY REQUIRE THICKER BASES.
2. CONSULT ICPI TECH SPEC 2 FOR GUIDELINES ON SPECIFICATIONS FOR BASE MATERIALS, SUBGRADE SOIL AND BASE COMPACTION.

2 HEXAGONAL PAVER ON SIDEWALK

1/16" = 1'-0"

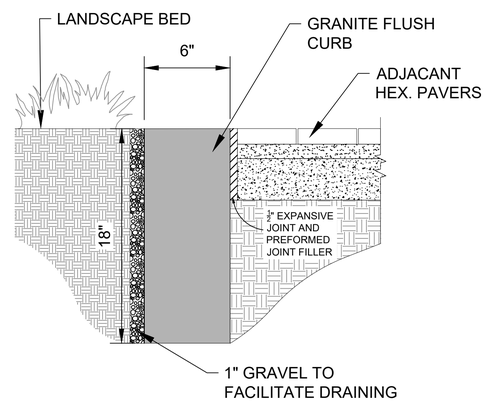
JAX-FE-FBH-35



3 CONCRETE CURB - TYPE 'D'

3" = 1'-0"

JAX-FE-FBH-39



4 GRANITE FLUSH CURB - RELOCATED & REINSTALLED

2" = 1'-0"

JAX-FE-FBH-42

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

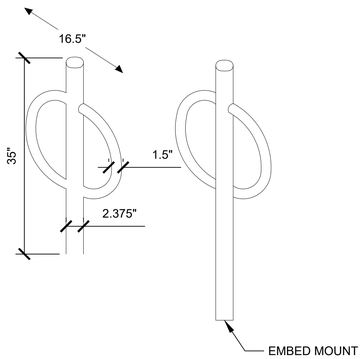
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

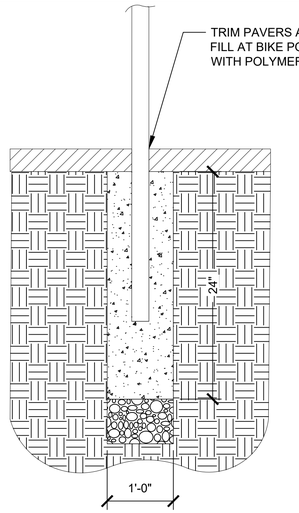
HARDSCAPE DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
H1.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.52 January 08, 2025 10:34:05am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





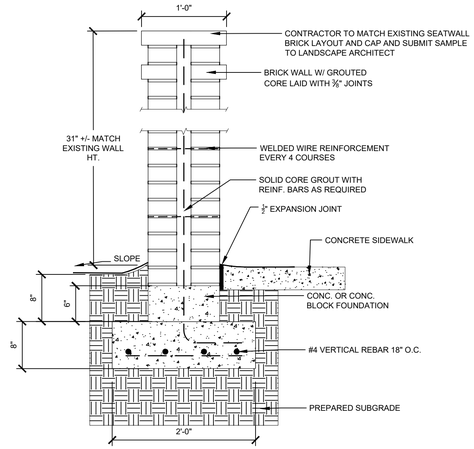
BIKE RACK - CITY OF FERNANDINA BEACH

1. MANUFACTURER: BELSON OUTDOORS
2. MODEL: PAR-2-IG-P GC-238 , STANDARD BOLLARD BIKE RACK WITH OPTIONAL GROUT COVER
3. FINISH: BLACK POWDER-COAT
4. INSTALL OWNER FURNISHED BIKE RACK PER MANUFACTURER'S SPECIFICATIONS, IN GROUND MOUNT
5. BIKE RACKS (NEW) QUANTITY: 20 BIKE RACKS.
6. RE-INSTALL BIKE RACKS EXISTING QUANTITY: 4 BIKE RACKS.

1 BIKE RACK

NTS

JAX-FE-36



2 BRICK SEAT WALL - RELOCATED & REINSTALLED

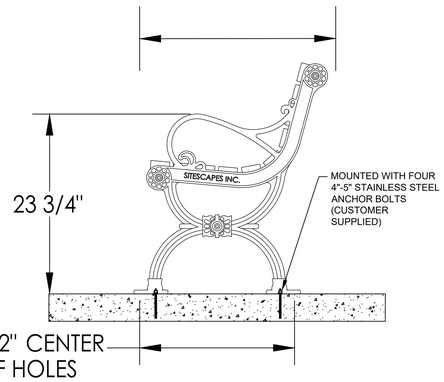
1" = 1"

JAX-FE-FBH-20

SITESCAPES SPECIFICATION: ARLINGTON DECORATIVE CAST END SEATING

(1.1) DESCRIPTION:
SECTIONS INCLUDES INFORMATION, MATERIALS, AND OPTIONS FOR PRODUCTS MANUFACTURES BY STIESCAPES, INC. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS

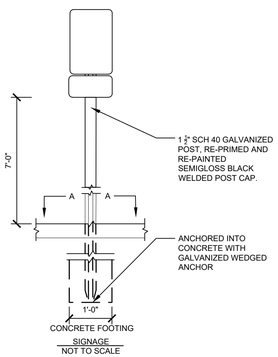
(3.2) INSTALLATION:
BENCHES MAY BE SURFACE MOUNTED USING THE HOLES THAT ARE PREDRILLED IN EACH OF THE FOOTPLATES. BENCHES ARE TO BE MOUNTED WITH FOUR Ø1/2" X 4-5" STAINLESS STEEL ANCHOR BOLTS, WHICH ARE CUSTOMER SUPPLIED. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL PRODUCT IS IN PLACE. THIS SITESCAPES, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.



3 EXISTING BENCH INSTALLATION

1/4" = 1'-0"

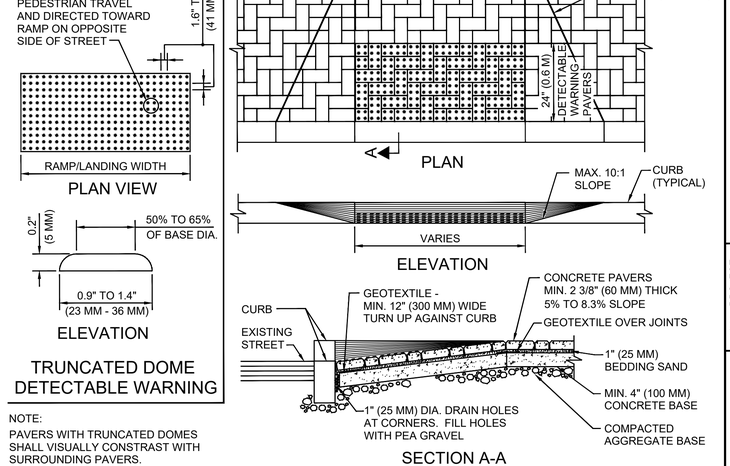
JAX-FE-38



5 SIGN REINSTALLATION

1" = 1'-0"

JAX-FE-24



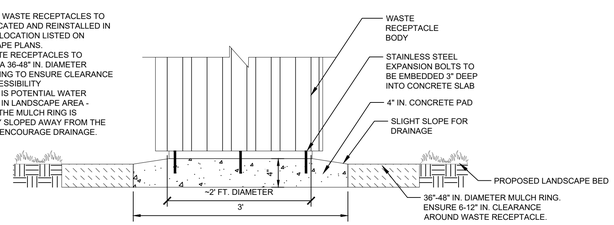
6 CONCRETE CURB RAMP - DETECTABLE WARNING PAVERS

1 1/2" = 1'-0"

JAX-FE-FBH-46

NOTES:

1. EXISTING WASTE RECEPTACLES TO BE RELOCATED AND REINSTALLED IN CHOSEN LOCATION LISTED ON HARDSCAPE PLANS.
2. ALL WASTE RECEPTACLES TO INCLUDE A 36-48" IN. DIAMETER MULCH RING TO ENSURE CLEARANCE FOR ACCESSIBILITY
3. IF THERE IS POTENTIAL WATER POOLING IN LANDSCAPE AREA - ENSURE THE MULCH RING IS SLIGHTLY SLOPED AWAY FROM THE BASE TO ENCOURAGE DRAINAGE.



4 WASTE RECEPTACLE REINSTALLATION

1" = 1'-0"

JAX-FE-FBH-23

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

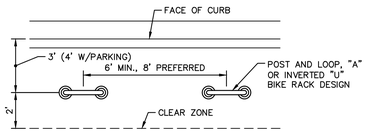
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

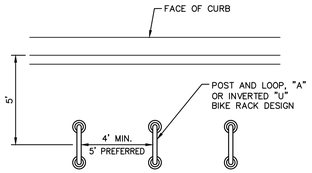
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
H1.53

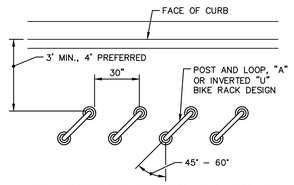
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: H1.53 January 08, 2025 10:34:10am K:\JAX_LALP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



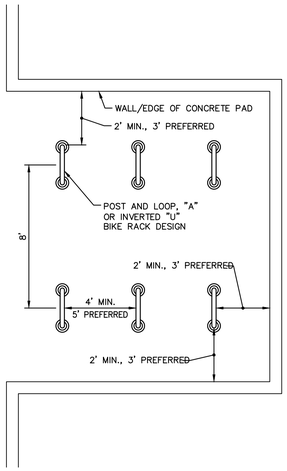
BIKE RACK SPACING - PARALLEL TO CURB



BIKE RACK SPACING - PERPENDICULAR TO CURB



BIKE RACK SPACING - ANGULAR TO CURB

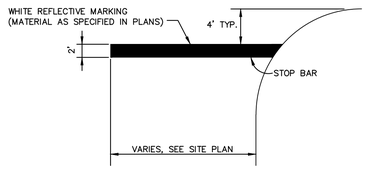


BIKE RACK SPACING - ADJACENT TO WALL

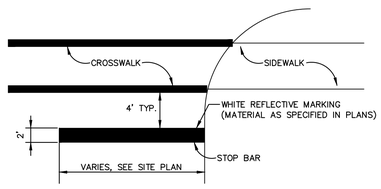
1 BIKE RACK SPACING

NTS

JAX-FE-FBH-50



WITHOUT CROSSWALK

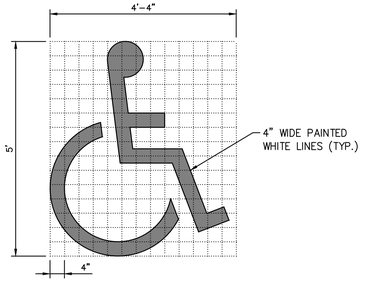


WITH CROSSWALK

3 STOP BAR

NTS

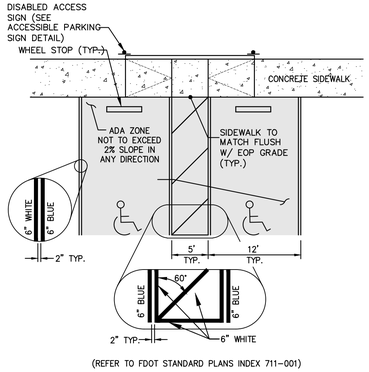
DETAIL-FILE



5 HANDICAPPED PARKING SYMBOL

NTS

DETAIL-FILE



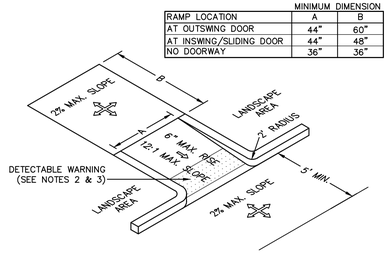
(REFER TO FDOT STANDARD PLANS INDEX 711-001)

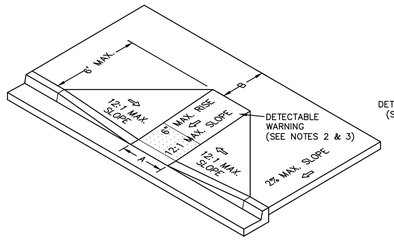
6 ADA PARKING

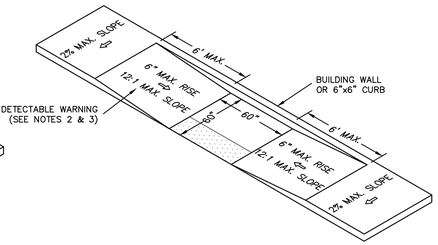
NTS

DETAIL-FILE

RAMP LOCATION	MINIMUM DIMENSION A	MINIMUM DIMENSION B
AT OUTSWING DOOR	44"	60"
AT INSWING/SLIDING DOOR	44"	48"
NO DOORWAY	36"	36"







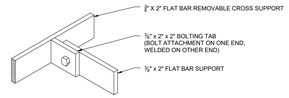
NOTES:

1. ALL CURB CUT ACCESSIBLE RAMPS AND DETECTABLE WARNING SURFACES SHALL BE INSTALLED BY THE SITE CONTRACTOR.
2. CURB RAMPS SUBJECT TO DEPARTMENT OF TRANSPORTATION REGULATION 49 CFR 37.21 SHALL HAVE A DETECTABLE WARNING COMPLYING WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND A MINIMUM OF 24" DEEP (MEASURED FROM THE BACK OF CURB ON THE RAMP SURFACE).
3. ALL DETECTABLE WARNING SURFACES FOR SIDEWALKS AT CURB CUT HANDICAP RAMP SHALL BE A COUNTY APPROVED YELLOW COLORED COMPOSITE MATERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA INSERTS ARE TO BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL CONFORM TO FDOT STANDARD PLANS INDEX 522-002, CODE OF FEDERAL REGULATIONS PART 36, AND CITY OF JACKSONVILLE STANDARDS.

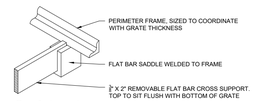
2 ACCESSIBLE RAMP

NTS

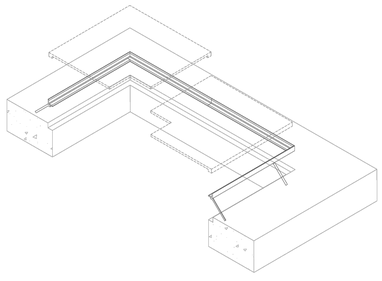
DETAIL-FILE



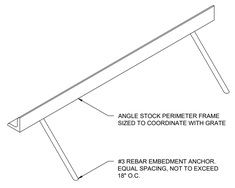
Type S - Isometric
SCALE: NTS



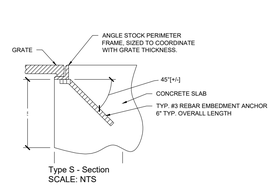
Type S - Isometric
SCALE: NTS



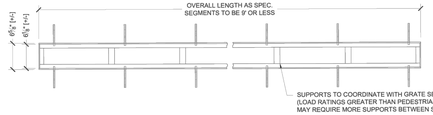
Type S - Exploded Assembly
SCALE: NTS



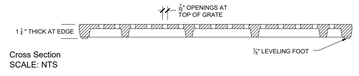
Type S - Isometric
SCALE: NTS



Type S - Section
SCALE: NTS



Example 6" Trench Frame - Plan
SCALE: NTS



Cross Section
SCALE: NTS

TRENCH GRATE:

MATERIAL: 18" X 24" TITLE WAVE TRENCH GRATE BY URBAN ACCESSORIES.

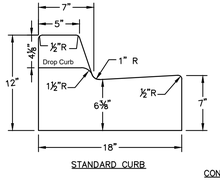
SPECS - TYPE S

TYPE S FRAMES ARE FOR PERMANENT INSTALLS INTO NEW CONCRETE W/O PAVERS. REBAR ANCHORING IS NOT PRE-BENT, BENDING TO BE DONE BY CONTRACTOR PRIOR TO INSTALLATION INTO CONCRETE.

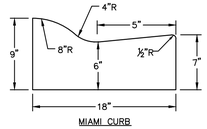
4 TRENCH GRATE

NTS

DETAIL-FILE



STANDARD CURB



MIAMI CURB

CONCRETE QUANTITIES:

CITY STANDARD CURB .0368889 CU. YD./LIN. FT.
MIAMI CURB .0325926 CU. YD./LIN. FT.

7 TRADITIONAL CURBING

NTS

DETAIL-FILE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	NL
CHECKED BY:	MAJ

HARDSCAPE DETAILS

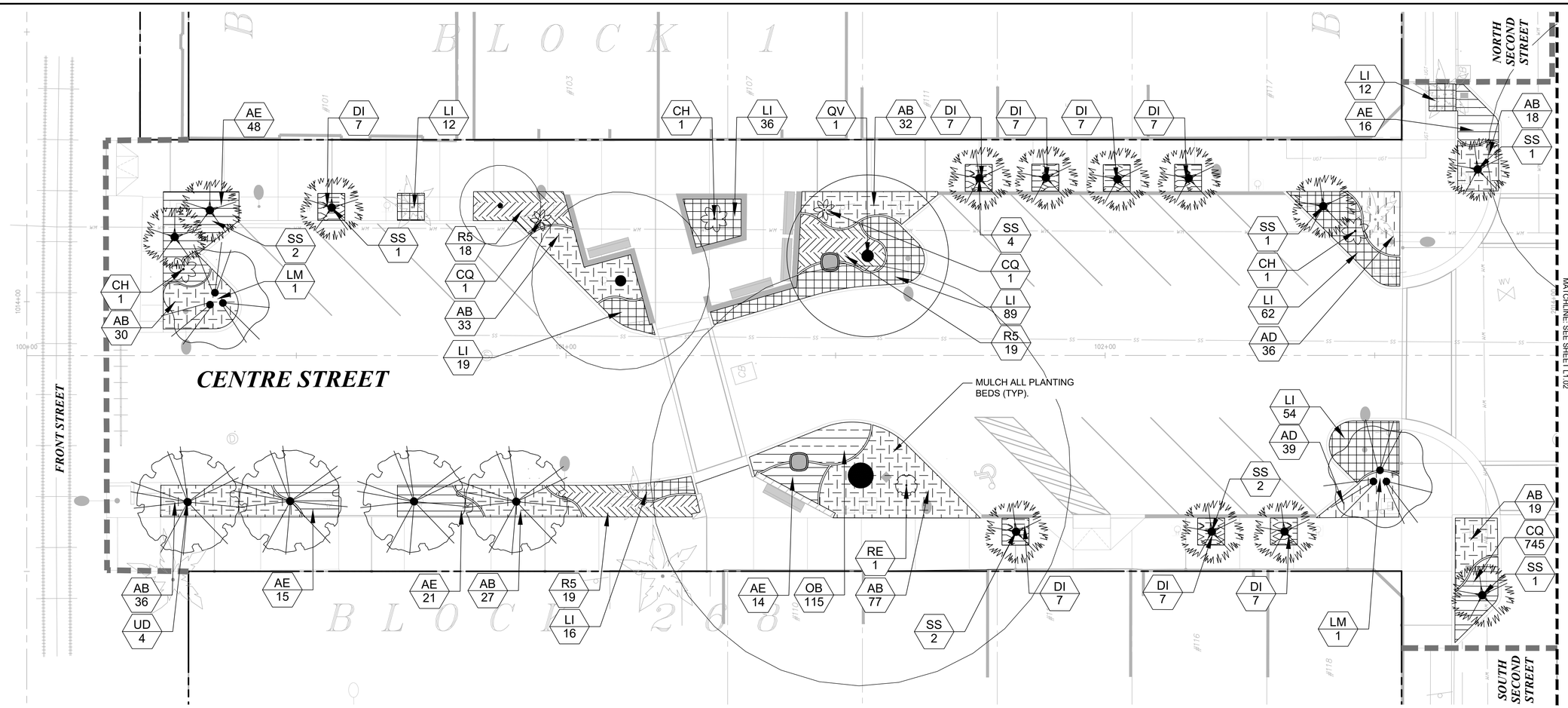
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER H1.54

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:H1.54 January 08, 2025 10:34:54am K:\JAX_LAL\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\H1.00 HARDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PLANT SCHEDULE L1.01

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X 'NATCHEZ'	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	4	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

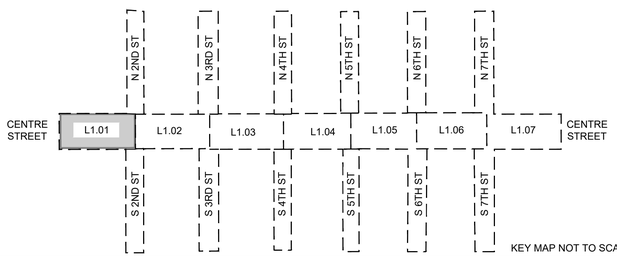
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
SHRUBS							
	CH	3	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'	
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'	
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'	
GROUND COVERS							
	AB	272	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.
	AD	75	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.
	AE	114	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.
	LI	300	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.
	OB	115	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.
	RS	56	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.

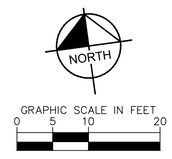
LEGEND

- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM — COM — COM — PROPOSED ELECTRIC

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN





No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

PLANTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

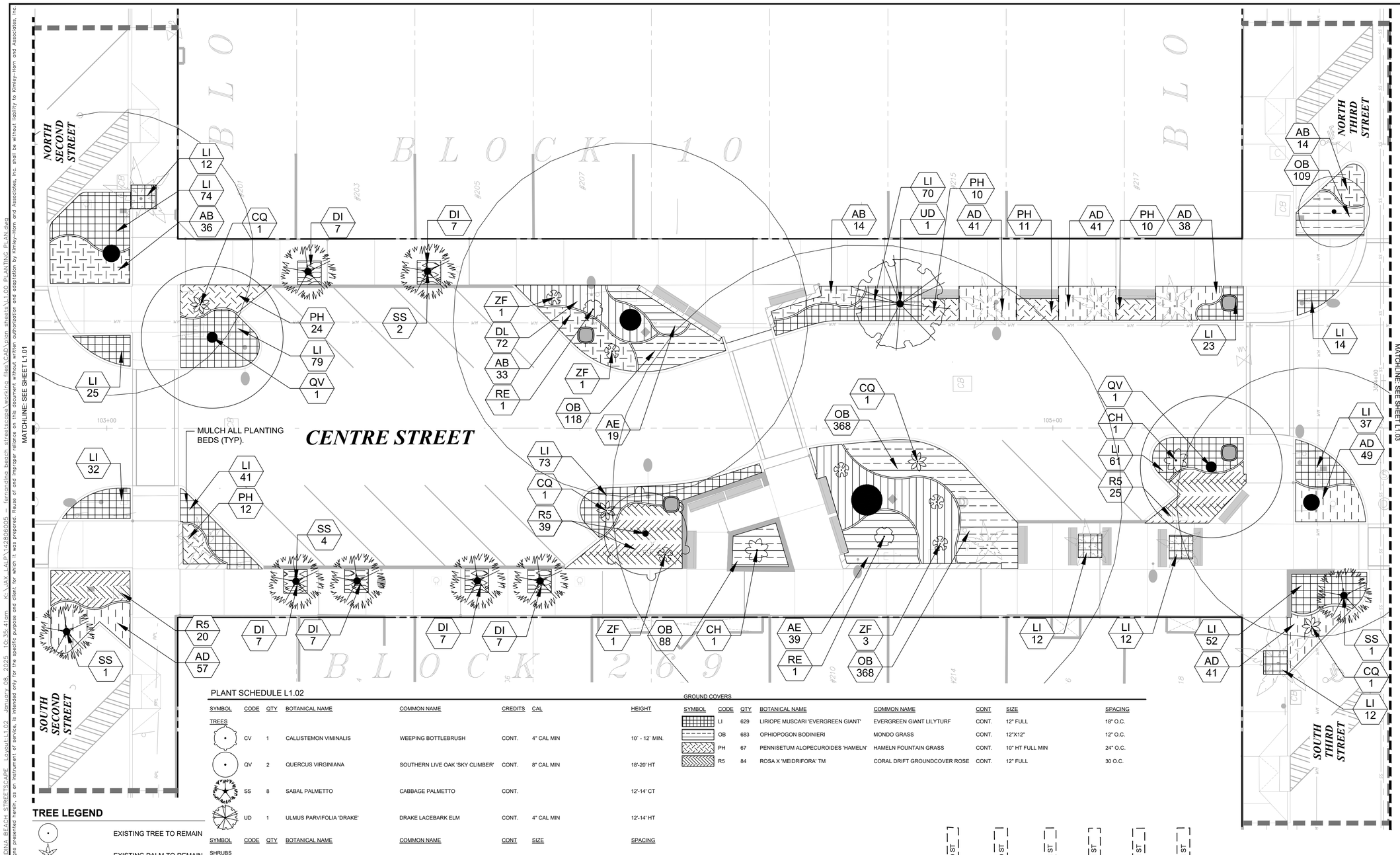
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
142806005	01/08/2025	AS SHOWN	KHA	ZKF	MAJ

SHEET NUMBER
L1.01

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.01 January 08, 2025 10:35:18am K:\JAX_LALP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

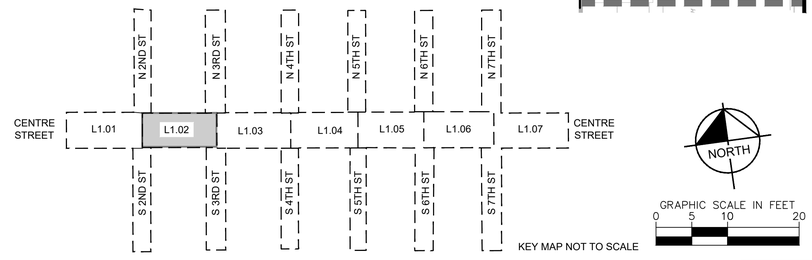
PLANT SCHEDULE L1.02

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	8	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
SHRUBS							
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'	
	CQ	4	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'	
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'	
	ZF	6	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL	
GROUND COVERS							
	AB	97	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.
	AD	267	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.
	AE	58	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.
	DI	42	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.
	DL	234	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.

GROUND COVERS

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
	LI	629	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.
	OB	683	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.
	PH	67	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.
	R5	84	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.



KEY MAP NOT TO SCALE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DESIGNED BY:	KHA
142806005	DRAWN BY:	ZRF
DATE	CHECKED BY:	MAJ
01/08/2025		
SCALE: AS SHOWN		

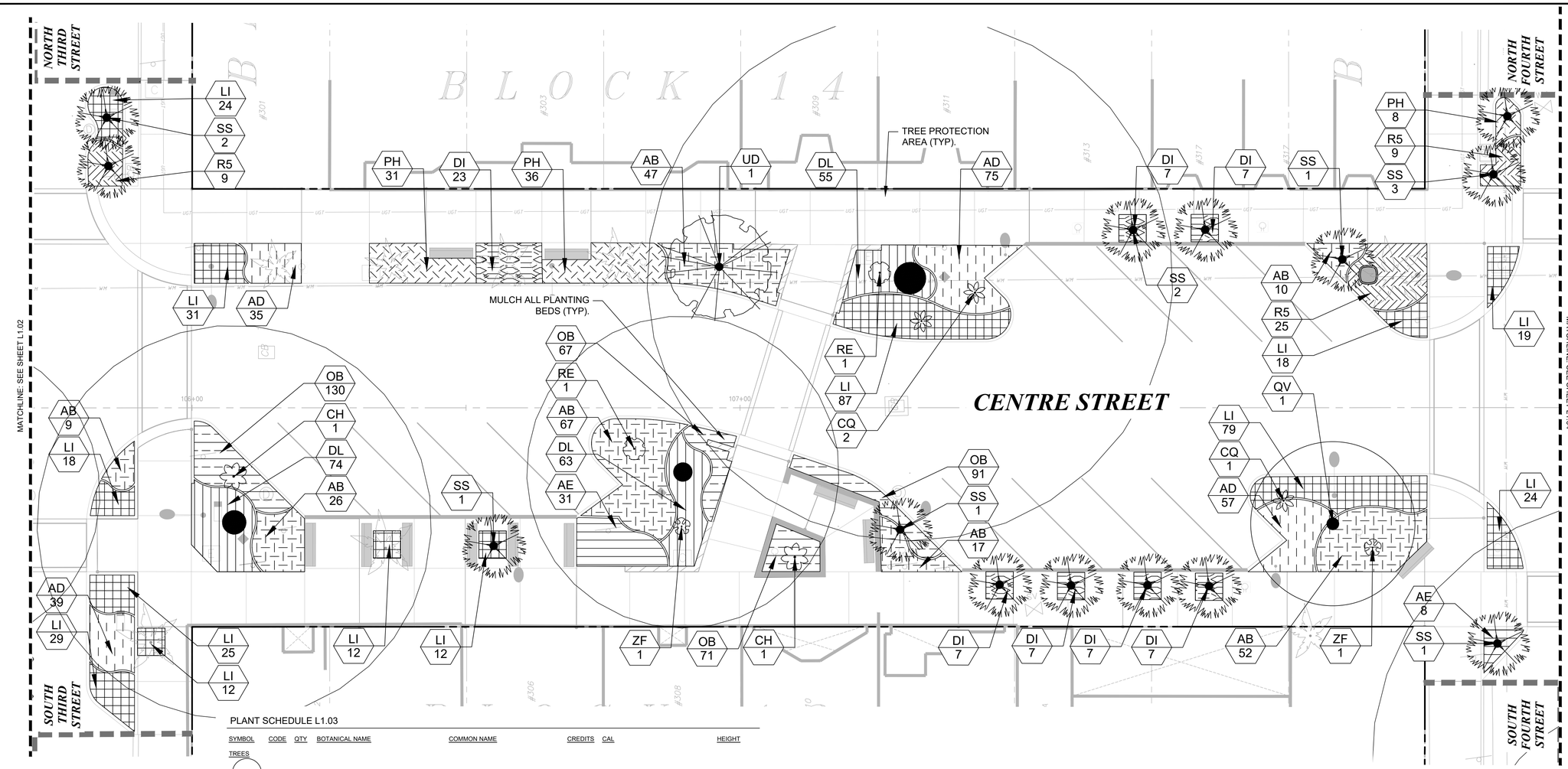
PLANTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.02

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.02 January 08, 2025 10:35:41am K:\JAX_LAUP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

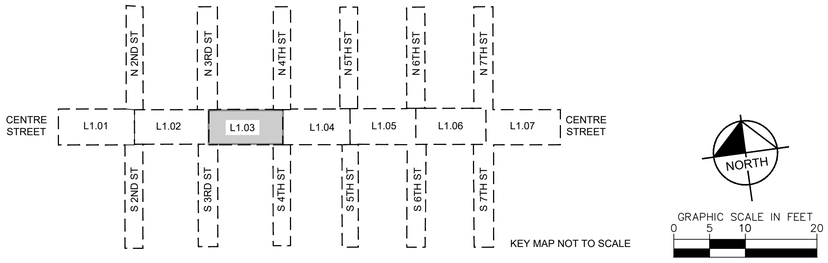


TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN

PLANT SCHEDULE L1.03

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT	
TREES								
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT	
	SS	15	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT	
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT	
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		6
	CQ	3	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		4
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		4
	ZF	2	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		3
GROUND COVERS								
	AB	228	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	2
	AD	206	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	1
	AE	39	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	2
	DI	65	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	2
	DL	192	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	1
	LI	390	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	1
	OB	359	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	1
	PH	75	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	2
	R5	43	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	3



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DATE	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
142806005	01/08/2025	AS SHOWN	KHA	ZRF	MAJ

PLANTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

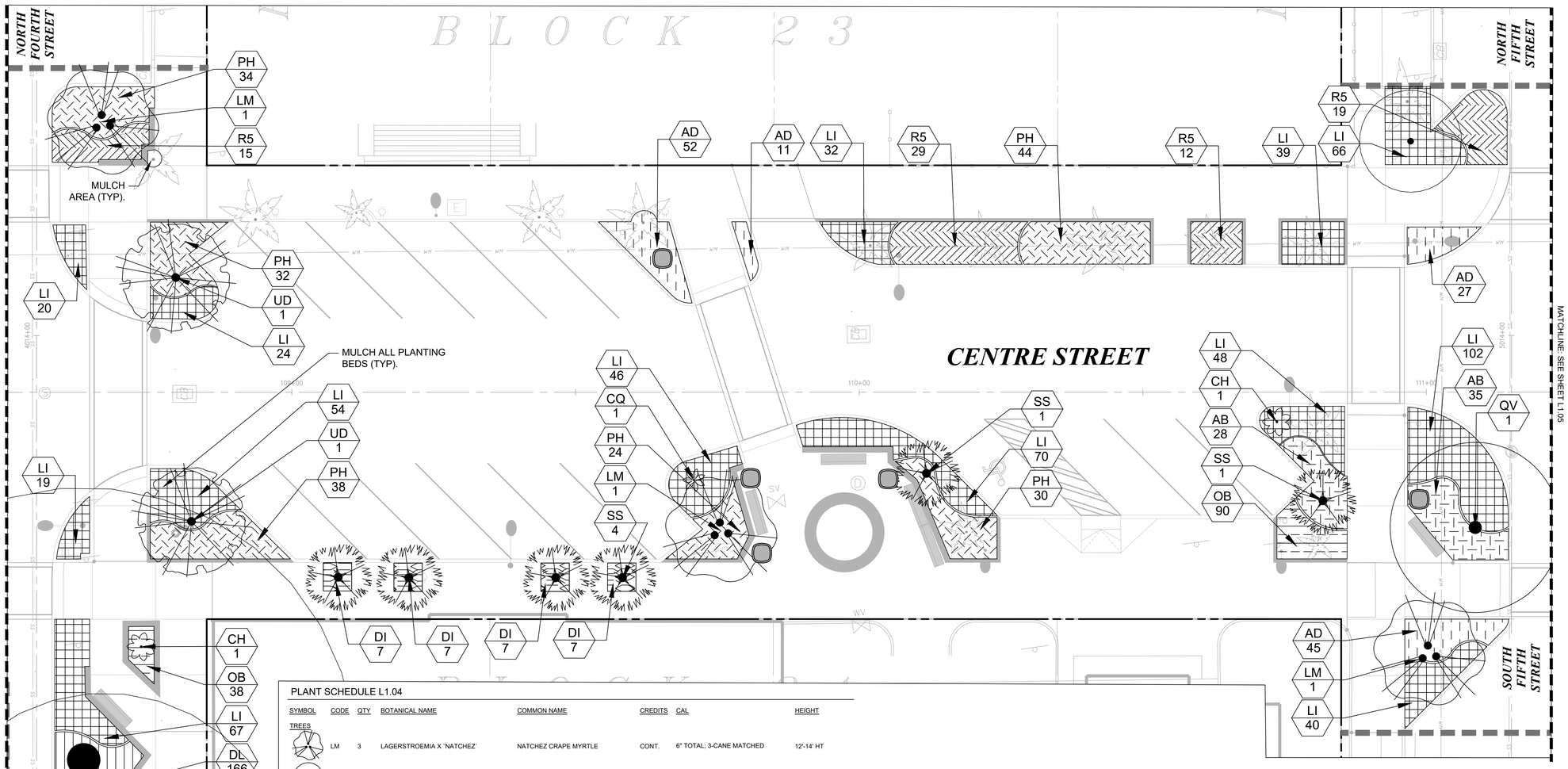
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.03 January 08, 2025 10:35:55am K:\JAX_LA\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.04 January 08, 2025 10:36:05am K:\JAX_LAUP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PLANT SCHEDULE L1.04

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	3	LAGERSTROEMIA X 'NATCHEZ'	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	6	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	2	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

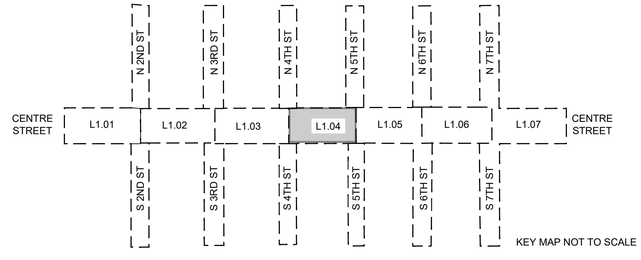
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPAC
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c
	CQ	1	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c
GROUND COVERS								
	AB	63	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c
	AD	135	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c
	DI	28	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c
	DL	166	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c
	LI	679	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c
	OB	128	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c
	PH	202	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c
	R5	75	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c

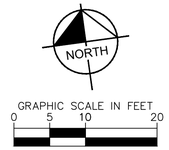
TREE LEGEND

EXISTING TREE TO REMAIN

EXISTING PALM TO REMAIN

OFF-SITE TREE TO REMAIN





No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

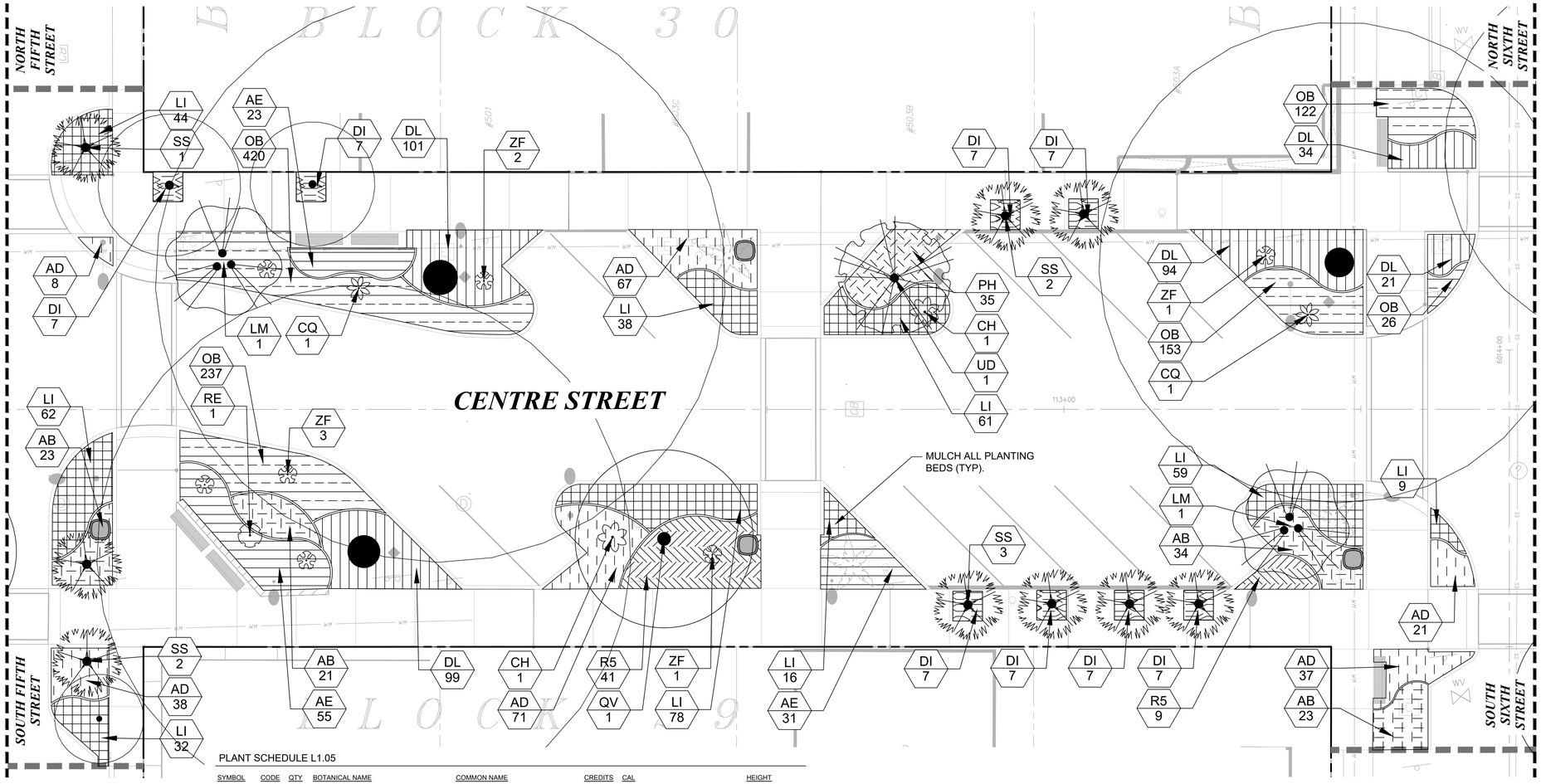
FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: ZRF	CHECKED BY: MAJ

PLANTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.04

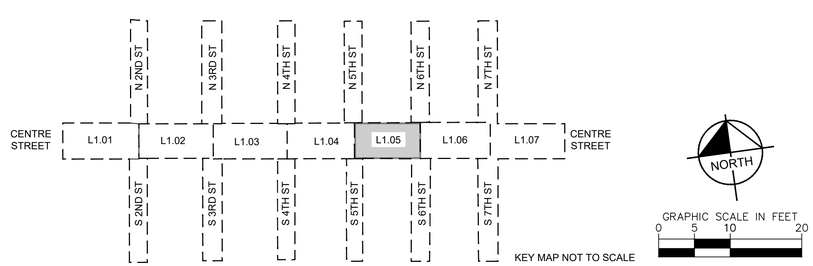


PLANT SCHEDULE L1.05

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT	
TREES								
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT	
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT	
	SS	9	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT	
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT	
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPAC
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.
	ZF	7	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.
GROUND COVERS								
	AB	101	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.
	AD	242	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.
	AE	109	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.
	DL	349	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.
	LI	399	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.
	OB	958	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.
	PH	35	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.
	R5	50	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	SCALE: AS SHOWN	DESIGNED BY: KHA
DATE 01/08/2025		DRAWN BY: ZRF
		CHECKED BY: MAJ

PLANTING PLAN

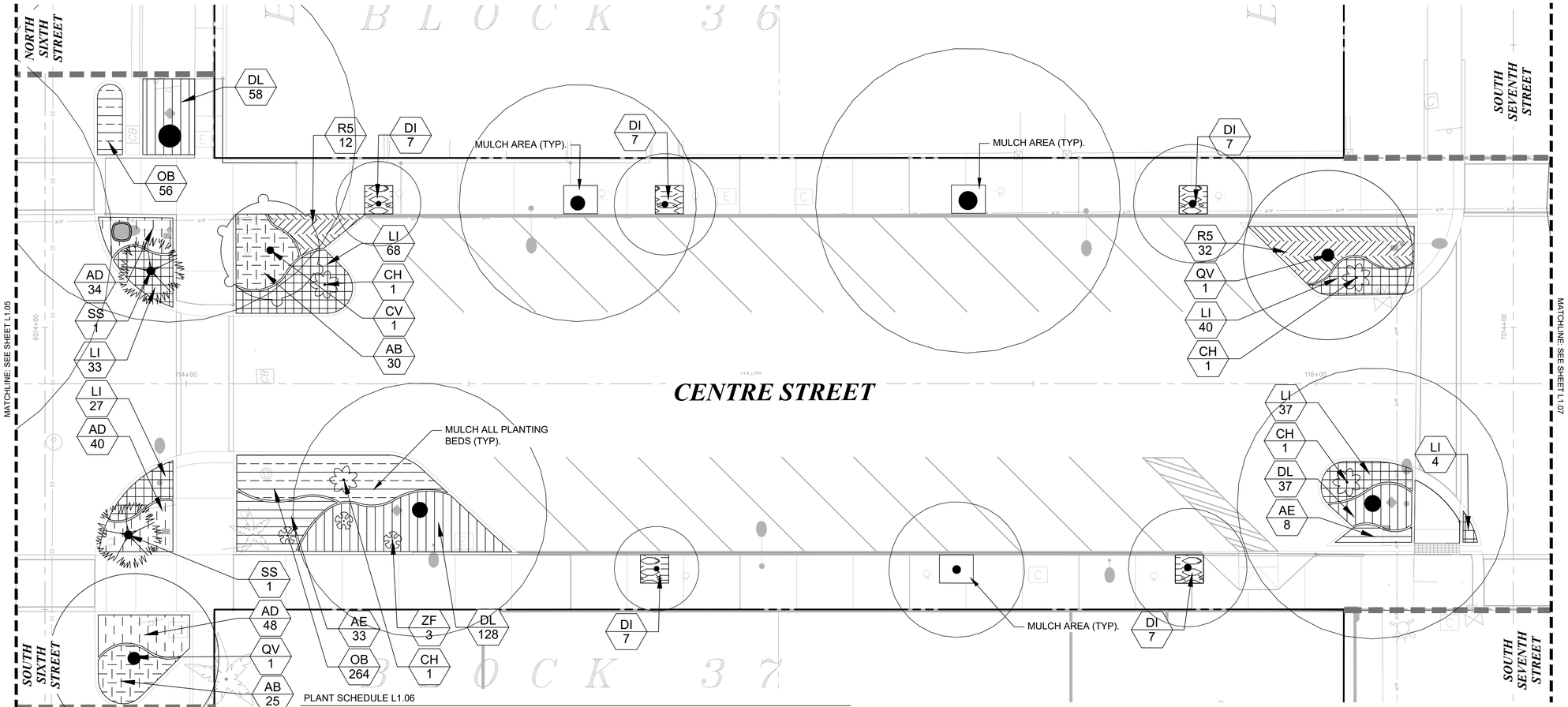
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER L1.05

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: L1.05 January 08, 2025 10:36:15am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



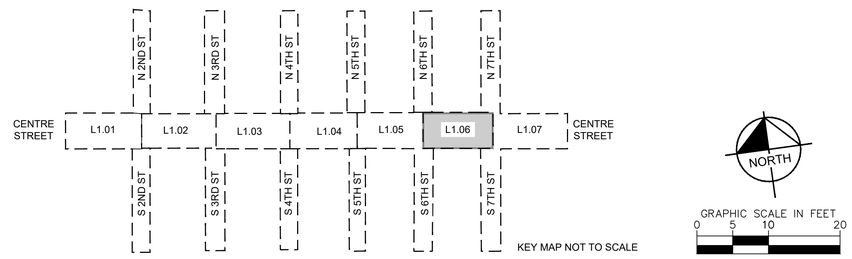
PLANT SCHEDULE L1.06

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	2	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
SHRUBS							
	CH	4	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'	
	ZF	3	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL	
GROUND COVERS							
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.
	AD	122	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.
	AE	41	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.
	DI	35	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.
	DL	223	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.
	LI	209	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.
	OB	320	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.
	R5	44	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.

TREE LEGEND

- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN
- OFF-SITE TREE TO REMAIN



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DATE	SCALE: AS SHOWN	DESIGNED BY: KHA
142806005	01/08/2025		DRAWN BY: ZRF
			CHECKED BY: MAJ

PLANTING PLAN

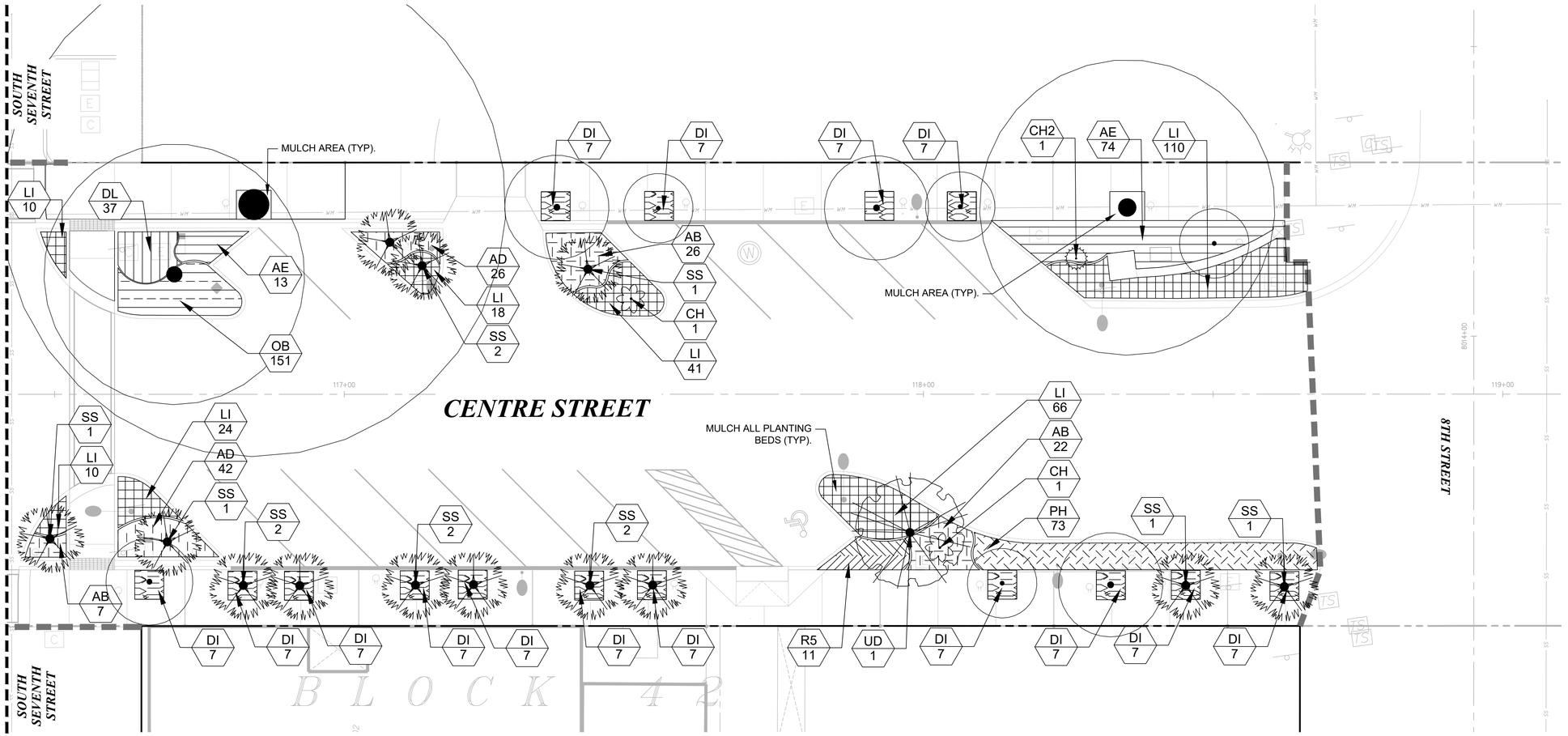
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.06

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.06 January 08, 2025 10:36:25am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\color sheets\L1.00 PLANTING PLAN.dwn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PLANT SCHEDULE L1.07

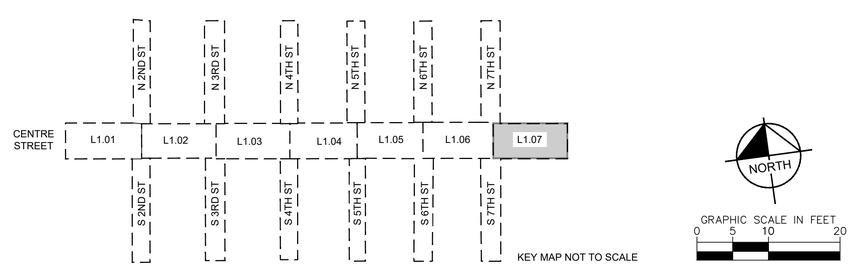
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT	
TREES								
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT	
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT	
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACIN
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			48" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	68	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	87	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	105	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	37	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	279	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	151	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	73	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	RS, LI		ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

TREE LEGEND

EXISTING TREE TO REMAIN

EXISTING PALM TO REMAIN

OFF-SITE TREE TO REMAIN



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	DATE	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
142806005	01/08/2025	AS SHOWN	KHA	ZRF	MAJ

PLANTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: L1.07 January 08, 2025 10:36:40am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

OVERALL PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	2	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	EO	12	EXISTING LIVE OAK	EXISTING LIVE OAK	CONT.		
	EC	15	EXISTING UNDERSTORY	EXISTING UNDERSTORY	CONT.		
	LM	28	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	XE	17	OFF-SITE TREE	OFF-SITE TREE	CONT.		
	QV	27	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	178	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	10	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	17	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		
	CQ	12	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			
	RE	6	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		
	ZF	18	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		
GROUND COVERS								
	AB	871	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL		24" O.C.
	AD	1,115	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL		24" O.C.
	AE	448	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL		24" O.C.
	DI	387	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL		24" O.C.
	DL	1,201	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL		24" O.C.
	LI	2,885	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL		18" O.C.
	OB	2,714	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"		12" O.C.
	PH	452	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN		24" O.C.
	R5	363	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL		30 O.C.

PLANT SCHEDULE L1.01

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	4	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	3	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	272	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	75	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	114	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	LI	300	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	115	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	56	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.02

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	8	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	4	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	6	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	97	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	267	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	58	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	42	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	234	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	24" o.c.
	LI	629	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	683	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	67	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	84	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.03

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	15	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	3	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	2	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	2	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	228	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	206	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	39	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	65	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	192	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	390	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	359	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	75	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	43	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.04

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	3	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	6	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	2	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	1	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
GROUND COVERS								
	AB	63	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	135	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	DI	28	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	166	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	679	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	128	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	202	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	75	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.05

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	LM	2	LAGERSTROEMIA X `NATCHEZ`	NATCHEZ CRAPE MYRTLE	CONT.	6" TOTAL; 3-CANE MATCHED	12'-14' HT
	QV	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	9	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CQ	2	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	RE	1	RHAPIS EXCELSA	LADY PALM	CONT.	48" FULL, 'SPECIMEN'		48" o.c.
	ZF	7	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	101	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	242	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	109	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	56	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	349	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	399	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	958	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	35	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	50	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.06

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	CV	1	CALLISTEMON VIMINALIS	WEEPING BOTTLEBRUSH	CONT.	4" CAL MIN	10' - 12' MIN.
	QV	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK 'SKY CLIMBER'	CONT.	8" CAL MIN	18'-20' HT
	SS	2	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	4	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	ZF	3	ZAMIA FURFURACEA	CARDBOARD PALM	CONT.	3` FULL		36" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	122	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	41	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	35	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	223	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	209	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	320	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	R5	44	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

PLANT SCHEDULE L1.07

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CREDITS	CAL	HEIGHT
TREES							
	SS	13	SABAL PALMETTO	CABBAGE PALMETTO	CONT.		12'-14' CT
	UD	1	ULMUS PARVIFOLIA 'DRAKE'	DRAKE LACEBARK ELM	CONT.	4" CAL MIN	12'-14' HT

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	SPACING
SHRUBS								
	CH	2	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	CONT.	48" FULL MULTI-STEM, 'SPECIMEN'		60" o.c.
	CH2	1	EXISITNG FAN PALM	EXISTING FAN PALM	N/A			48" o.c.
GROUND COVERS								
	AB	55	AGAPANTHUS AFRICANUS 'BLUE'	BLUE AFRICAN LILY	CONT.	15" FULL	24" O.C.	24" o.c.
	AD	68	ASPARAGUS DENSIFLORUS 'MYERS'	MYERS ASPARAGUS FERN	CONT.	18" FULL	24" O.C.	18" o.c.
	AE	87	ASPIDISTRA ELATIOR	CAST IRON PLANT	CONT.	24" FULL	24" O.C.	24" o.c.
	DI	105	DIETES IRIDIOIDES	WHITE AFRICAN IRIS	CONT.	18" FULL	24" O.C.	24" o.c.
	DL	37	DRYOPTERIS LUDOVICIANA	FLORIDA SHIELD FERN	CONT.	24" FULL	24" O.C.	18" o.c.
	LI	279	LIRIOPE MUSCARI 'EVERGREEN GIANT'	EVERGREEN GIANT LILYTURF	CONT.	12" FULL	18" O.C.	18" o.c.
	OB	151	OPHIOPOGON BODINIERI	MONDO GRASS	CONT.	12"X12"	12" O.C.	12" o.c.
	PH	73	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	CONT.	10" HT FULL MIN	24" O.C.	24" o.c.
	R5	11	ROSA X 'MEIDRIFORA' TM	CORAL DRIFT GROUNDCOVER ROSE	CONT.	12" FULL	30 O.C.	30" o.c.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.08 January 08, 2025 10:36:49am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING SCHEDULE

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.08

TYPICAL PLANTING NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: OBTAINING ALL APPLICABLE PERMITS, FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS SPECIFIED HEREIN.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM CONTRACTOR NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

3. THE CONTRACTOR SHALL SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF THE DEPARTMENT OF TRANSPORTATION (DOT) DESIGN STANDARDS IF A DIRECT APPLICATION OF THE STANDARD IS PROPOSED. THE CONTRACTOR SHALL SUBMIT IN WRITING A STATEMENT INDICATING THE STANDARD INDEX AND PAGE NUMBER NO LESS THAN 10 BUSINESS DAYS PRIOR TO START OF CONSTRUCTION. WHEN A DIRECT APPLICATION OF DOT STANDARD IS NOT ACCEPTABLE A PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A PROFESSIONAL ENGINEER WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC, AS DEFINED BY DOT FOR APPROVAL BY THE COUNTY ENGINEER'S REPRESENTATIVE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON INFORMATION FURNISHED BY THE OWNER OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

5. NOTIFY THE OWNER IMMEDIATELY IF ANY DAMAGES OCCUR TO EXISTING TREES.

6. CALL ONE CALL (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

C. PROTECTION OF EXISTING PLANT MATERIALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC... THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE.

2. SEE TREE MITIGATION PLAN AND NOTES.

D. MATERIALS

1. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY* (OR TAGGED IN NURSERY)
	*IN SOME INSTANCES AN IMAGE TAKEN OF THE PLANT WITH A MEASURING STICK WILL SUFFICE
ROOT BARRIER	NOS SM 2420 ROOT BARRIER (OR APPROVED EQUAL) INSTALL PER MANUFACTURERS' SPECIFICATIONS IN LOCATIONS SHOWN ON PLANS.

2. PLANT MATERIALS

a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE GRADE NO. 1 OR BETTER AS DETERMINED BY THE APPROPRIATE STATE DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.

b. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

c. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:

2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.

b. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.

c. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.

d. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL, MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.

e. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.

2. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

F. WATER

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

* WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

* FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

1. MULCH SHALL BE DOUBLE SHREDDED HARDWOOD MATERIAL
2. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF THREE (3) INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). SEE PLAN FOR MULCH SPECIFICATIONS.

3. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA WITH PINNED WEED BARRIER FABRIC IN EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT (6' MINIMUM) PLANTED UNDER THIS CONTRACT.

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED (B&B), AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROUTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS: ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.

4. RPG="ROOTS PLUS GROWER" CONTAINER PRODUCTS SHALL BE USED WHERE SPECIFIED.

K. MATERIALS LIST

1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION.

2. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

L. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

M. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.

3. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

4. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ONSITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

5. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

6. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

7. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES. ANY DAMAGES CAUSED BY CONTRACTOR WILL BE THE CONTRACTOR'S RESPONSIBILITY.

8. FOLLOW PLANTING SPECIFICATIONS IN PLANTING DETAILS

9. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC.., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

10. TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

11. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6". REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SOIL MIXTURE SECTION OF THESE SPECIFICATIONS. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

12. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO ENSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK.

N. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

O. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING TREE GUY SUPPORTS NECESSARY) TO ENSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR OR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

P. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

Q. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

2. ALL TREES ARE REQUIRED TO HAVE 2-YEAR MAINTENANCE AGREEMENT COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

3. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.

4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

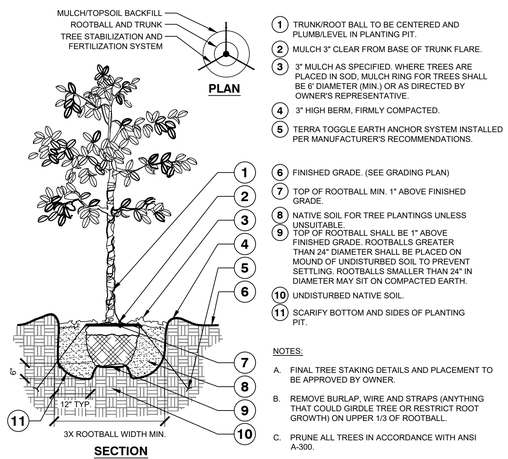
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

PLANTING NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L1.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.50 January 08, 2025 10:36:51am K:\JAX_LA\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTES:

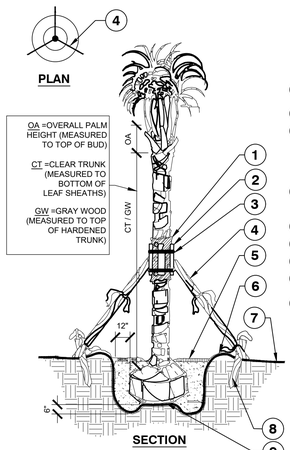
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

C. PRUNE ALL TREES IN ACCORDANCE WITH ANSI A-300.

1 TREE PLANTING

L-PL-TYP-01



NOTES:

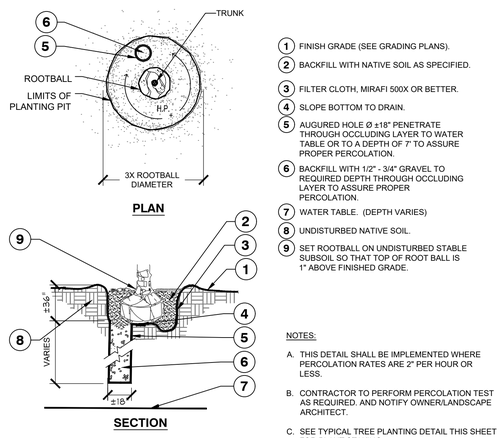
A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

B. ALL TREE STAKING IS TO BE WITHIN MULCH BED AREA OUTSIDE TREE PIT.

C. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION - REFER TO POOR DRAINAGE CONDITION DETAIL.

2 PALM PLANTING AND STAKING

SECTION



NOTES:

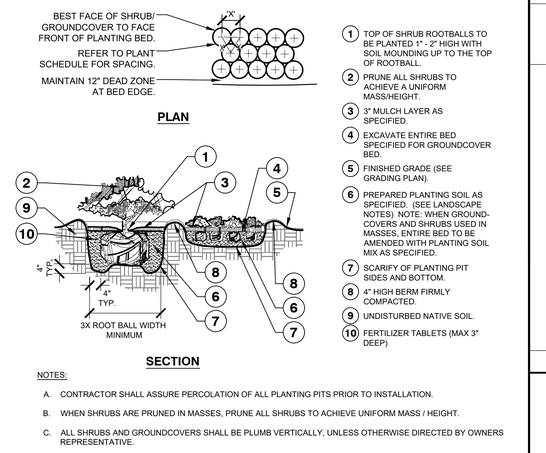
A. THIS DETAIL SHALL BE IMPLEMENTED WHERE PERCOLATION RATES ARE 2" PER HOUR OR LESS.

B. CONTRACTOR TO PERFORM PERCOLATION TEST AS REQUIRED, AND NOTIFY OWNER/LANDSCAPE ARCHITECT.

C. SEE TYPICAL TREE PLANTING DETAIL THIS SHEET FOR PLANT STAKING.

3 POOR DRAINAGE CONDITION

L-PL-TYP-09



NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

4 SHRUB/ GROUNDCOVER PLANTING

L-PL-TYP-03

Model List		
Model #	Height - ft (m)	Caliper - in (mm)
RF0P	Up to 8'	Up to 1.5"
RF0P 4 Leg	Up to 12"	
RF1P	8'-15' (2.5m - 4.5m)	1.5" - 3" (40mm - 75mm)
RF1P 4 Leg	12" - 24" Box	
RF2P	15'-25' (4.5m - 7.5m)	3" - 5.75" (75mm - 150mm)
RF2P 4 Leg	24" - 48" Box	
RF3P	25'-40' (7.5m - 12m)	5.75" - 9.5" (150mm - 230mm)
RF3P 4 Leg	48" - 60" Box	
RF4P	40'+ (12m+)	9.5"+ (230mm+)
RF4P 4 Leg	60" - 84"	
Please contact Platipus representative for boxes over 84"		

5 PLATIPUS TREE ANCHOR WITH DEADMAN FIXING SYSTEM

1" = 10'

JAX-FE-FBP-14

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L1.51 January 08, 2025 10:36:57am K:\JAX_LALD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L1.00 PLANTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

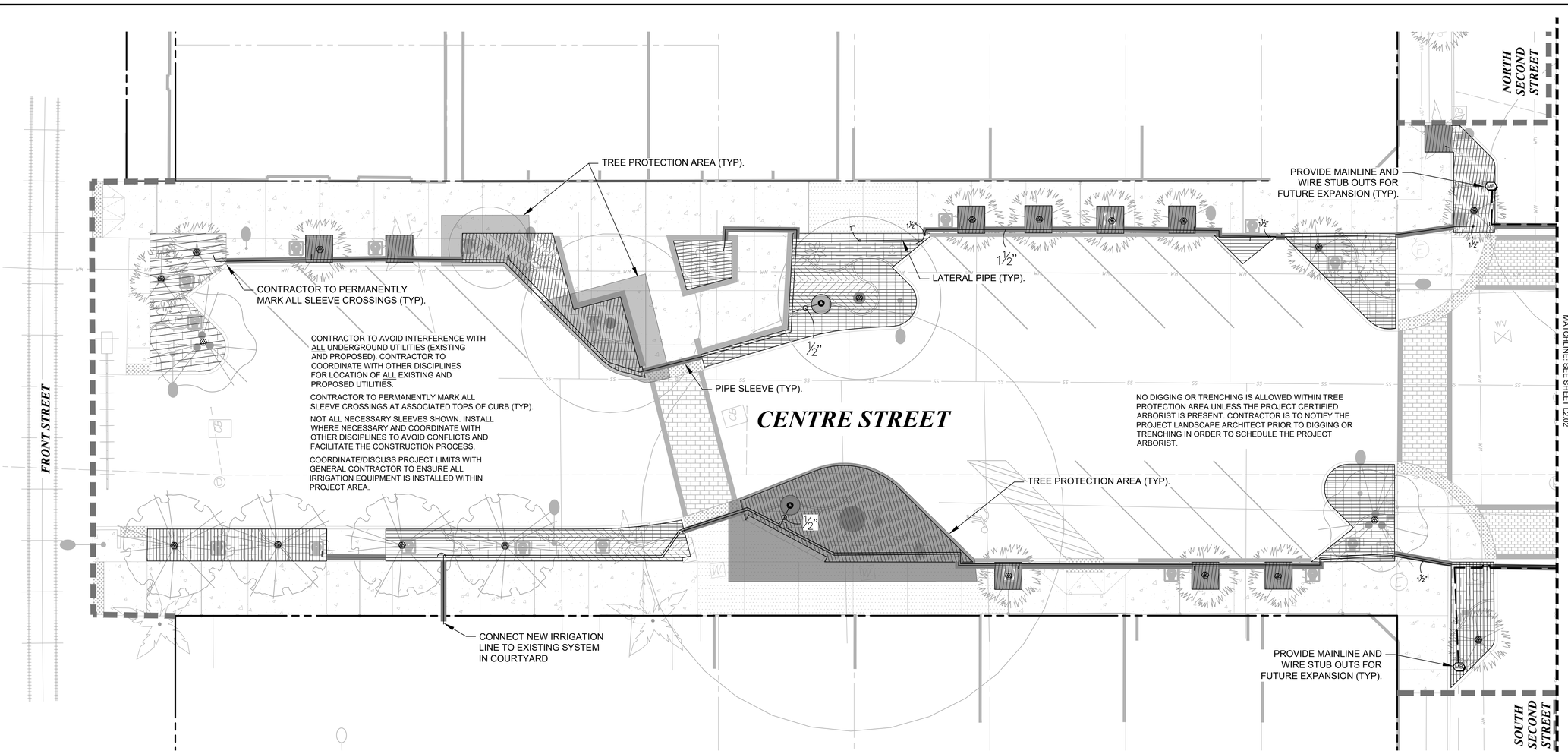
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

PLANTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L1.51



IRRIGATION SCHEDULE L2.01

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	2
	RAIN BIRD XFCV-06-12 DRIP RING PALM	13
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	7
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout
Valve Number
Valve Flow
Valve Size

LEGEND

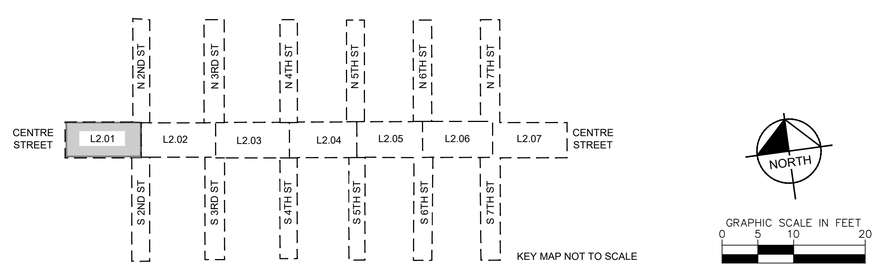
- FO — FIBER OPTIC
- JD — GAS
- HCS — HYDRAULIC CONTAINMENT SYSTEM
- STORM PIPE
- SS — SANITARY SEWER
- WM — WATER MAIN
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- PROP. RIGHT-OF-WAY
- PROP. PROPERTY LINE
- CENTER LINE
- LIMITS OF WORK
- COM — COM — COM — PROPOSED ELECTRIC

SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)

PIPE SIZE	SLEEVE SIZE
1"	2"
1 ½"	4"
2"	4"
2 ½"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG.
2. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
3. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

IRRIGATION PLAN

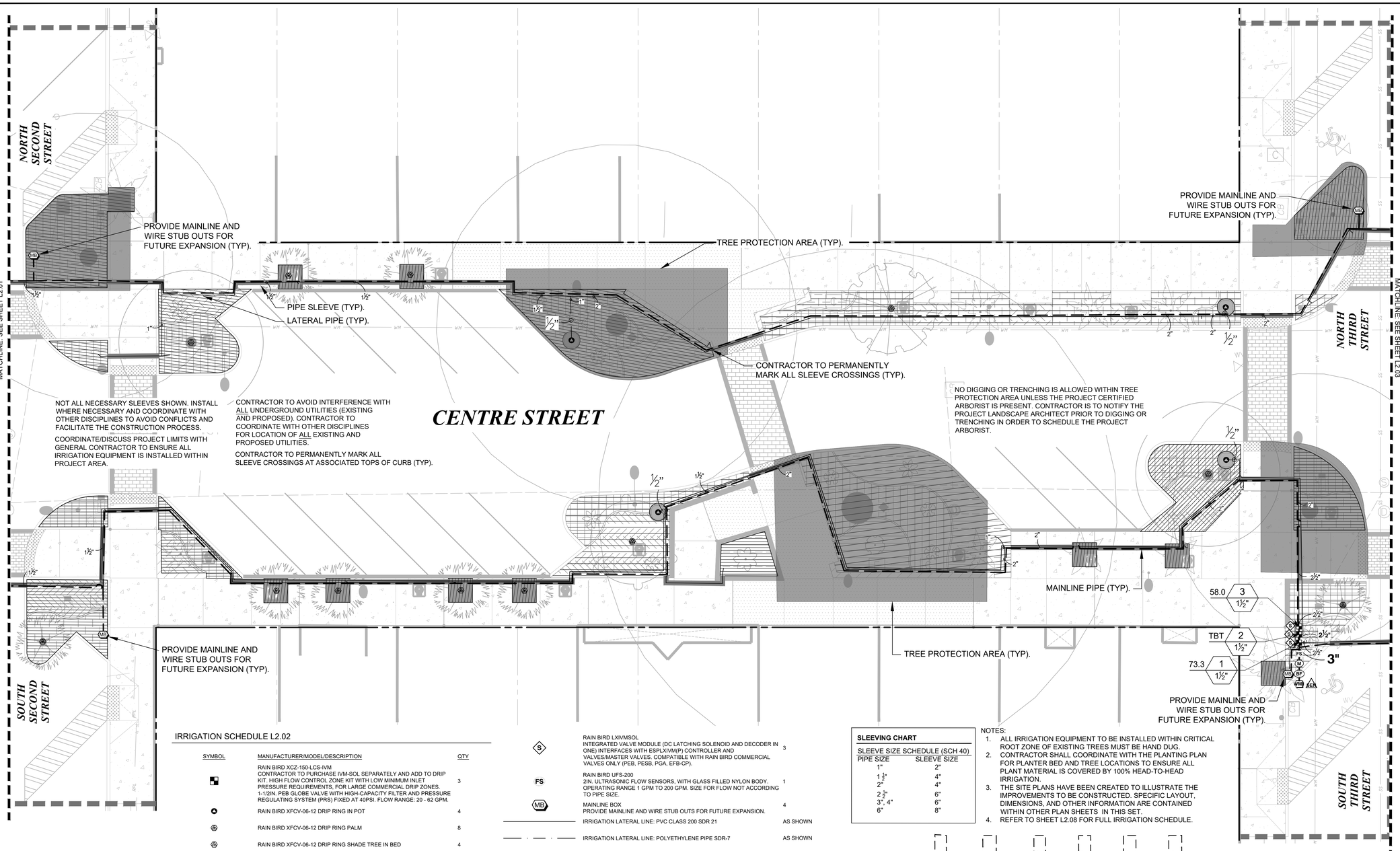
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
L2.01

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.01 January 08, 2025 10:37:24am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.02 January 08, 2025 10:37:41am K:\JAX_LA\EV\142806005 — fernandina beach streetscape\working files\CAD\color sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



IRRIGATION SCHEDULE L2.02

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	3
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	8
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1

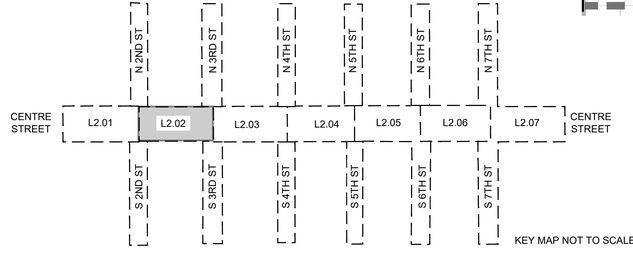
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	3
FS	RAIN BIRD LXFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout
Valve Number
Valve Flow
Valve Size

SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)	
PIPE SIZE	SLEEVE SIZE
1"	2"
1 ½"	4"
2"	4"
2 ½"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG.
2. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
3. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.



KEY MAP NOT TO SCALE

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

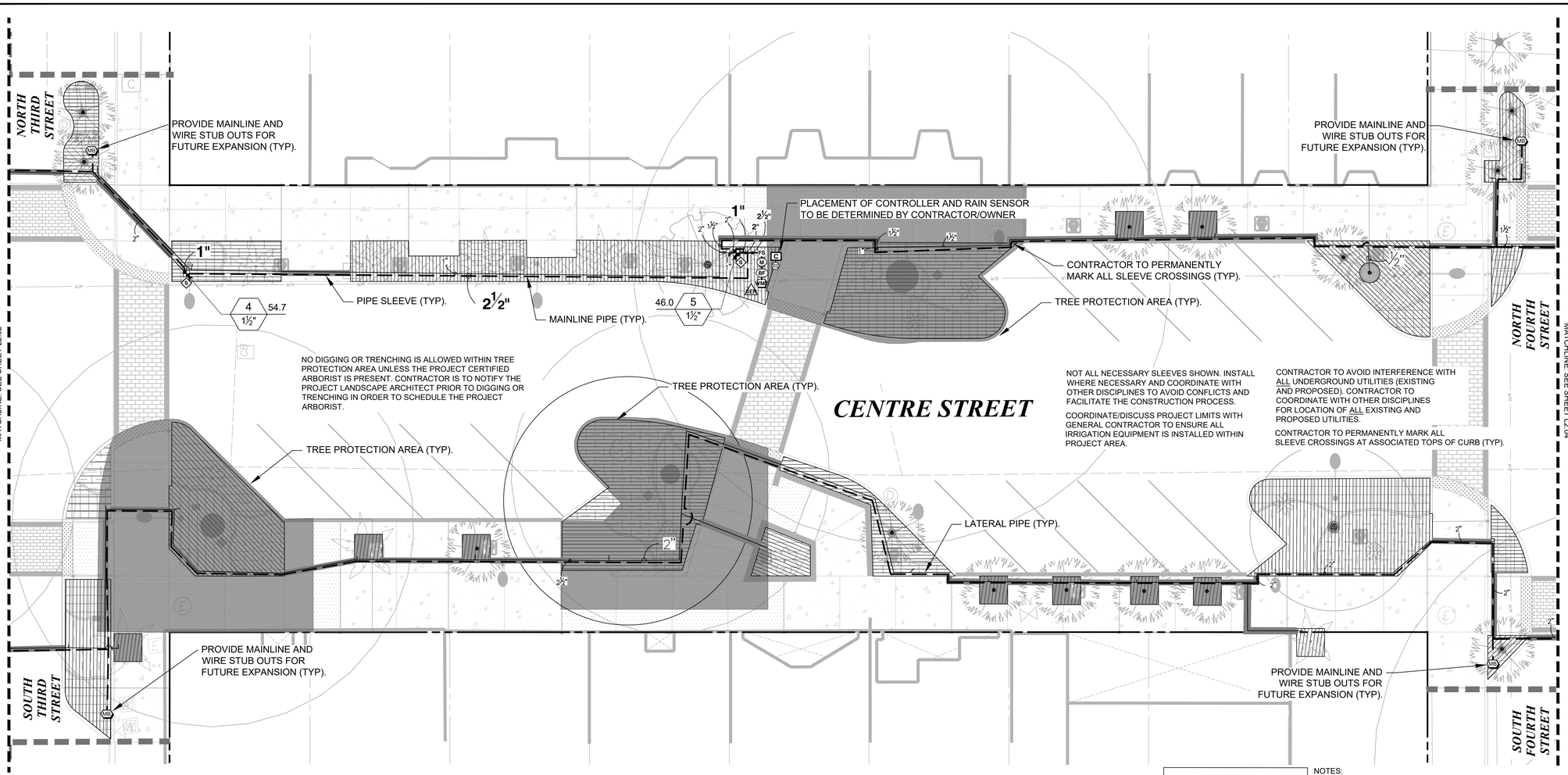
IRRIGATION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.02

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.03 January 08, 2025 10:38:01am K:\JAX\LALP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



IRRIGATION SCHEDULE L2.03

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	14
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	2
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1

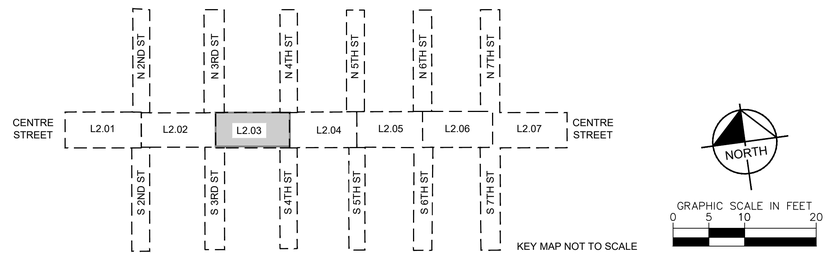
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout
Valve Number
Valve Flow
Valve Size

SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)	
PIPE SIZE	SLEEVE SIZE
1"	2"
1 1/2"	4"
2"	4"
2 1/2"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
2. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

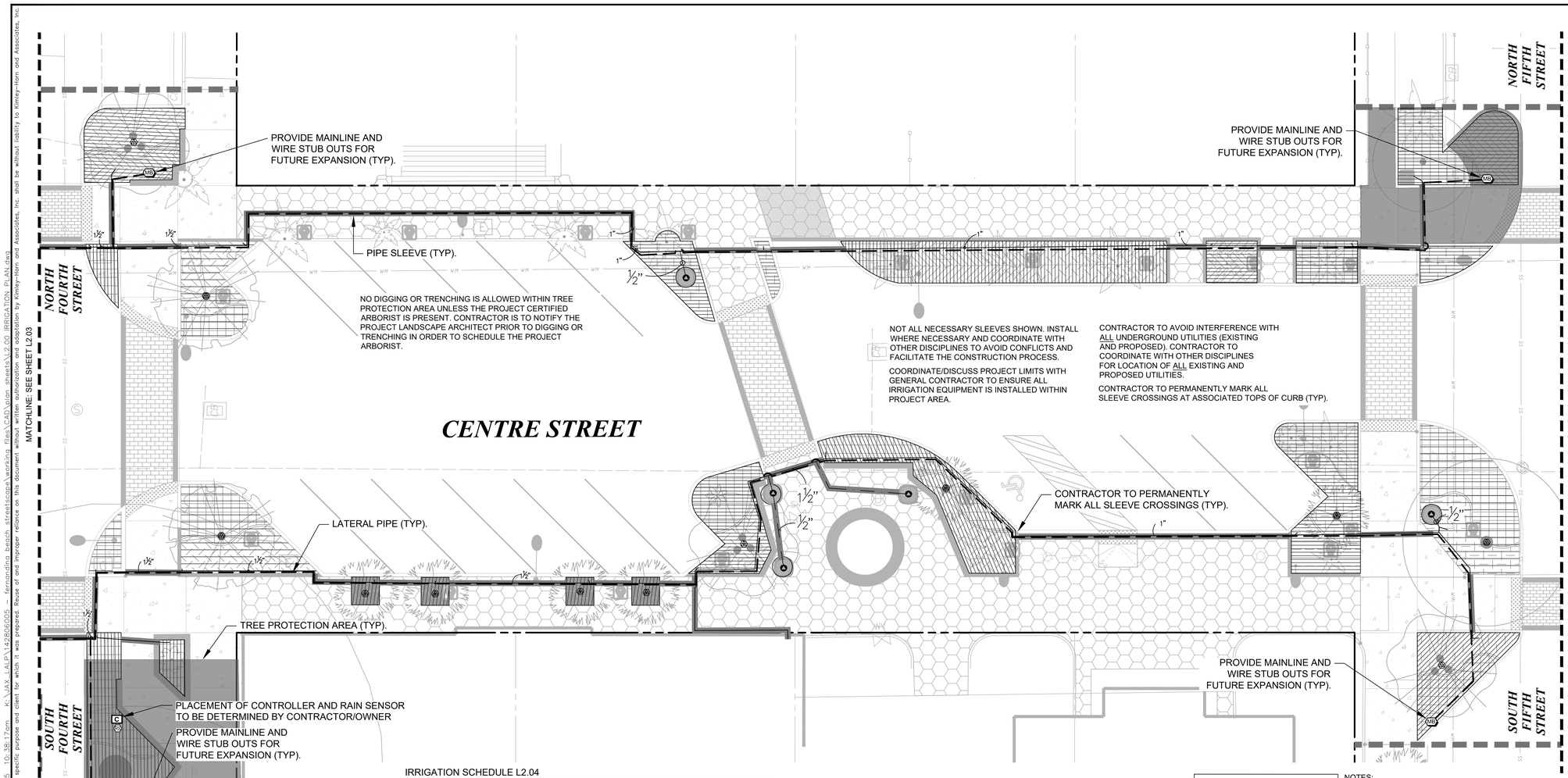
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.03



IRRIGATION SCHEDULE L2.04

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	5
	RAIN BIRD XFCV-06-12 DRIP RING PALM	7
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	5
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE, 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	3
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

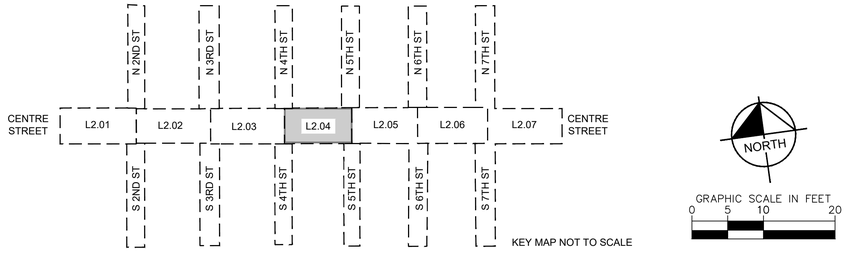
Valve Callout
Valve Number
Valve Flow
Valve Size

SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)

PIPE SIZE	SLEEVE SIZE
1"	2"
1 ½"	4"
2"	4"
2 ½"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG.
2. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
3. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: ZRF
CHECKED BY: MAJ

IRRIGATION PLAN

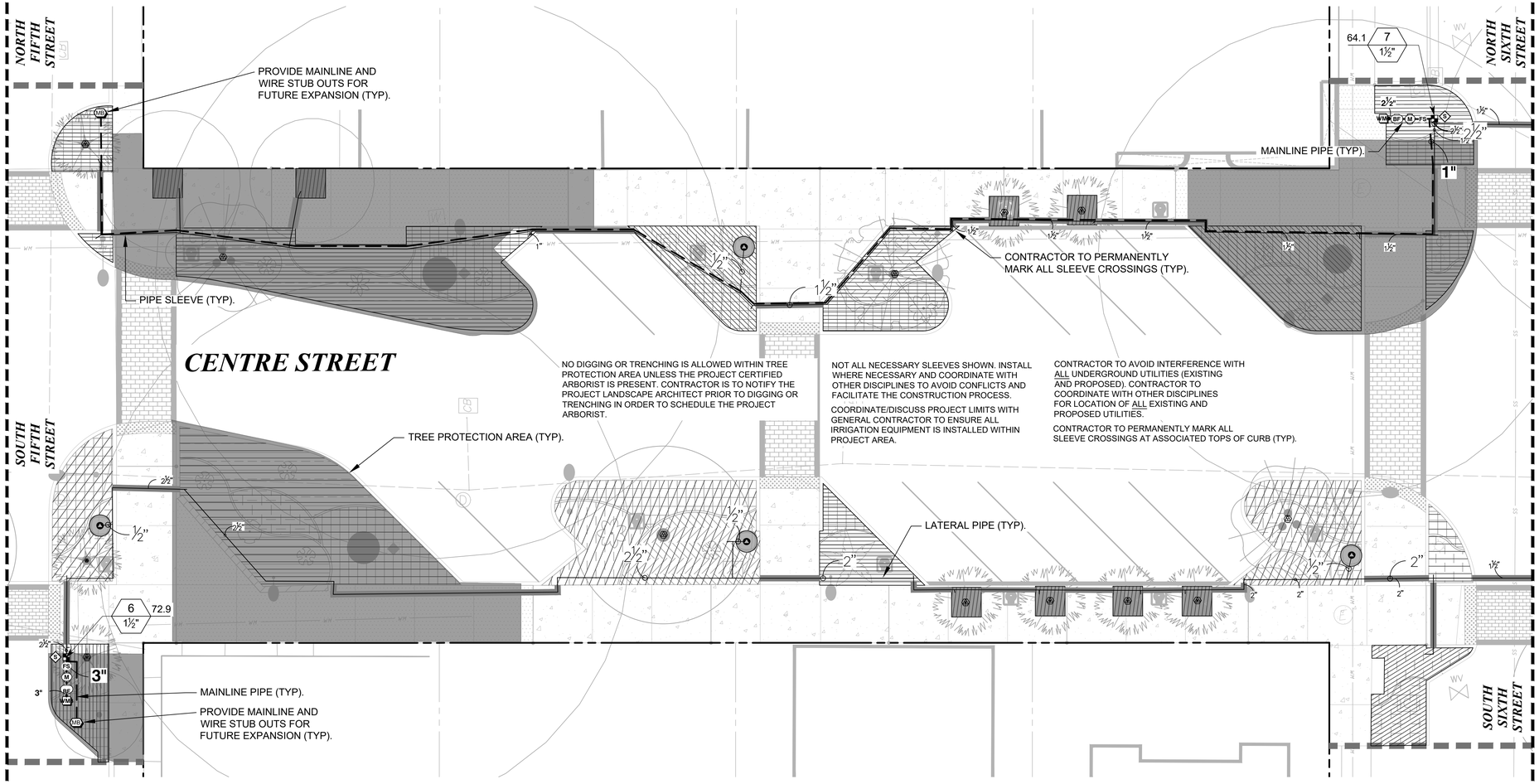
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.04 January 08, 2025 10:38:17am K:\JAX_LA\EP\142806005 — fernandina_beach_streetscape\working files\CAD\plan sheets\L2.00_IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



IRRIGATION SCHEDULE L2.05

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	9
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	2
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	2
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	2
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN

IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

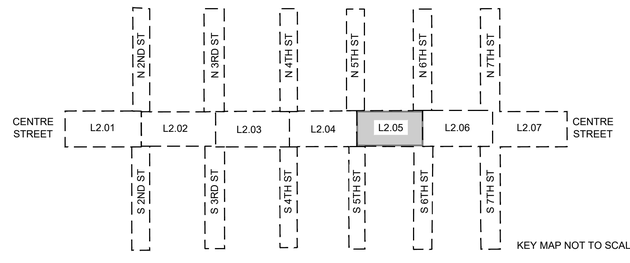
Valve Callout
Valve Number
Valve Flow
Valve Size

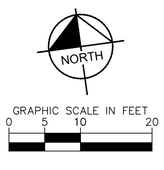
SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)

PIPE SIZE	SLEEVE SIZE
1"	2"
1 1/4"	4"
2"	4"
2 1/2"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG.
2. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
3. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.





No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

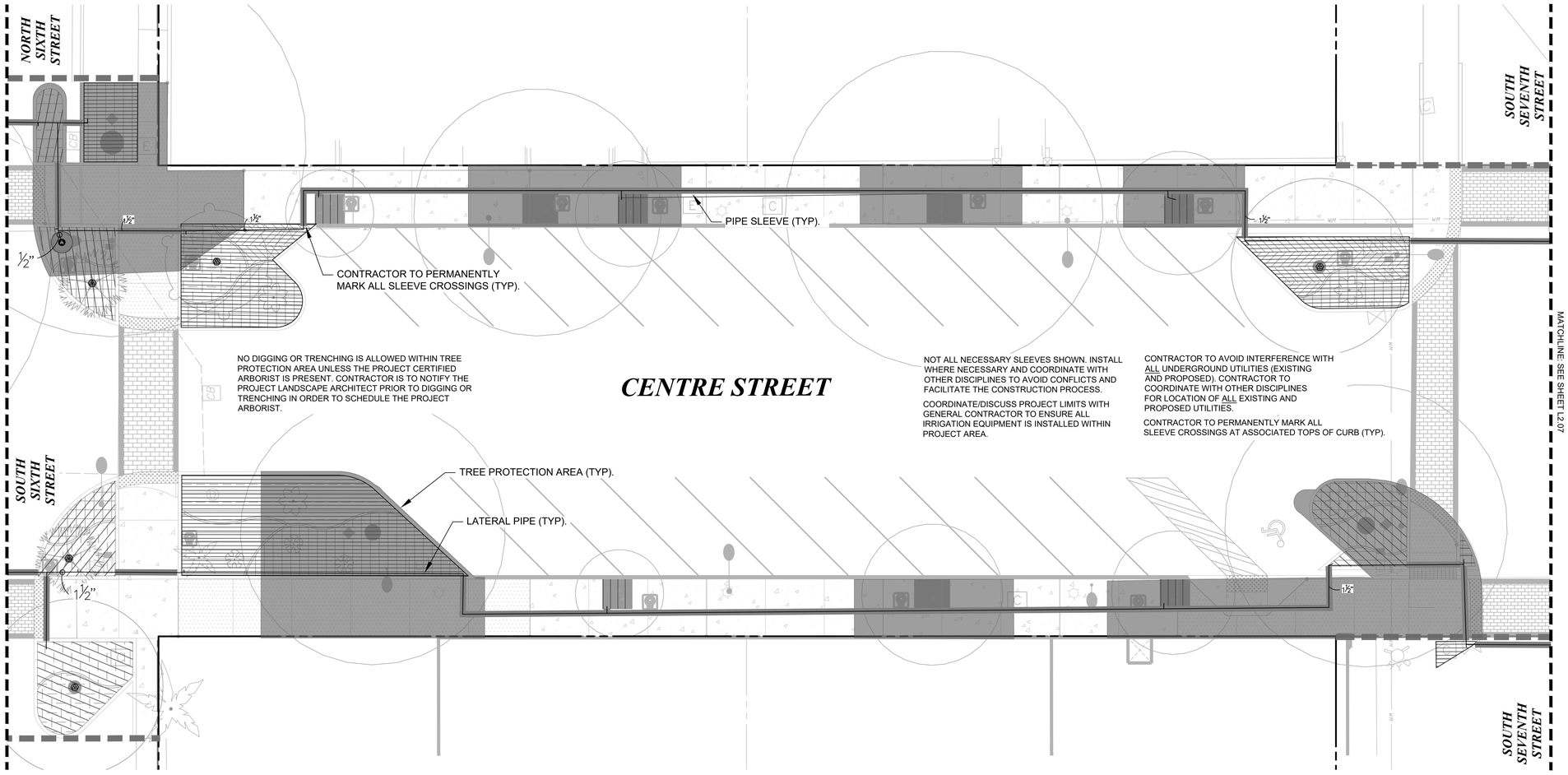
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.05 January 08, 2025 10:38:35am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



IRRIGATION SCHEDULE L2.06

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	2
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

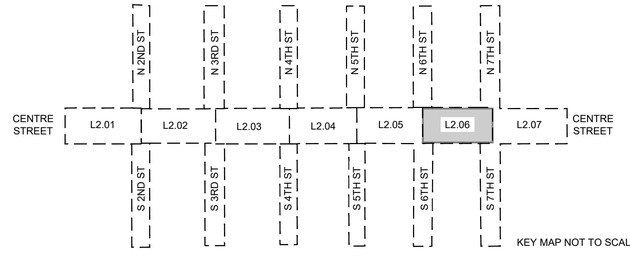
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout
- # — Valve Number
- # — Valve Flow
- # — Valve Size

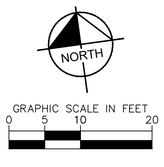
SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)	
PIPE SIZE	SLEEVE SIZE
1"	2"
1 ½"	4"
2"	4"
2 ½"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG.
2. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
3. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

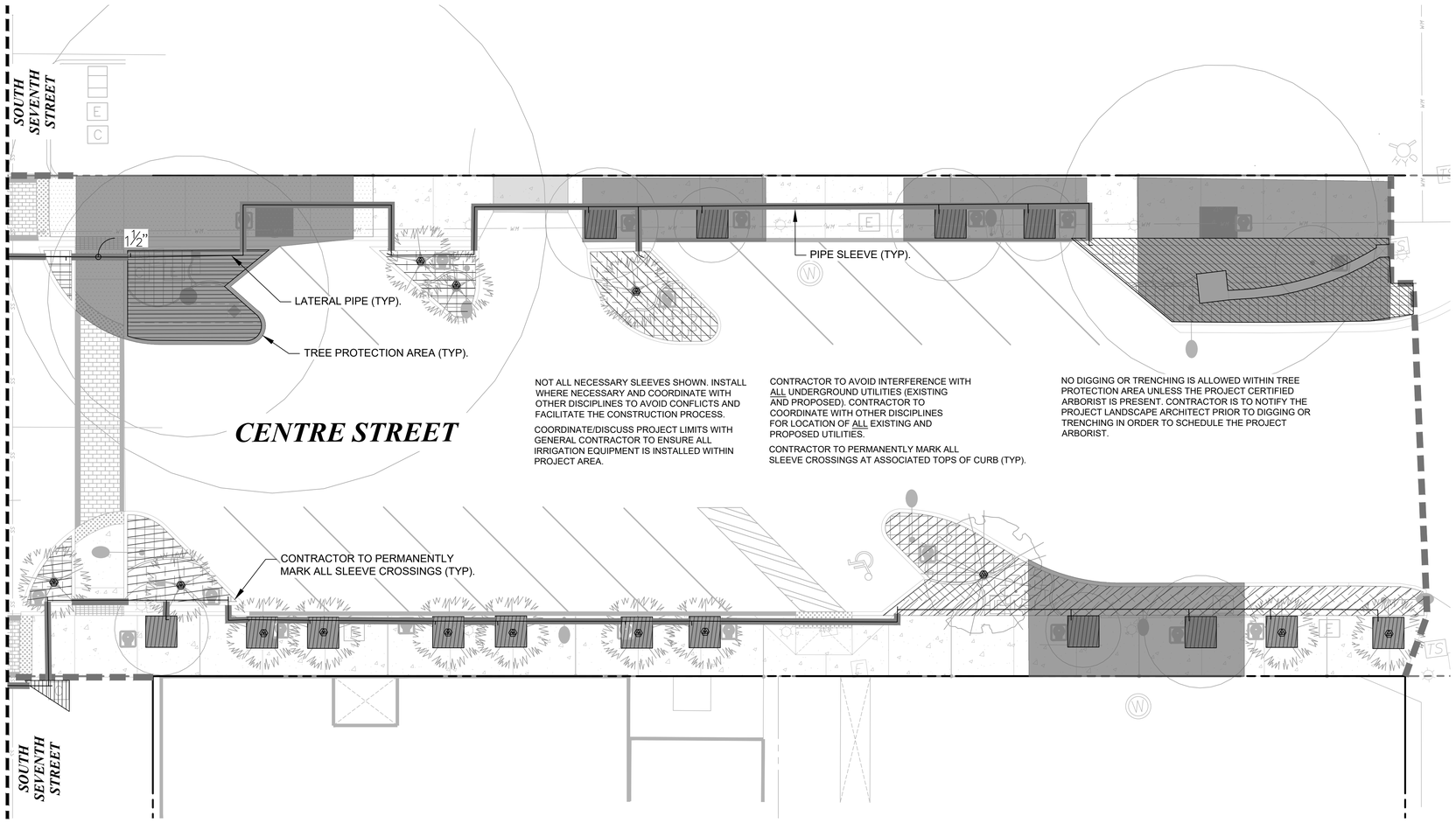
IRRIGATION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.06

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.06 January 08, 2025 10:38:52am K:\JAX_LAI\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



IRRIGATION SCHEDULE L2.07

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING PALM	11
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

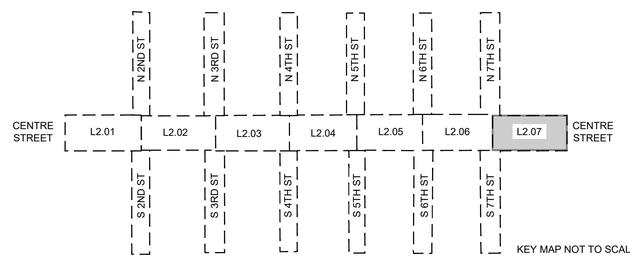
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout
#" — Valve Number
— Valve Flow
#" — Valve Size

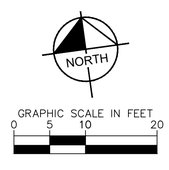
SLEEVING CHART

SLEEVE SIZE SCHEDULE (SCH 40)	
PIPE SIZE	SLEEVE SIZE
1"	2"
1 ½"	4"
2"	4"
2 ½"	6"
3", 4"	6"
6"	8"

NOTES:
1. ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG.
2. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
3. THE SITE PLANS HAVE BEEN CREATED TO ILLUSTRATE THE IMPROVEMENTS TO BE CONSTRUCTED. SPECIFIC LAYOUT, DIMENSIONS, AND OTHER INFORMATION ARE CONTAINED WITHIN OTHER PLAN SHEETS IN THIS SET.
4. REFER TO SHEET L2.08 FOR FULL IRRIGATION SCHEDULE.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.07

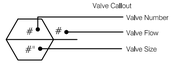
Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.07 January 08, 2025 10:39:07am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SCHEDULE L2.01

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	2
	RAIN BIRD XFCV-06-12 DRIP RING PALM	13
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	7
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



IRRIGATION SCHEDULE L2.02

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	3
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	8
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	3
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

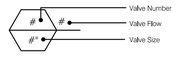
Valve Callout

IRRIGATION SCHEDULE L2.03

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	14
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	2
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
SEN	RAIN BIRD LXIVMSEN SENSOR DEVICE INTERFACES W/ FLOW OR WEATHER SENSOR AND ESP-LX-IVM(P) CONTROLLER. FLOW SENSOR CAN BE INSTALLED ANYWHERE ON THE 2-WIRE PATH.	1
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	4
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

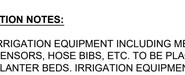


IRRIGATION SCHEDULE L2.04

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	5
	RAIN BIRD XFCV-06-12 DRIP RING PALM	7
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	5
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
C	RAIN BIRD ESPLXIVM 60 STATION, 2-WIRE CONTROLLER W/ SMART VALVE TECHNOLOGY. (1) ESPLXIVM 60-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT CABINET. SYSTEM REQUIREMENTS: RAIN BIRD LXIVM-XXX INTEGRATED VALVE MODULES & 2-WIRE DEVICES. USE PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LXIVMSD SURGE DEVICE IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	3
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

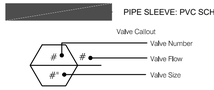


IRRIGATION SCHEDULE L2.05

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-150-LCS-IVM CONTRACTOR TO PURCHASE IVM-SOL SEPARATELY AND ADD TO DRIP KIT. HIGH FLOW CONTROL ZONE KIT WITH LOW MINIMUM INLET PRESSURE REQUIREMENTS, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2IN. PEB GLOBE VALVE WITH HIGH-CAPACITY FILTER AND PRESSURE REGULATING SYSTEM (PRS) FIXED AT 40PSI. FLOW RANGE: 20 - 62 GPM.	2
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	4
	RAIN BIRD XFCV-06-12 DRIP RING PALM	9
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	4
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
M BF	RAIN BIRD PEB-IVM 2" 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	2
	BACKFLOW 2" REDUCED PRESSURE BACKFLOW PREVENTER	2
S	RAIN BIRD LXIVMSOL INTEGRATED VALVE MODULE (DC LATCHING SOLENOID AND DECODER IN ONE) INTERFACES WITH ESPLXIVM(P) CONTROLLER AND VALVES/MASTER VALVES. COMPATIBLE WITH RAIN BIRD COMMERCIAL VALVES ONLY (PEB, PESB, PGA, EFB-CP).	2
FS	RAIN BIRD UFS-200 2IN. ULTRASONIC FLOW SENSORS, WITH GLASS FILLED NYLON BODY. OPERATING RANGE 1 GPM TO 200 GPM. SIZE FOR FLOW NOT ACCORDING TO PIPE SIZE.	2
MB	MAINLINE BOX PROVIDE MAINLINE AND WIRE STUB OUTS FOR FUTURE EXPANSION.	2
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

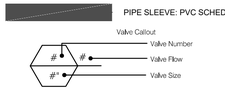


IRRIGATION SCHEDULE L2.06

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING IN POT	1
	RAIN BIRD XFCV-06-12 DRIP RING PALM	2
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout

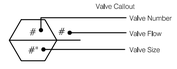


IRRIGATION SCHEDULE L2.07

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XFCV-06-12 DRIP RING PALM	11
	RAIN BIRD XFCV-06-12 DRIP RING SHADE TREE IN BED	3
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFCV-09-12 XFCV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	AS SHOWN

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS SHOWN
	PIPE SLEEVE: PVC SCHEDULE 40	AS SHOWN

Valve Callout



VALVE SCHEDULE CENTRE STREET

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PRECIP	TOTAL WATER	RUN TIME
1	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	73.32	33.8	1.44 in/h	0.75 in/h	32 min.
2	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	SPRAY	TBT	TBT	TBT	TBT	TBT
3	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	58.01	34.4	1.44 in/h	0.75 in/h	32 min.
4	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	54.69	33.9	1.44 in/h	0.75 in/h	32 min.
5	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	46.02	33.4	1.45 in/h	0.75 in/h	32 min.
6	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	72.92	36.6	1.44 in/h	0.75 in/h	32 min.
7	RAIN BIRD XCZ-150-LCS-IVM	1-1/2"	AREA FOR DRIPLINE	64.11	32.7	1.44 in/h	0.75 in/h	32 min.

NOTES:

1. IRRIGATION OF NEW LANDSCAPE IS ALLOWED AT ANY TIME OF DAY ON ANY DAY FOR THE INITIAL 30 DAYS AND EVERY OTHER DAY FOR THE NEXT 30 DAYS FOR A TOTAL OF ONE 60-DAY PERIOD, PROVIDED THAT THE IRRIGATION IS LIMITED TO THE MINIMUM AMOUNT NECESSARY FOR ESTABLISHMENT. UPON EXPIRATION OF THIS 60 DAY WINDOW, THE CONTRACTOR IS RESPONSIBLE FOR PROGRAMING THE CONTROLLER TO MEET SJRWMD REQUIREMENTS.
2. THIS SCHEDULE IS PROVIDED FOR CONVENIENCE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ADEQUATE WATERING TO ALL PLANT MATERIAL UNTIL ESTABLISHMENT HAS BEEN REACHED.
3. PROVIDED WATERING SCHEDULE IS PRODUCED BY LAND F/X SOFTWARE FOR SUGGESTED TIMES AFTER ESTABLISHMENT. SCHEDULE MAY VARY BASED ON FIELD CONDITIONS, LANDSCAPE CONTRACTOR TO PROVIDE OWNER WITH ALTERNATIVE WATERING SCHEDULE BASED ON TIME OF PLANTINGS.
5. LANDSCAPE CONTRACTOR TO FOLLOW WATERING SCHEDULE NEEDS BASED ON CHAPTER 40C-2, SUB SECTION 40C-2.042(2) OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT , PERMITTING OF CONSUMPTIVE USES OF WATER. (LISTED BELOW)
SUB SECTION 40C-2.042(2) AFTER ESTABLISHMENT WATERING SCHEDULE DURING DAYLIGHT SAVINGS TIME MAY ONLY OCCUR ON TUESDAYS AND FRIDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. DURING EASTERN STANDARD TIME WATERING SCHEDULE MAY ONLY OCCUR ON TUESDAYS, AND NOT BETWEEN THE HOURS OF 10AM- 4 PM. MAXIMUM RUN TIME FOR ANY ZONE IS 1 HOUR, AND THE MAXIMUM OUTPUT IS 3/4" PER RUN TIME.

IRRIGATION NOTES:

1. IRRIGATION EQUIPMENT INCLUDING METERS, VALVES, CONTROLLERS, RAIN SENSORS, HOSE BIBS, ETC. TO BE PLACED WITHIN PLANTER BEDS. IRRIGATION EQUIPMENT SHOWN ON SIDEWALK AND STREETS FOR CLARITY ONLY. CONTRACTOR TO VERIFY LOCATION WITH LANDSCAPE ARCHITECT BEFORE INSTALLATION.
2. REFER TO SLEEVING CHART FOR SLEEVE SIZING. ANY MAINLINES OR LATERALS INSTALLED WITHIN VEHICULAR AREAS SHALL BE DOUBLE SLEEVED.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CL01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION SCHEDULES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.08

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: L2.08 January 08, 2025 10:39:24pm K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\color sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

IRRIGATION SPECIFICATION AND NOTES

1. THE SYSTEM SHALL BE DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.

2. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL FIELD VERIFY.

3. CONTRACTOR TO FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.

4. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.

5. IRRIGATION DESIGN IS SCHEMATIC ONLY. FULL AND COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE OWNER'S REPRESENTATIVE.

6. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.

7. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. THE DRAWING SHALL INCLUDE ALL CHANGES MADE TO THE EXISTING IRRIGATION SYSTEM AND ALL NEWLY INSTALLED COMPONENTS INCLUDING ALL SPRINKLERS, STATING BODY TYPES AND NOZZLES, PIPE, INCLUDING SIZES AND THE ENDS OF SLEEVING LOCATIONS AS MEASURED FROM AT LEAST TWO FIXED OBJECTS, CONTROLLER AND WIRE ROUTING. THIS DRAWING MAY BE AN ADAPTATION OF THE IRRIGATION DESIGN WITH ANY CHANGES DRAFTED IN THIS DRAWING. THE DRAWING SHALL ALSO PROVIDE A MINIMUM OF TWO DIMENSIONS TAKEN FROM FIXED OBJECTS TO EACH AUTOMATIC VALVE AND MANUAL CONTROL VALVE. THE AS-BUILT DRAWING SHALL BE DRAWN TO SCALE, PRODUCED IN AUTOCAD OR OTHER DIGITAL DRAFTING PROGRAM, AND DELIVERED AS A PDF AND TWO PRINTED FULL SIZE COPIES.

8. IRRIGATION CONTRACTOR TO PROVIDE POWER SUPPLY TO ELECTRIC CONTROLLERS.

9. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.

10. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS, AS SPECIFIED.

11. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.

12. CONTRACTOR TO COORDINATE LOCATION OF ALL METERS AND BACKFLOW ASSEMBLIES WITH PROJECT OWNER.

13. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.

14. THE CONTRACTOR TO INSTALL PVC PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REVIEW CONSTRUCTION PLANS WITH THE OWNER'S REPRESENTATIVE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO HEAD LINE OR ZONE PLACEMENT.

15. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.

16. ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.

17. SLEEVES UNDER EXISTING PAVEMENT MUST BE DIRECTIONAL BORE. OPEN CUT IS NOT AN OPTION.

18. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.

19. THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR-CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.

20. ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS:

-RECTANGULAR 12"X17" HEAVY DUTY BOX. (PURPLE COVER FOR REUSE TO BE PROVIDED WHERE APPROPRIATE).

21. ALL UNSIZED PIPE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON PLAN. SEE LATERAL PIPE SIZING REQUIREMENTS.

22. EACH TREE AND PALM (AS SHOWN ON THE PLANS) SHALL HAVE A MIN 20 GALLON PER HOUR FLOOD BUBBLER. LOCATE BUBBLER ON THE UPHILL SIDE OF TREES ON ALL SLOPES.

23. ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED ONE (1) FOOT FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).

24. LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2'-0" FROM THE EDGE OF PAVEMENT OR CURB. BACKFLOW, MASTER VALVE, AND FLOW SENSOR SHALL BE A MINIMUM OF 2'-0" FROM BACK OF CURB OR PAVEMENT.

25. IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIPLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.

26. ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND AIR RELIEF VALVE UNLESS THE SPECIFIED DRIPLINE INCLUDES CHECKVALVES. DRIPLINE SHALL PROVIDE 0.9 GPH EMITTERS, 18" O.C. WITH 18" LINE SPACING AT A MINIMUM.

27. IRRIGATION CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL CONTROLLER AND SOIL SENSOR LOCATIONS. THE CONTROLLER SHALL BE PLACED IN A LOCKING CABINET IN THE MOST INCONSPICUOUS AREA APPROPRIATE FOR ITS LOCATION. (INDOOR VS. OUTDOOR USE)

28. CONTRACTOR SHALL PERFORM HYDRO-TESTING OF MAIN LINES.

HYDRO-TESTING TO BE PERFORMED AS LISTED:

THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF TESTING. PRIOR TO BACKFILLING, CONTRACTOR SHALL FILL PIPING WITH WATER, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, TAKING CARE TO PURGE THE AIR FROM IT. A SMALL, HIGH PRESSURE PUMP OR OTHER MEANS OF MAINTAINING A CONTINUOUS WATER SUPPLY SHALL BE CONNECTED TO THE PIPING AND SET SO AS TO MAINTAIN 125 PSI FOR TWO (2) HOURS WITHOUT INTERRUPTION. CONTRACTOR SHALL MAKE ANY NECESSARY CORRECTIONS AND RETEST THE SYSTEM UNTIL THE OWNER'S REPRESENTATIVE IS SATISFIED THAT THE SYSTEM IS REASONABLY SOUND.

29. ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL FOLLOW MANUFACTURERS SPECIFICATIONS. ALL CONTROL WIRE SHALL BE INSTALLED IN A 1-1/4" ELECTRICAL CONDUIT.

30. ALL UNIMPROVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR.

31. INSTALL ALL BACKFLOW PREVENTION DEVICES AND ALL PIPING BETWEEN THE POINT OF CONNECTION AND THE BACKFLOW PREVENTER AS PER LOCAL CODES. FINAL LOCATION SHALL BE DETERMINED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

32. COMMERCIAL LOTS ARE TO UTILIZE SMART IRRIGATION CONTROLLERS WITH SOIL MOISTURE METER SENSORS (SOIL MOISTURE SYSTEMS) TO DETERMINE OPTIMUM MOISTURE LEVELS, SHUT DOWN IRRIGATION, PREVENTING WATER WASTE. THE SOIL MOISTURE SYSTEM SHALL OPERATE AS A PERMISSIVE AND NOT AS A CALL-TO-RUN. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO INSTALL, TEST AND CERTIFY THE SOIL MOISTURE SYSTEM FOR PROPER INSTALLATION AND OPERATION PRIOR TO OCCUPANCY.

33. INSPECT THE CONSTRUCTION SITE BEFORE ANY WORK BEGINS AND FLAG LOCATIONS OF MAINLINE PIPE, SLEEVES, HEADS, AND VALVES FOR REVIEW BY THE OWNER'S REPRESENTATIVE. FLAGS SHALL BE CLEARLY MARKED OR COLORED TO DESIGNATE THE TYPE OF EQUIPMENT TO BE INSTALLED AT THAT POINT. INSTALLATION SHALL NOT COMMENCE UNTIL THE STAKING/FLAGGING HAS BEEN APPROVED.

34. PROVIDE A MINIMUM DEPTH OF COVER OF 18 INCHES FOR ALL MAIN LINE PIPE AND 12 INCHES OF COVER FOR ALL ZONE PIPE AS MEASURED FROM FINISH GRADE.

35. PROVIDE THE MINIMUM DEPTH OF COVER, AS SPECIFIED ABOVE, OVER THE TOP OF THE PIPE BEFORE THE TRENCH IS WHEEL-LOADED.

36. PROVIDE INITIAL BACK FILL MATERIAL THAT IS FINE-GRAINED MATERIAL FREE FROM COMPACTED EARTH GREATER THAN 2 INCHES IN DIAMETER, ROCKS, OR STONES.

37. TAMP THE BACK FILL IN LAYERS NOT TO EXCEED 6 INCHES. LIFT AND COMPACT FIRMLY AROUND THE PIPE AND UP TO AT LEAST 6 INCHES ABOVE THE TOP-OF-PIPE. SUFFICIENTLY MOISTEN THE BACK FILL TO PERMIT THROUGH COMPACTION UNDER AND ON EACH SIDE OF THE PIPE TO PROVIDE SUPPORT FREE FROM VOIDS. AVOID DEFORMING, DISPLACING, OR DAMAGING THE PIPE DURING THIS PHASE OF THE OPERATION. ENSURE THAT WHEN FINISHED, THE SOIL COMPACTION EQUALS THE ORIGINAL CONDITION.

38. SQUARE CUT, CLEAN, AND PIPE ALL JOINTS BEFORE CEMENTING. FULLY ENGAGE ALL JOINTS WHILE CEMENTING. PVC FITTINGS: MAKE ALL SOLVENTS WELD JOINTS IN ACCORDANCE WITH ASTM D2855. PRIME ALL FITTINGS WITH PURPLE PRIMER BEFORE MAKING SOLVENT WELD CONNECTIONS. ALLOW SOLVENT-WELDED JOINTS AT LEAST 1 HOUR TO SET UP BEFORE MOVING OR HANDLING. DO NOT PERMIT WATER IN THE PIPE FOR AT LEAST 24 HOURS AFTER MAKING A SOLVENT WELD ON THAT PIPE UNLESS RECOMMENDED OTHERWISE BY THE SOLVENT CEMENT MANUFACTURER. SEAL ALL THREADED PVC FITTINGS WITH LIQUID TEFLON EXCEPT SPRINKLER HEADS, ELECTRIC VALVE CONNECTIONS, AND SWING JOINTS. INSTALL ALL OF THESE EXCEPTIONS USING 1-INCH TEFLON TAPE.

39. FLUSH ALL PIPELINES BEFORE SPRINKLERS ARE INSTALLED. MAINTAIN A MINIMUM PIPE VELOCITY OF 3 FEET PER SECOND AND FLUSH FOR A MINIMUM TIME OF: T = 2L/3 WHERE T = TIME IN SECONDS AND L = PIPE LENGTH IN FEET FROM INLET POINT TO MOST DISTANT POINT IN THE PIPELINE.

40. INSTALL WIRING IN THE SAME TRENCH AND ALONG THE SAME ROUTE AS AND UNDERNEATH THE MAIN LINE EXCEPT IN LOCATIONS WHERE THE WIRE WILL PASS UNDER PAVING. AT THOSE LOCATIONS, INSTALL THE WIRE INSIDE A PVC SLEEVE. INSTALL CONTROL WIRING THROUGH WALLS, FLOORS, AND SLABS IN PVC SLEEVES.

41. USE UL UF WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS. USE RED #14 AWG WIRE FOR ALL VALVE POWER WIRES. USE WHITE #14 AWG WIRE FOR ALL VALVE COMMON WIRES. USE #14 OR LARGER TWISTED SHIELDED PAIR WIRE FOR ALL TWO-WIRE APPLICATION ON THIS SYSTEM. USE 5/8" OR LARGER COPPER GROUND RODS, COPPER GROUNDING PLATES, CADWELD "ONE SHOT" CONNECTORS AND #6 OR LARGER BARE COPPER WIRE FOR ALL GROUNDING APPLICATIONS FOR THIS SYSTEM. INSTALL GROUNDING AT THE CONTROLLER, ALL DECODER LOCATIONS, AND ALL TERMINATIONS OF THE TWO-WIRE SYSTEM.

42. THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE IN ADVANCE THAT EACH ITEM IS READY FOR INSPECTION AS INDICATED BELOW:

A. FLAGGED UNDERGROUND MAINLINE PIPING, SLEEVES, SPRINKLER AND VALVE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION - NOTIFY 48 HOURS IN ADVANCE.

B. SPRINKLER COVERAGE TEST - NOTIFY 48 HOURS IN ADVANCE.

C. FINAL INSPECTION - NOTIFY 48 HOURS IN ADVANCE.

42. THE CONTRACTOR SHALL ISSUE TO THE OWNER OR OWNER'S REPRESENTATIVE A CERTIFICATE OF WARRANTY OF THE IRRIGATION SYSTEM FOR A PERIOD OF NOT LESS THAN 1 YEAR ON ALL SPRINKLERS, VALVES, THE CONTROLLER, AND THE CONTRACTOR'S LABOR.

43. SUPPLY TO THE OWNER ALL INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING AND ELECTRICAL-RELATED EQUIPMENT, BOUND IN ONE FOLDER. FURNISH THE OWNER WITH ANY KEYS FOR LOCKABLE ITEMS ON THIS SYSTEM.

44. ENSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPE AREAS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING THE INSTALLATION.

45. ALL APPLICABLE CODES SHALL TAKE PRECEDENCE OVER THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFFER TO CO.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

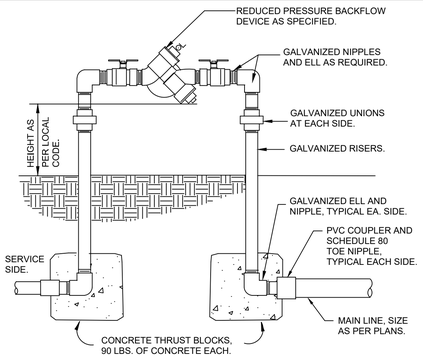
IRRIGATION NOTES

FERNANDINA BEACH STREETSCAPE
IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

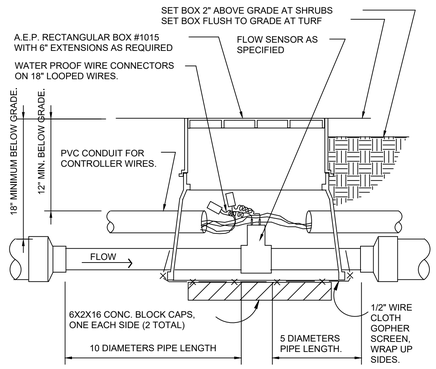
SHEET NUMBER
L2.50

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.50 January 08, 2025 10:39:26am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



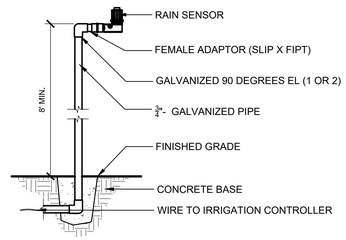
1 REDUCED PRESSURE BACKFLOW DEVICE

1" = 1'-0" L-IR-BAC-03



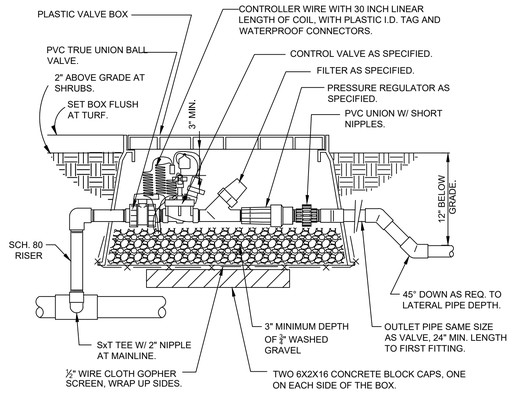
2 FLOW SENSOR ASSEMBLY

NTS L-IR-SEN-01



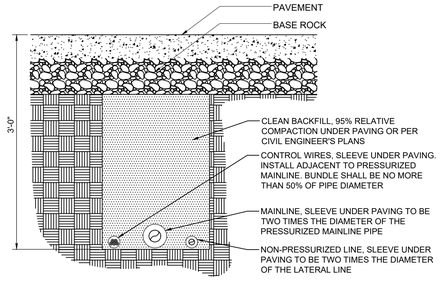
3 RAIN SENSOR- POLE MOUNT

SECTION NTS



4 REMOTE CONTROL VALVE (DRIP)

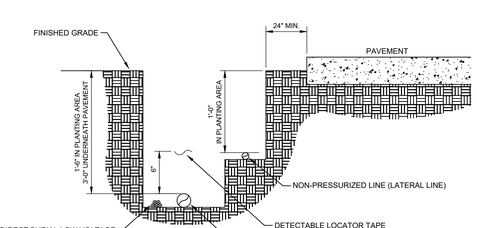
NTS L-IR-DRI-05



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE.
2. ALL SLEEVES SHALL BE SCH. 200 PVC PIPE.
3. ALL SLEEVES SHALL EXTEND 12" BEYOND THE EDGE OF PAVEMENT.
4. END OF SLEEVES SHALL BE LOCATED WITH A WOODEN STAKE OR PVC PIPE. LOCATORS SHALL RUN CONTINUOUSLY FROM THE END OF THE SLEEVE TO FINISHED GRADE.

5 TYPICAL IRRIGATION SLEEVING

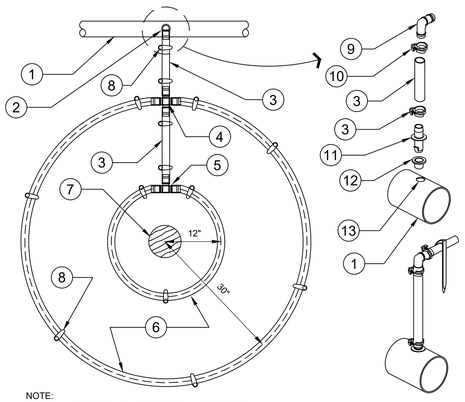
L-IR-EQU-03



NOTES
1. SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
2. SLEEVING IS REQUIRED AS SHOWN ON PLAN.
3. DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

6 IRRIGATION TRENCHING

NTS L-IR-EQU-10

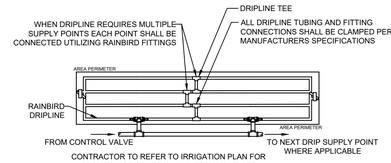


NOTE:
PLACE TIE DOWN STAKES EVERY 3 FT. IN SAND, 4 FT. IN LOAM, AND 5 FT. IN CLAY, AS WELL AS AT ALL CHANGE OF DIRECTION SUCH AS AT TEES OR ELLS.

DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL

7 TYPICAL DRIP IRRIGATION

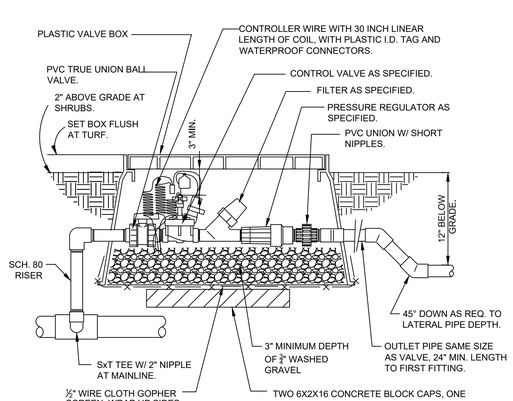
NTS L-IR-DRI-25



CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS.

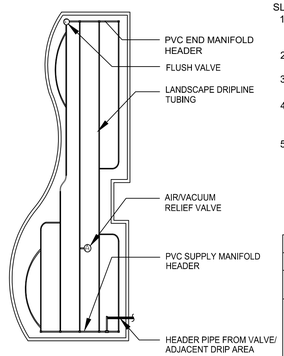
NOTE
1. DRIP TUBING TO BE ROUTED IN THE PLANT MATERIAL BED WITH AT MAXIMUM LATERAL SPACING OF 16 INCHES.
2. DRIP TUBING TO BE INSTALLED IN A GRID PATTERN. DRIP TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.
3. INSTALL WITH AIR RELIEF VALVE, OPERATION INDICATOR AND FLUSH VALVE. INSTALL ALL UNDERGROUND EQUIPMENT IN 12" ROUND VALVE BOX.

1. LATERAL SUPPLY PIPE, SEE PLAN.
2. DRIPLINE CONNECTION TO BELOW GRADE LATERAL PIPE, SEE DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL (TYPICAL CONDITION).
3. POLYETHYLENE TUBING SEE PLAN FOR SIZING.
4. BARB CROSS INSERT FITTING.
5. BARB TEE INSERT FITTING.
6. AT-GRADE DRIPLINE, INNER RING 12" FROM PLANT, OUTTER RING 30" FROM PLANT. DRIPLINE AS SPECIFIED ON PLAN.
7. PLANT TRUNK.
8. TYPICAL ANTELCO ASTA TIE-DOWN STAKE, SEE NOTE.
9. DRIPLINE BARBED INSERT ELL.
10. RATCHET CLAMP AT ALL BARBED CONNECTIONS, ANTELCO PART NO. 44345.
11. INSERT ADAPTER, ANTELCO "XPANDO" PART NO. 45595.
12. ANTELCO "CAPO: RUBBER GROMMET, NO. 45735.
13. DRILL 5/8" HOLE IN PVC LATERAL PIPE WHERE REQUIRED. YOU MUST USE A "FORSTNER" DRILL BIT FOR DRILLING INTO PVC. REMOVE ANY EXCESS BURRS OR ROUGH EDGES.



8 REMOTE CONTROL VALVE (DRIP)

NTS JAX-O9-05



SLOPE CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP 2/3 OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM 1/3 OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM 1/3 ON A SEPARATE VALVE.

MAXIMUM LATERAL LENGTH (FEET)	
EMITTER FLOW RATE GPH	
PSI	18" SPACING 0.6
15	314
20	353
30	413
40	465
50	528
60	596

9 TYPICAL DRIPLINE LAYOUT

NTS JAX-O9-27

10 TREE RING DRIPLINE IRRIGATION

N.T.S. JAX-O9-04

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO CO.01 SIGNATURE SHEET

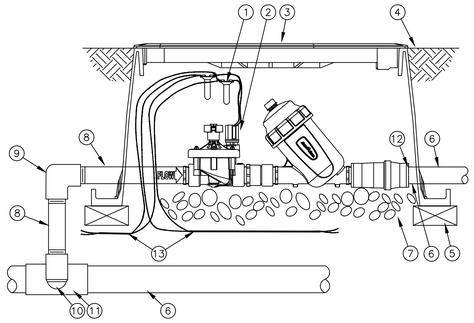
KHA PROJECT 142806005	
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
L2.51

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.51 January 08, 2025 10:39:31am K:\JAX_LA\LP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

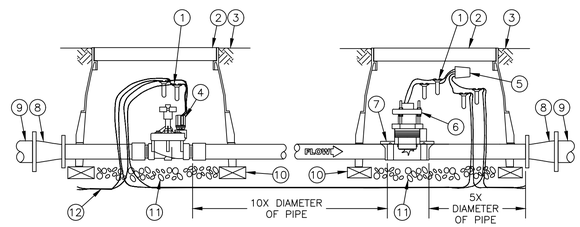


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. THE LCDR KIT INCLUDES A PESB-R VALVE AND DISC FILTER FOR RECLAIMED WATER USE.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20 (TWO REQUIRED)
2. RAIN BIRD DRIP KIT: XCZ-150-LCDR WITH IVM-SOL
3. VALVE BOX WITH COVER: RAIN BIRD VB-JUMBO
4. FINISH GRADE OR TOP OF MULCH
5. BRICK (1 OF 4)
6. PVC PIPE
7. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
8. PVC SCH 80 NIPPLE 1 1/2"
9. PVC SCH 80 ELBOW
10. PVC SCH 80 NIPPLE (2" LENGTH, HIDDEN) AND PVC SCH 80 ELBOW
11. PVC SCH 80 TEE OR ELBOW
12. PVC SCH 40 MALE ADAPTER
13. TWO-WIRE CABLE BETWEEN DEVICES

1 XCZ-150-LCDR WITH IVM-SOL

NTS JAX-09-20



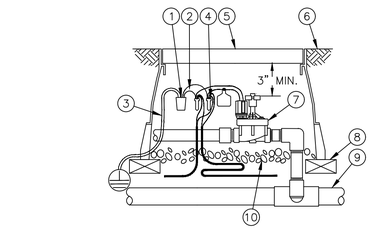
NOTE:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.

1. WATERPROOF SPLICE CONNECTION: RAIN BIRD WC20
2. VALVE BOX WITH COVER: RAIN BIRD VB-STD
3. FINISH GRADE/TOP OF MULCH
4. NORMALLY CLOSED MASTER VALVE: RAIN BIRD PEB OR PGA WITH IVM
5. RAIN BIRD IVM-SEN
6. FLOW SENSOR: RAIN BIRD FS SERIES
7. DOUBLE-STRAP SADDLE
8. CONCENTRIC REDUCER
9. PVC MAINLINE PIPE
10. BRICK (1 OF 4)
11. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
12. TWO-WIRE CABLE BETWEEN DEVICES

NOTE:
1. REFER TO RAIN BIRD TECHNICAL DATA FOR FLOW SENSOR INSTALLATION BASED ON PIPE SIZING PARAMETERS.

2 MASTER VALVE WITH IVM-SOL AND FLOW SENSOR WITH IVM-SEN

NTS JAX-09-19

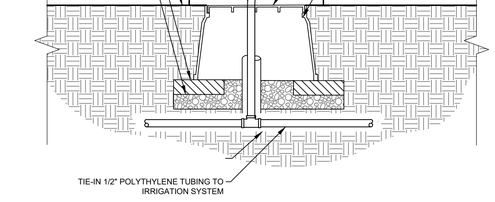


NOTES:
1. COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.
2. ONE IVM-SD IS REQUIRED EVERY 500 FEET OR EVERY 15 FIELD DEVICES.

1. RAIN BIRD IVM-SD SURGE DEVICE
2. CONNECT THE RED AND BLACK WIRES ON THE IVM-SD TO THE TWO-WIRE PATH
3. CONNECT THE GREEN WIRES FROM THE IVM-SD TO THE GROUNDING ROD OR PLATE
4. WATERPROOF CONNECTION RAIN BIRD WC20 (TWO REQUIRED)
5. VALVE BOX WITH COVER: RAIN BIRD VB-STD
6. FINISH GRADE/TOP OF MULCH
7. ELECTRIC REMOTE-CONTROL VALVE
8. BRICK (1 OF 4)
9. PVC MAINLINE PIPE
10. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
11. TWO-WIRE CABLE BETWEEN DEVICES

3 ELECTRIC REMOTE-CONTROL VALVE WITH IVM-SOL AND IVM-SD (SURGE DEVICE)

NTS JAX-09-18



4 DRIP RING IN PLANTER

NTS JAX-FE-24

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	ZRF
CHECKED BY:	MAJ

IRRIGATION DETIALS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
L2.52

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:L2.52 January 08, 2025 10:39:36am K:\JAX_LAI\PV\142806005 — fernandina beach streetscape\working files\CAD\xlsx sheets\L2.00 IRRIGATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL NOTES:

1. THE SUBMISSION OF A BID BY THE CONTRACTOR IS NOTIFICATION THAT THE CONTRACTOR HAS TOTALLY FAMILIARIZED HIMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING SITE CONDITIONS AND HAS AGREED TO PROVIDE THE NECESSARY LABOR AND MATERIAL FOR THE COMPLETE INSTALLATION OF EACH SYSTEM IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST PRACTICES OF THE INDUSTRY AND IN COMPLIANCE WITH ALL AUTHORITIES HAVING JURISDICTION.
2. THESE DRAWINGS ARE PRESENTED TO THE CONTRACTOR WITH THE UNDERSTANDING THAT THE CONTRACTOR IS AN EXPERT AND COMPETENT IN THE PREPARATION OF CONTRACT BID PRICES ON THE BASIS OF INFORMATION SUCH AS IS CONTAINED IN THESE DOCUMENTS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION AND IN COMPLETE CONFORMANCE WITH ALL APPLICABLE CODES, RULES, AND REGULATIONS. MINOR ITEMS NOT USUALLY SHOWN OR SPECIFIED, BUT MANIFESTLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE VARIOUS SYSTEMS, SHALL BE INCLUDED IN THE WORK AND IN THE PROPOSAL THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO DEPARTURES SHALL BE MADE WITHOUT PRIOR APPROVAL.
3. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.
4. THE DRAWINGS INDICATE ARRANGEMENTS AND APPROXIMATE SIZES AND RELATIVE LOCATIONS OF PRINCIPAL APPARATUS, EQUIPMENT, DEVICES, AND SERVICES TO BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND ARE A GRAPHIC REPRESENTATION OF CONTRACT REQUIREMENTS BASED ON THE INFORMATION PROVIDED BY THE MANUFACTURER IDENTIFIED IN THE EQUIPMENT SCHEDULE AT THE SCALE INDICATED.
5. LAYOUT OF EQUIPMENT INDICATED ON THE DRAWINGS SHALL BE CHECKED AND COMPARED AGAINST ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND EXACT LOCATIONS DETERMINED USING APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT. WHERE PHYSICAL INTERFERENCES OCCUR, CONSULT WITH THE OWNER AND PREPARE DATED, DIMENSIONED DRAWINGS COORDINATED WITH ALL OTHER TRADES WORKING IN THIS AREA AND CORRECTING SUCH INTERFERENCE.
6. THE CONTRACTOR SHALL SCHEDULE THEIR WORK IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE SO THAT ALL OF THEIR WORK CAN BE INSTALLED WITHOUT DELAYING THE PROJECT. ALL WORK RELATED TO SHUTDOWN OF EXISTING SERVICES SHALL BE PERFORMED AT THE HOURS DESIGNATED BY THE OWNER WITH ALL ASSOCIATED COSTS BORNE BY THE CONTRACTOR AT NO COST TO THE OWNER. PROVIDE ANY TEMPORARY FACILITIES REQUIRED TO PERMIT OWNER'S USE OF EXISTING FACILITIES AND SYSTEMS TO REMAIN UNDISTURBED. COORDINATE ALL WORK, INCLUDING ALL SHUTDOWNS THAT AFFECT SYSTEMS AND/OR PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION, WITH OWNER.
7. THE CONTRACTOR SHALL SECURE AND PAY ALL FEES, LICENSES, INSPECTIONS, AND PERMITS PERTAINING TO THE CONTRACT. SUBMIT TO OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM APPROVED INSPECTION AGENCY.
8. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORKMEN'S IDENTIFICATION AND BADGING, SAFETY AND FIRE PROTECTION, BARRICADES, WARNING SIGNS, TRASH REMOVAL, CUTTING AND PATCHING.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND WITHOUT BLEMISH OR DEFECT. ALL EQUIPMENT INSTALLED SHALL BEAR THE LABEL OF AN APPROVED AGENCY.
11. THE CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT, AND TRANSFER TO POINT OF INSTALLATION FOR ALL FURNISHED ITEMS.
12. WHERE CONDUIT, CABLES, DUCTWORK, OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE PENETRATION SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THIS SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER TO MAINTAIN THE UL LISTED FIRE RATING OF THE PENETRATED WALL OR FLOOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB OPENINGS, WALL OPENINGS, BEAM PENETRATIONS, AND CORING AS IT RELATES TO THEIR WORK. THE CONTRACTOR SHALL SUBMIT SIZE AND LOCATION FOR REVIEW AND APPROVAL.
14. ALL EXTERIOR WALL OPENINGS SHALL BE SLEEVED, PROPERLY CAULKED, AND SEALED WITH A HIGH QUALITY SEALANT TO PREVENT INFILTRATION OF MOISTURE AND OUTSIDE AIR.
15. THE CONTRACTOR SHALL SUBMIT SCHEDULE OF SUBMITTALS PRIOR TO SUBMITTING ANY SHOP DRAWINGS, ETC. TO BE SUBMITTED FOR THIS PROJECT, INCLUDING THE ANTICIPATED DATE OF EACH SUBMISSION. CONTRACTORS SHALL SUBMIT AN ELECTRONIC COPY OF THE COMPLETE SHOP DRAWINGS AND CATALOG CUTS, WIRING DIAGRAMS AND ASSOCIATED DATA TO THE OWNER FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT OR STARTING ANY WORK. ANY WORK INSTALLED OR EQUIPMENT PURCHASED PRIOR TO RECEIPT OF OWNER APPROVED SUBMITTALS SHOP DRAWINGS THAT REQUIRES CHANGES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
16. SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE CONTRACTOR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS.
17. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL SUPPLY THE OWNER WITH (3) COMPLETE BOUND COPIES OF ALL OWNER APPROVED SUBMITTALS AND ALL OPERATION AND MAINTENANCE MANUALS
18. ALL WORK FURNISHED UNDER THE CONTRACT SHALL BE GUARANTEED AGAINST ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION, UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS, AND ANY DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED AND ANY DEFECTIVE MATERIAL REPLACED WITHOUT ADDITIONAL COST TO THE OWNER.
19. INSTALLED SYSTEMS SHALL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT SOUND OR VIBRATION THAT IS OBJECTABLE TO THE OWNER, OBJECTABLE SOUND OR VIBRATION CONDITIONS DUE TO WORKMANSHIP SHALL BE CORRECTED IN APPROVED MANNER BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
20. THE CONTRACTOR SHALL SIMILARLY NOTIFY OWNER OF COMPLETION OF ALL WORK, INDICATING THE CONTRACTOR IS READY FOR THE OWNER TO PERFORM THE FINAL PUNCHLIST INSPECTION.
21. UPON COMPLETION OF ALL UNFINISHED OR FAULTY WORK NOTED IN THE OWNER'S FINAL PUNCH LIST, THE CONTRACTOR SHALL SUBMIT TO THE OWNER IN WRITING A LETTER OF COMPLETION CERTIFYING THAT ALL PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ALL AS-BUILTS, MANUALS, ETC. HAVE BEEN SUBMITTED.
22. SHOULD A CONTRACTOR REQUIRE REMOVAL, RELOCATION, OR REROUTING OF ANOTHER TRADE'S WORK THAT IS NOT INDICATED ON DRAWINGS, THE CONTRACTOR REQUIRING SUCH WORK SHALL BE RESPONSIBLE FOR THAT WORK, AND PAY ALL REQUIRED COSTS.
23. ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEMS, EQUIPMENT, AND MATERIALS SHALL BE REVIEWED WITH THE OWNER BEFORE BEGINNING WORK.
24. DEFINITION: UNLESS OTHERWISE NOTED, ALL WORK SPECIFIED HEREIN OR NOTED ON DRAWINGS, SHALL BE BY THE CONTRACTOR. THE TERM "PROVIDE" WHENEVER ENCOUNTERED ON DRAWINGS OR IN THESE SPECIFICATIONS, SHALL MEAN "FURNISH AND INSTALL."
25. CODES AND STANDARDS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND FIRE INSURANCE CARRIER'S REQUIREMENTS.
26. MATERIALS: ALL MATERIALS FURNISHED BY THIS CONTRACTOR, SHALL BE NEW AND BEAR THE LABEL OR LISTING OF A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.
27. OUTLET AND SWITCH BOXES: PROVIDE AND INSTALL OUTLET BOXES OF PROPER TYPE AND SIZE AS REQUIRED AT ALL OUTLETS WHERE SHOWN. SECURED FIRMLY IN PLACE AND SET TRUE AND SQUARE AND FLUSH WITH THE FINISHED SURFACE.
28. WIRING: WIRES SHALL BE COPPER AND RATED FOR THE LOCATIONS IN WHICH THEY ARE INSTALLED. ALL RACEWAYS ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION TO BE DETERMINED ON THE JOB. CONTRACTOR SHALL ARRANGE ALL NEW CIRCUITS IN PANELS SO AS TO BALANCE THE LOAD ON ALL PHASES.
29. A TYPED DIRECTORY CARD SHALL BE PROVIDED IN EACH PANEL WITH ADDED CIRCUITS TO INDICATE THE LOADS ACTUALLY SERVED.
30. GROUNDING: SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 250. PROVIDE GROUND WIRES AS REQUIRED AND RESIZE CONDUIT IF NECESSARY.
31. DEMONSTRATION OF COMPLETE ELECTRICAL SYSTEMS: UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF APPROVAL FROM THE RESPECTIVE INSPECTION AGENCIES. CONTRACTOR SHALL NOTIFY AND MAKE ALL THE NECESSARY ARRANGEMENTS WITH THE INSPECTING AGENCY AND LOCAL AUTHORITIES SO THAT INSPECTION MAY BE CARRIED OUT AT THE PROPER TIME.

LEGEND

SYMBOL	TYPE	MODEL NUMBER	MOUNTING HEIGHT	MOUNTING TYPE	DESCRIPTION	WATTAGE
	TYPE T1	CN55P1A-FGC-T3MB1A-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T2	SN21P1-FGC-T1-P10-30K	14'	POLE MOUNTED	SINGLE	22W
	TYPE T3	CN55P1A-FGC-T3HS-P50-30K	18.5'	POLE MOUNTED	SINGLE	64W
	TYPE T4	DSX1-LED-P3-30K-80CRI-T4M-MVOLT -SPA-PER7-DBLXD	18.5'	POLE MOUNTED	SINGLE	N/A
E	NEW PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
C	NEW COMMUNIATIONS PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	LOAD CENTER (LC)	LOAD CENTER	N/A	N/A	N/A	N/A
	EXISTING PULL BOX	PULL BOX	N/A	N/A	N/A	N/A
	RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	NEW RECEPTACLE BOLLARD	RECEPTACLE BOLLARD	N/A	N/A	N/A	N/A
	RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A
	SPECIAL RECEPTACLE	RECEPTACLE	N/A	N/A	N/A	N/A

COMMUNICATION CONDUIT

ELECTRICAL CONDUIT

UGE EXISTING ELECTRICAL CONDUIT

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: JM
CHECKED BY: MAJ

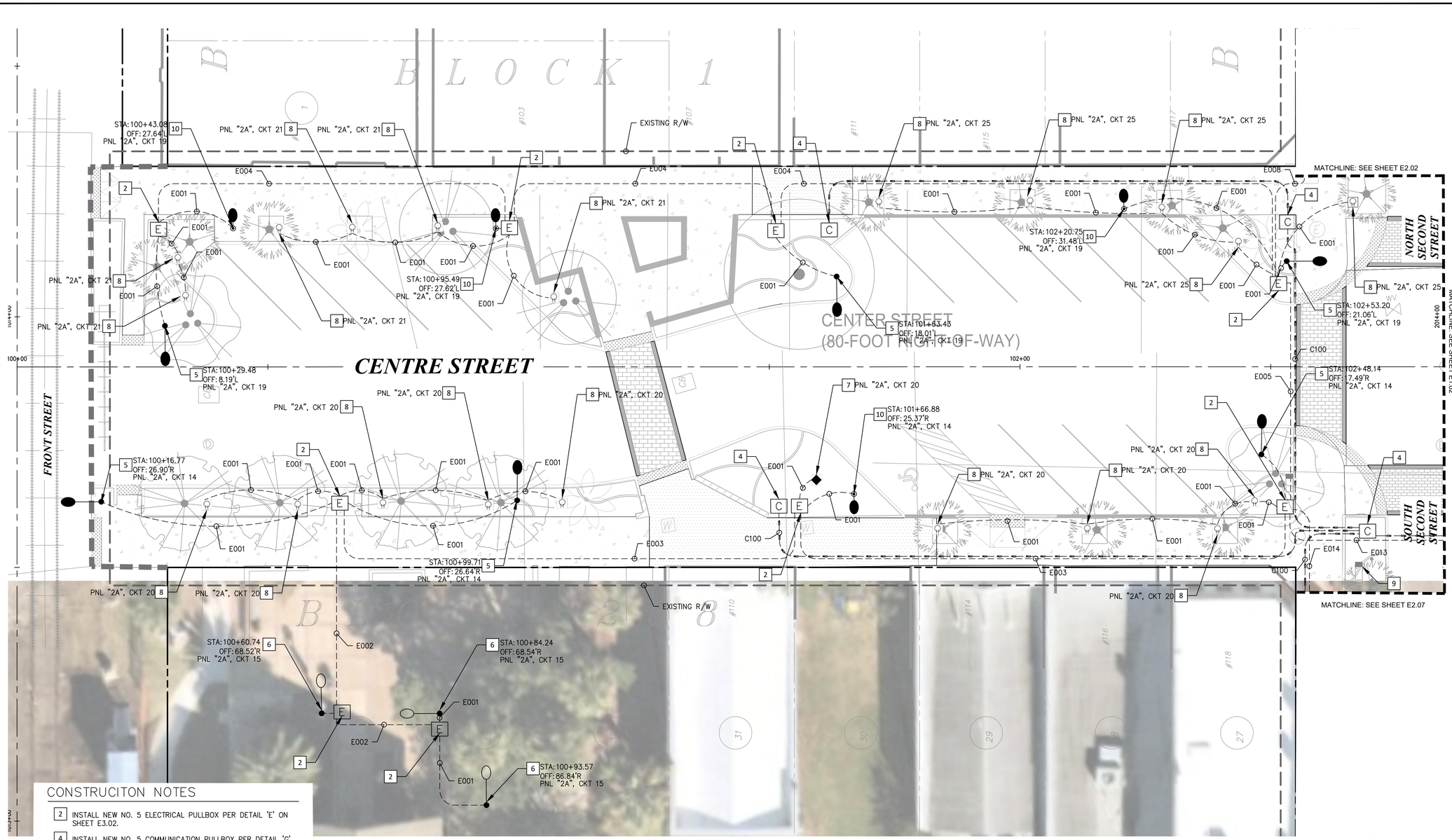
GENERAL NOTES

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

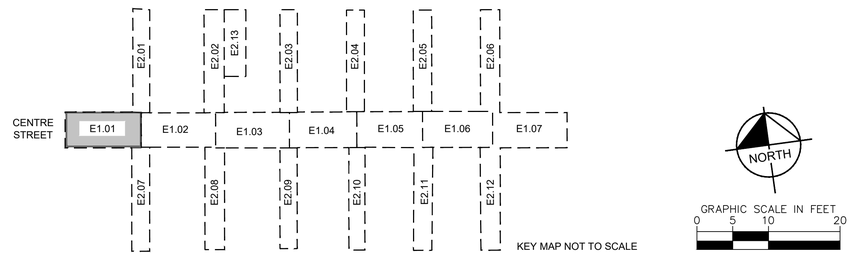
SHEET NUMBER
E0.00

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E0.00 January 08, 2025 10:39:56am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCITON NOTES

2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
5. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
6. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
7. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP WITH ABOVE GROUND CONDUIT. SEE DETAIL A ON PAGE E3.01.
8. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.
9. EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.
10. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: JM	CHECKED BY: MAJ

LIGHTING PLAN

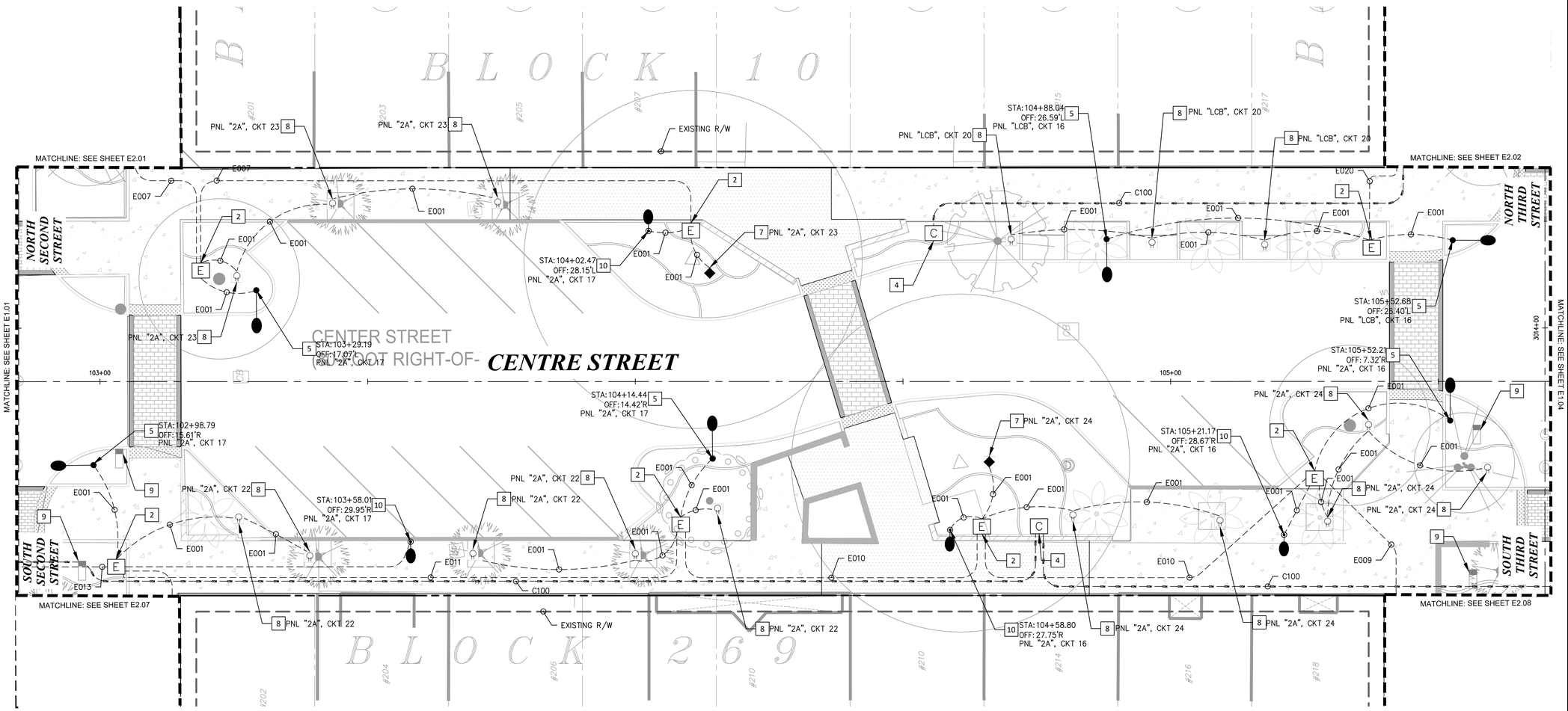
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

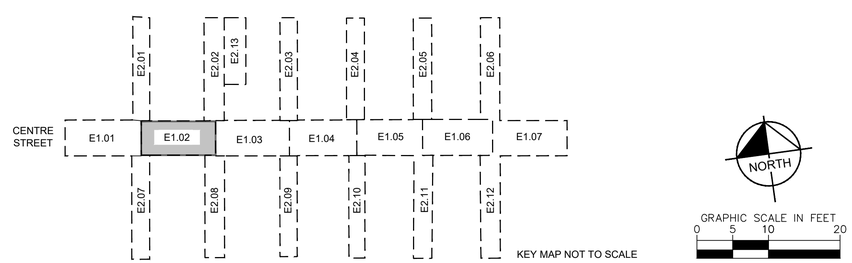
SHEET NUMBER
E1.01

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E1.01 January 08, 2025 10:40:13am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCTION NOTES

2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
5. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
7. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP WITH ABOVE GROUND CONDUIT. SEE DETAIL A ON PAGE E3.01.
8. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.
9. EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.
10. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CD.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	JM
CHECKED BY:	MAJ

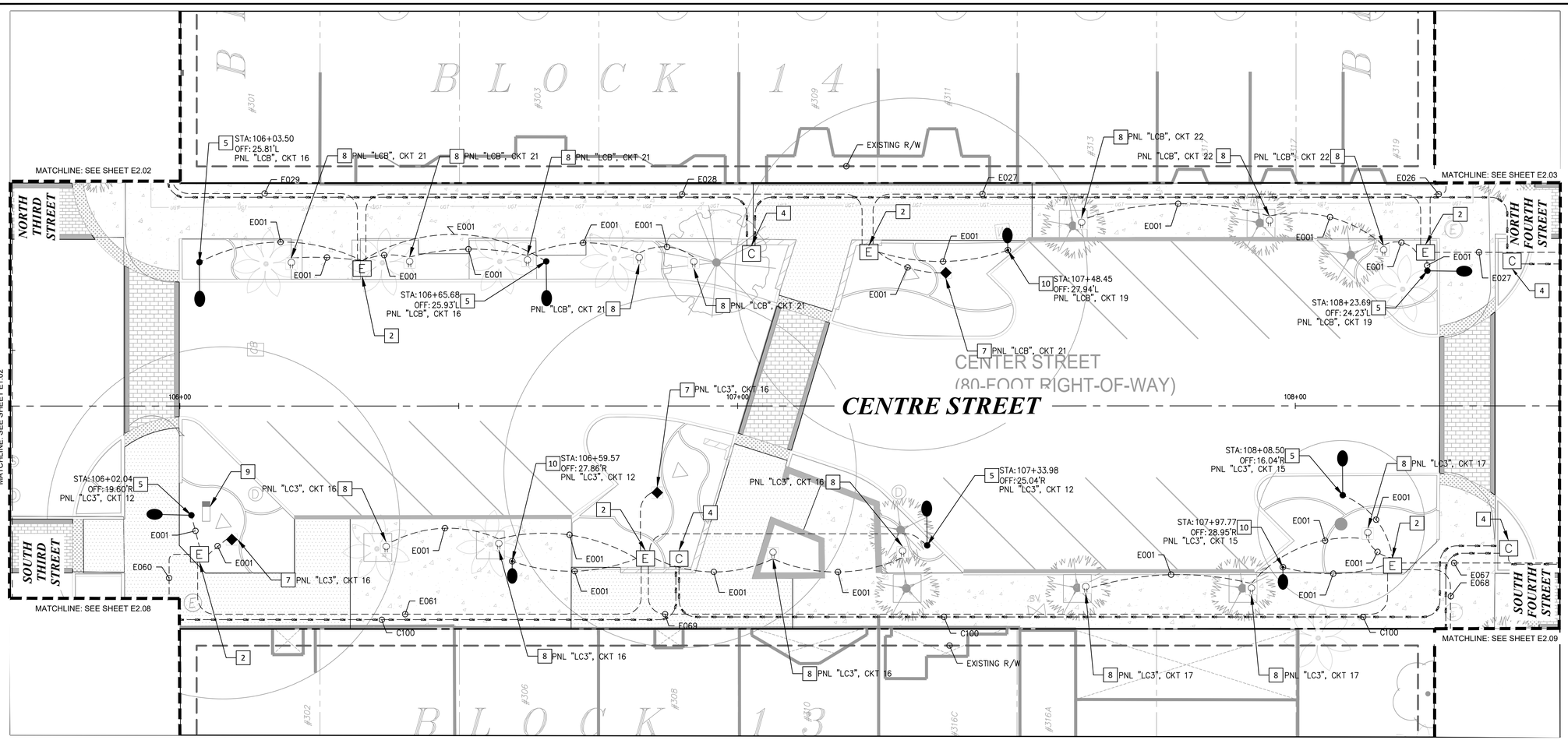
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

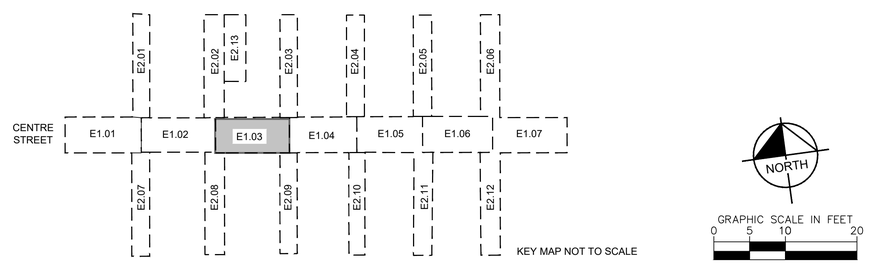
SHEET NUMBER
E1.02

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E1.02 January 08, 2025 10:40:22am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCTION NOTES

2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
5. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
7. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP WITH ABOVE GROUND CONDUIT. SEE DETAIL A ON PAGE E3.01.
8. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.
9. EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.
10. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

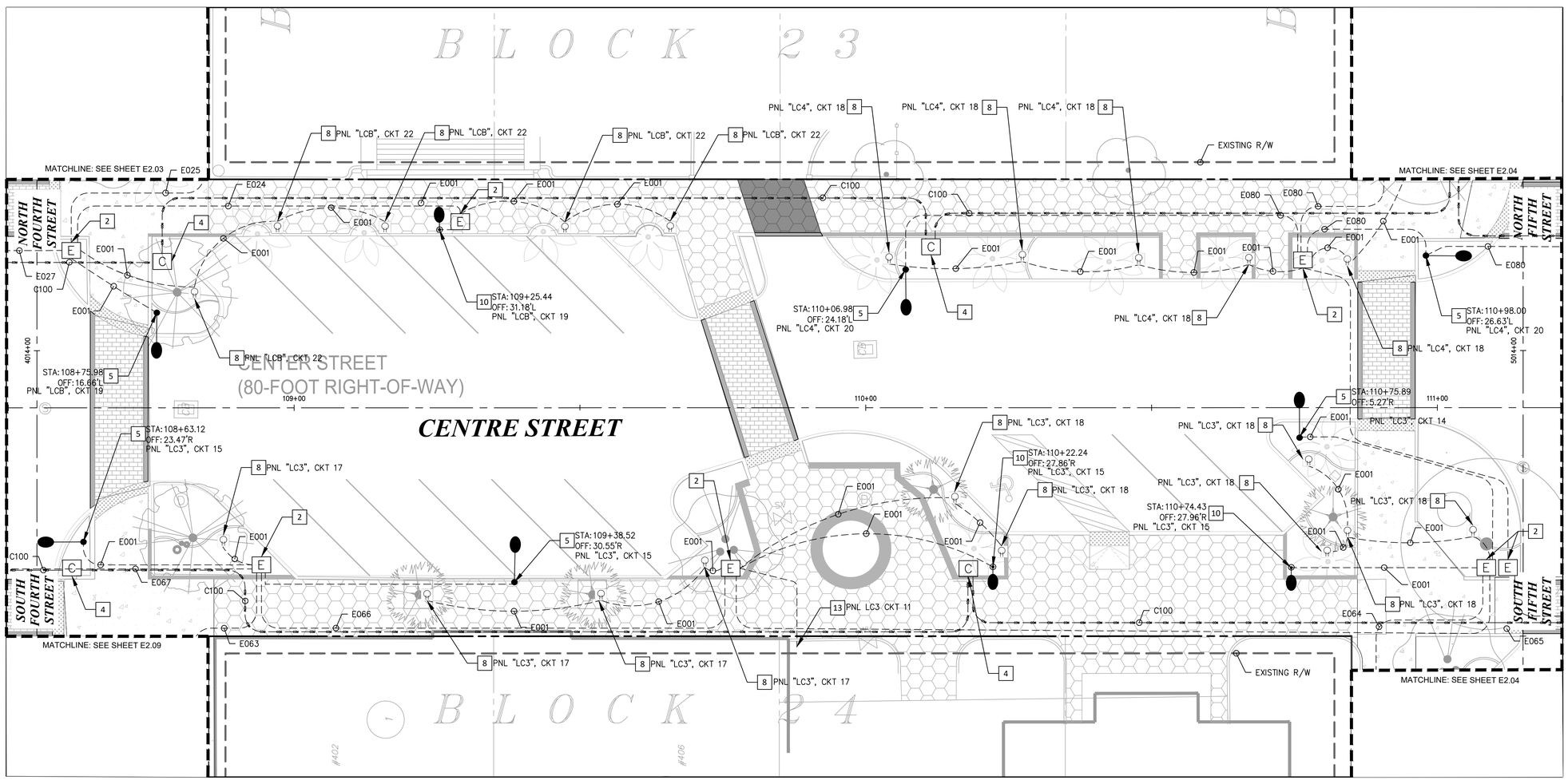
KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: JM
CHECKED BY: MAJ

LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
E1.04

Plotted By: Fuchs, Zach Sheet: Sat-FERNANDINA BEACH STREETSCAPE Layout: E1.03 January 08, 2025 10:40:32am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

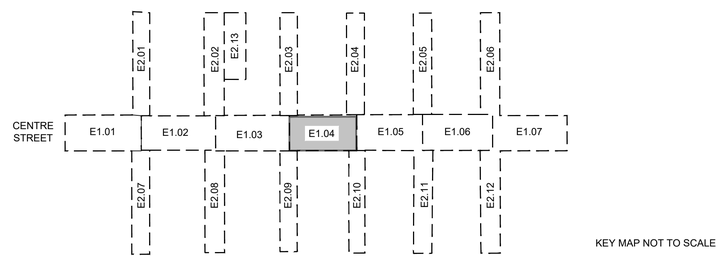


CONSTRUCTION NOTES

2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
5. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
8. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.
10. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.
13. TIE NEW ELECTRICAL CONDUIT TO EXISTING FOUNTAIN PUMP CONTROL.

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20



KEY MAP NOT TO SCALE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA
DRAWN BY: JM	CHECKED BY: MAJ		

LIGHTING PLAN

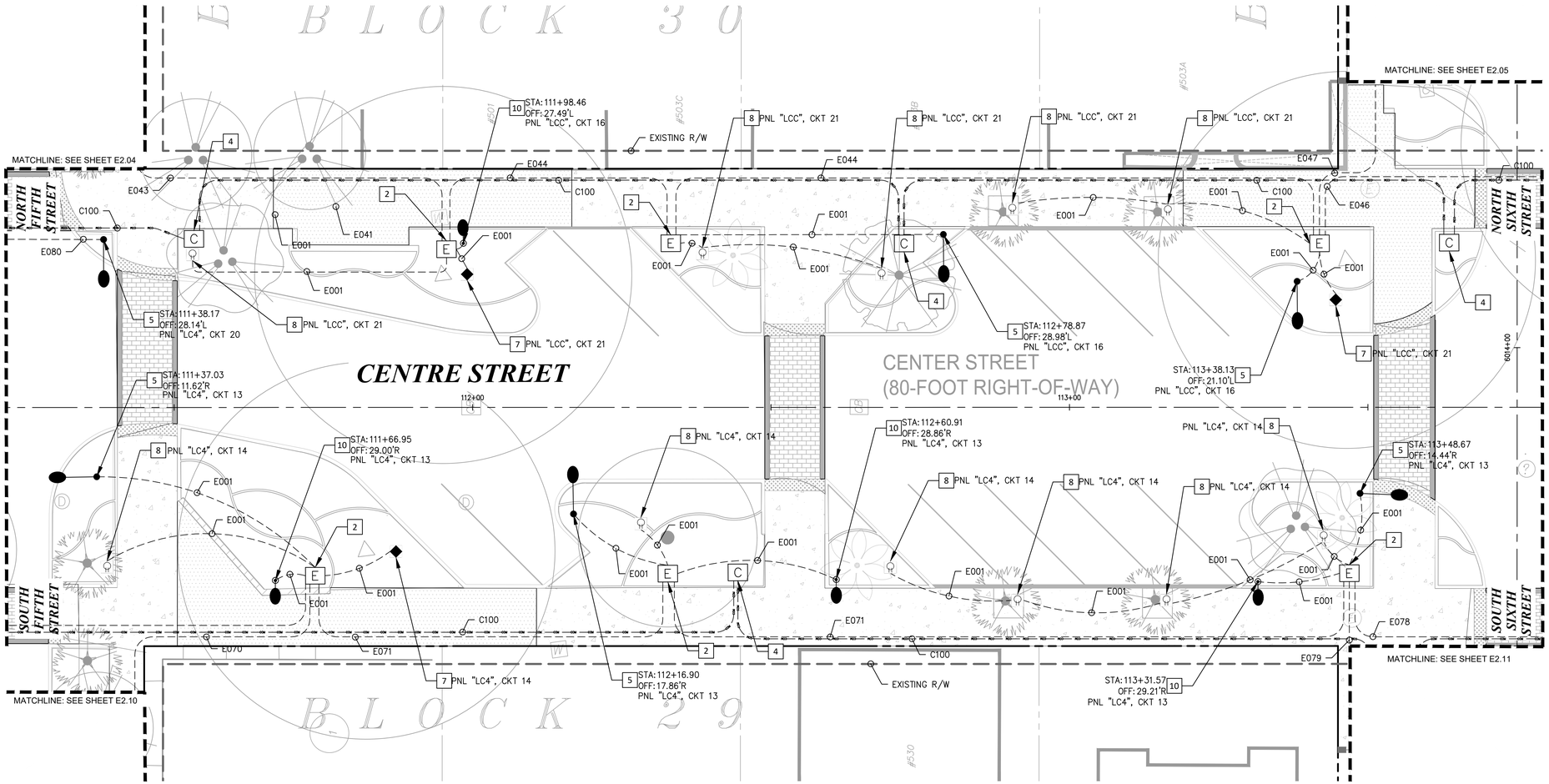
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

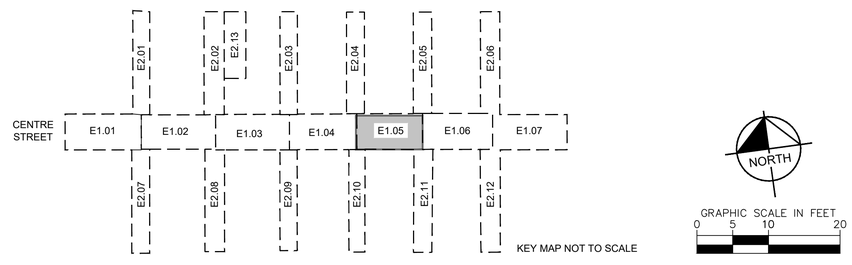
SHEET NUMBER
E1.03

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E1.04 January 08, 2025 10:40:42am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\xlon sheets\E1.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCTION NOTES

2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
5. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
7. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP WITH ABOVE GROUND CONDUIT. SEE DETAIL A ON PAGE E3.01.
8. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.
10. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: JM
CHECKED BY: MAJ

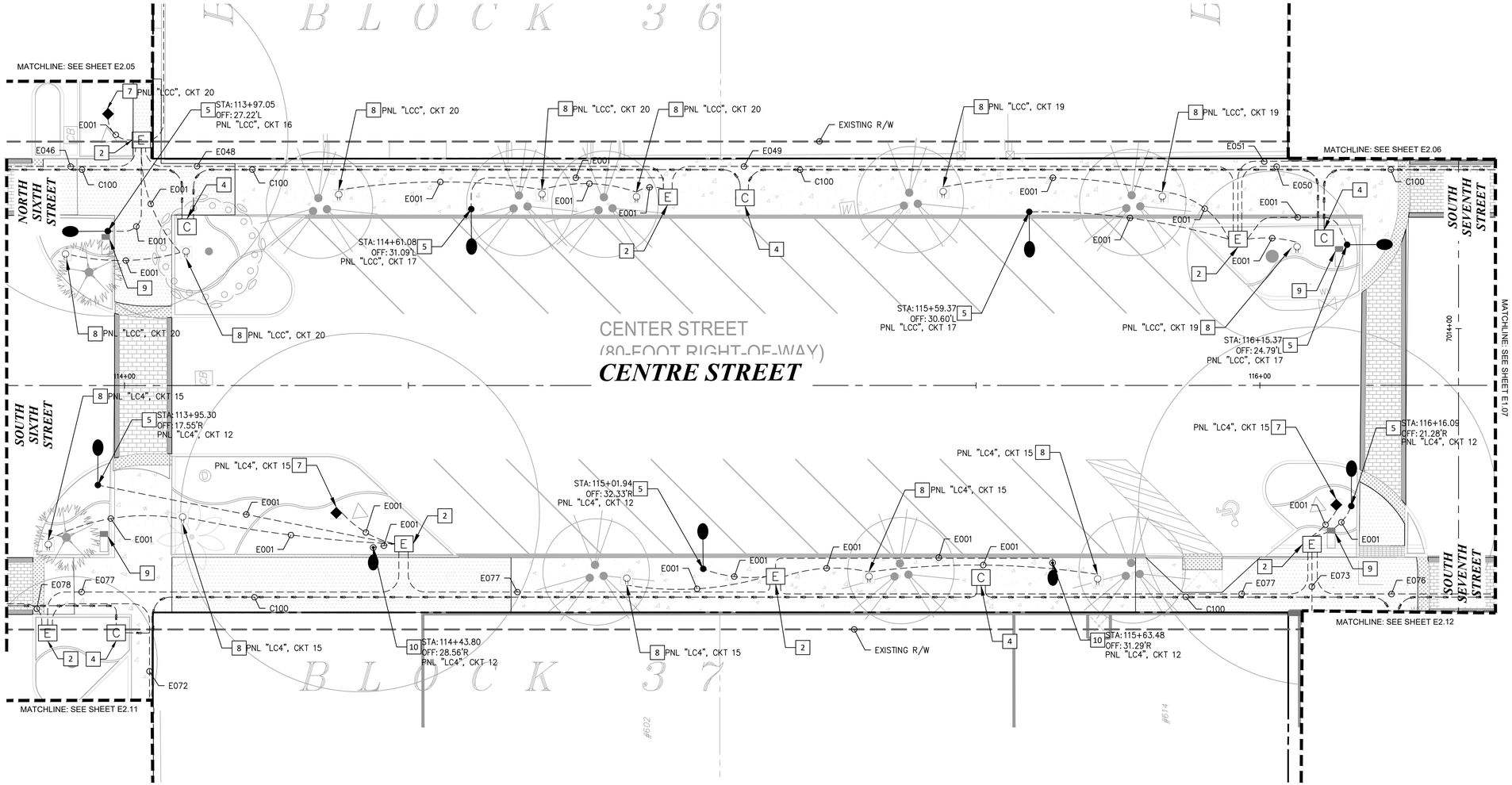
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

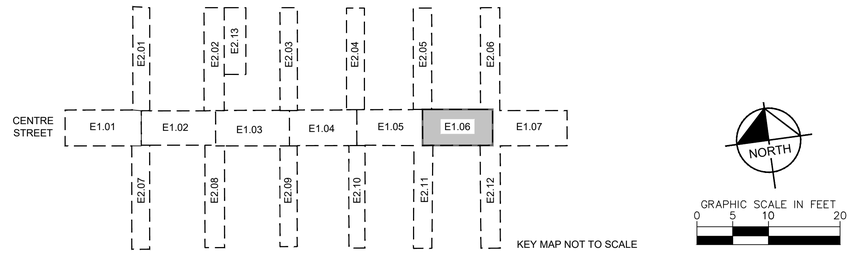
SHEET NUMBER
E1.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E1.05 January 08, 2025 10:40:52am K:\JAX_LA\EP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCTION NOTES

2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
5. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
7. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP WITH ABOVE GROUND CONDUIT. SEE DETAIL A ON PAGE E3.01.
8. INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.
9. EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.
10. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	JM
CHECKED BY:	MAJ

LIGHTING PLAN

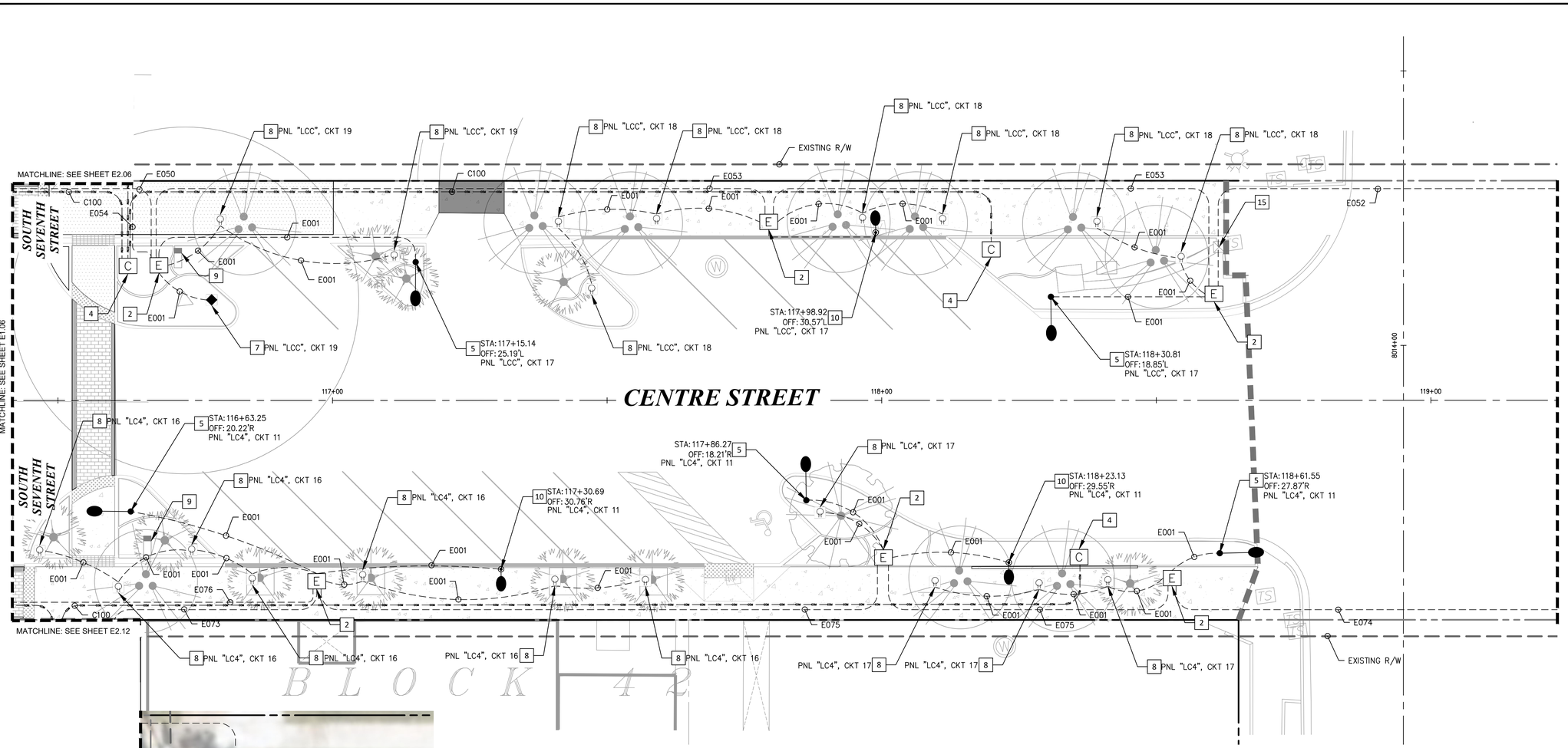
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

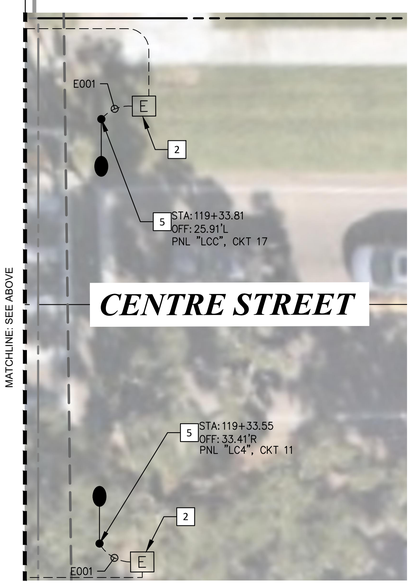
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E1.06

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E1.06 January 08, 2025 10:41:02am K:\JAX_LAD\142806005 - Fernandina Beach streetscape\working files\CAD\plan sheets\E1.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





CONSTRUCTION NOTES

2 INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.

4 INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.

5 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MB1A-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.

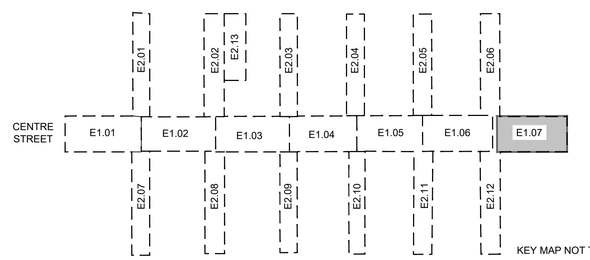
7 INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP WITH ABOVE GROUND CONDUIT. SEE DETAIL A ON PAGE E3.01.

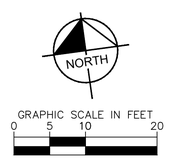
8 INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.

9 EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.

10 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. SN21P1-FGC-T1-P10-30K. LUMINAIRE SHALL BE MOUNTED 14' ABOVE GRADE PER DETAIL 'D' ON SHEET E3.01.

15 REMOVE LANTERN FROM FENCE AND CAP AND SEAL HOLE.





No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

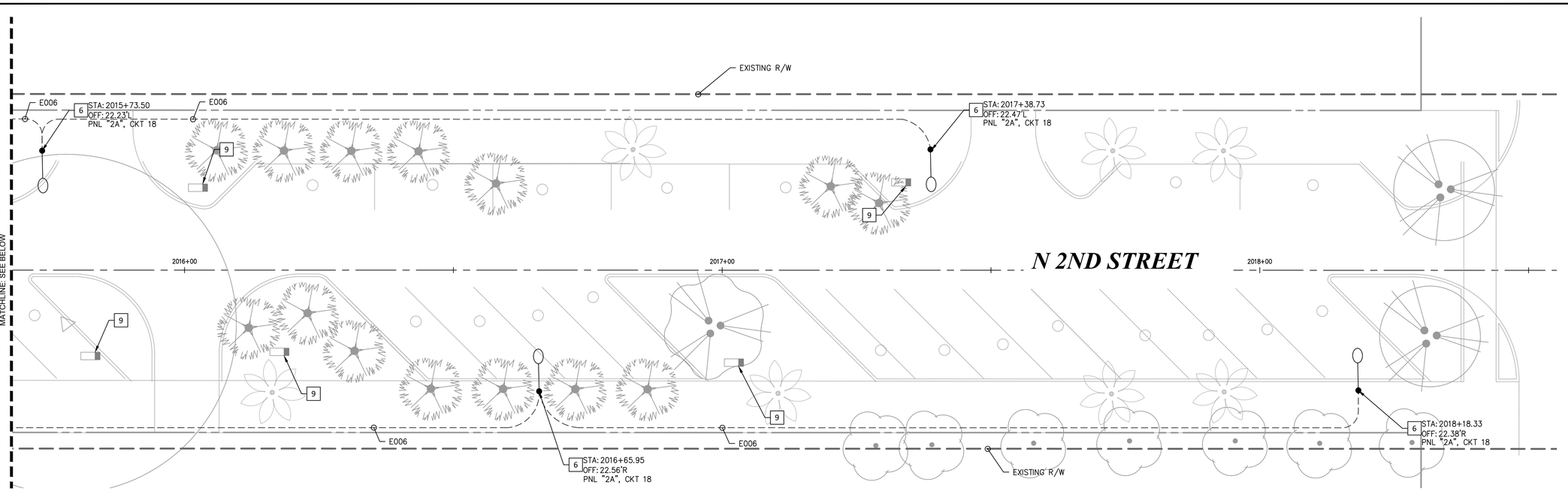
KHA PROJECT	DATE	SCALE: AS SHOWN	DESIGNED BY: KHA
142806005	01/08/2025		DRAWN BY: JM
			CHECKED BY: MAJ

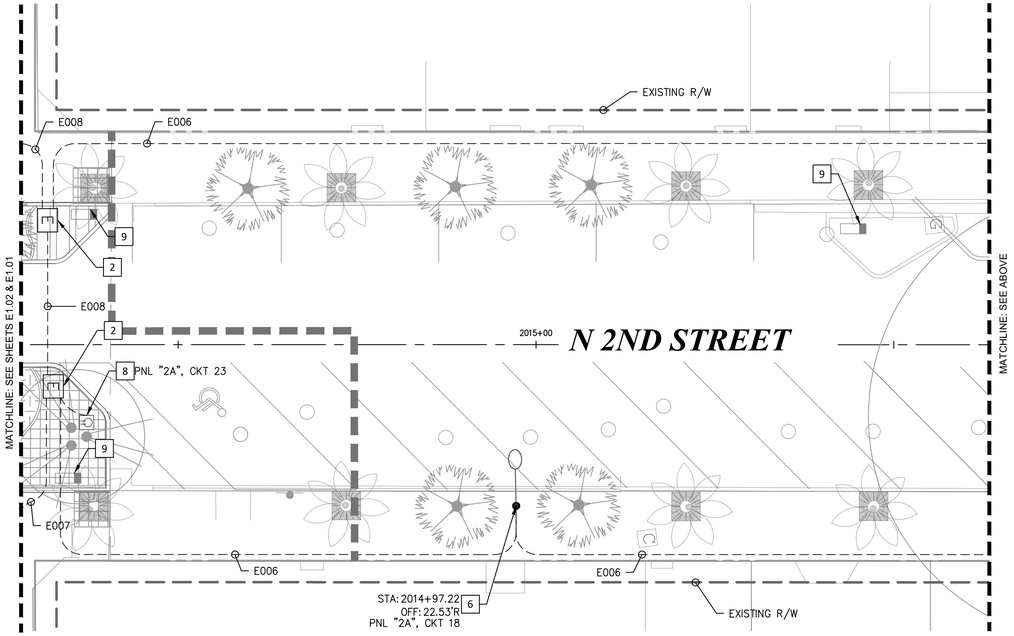
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E1.07

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E1.07 January 08, 2025 10:41:16am K:\JAX_LAL\PLY\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E1.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





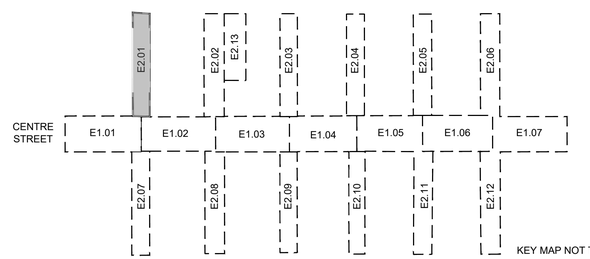
CONSTRUCTION NOTES

2 INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.

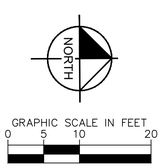
6 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.

8 INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.

9 EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	DATE	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ
142806005	01/08/2025				

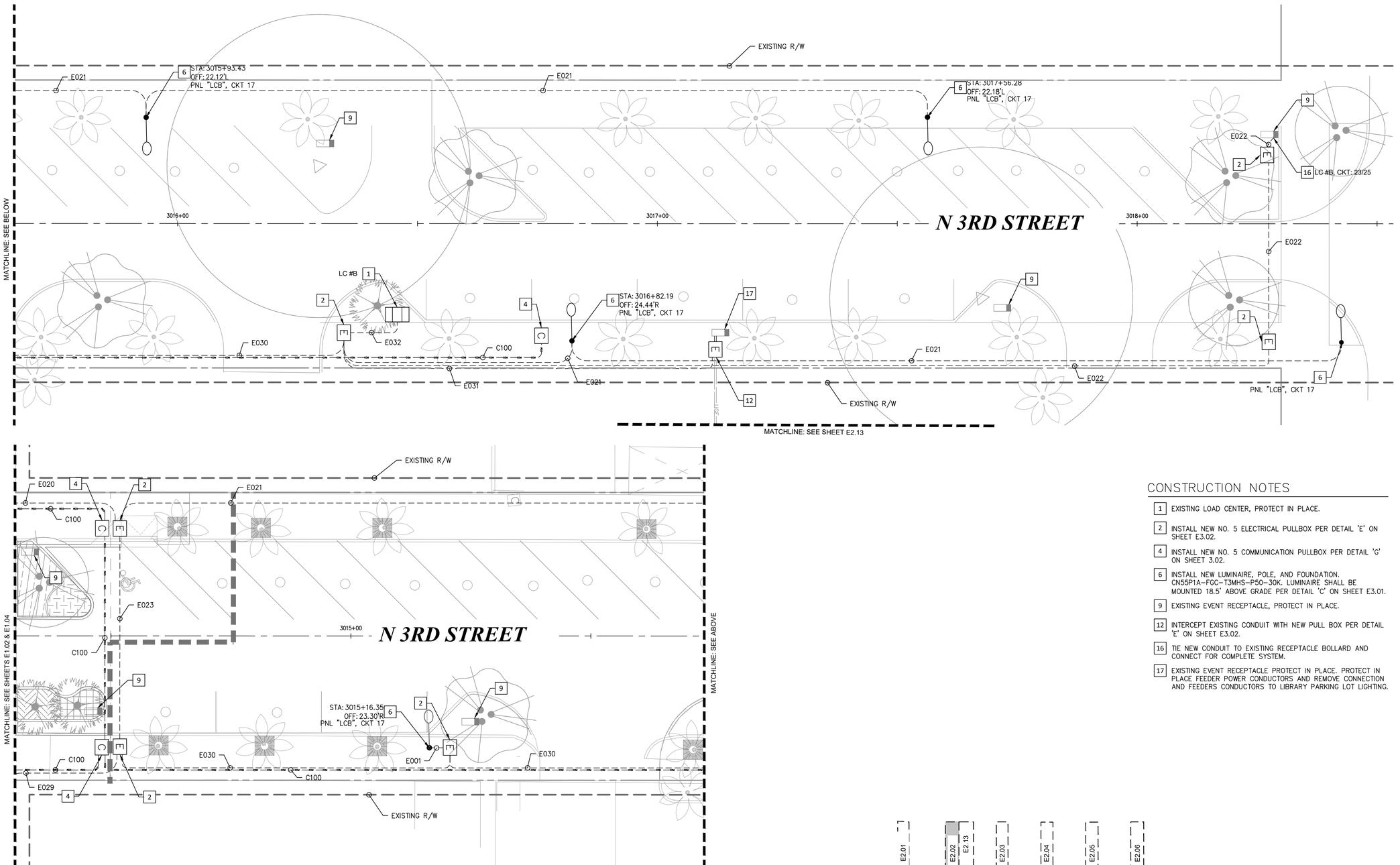
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

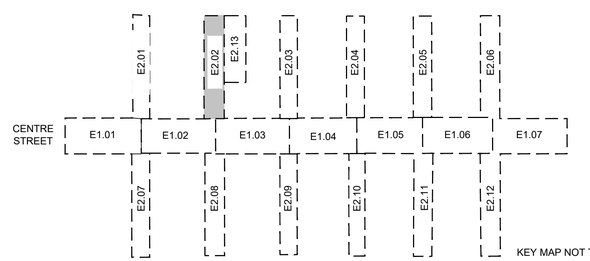
SHEET NUMBER
E2.01

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.01 January 08, 2025 10:41:49am K:\JAX_LAI\PW\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\E2.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

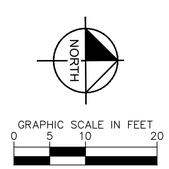


CONSTRUCTION NOTES

1. EXISTING LOAD CENTER, PROTECT IN PLACE.
2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
6. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
9. EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.
12. INTERCEPT EXISTING CONDUIT WITH NEW PULL BOX PER DETAIL 'E' ON SHEET E3.02.
16. TIE NEW CONDUIT TO EXISTING RECEPTACLE BOLLARD AND CONNECT FOR COMPLETE SYSTEM.
17. EXISTING EVENT RECEPTACLE PROTECT IN PLACE. PROTECT IN PLACE FEEDER POWER CONDUCTORS AND REMOVE CONNECTION AND FEEDERS CONDUCTORS TO LIBRARY PARKING LOT LIGHTING.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

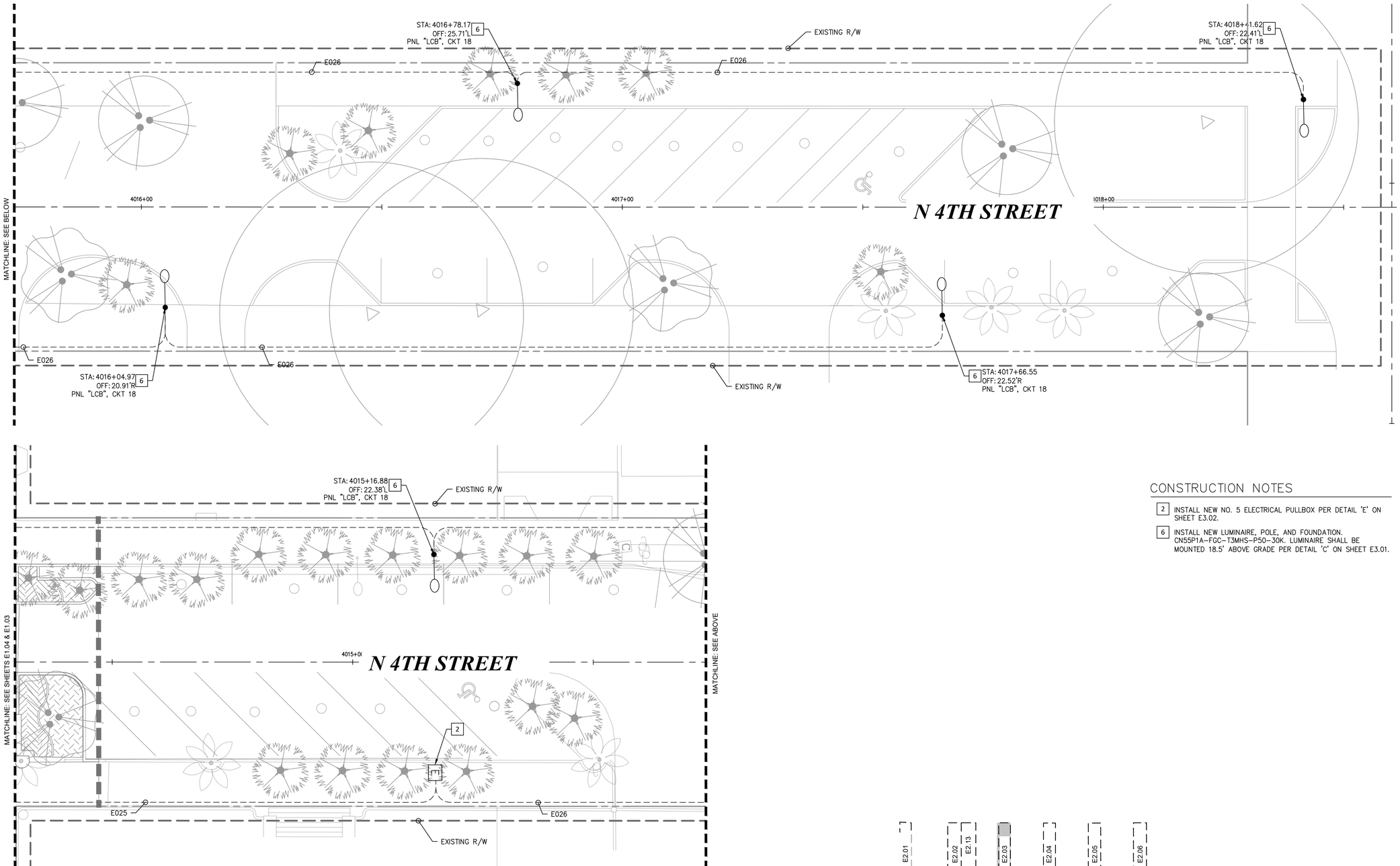
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E2.02

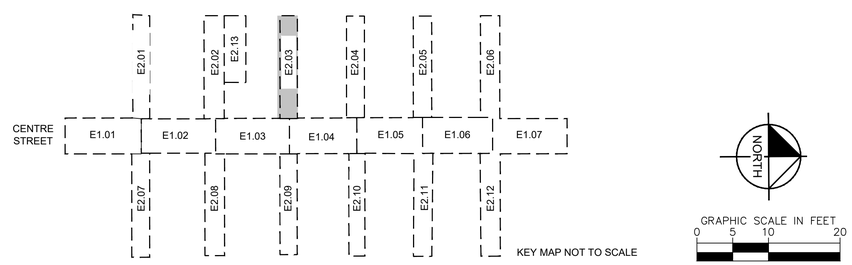
Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.02 January 08, 2025 10:42:06am K:\JAX_LAND\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\E2.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCTION NOTES

2 INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.

6 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.



KEY MAP NOT TO SCALE

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

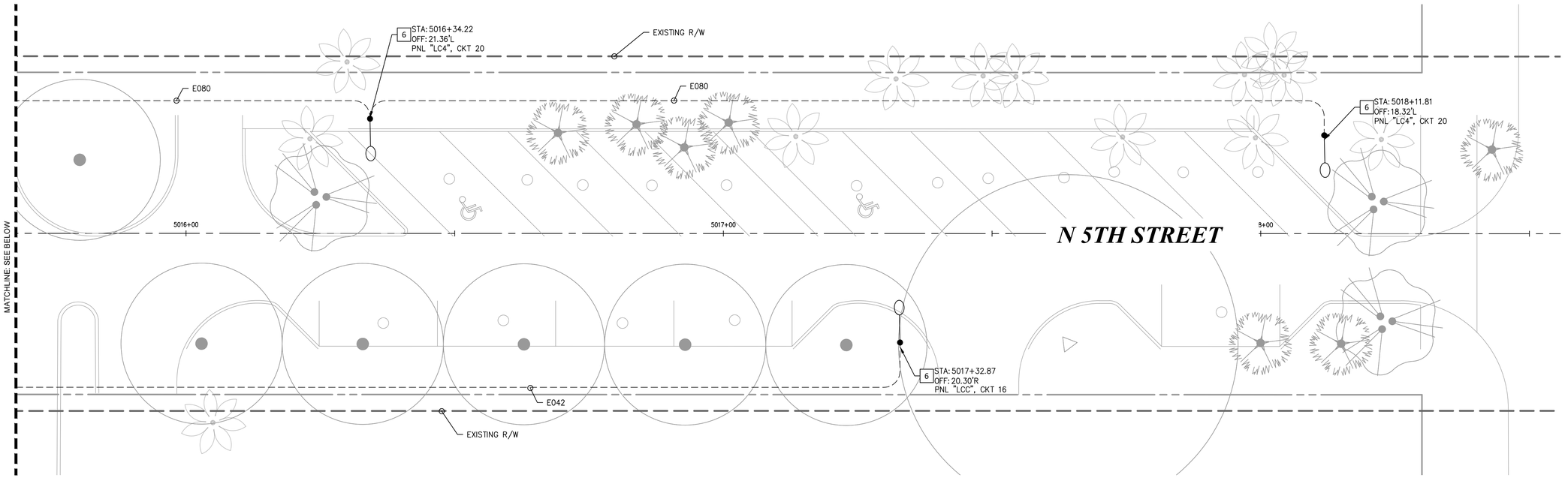
KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA
		DRAWN BY: RD	CHECKED BY: MAJ

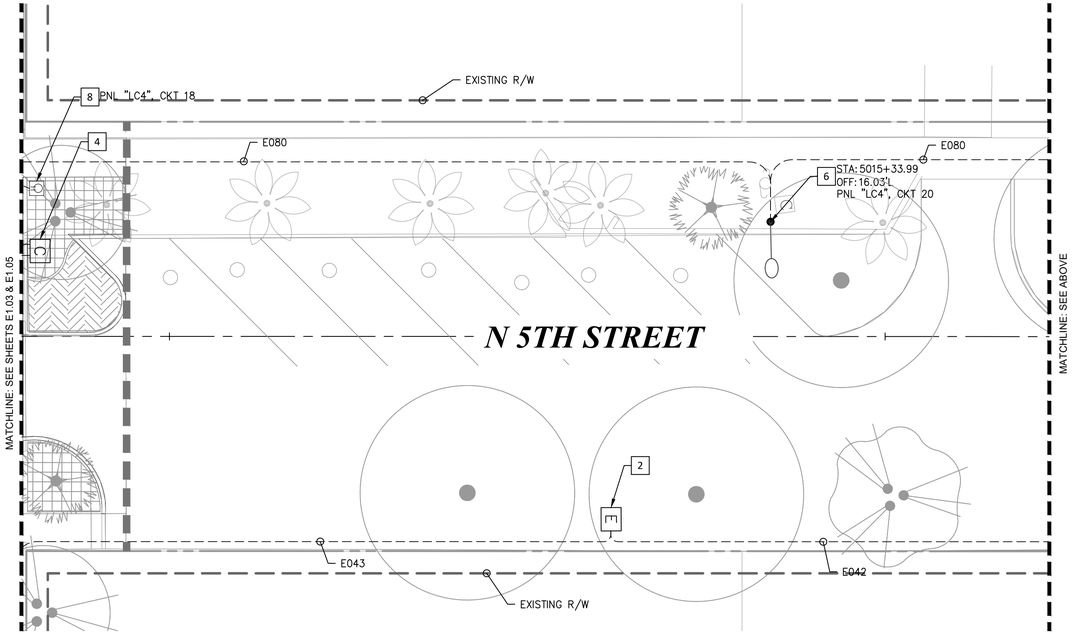
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E2.03

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.03 January 08, 2025 10:42:26am K:\JAX LA\EP\142806005 — fernandina beach streetscape\working files\CAD\plans sheets\E2.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





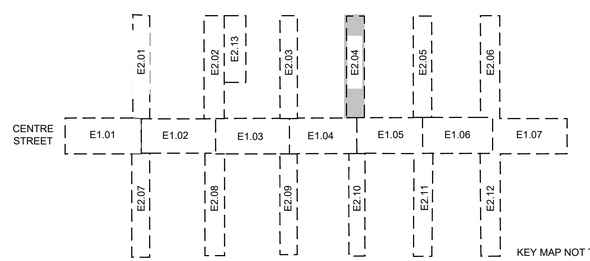
CONSTRUCTION NOTES

2 INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.

4 INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.

6 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.

8 INSTALL NEW RECEPTACLE BOLLARD, B-K LIGHTING CATALOG #RB-PP-DUP. SEE DETAIL B ON PAGE E3.01.



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA
		DRAWN BY: RD	CHECKED BY: MAJ

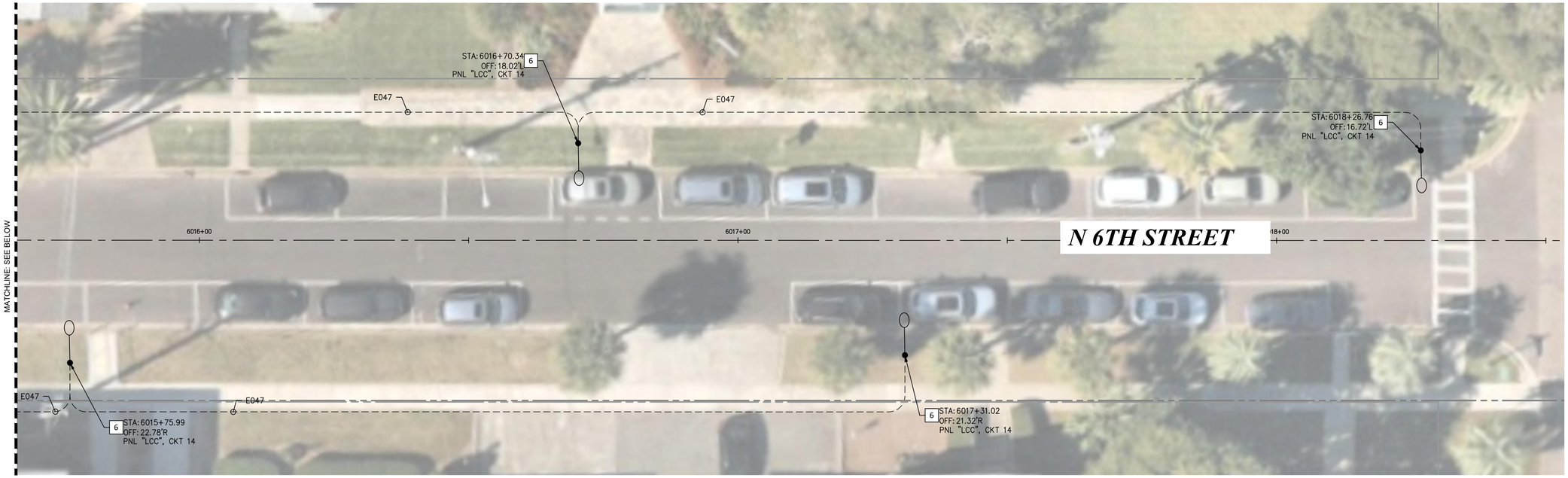
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

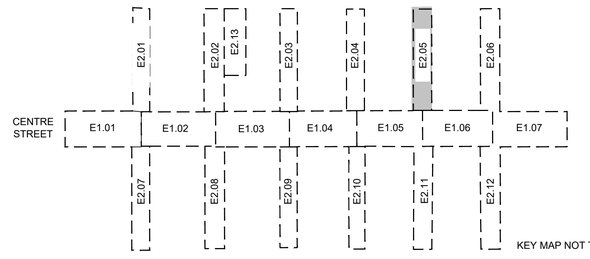
SHEET NUMBER
E2.04

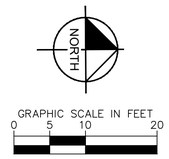
Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.04 January 08, 2025 10:42:47am K:\JAX\LALD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E2.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CONSTRUCTION NOTES

6 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.





No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

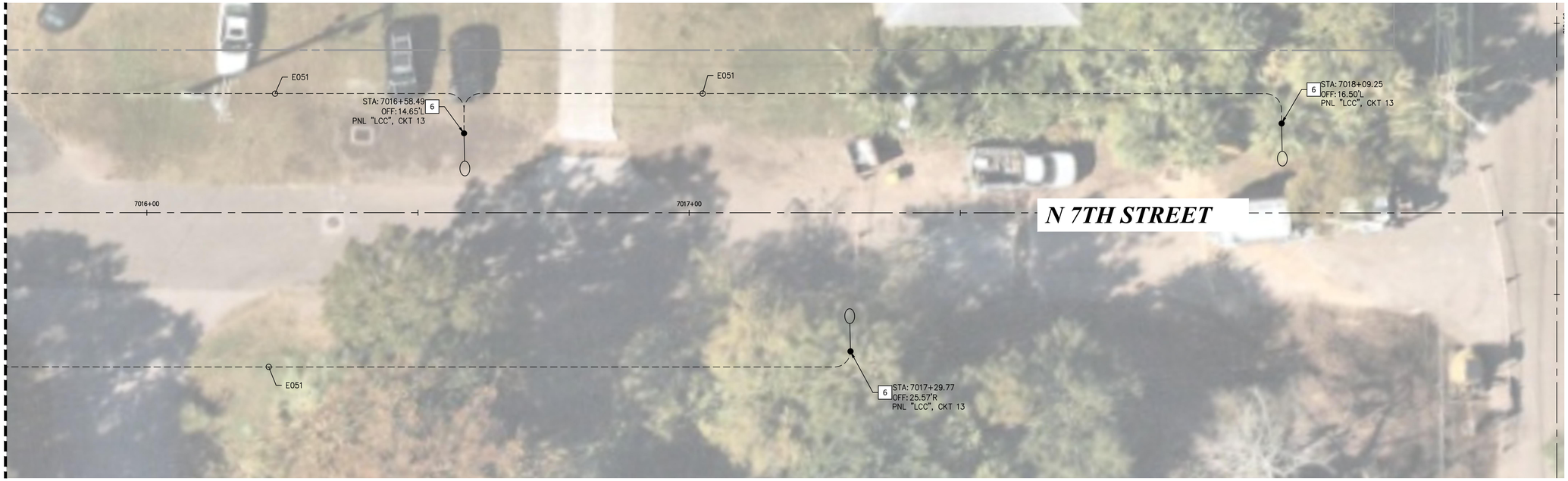
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E2.05

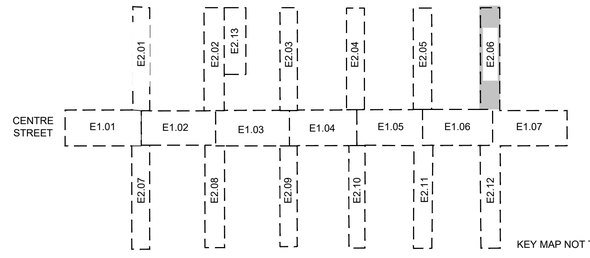
Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.05 January 08, 2025 10:43:09am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E2.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



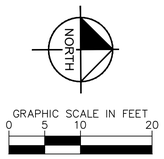
MATCHLINE: SEE SHEETS E1.06 & E1.07

CONSTRUCTION NOTES

1. EXISTING LOAD CENTER, PROTECT IN PLACE.
2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
6. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
14. REMOVE THE EXISTING ELECTRICAL PANEL AND CAREFULLY DISCONNECT ALL ASSOCIATED WIRING. INSTALL A NEW 120/240V, 1-PHASE, 200A NEMA 1 DISTRIBUTION PANEL IN THE SAME LOCATION. REPLACE EXISTING BREAKERS WITH NEW BREAKERS MATCHING THE SPECIFICATIONS, RATINGS, AND CONFIGURATIONS OF THE ORIGINAL BREAKERS TO PROTECT ALL EXISTING CIRCUITS. RECONNECT ALL EXISTING WIRING TO THE NEW PANEL IN ACCORDANCE WITH THE ORIGINAL CONFIGURATION, ENSURING COMPLIANCE WITH NEC AND LOCAL ELECTRICAL CODES. TEST THE PANEL AND BREAKERS FOR PROPER OPERATION, AND PROVIDE AS-BUILT DOCUMENTATION, INCLUDING AN UPDATED PANEL SCHEDULE.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CD.01 SIGNATURE SHEET

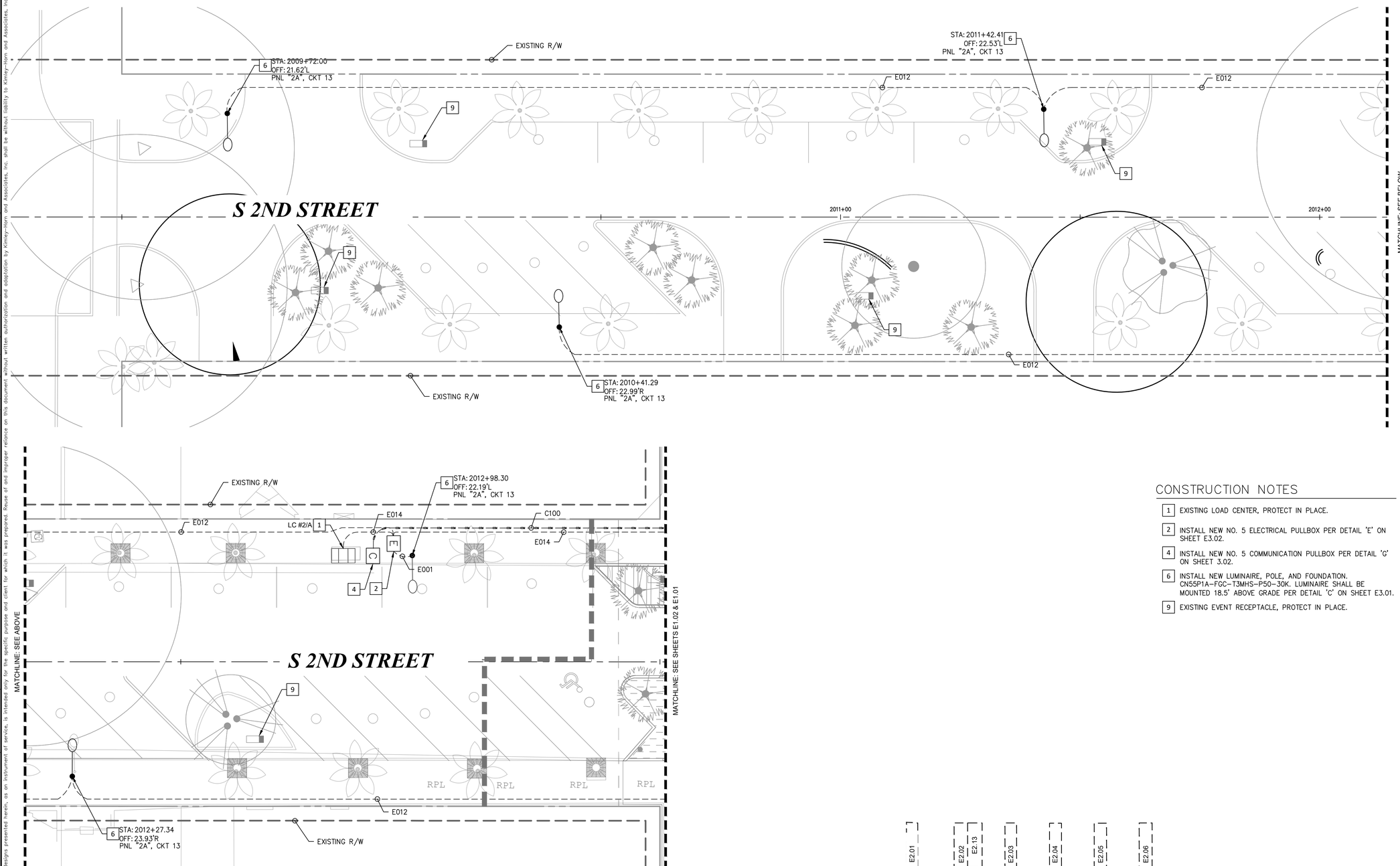
KHA PROJECT 142806005	DATE 01/08/2025		
SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

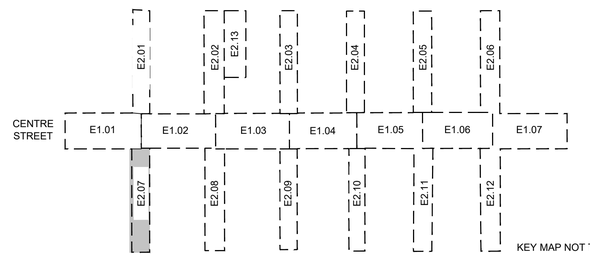
SHEET NUMBER
E2.06

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.06 January 08, 2025 10:43:29am K:\JAX_LAL\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E2.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

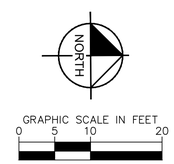


CONSTRUCTION NOTES

1. EXISTING LOAD CENTER, PROTECT IN PLACE.
2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
6. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.
9. EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

LIGHTING PLAN

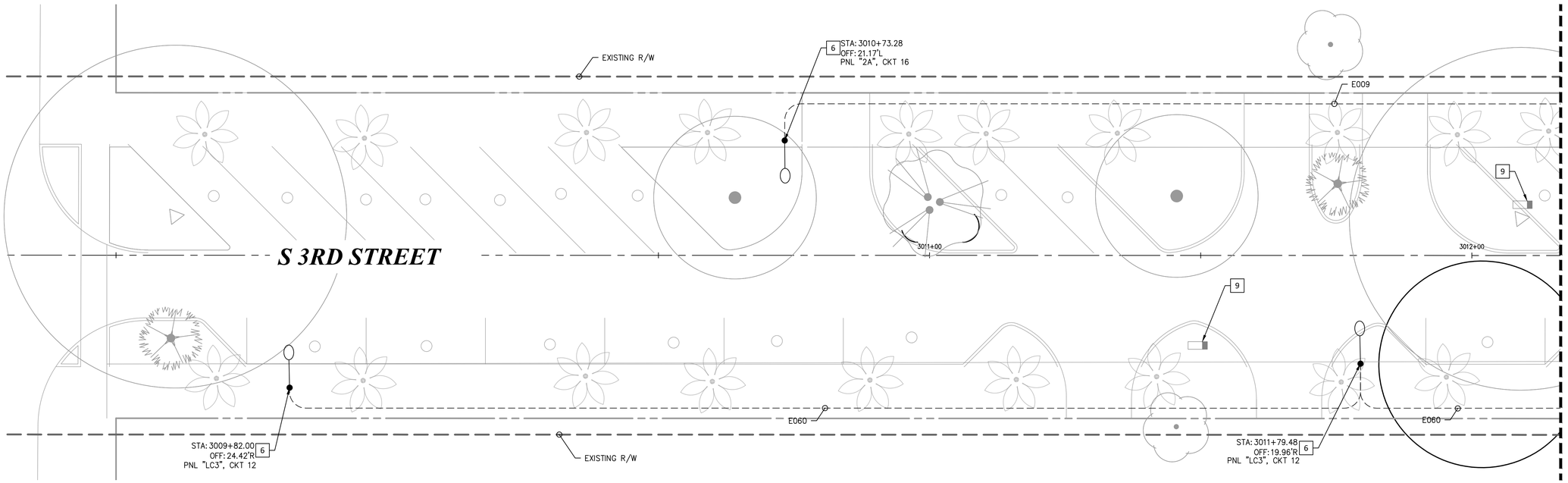
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

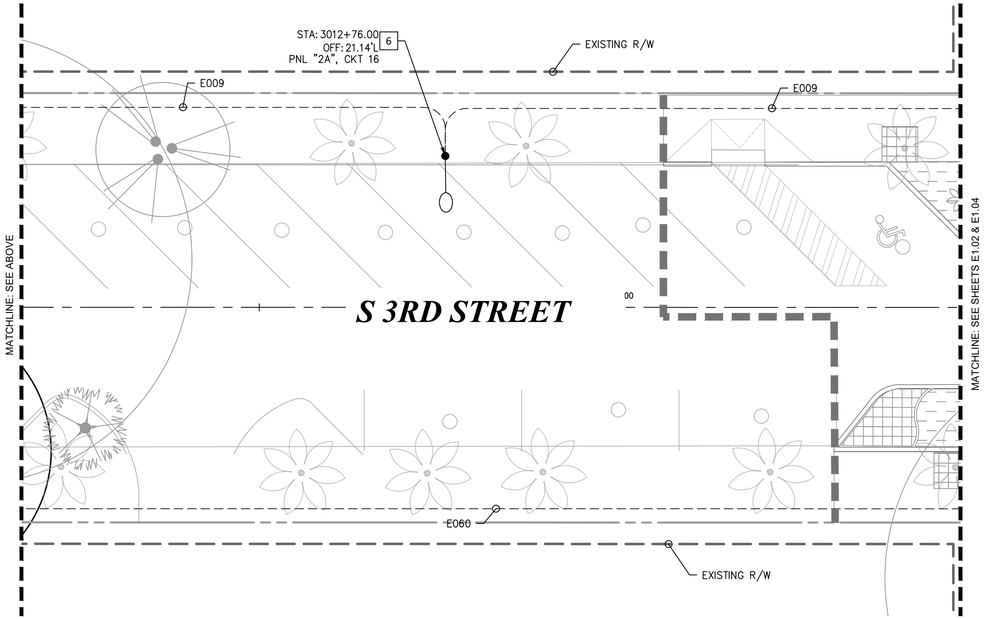
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
E2.07

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.07 January 08, 2025 10:43:47am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E2.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

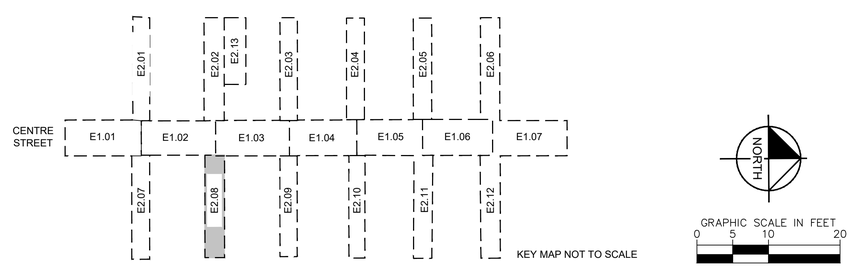




CONSTRUCTION NOTES

6 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.

9 EXISTING EVENT RECEPTACLE, PROTECT IN PLACE.



No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

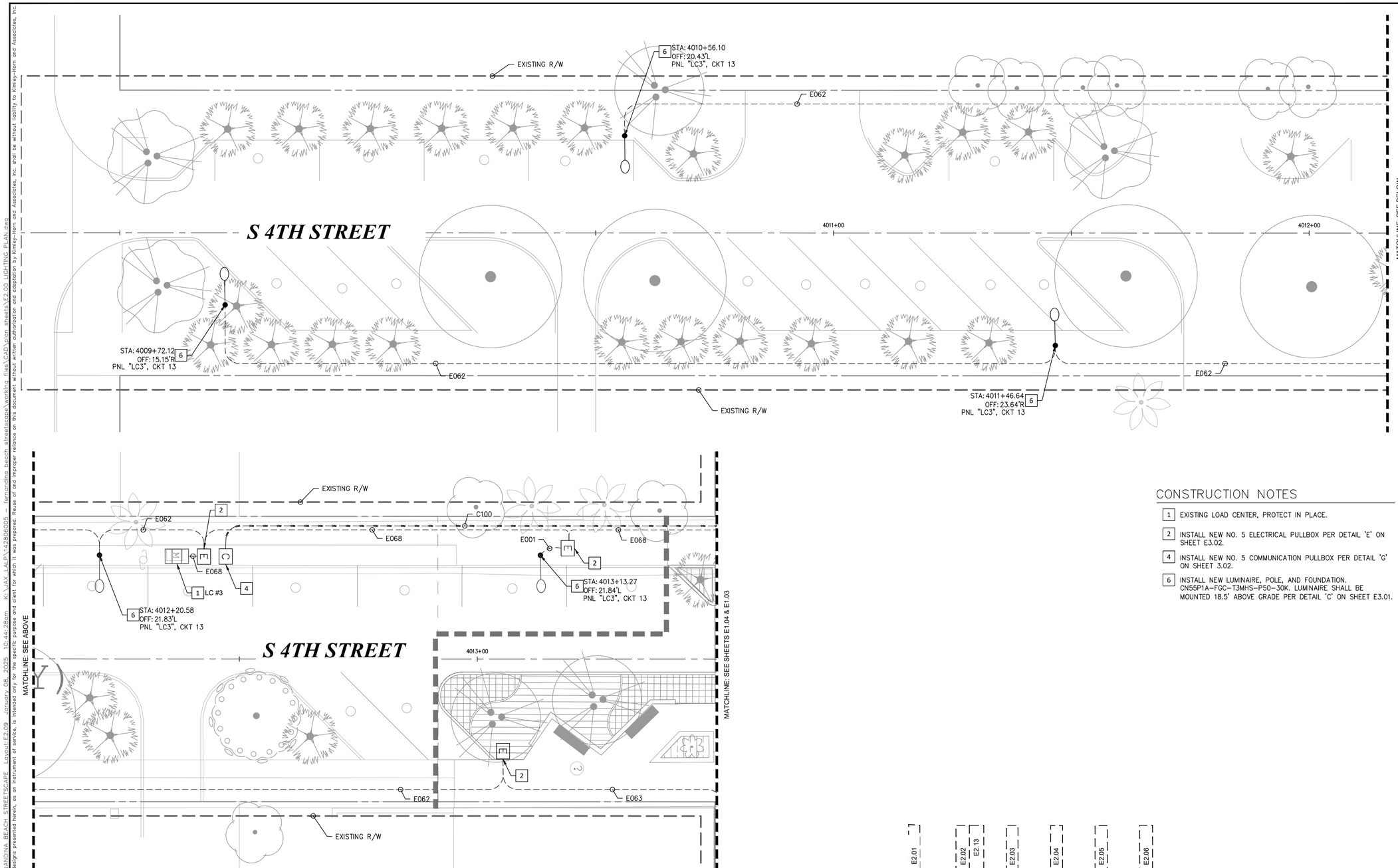
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

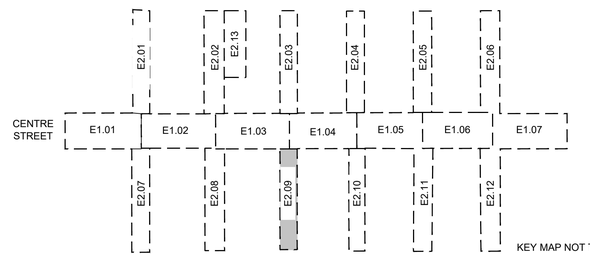
SHEET NUMBER
E2.08

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.08 January 08, 2025 10:44:06am K:\JAX_LAND\142806005 - fernandina beach streetscape\working files\CAD\plan sheets\E2.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

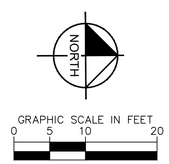


CONSTRUCTION NOTES

1. EXISTING LOAD CENTER, PROTECT IN PLACE.
2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
6. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.



KEY MAP NOT TO SCALE



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

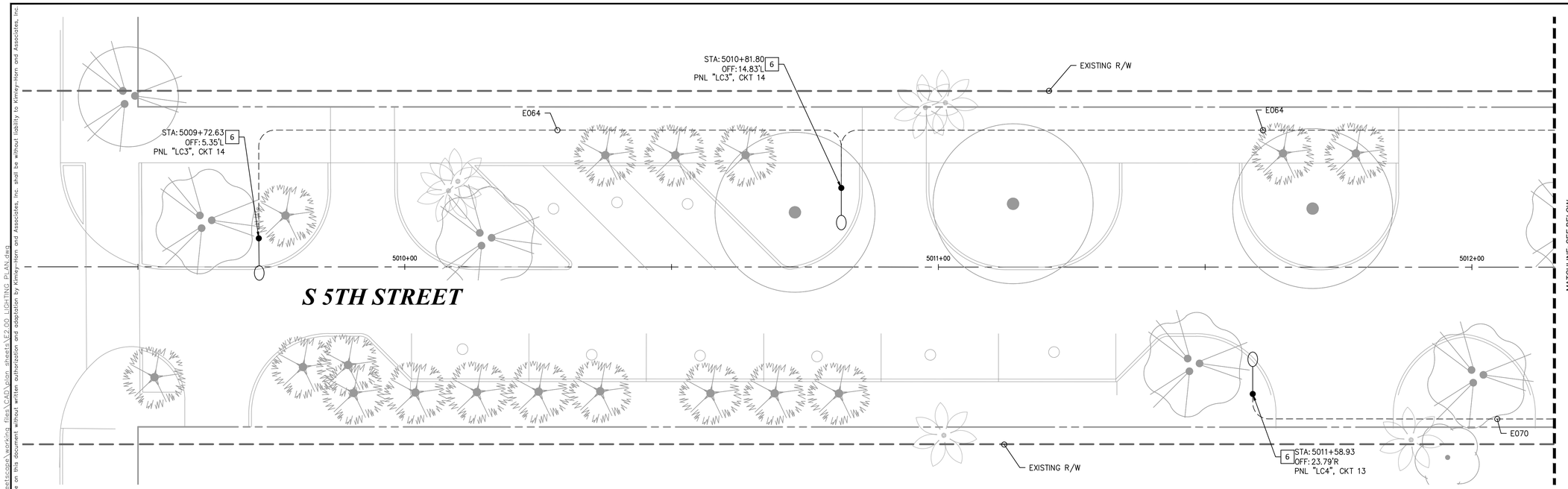
LIGHTING PLAN

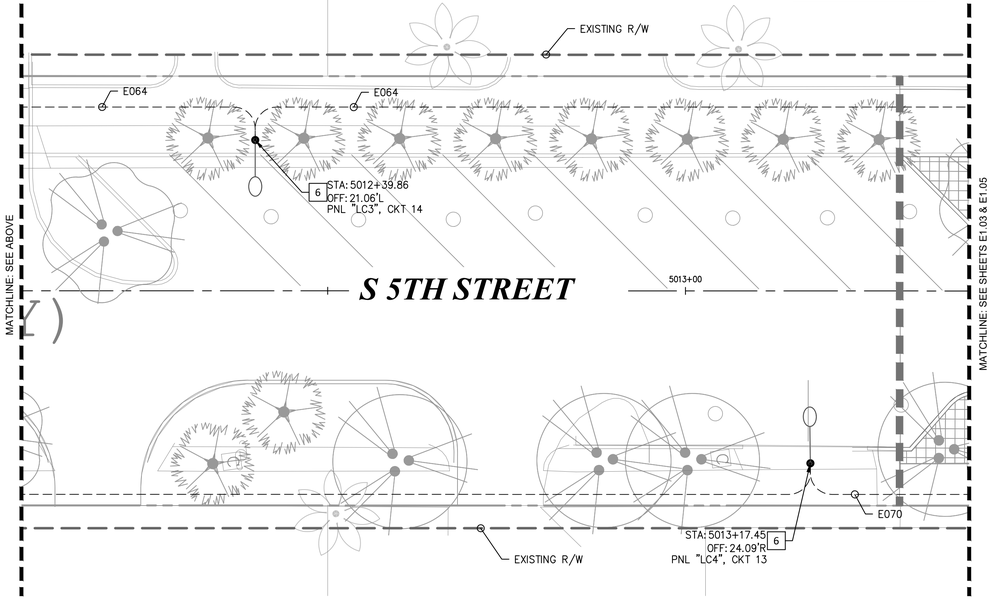
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
E2.09

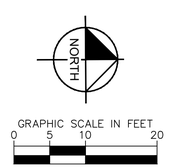
Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.09 January 08, 2025 10:44:28am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E2.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





CONSTRUCTION NOTES

6 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025
SCALE: AS SHOWN	
DESIGNED BY: KHA	DRAWN BY: RD
CHECKED BY: MAJ	

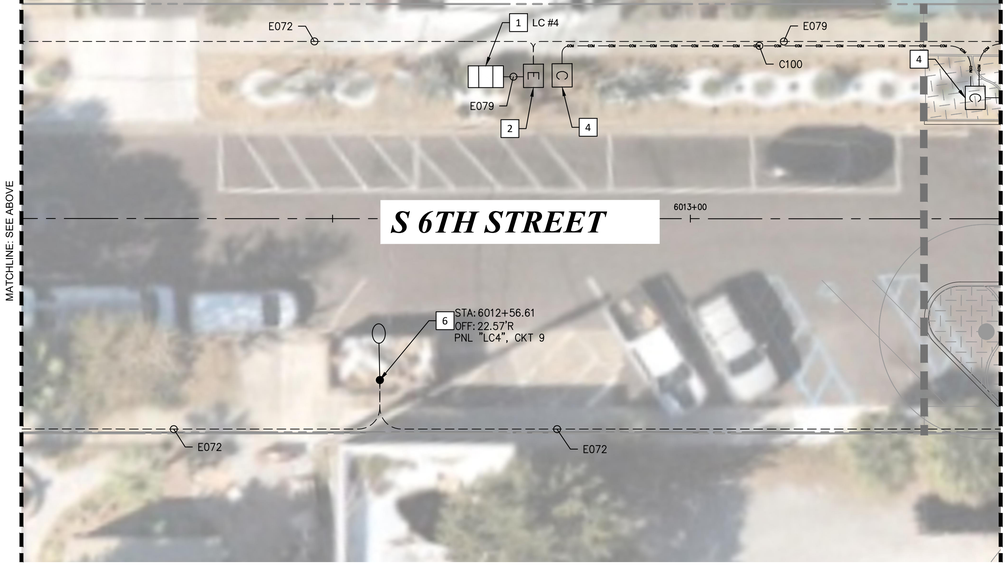
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

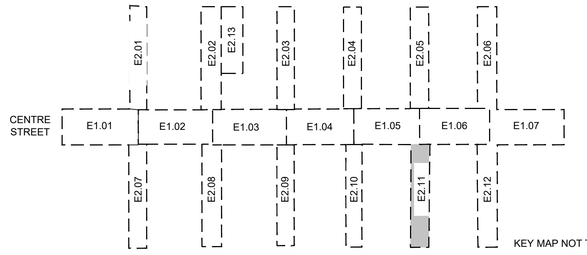
SHEET NUMBER
E2.10

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.10 January 08, 2025 10:44:47am K:\JAX_LAL\PV\142806005 - fernandina beach street-scape\working files\CAD\plan sheets\E2.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

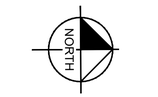


CONSTRUCTION NOTES

1. EXISTING LOAD CENTER, PROTECT IN PLACE.
2. INSTALL NEW NO. 5 ELECTRICAL PULLBOX PER DETAIL 'E' ON SHEET E3.02.
4. INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.
6. INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.



KEY MAP NOT TO SCALE



GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD SIGNATURE AND SEAL REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005	DATE 01/08/2025	SCALE: AS SHOWN	DESIGNED BY: KHA	DRAWN BY: RD	CHECKED BY: MAJ

LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

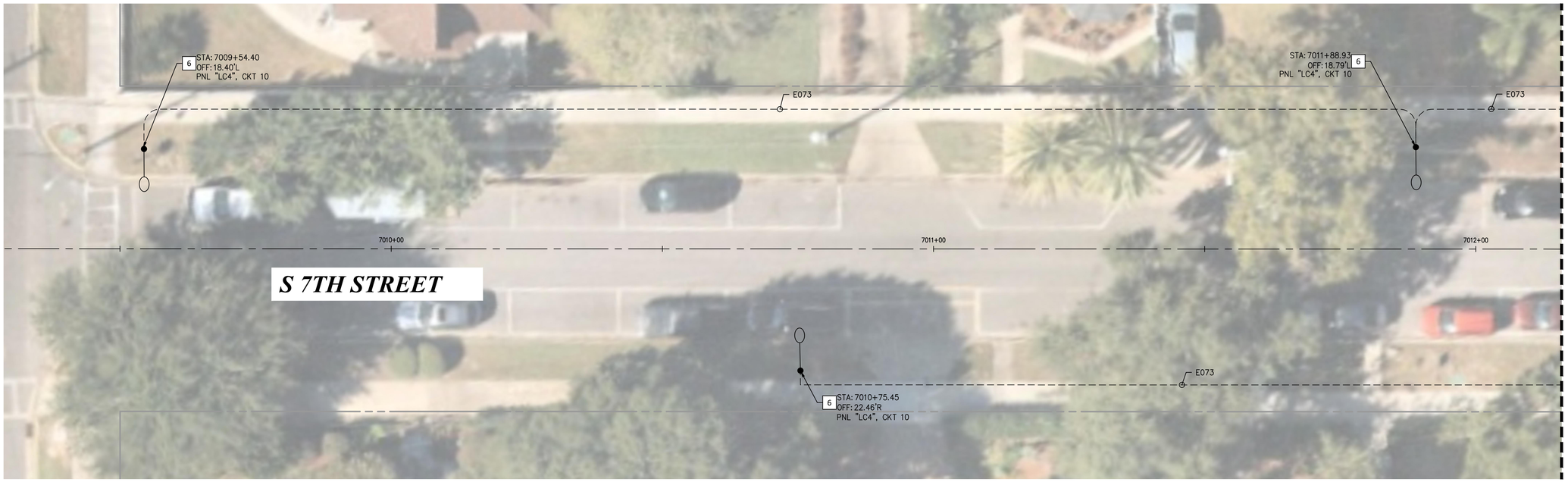
PREPARED FOR CITY OF FERNANDINA BEACH

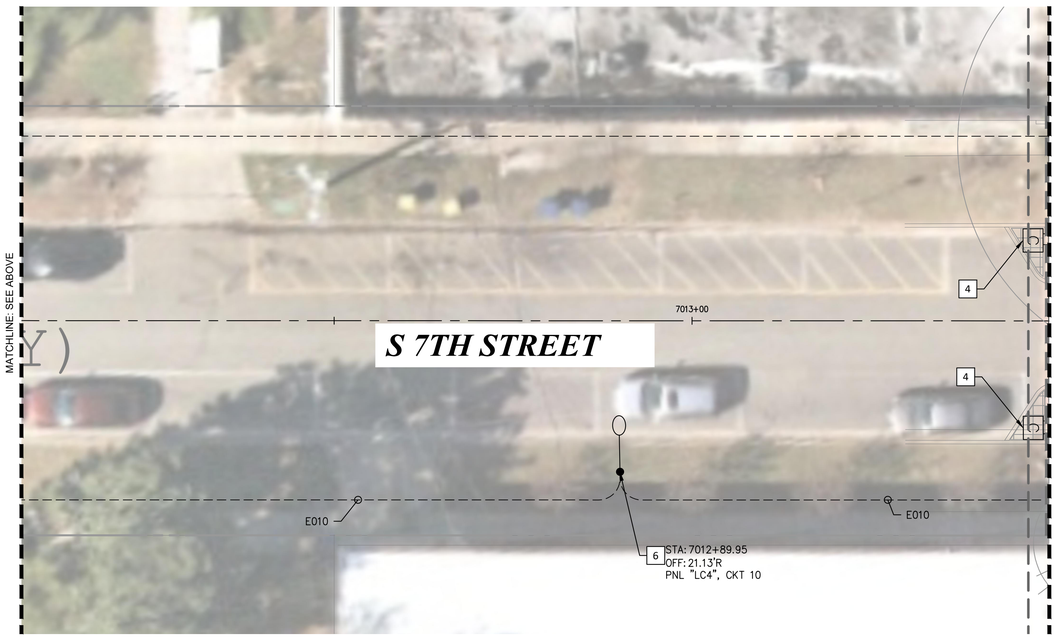
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
E2.11

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.11 January 08, 2025 10:45:09am K:\JAX_LAI\PW\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E2.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

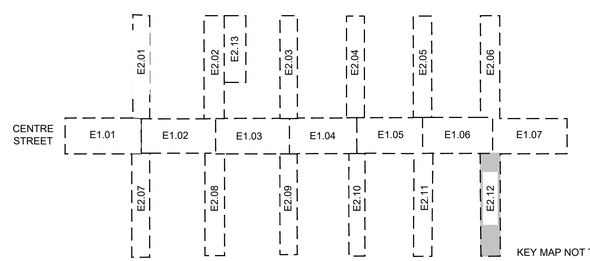




CONSTRUCTION NOTES

4 INSTALL NEW NO. 5 COMMUNICATION PULLBOX PER DETAIL 'G' ON SHEET 3.02.

6 INSTALL NEW LUMINAIRE, POLE, AND FOUNDATION. CN55P1A-FGC-T3MHS-P50-30K. LUMINAIRE SHALL BE MOUNTED 18.5' ABOVE GRADE PER DETAIL 'C' ON SHEET E3.01.



KEY MAP NOT TO SCALE

NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO E0.01 SIGNATURE SHEET

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
142806005	01/08/2025	AS SHOWN	KHA	RD	MAJ

LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
E2.12

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E2.12 January 08, 2025 10:45:29am K:\JAX_LAP\142806005 – fernandina beach streetscape\working files\CAD\plan sheets\E2.00 LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE: SEE SHEET E2.02

CONSTRUCTION NOTES

11 EXISTING LUMINAIRE TO BE REPLACED. INSTALL NEW LUMINAIRE DSX1-LED-P3-30K-80CRI-T4M-MVOLT-SPA-PER7-DBLXD. NEW LOAD ADDED LESS THAN LOAD REMOVED.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

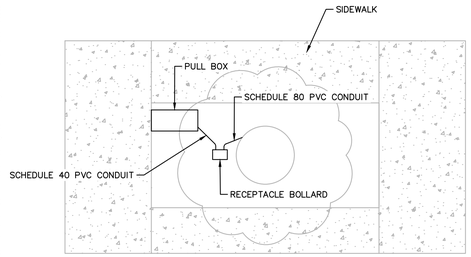
LIGHTING PLAN

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS

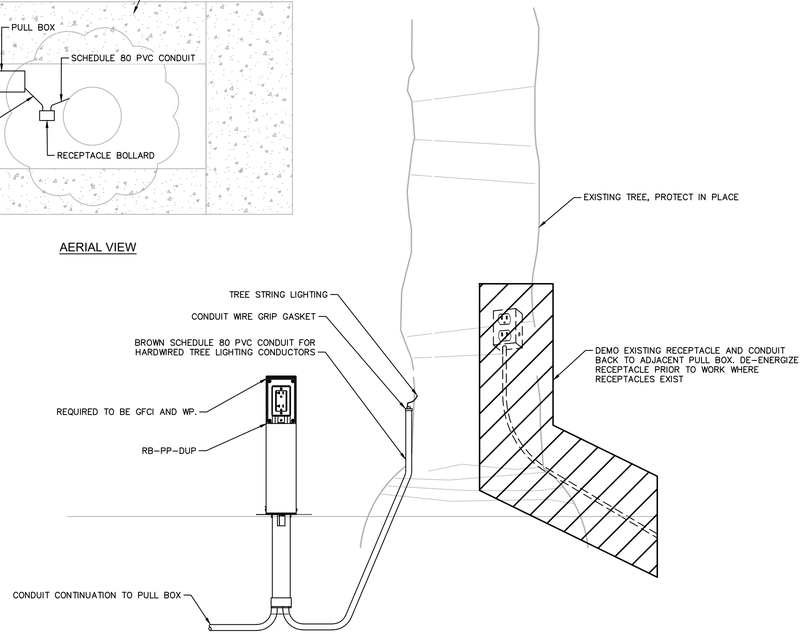
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E2.13

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E2.13 January 08, 2025 10:45:52am \\jax01\FL_JAX1\JAX_LAUP\142806005 — FERNANDINA BEACH STREETSCAPE\WORKING FILES\CAD\Plan Sheets\E2.00_LIGHTING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

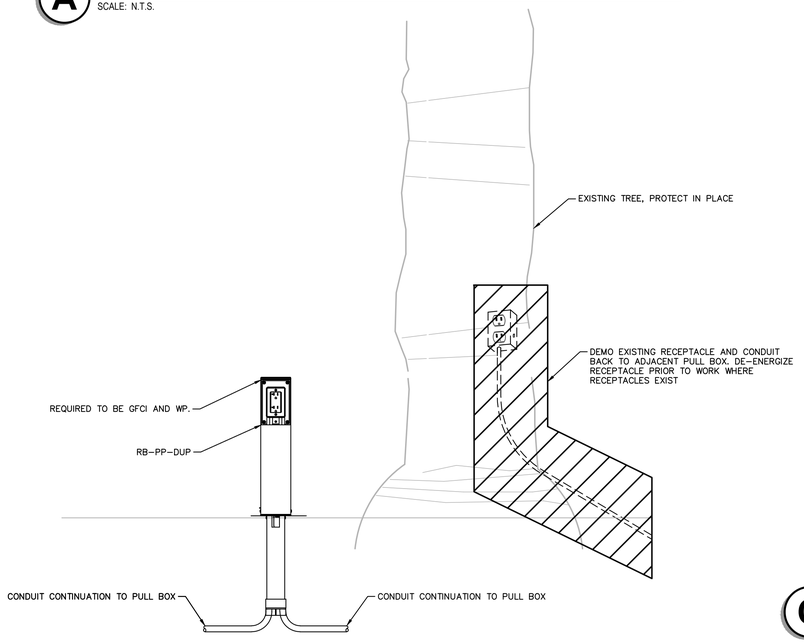


AERIAL VIEW



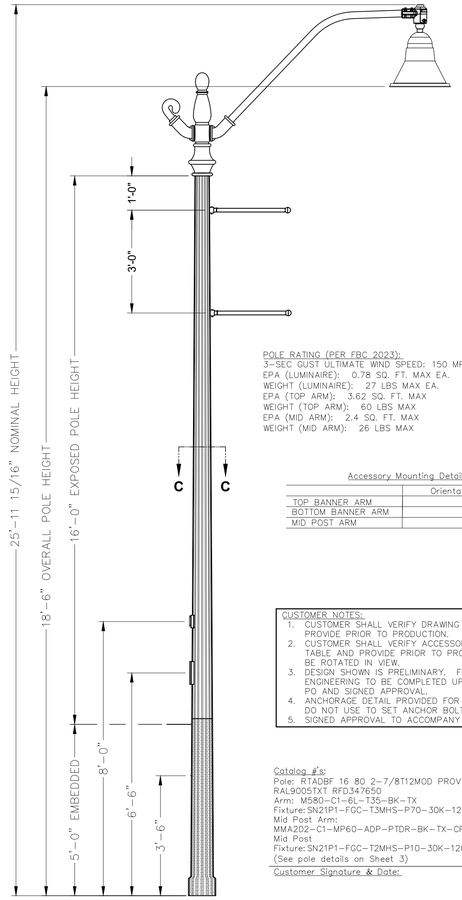
A TYPICAL HERITAGE TREE RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



B TYPICAL RECEPTACLE BOLLARD INSTALLATION DETAIL

SCALE: N.T.S.



POLE RATING (PER FBC 2023):
3-SEC GUST ULTIMATE WIND SPEED: 150 MPH MAX
EPA (LUMINAIRE): 0.78 SQ. FT. MAX EA.
WEIGHT (LUMINAIRE): 27 LBS MAX EA.
EPA (TOP ARM): 3.62 SQ. FT. MAX
WEIGHT (TOP ARM): 60 LBS MAX
EPA (MID ARM): 2.4 SQ. FT. MAX
WEIGHT (MID ARM): 26 LBS MAX

Accessory Mounting Detail

	Orientation
TOP BANNER ARM	
BOTTOM BANNER ARM	
MID POST ARM	

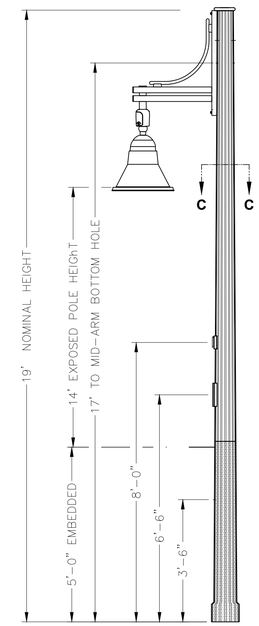
CUSTOMER NOTES:
1. CUSTOMER SHALL VERIFY DRAWING DETAILS AND PROVIDE PRIOR TO PRODUCTION.
2. CUSTOMER SHALL VERIFY ACCESSORY LOCATION IN TABLE AND PROVIDE PRIOR TO PRODUCTION. MAY BE ROTATED IN VIEW.
3. DESIGN SHOWN IS PRELIMINARY. FINAL ENGINEERING TO BE COMPLETED UPON RECEIPT OF PO AND SIGNED APPROVAL.
4. ANCHORAGE DETAIL PROVIDED FOR VISUAL ONLY – DO NOT USE TO SET ANCHOR BOLTS.
5. SIGNED APPROVAL TO ACCOMPANY PO.

Catalog #'s:
Pole: RTADBF 16 80 2-7/8T12MOD PROV GFI 2BA
RAL9005TXT RFD347650
Arm: M580-C1-6L-T35-BK-TX
Fixture: SN21P1-FGC-T3MHS-P70-30K-120-10KV-ADS-PTDR-BK-TX
Mid Post Arm:
MMA202-C1-MP60-ADP-PTDR-BK-TX-CP6786
Mid Post
Fixture: SN21P1-FGC-T2MHS-P10-30K-120-10KV-ADP-PTDR-DIM-BK-TX
(See pole details on Sheet 3)

Customer Signature & Date:

C TYPICAL STREET LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.



D TYPICAL PEDESTRIAN LIGHT AND POLE INSTALLATION DETAIL

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO G0.01 SIGNATURE SHEET

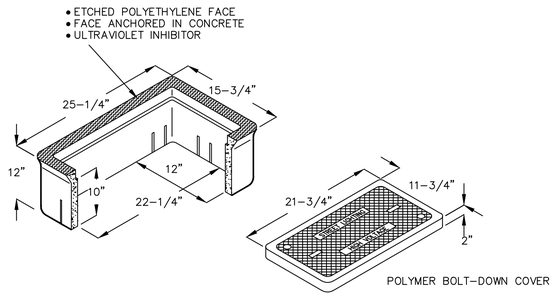
KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

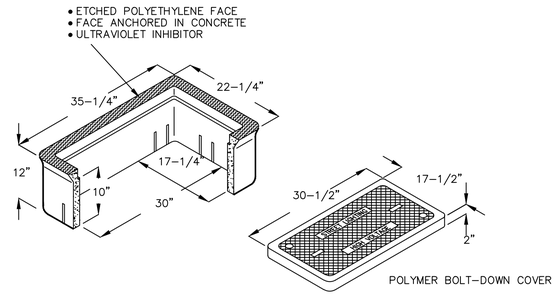
FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA
CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.01

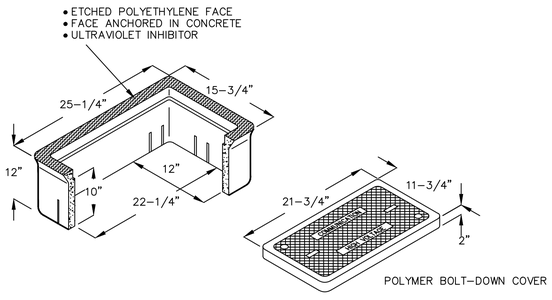
Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.01 January 08, 2025 10:46:34am K:\JAX_LAP\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



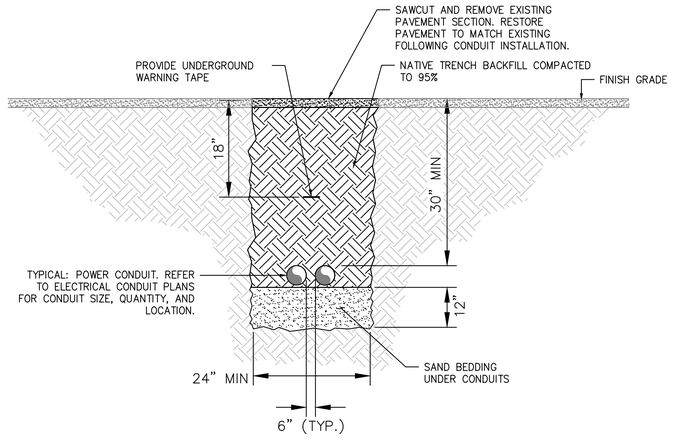
E **TYPICAL NO.5 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



F **TYPICAL NO.7 PULL - BOX INSTALLATION DETAIL**
SCALE: N.T.S.



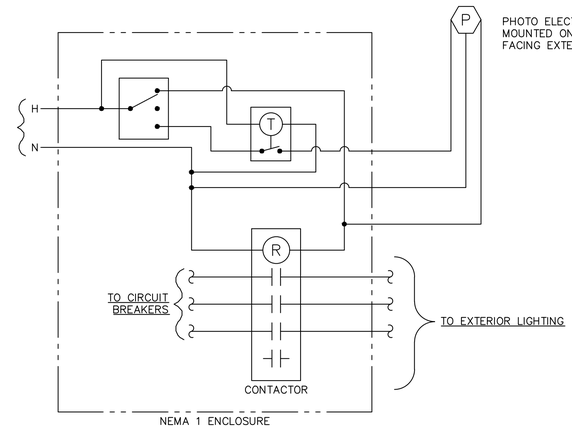
G **TYPICAL COMMUNICATION NO.5 PULL-BOX INSTALLATION DETAIL**
SCALE: N.T.S.



NOTES:

1. ADJUST MINIMUM TRENCH WIDTH TO ACCOMMODATE SPECIFIED CONDUITS IN TRENCH MAINTAINING SEPARATION INDICATED.
2. CEC TABLE 300.5 REQUIRES MINIMUM COVER OF 24" BELOW GRADE UNDER PARKING LOTS AND ROADWAYS. PROVIDE 30" MINIMUM COVER AS INDICATED IN THESE LOCATIONS.
3. CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS INDICATED OTHERWISE ON PLAN VIEW.

Z **TRENCH DETAIL**
SCALE: N.T.S.



H **TYPICAL LIGHTING CONTACTOR AND CONTROL DETAIL**
SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT	142806005
DATE	01/08/2025
SCALE:	AS SHOWN
DESIGNED BY:	KHA
DRAWN BY:	RD
CHECKED BY:	MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
FLORIDA

CITY OF FERNANDINA BEACH

SHEET NUMBER
E3.02

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.02 January 08, 2025 10:46:18am K:\JAX_LAND\142806005 – Fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E001	1"	NEW	1	(2) #10 AWG CONDUCTORS AND (1) #10 GROUND	ALL	ALL	All connections from pullbox to fixture
E002	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	15	Park Lighting
E003	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	14, 15, 20	South Street Lighting, Park Lighting, Street Receptn
E004	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	19, 21	North Street Lighting, Street Receptn
E005	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 21, 23	Center & North 2nd Steet Lighting, Street Receptn
E006	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	18	North 2nd Street Lighting
E007	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 23	North Street Lighting, Street Receptn
E008	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 23	North Street Lighting, Street Receptn
E009	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16	South 3rd Street Lighting
E010	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 24	Center & South 3rd Street Lighting, Street Receptn
E011	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	16, 17, 22, 24	Center & South 3rd Street Lighting, Street Receptn
E012	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13	South 2nd Street Street Lighting
E013	2"	NEW	1	(10) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 16, 17, 22, 24	Center, South 2nd &3rd Street Lighting, Street Receptn
E014	3"	NEW	1	(12) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	17, 18, 19, 20, 21, 23	Street Lighting, Street Receptn
	3"	NEW	1	(14) #6 AWG CONDUCTORS AND (1) #6 GROUND	2A	13, 14, 15, 16, 17, 22, 24	Street Lighting, Street Receptn
E020	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 20	Center Street Lighting, Street Receptn
E021	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	17	North 3rd Street Lighting
E022	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E023	2"	NEW	1	(6) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	16, 17, 20	Center and North 3rd Street Lighting, Street Receptn
E024	2"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCB	22	
E025	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E026	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCB	18	North 4th Street Lighting
E027	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCB	19	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E028	3"	NEW	1	(4) #6 AWG CONDUCTORS	LCB	19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E029	3"	NEW	1	(6) #6 AWG CONDUCTORS	LCB	16, 19, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	
E030	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
E031	1"	NEW	1	(2) #8 AWG CONDUCTORS AND (1) #8 GROUND	LCB	24	Library Parking Lot Lighting
E032	3"	NEW	1	(12) #6 AWG CONDUCTORS	LCB	16, 17, 19, 20, 21, 24	Center & North 4th Street Lighting, Street Receptn
				(2) #4 AWG CONDUCTORS	LCB	22	Center & North 3rd Street Lighting, Street Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LCB	18	Center and North 4th Street Lighting, Street Receptn
	2"	NEW	1	(3) #1 AWG CONDUCTORS AND (1) #8 GROUND	LCB	23/25	Event Power Pedstal
E042	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6GROUND	LCC	16	North East 5th Street Lighting
E043	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16	North East 5th Street Lighting
E044	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	16, 21	Center & North 5th Street Lighting, Receptn
E045	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14	North East 6th Street Lighting
E046	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
E047	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	14	North East 6th Street Lighting
E048	3"	NEW	1	(2) #6 AWG CONDUCTORS	LCC	20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E049	3"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th & 6th Street Lighting, Receptn
				(4) #6 AWG CONDUCTORS	LCC	17, 20	Center, North 5th & 6th Street Lighting, Receptn
E050	3"	NEW	1	(8) #6 AWG CONDUCTORS	LCC	13, 17, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	
E051	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	13	North East 7th Street Lighting
E052	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17	Center Street Lighting
E053	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LCC	17, 18	Center Street Lighting, Receptn
E054	3"	NEW	1	(10) #6 AWG CONDUCTORS	LCC	13, 17, 18, 19, 20	Center, North 5th & 6th Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn
E055	2"	NEW	1	(10) #6 AWG CONDUCTORS (1) #6 GROUND	LCC	13, 17, 18, 19, 20	Center, North 5th, 6th, and 7th Street Lighting, Receptn
	2"	NEW	1	(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LCC	14, 16, 21	Center, North 5th, 6th, and 7th Street Lighting, Receptn

SITE ELECTRICAL CONDUIT AND CONDUCTOR SCHEDULE						
CONDUIT				CONDUCTORS	Panel	Circuit	REMARKS
PATH NO.	SIZE	STATUS	QTY				
E060	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12	South East 3rd Street Lighting
E061	2"	NEW	1	(4) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	12, 16	South East 3rd Street Lighting, Receptn
E062	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E063	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC3	13	South 4th Street Lighting
E064	1"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	South West 5th Street Lighting
E065	2"	NEW	1	(4) #6 AWG CONDUCTORS	LC3	15, 18	South West 5th & Center Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14	
E066	2"	NEW	1	(6) #6 AWG CONDUCTORS	LC3	11, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South West 5th & Center Street Lighting, Receptn
E067	2"	NEW	1	(8) #6 AWG CONDUCTORS	LC3	11, 13, 15, 17	fountain,
				(4) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	14, 18	South 4tth, 5th & Center Street Lighting, Receptn
E068	3"	NEW	1	(10) #6 AWG CONDUCTORS	LC3	11, 13, 15, 16, 17	South 4tth, 5th & Center Street Lighting, Receptn
				(6) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12, 14, 18	South East 3rd Street & Center Lighting, Receptn
E069	2"	NEW	1	(2) #6 AWG CONDUCTORS	LC3	16	South East 3rd Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC3	12	
E070	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	13	Center &South East 5th Street Lighting
E071	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	13, 14	Center &South East 5th Street Lighting, Receptn
				(2) #4 AWG CONDUCTORS	LC4	18	
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	
E072	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	9	South 6th Street Lighting
E073	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	10	South 7th Street Lighting
E074	2"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	11	Center Street Lighting
E075	2"	NEW	1	(2) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	11, 17	Center Street Lighting, Receptn
E076	2"	NEW	1	(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center, South 6th & 7th Street Lighting, Receptn
E077	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	12, 15	Center, South 6th & 7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	
E078	3"	NEW	1	(4) #6 AWG CONDUCTORS	LC4	9, 12, 15	Center &South7th Street Lighting, Receptn
				(8) #4 AWG CONDUCTORS AND (1) #4 GROUND	LC4	10, 11, 16, 17	Center & South 6th Street Lighting, Receptn
E079	2"	NEW	1	(8) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	12, 13, 14, 15	Center, South 5th & 7th Street Lighting, Receptn
	3"	NEW	1	(10) #4 AWG CONDUCTORS	LC4	10, 11, 16, 17, 18	Center, South & 6th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting
E080	1"	NEW	1	(2) #6 AWG CONDUCTORS AND (1) #6 GROUND	LC4	20	North West 5th Street Lighting
E081	2"	NEW	1	(2) #4 AWG CONDUCTORS	LC4	18	Center & North West 5th Street Lighting, Receptn
				(2) #2 AWG CONDUCTORS AND (1) #2 GROUND	LC4	20	North West 5th Street Lighting

SITE COMMUNICATION CONDUIT SCHEDULE					
CONDUIT				CABLE	REMARKS
PATH NO.	SIZE	STATUS	QTY		
C100	3"	NEW	1	PULL STING	All connections from pullbox to pullbox

P CONDUIT AND CONDUCTOR SCHEDULE

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO 00.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING CUTSHEETS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.04

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.04 January 08, 2025 10:46:41am K:\JAX_LAL\P\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.03 January 08, 2025 10:46:46am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00_LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

PANEL NAME (NEW): LC C

LOCATION: NORTH 7TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 125 A
MCB RATING: 125 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1			125	2					1	20	L	LIGHTS	2
3	MAIN								1	20	L	LIGHTS	4
5									1	20	L	LIGHTS	6
7	WEST POWER PEDESTALS	R	100	2					1	20	R	CONTACTOR	8
9									1	20	R	SPRINKLER/TIME CLOCK ON PEDESTAL	10
11	EAST POWER PEDESTALS	R	60	2					1	20	R	CONTACTORS	12
13	**LIGHTING N 7TH**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 6TH**	14
15	SPACE							1,425	1	20	L	**LIGHTING CENTER**	16
17	**LIGHTING CENTER**	L	20	1	1,425	1,260			1	20	R	**CENTER RECEPTACLES**	18
19	**CENTER RECEPTACLES**	R	20	1			1,080	1,080	1	20	R	**CENTER RECEPTACLES**	20
21	**CENTER RECEPTACLES**	R	20	1	1,260							SPACE	22
23	SPACE	R	20	1								SPACE	24
					TOTAL LOAD:		6,395 VA		TOTAL LOAD:			3,585 VA	
					TOTAL AMPS:		53.3 A		TOTAL AMPS:			29.9 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	9980
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11305
RECEPTACLE (R)	4680.0	100.00%	4680.0	TOTAL CONN. (A):	41.6
LIGHTING (L)	5300.0	125.00%	6625.0	TOTAL EST. DEMAND (A):	47.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	38%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

NOTES:
REMOVE THE EXISTING ELECTRICAL PANEL AND CAREFULLY DISCONNECT ALL ASSOCIATED WIRING. INSTALL A NEW 120/240V, 1-PHASE, 200A NEMA 1 DISTRIBUTION PANEL IN THE SAME LOCATION. REPLACE EXISTING BREAKERS WITH NEW BREAKERS MATCHING THE SPECIFICATIONS, RATINGS, AND CONFIGURATIONS OF THE ORIGINAL BREAKERS TO PROTECT ALL EXISTING CIRCUITS. RECONNECT ALL EXISTING WIRING TO THE NEW PANEL IN ACCORDANCE WITH THE ORIGINAL CONFIGURATION, ENSURING COMPLIANCE WITH NEC AND LOCAL ELECTRICAL CODES. TEST THE PANEL AND BREAKERS FOR PROPER OPERATION, AND PROVIDE AS-BUILT DOCUMENTATION, INCLUDING AN UPDATED PANEL SCHEDULE.

I PANEL LCC PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 4

LOCATION: SOUTH 6TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHT	L	30	1					1	30	L	STREET LIGHT	2
3	PHOTO CELL	R	20	1					1	30	L	STREET LIGHT	4
5	OUTLET BELOW	R	20	1					1	20	L	LIGHT IN THIS CABINET	6
7	EXISTING	L	20	1					1	20	R	IRRIGATION TIME CLOCK	8
9	**LIGHTING SOUTH 6TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 7TH**	10
11	**LIGHTING CENTER (EAST)**	L	20	1			1,625	1,135	1	20	L	**LIGHTING CENTER**	12
13	**LIGHTING CENTER**	L	20	1	1,825	1,260			1	20	R	**RECEPTACLES W 6TH**	14
15	**RECEPTACLES E 6TH**	R	20	1			1,260	1,260	1	20	R	**RECEPTACLES E 7TH**	16
17	**RECEPTACLES E 7TH**	R	20	1	720							SPACE	18
19	SPACE											SPACE	20
					TOTAL LOAD:		6,010 VA		TOTAL LOAD:			5,280 VA	
					TOTAL AMPS:		50.1 A		TOTAL AMPS:			44 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	11290
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	12987.5
RECEPTACLE (R)	4500.0	100.00%	4500.0	TOTAL CONN. (A):	47
LIGHTING (L)	6790.0	125.00%	8487.5	TOTAL EST. DEMAND (A):	54.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	27%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

J PANEL LC4 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 3

LOCATION: SOUTH 4TH ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	2
3	STREET LIGHTS	L	20	1					1	30	L	STREET LIGTHS	4
5	OUTLET BELOW	R	20	1					1	20	L	STREET LIGTHS	6
7	STREET LIGHTS	L	30	1					1	30	L	STREET LIGTHS	8
9	STREET LIGHTS	L	30	1					1	20	R	SPRINKLER/FOUNTAIN TIME CLOCK	10
11	FOUNTAIN	M	20	1			1,600	1,180	1	20	L	**LIGHTING SOUTH 3RD**	12
13	**LIGHTING SOUTH 4TH**	L	20	1	1,225	980			1	20	L	**LIGHTING SOUTH 5TH**	14
15	**LIGHTING CENTER**	L	20	1			1,335	1,080	1	20	R	**RECEPTACLES S CENTER**	16
17	**RECEPTACLES S CENTER**	R	20	1	1,260	900			1	20	R	**RECEPTACLES S CENTER**	18
19	SPACE											SPACE	20
					TOTAL LOAD:		4,365 VA					5,195 VA	
					TOTAL AMPS:		36.4 A					43.3 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	1600.0	125.00%	2000.0	TOTAL CONN. LOAD (VA):	9560
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	11140
RECEPTACLE (R)	3240.0	100.00%	3240.0	TOTAL CONN. (A):	39.8
LIGHTING (L)	4720.0	125.00%	5900.0	TOTAL EST. DEMAND (A):	46.4
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	23%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

K PANEL LC3 PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING) : LC B

LOCATION: NORTH 3RD ST & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1	POWER PEDISTAL	R	100	2					1	30	L	N. 3RD STREET LIGHTS	2
3									1	30	L	LIGHTS	4
5	LIGHTS	L	30	1					1	30		EXISTING	6
7	LIBRARY PARKING LIGHTS	L	30	1					1	20		EXISTING	8
9	EXISTING		20	1					1	20		EXISTING	10
11	EXISTING		20	1					2	30		EXISTING	12
13			100	2									14
15	EXISTING							980	1	20	L	**LIGHTING CENTER ST**	16
17	**LIGHTING N 3RD**	L	20	1	1,225	1,225			1	20	L	**LIGHTING N 4TH**	18
19	**LIGHTING CENTER ST**	L	20	1			890	540	1	20	R	**RECEPTACLES W 3RD**	20
21	**RECEPTACLES E 3RD**	R	20	1	1,080	1,440			1	20	R	**RECEPTACLES E 3RD**	22
23	**POWER PEDISTAL**	R	100	2				204	1	20	L	**LIBRARY PARKING LIGHTS**	24
25												SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		4,970 VA		TOTAL LOAD:			2,614 VA	
					TOTAL AMPS:		41.4 A		TOTAL AMPS:			21.8 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	7584
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	8715
RECEPTACLE (R)	3060.0	100.00%	3060.0	TOTAL CONN. (A):	31.6
LIGHTING (L)	4524.0	125.00%	5655.0	TOTAL EST. DEMAND (A):	36.3
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	18%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

L PANEL LCB PANEL SCHEDULE

SCALE: N.T.S.

PANEL NAME (EXISTING): LC 2/A

LOCATION: SOUTH 2ND & CENTERE ST
SUPPLY FROM: SES
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/240V
PHASES: 1
WIRES: 3

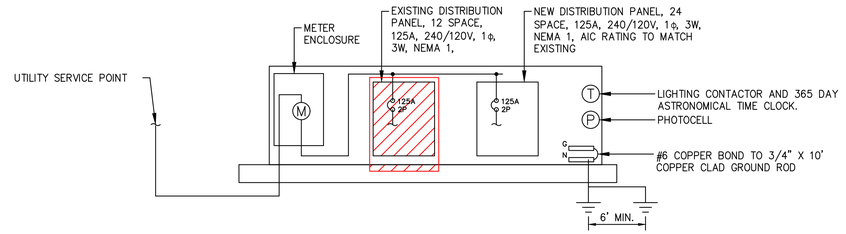
AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

CKT	CIRCUIT DESCRIPTION	LOAD TYPE	TRIP	POLES	A (VA)		B (VA)		POLES	TRIP	LOAD TYPE	CIRCUIT DESCRIPTION	CKT
1		R	100	2					2	80	R		2
3	MAIN											PEDS. NORTH 2ND WEST SIDE	4
5	PED SOUTH 2ND	L	20	1					2	100	R		6
7	EAST WEST SIDE	L	20	1								PEDS NORTH 2ND CENTERE ST	8
9	PED SOUTH 2ND	L	20	1					1	20	L	STREET LIGHTS SOUTH WEST	10
11	EAST WEST	L	20	1					1	20	R	PHOTCELL BYPASS SWITCH	12
13	**LIGHTING SOUTH 2ND**	L	20	1	1,225	935			1	20	L	**LIGHTING SOUTH CENTRE**	14
15	**LIGHTING PARK**	L	20	1			729	1,129	1	20	L	**LIGHTING SOUTH 3RD**	16
17	**LIGHTING CENTRE**	L	20	1	1,129	1,225			1	20	L	**LIGHTING NORTH 2ND**	18
19	**LIGHTING NORTH CENTRE**	L	20	1			1,335	1,800	1	20	R	**RECEPTACLES S CENTER**	20
21	**RECEPTACLES N CENTER**	R	20	1	1,080	720			1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	22
23	**RECEPTACLES N CENTER (EAST OF 2ND)**	R	20	1			900	1,080	1	20	R	**RECEPTACLES S CENTER (EAST OF 2ND)**	24
25	**RECEPTACLES N CENTER**	R	20	1	900							SPACE	26
27	SPACE											SPACE	28
29	SPACE											SPACE	30
					TOTAL LOAD:		7,214 VA					6,973 VA	
					TOTAL AMPS:		60.1 A					58.1 A	

LOAD CLASSIFICATION	CONNECTED LOAD: (VA)	DEMAND FACTOR	EST. DEMAND (VA)	PANEL TOTALS	
LARGEST MOTOR LOAD (M)	0.0	125.00%	0.0	TOTAL CONN. LOAD (VA):	14187
HVAC (H) & ALL OTHER MOTORS (M)	0.0	100.00%	0.0	TOTAL EST. DEMAND (VA):	16113.75
RECEPTACLE (R)	6480.0	100.00%	6480.0	TOTAL CONN. (A):	59.1
LIGHTING (L)	7707.0	125.00%	9633.8	TOTAL EST. DEMAND (A):	67.1
EQUIPMENT (E)	0.0	100.00%	0.0	PERCENT LOADED:	67%
OTHER (O) (SEE NOTES)	0.0	0.00%	0.0		

M PANEL LC2/A PANEL SCHEDULE

SCALE: N.T.S.



N METER PEDESTAL SINGLE LINE DIAGRAM (PANEL LCC)

SCALE: N.T.S.

Panel Name	Existing Load (kW)	Removed Load (kW)	New Load (kW)	Total Load (kW)	Panel Capacity (kW)	Percent Loaded
Panel LCC	3.39	2.37	11.3	12.32	30	41%
Panel LC4	2.46	1.72	15.9	16.64	48	35%
Panel LC3	58.66	41.06	11.14	28.74	48	60%
Panel LCB	3.84	2.69	8.7	9.85	48	21%
Panel LC2A	1.67	1.17	16.11	16.61	48	35%

EXISTING LOADS WERE DETERMINED BASED ON THE PEAK ENERGY CONSUMPTION RECORDED DURING THE HIGHEST-USE MONTH IN THE BILLING HISTORY

O PANEL LOAD SUMMARY (ALL PANELS)

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CS.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.03

cyclone

Campana SN21P1
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

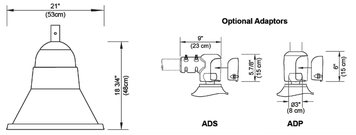
Ordering Code

Model	Lens	Distribution	Performance Package	CCT	Volts	Surge Protector
SN21P1	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 * Backward optic	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ACS	DIM 0-10 volts wire for external controls PND506 Program 50% for 6 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD* Field adjustable 10% increment step-dimming switch * Contact factory for wireless controls and more information regarding SD option.	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 0.78 ft² **Weight:** 23.6 lbs / 10.7 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 **www.cyclonelighting.com**
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2023 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2023/07

Q TYPE T2 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

cyclone

Campana CN55P1A
Approval – Specification

Project: **Order:**
Qty: **Luminaire:** **Type:**

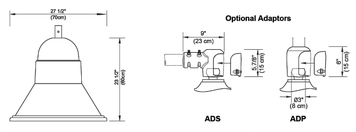
Ordering Code

Model	Lens	Distribution	Performance package	CCT	Volts	Surge protector
CN55P1A	FGC Flat Glass Clear FGF Flat Glass Frosted NL* No Lens * Consult factory for IP rating when the No Lens option is selected.	T1 Type 1 T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 TCW Crosswalk * Backward optic T3M81A	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm) P80 (17500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Adaptor	Photocell	Dimming	Color	Texture	Pre-finish
– Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.2" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor	– PC Button type photocell PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR* W/7-PIN receptacle (ANSI C136.41) * PTDR option only available with ADS	– DIM 0-10 volts wire for external controls PND506 Program 50% for 8 hours (11PM to 5AM) PND508 Program 50% for 8 hours (9PM to 5AM) SD Field adjustable 10% increment step-dimming switch	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GRH* Graphite Holophane GRY* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	TX Textured SM Smooth	– MG Marine grade pre-finish

*** Backward optic:** The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.



EPA: 1.25 ft² **Weight:** 55.3 lbs / 25.1 kg

Stamp/Approval:
Name: **Date:**

Name: Page 2 of 2
Date:

Cyclone Lighting: 2175 Des Entreprises Blvd, Terrebonne (QC) Canada J6Y 1W9 www.cyclonelighting.com
Phone: 1-866-436-5500 - info@cyclonelighting.com © 2024 Acuity Brands Lighting, Inc. All Rights Reserved. Rev. 2024/06

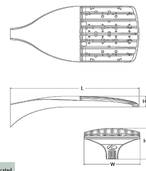
R TYPE T1 & T3 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

D-Series Size 1
LED Area Luminaire

dsx series

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Catalog Number
Notes
Type

Fill the Tab key or mouse over the page to see all interactive elements.

Introduction
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.
The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Design Select options indicated by this color background.

design select
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information
EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P6 P2 P7 P3 P8 P4 P9 P5 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare[2] T4M Type IV medium T4LG Type IV low glare[2] TFTM Forward throw medium T5M Type V medium T5G Type V low glare T5W Type V wide BLC3 Type III backlight control[3] BLC4 Type IV backlight control[3] LCCO Left corner cutoff[3] RCCO Right corner cutoff[3]	MVOLT (120V-277V)[4] HVOLT (347V-480V)[5,6] VHVOLT (277V-480V)[5,6] 120[4,36] 208[4,36] 240[4,36] 277[4,36] 347[4,36] 480[4,36]	**Shipped included** SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling[4] RPA5 Round pole mounting #5 drilling[4] SPA8N Square narrow pole mounting (#8 drilling) WBA Wall bracket[4] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options		Other options		Finish (required)	
Shipped installed		**Shipped installed**		DDBXD Dark Bronze	
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[7,11,35,37]	PER7 Seven-pin receptacle only (controls ordered separately)[8,37]	SPD20KV 20KV surge protection		DBLBD Black	
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[35,37]	FAO Field adjustable output[14,37]	HS Houseside shield (black finish standard)[37]		DNAXD Natural Aluminum	
PER NEMA twist-lock receptacle only (controls ordered separately)[8]	BL30 Bi-level switched dimming, 30%[9,37]	L90 Left rotated optics[1]		DWHXD White	
PERS Five-pin receptacle only (controls ordered separately)[8,37]	BL50 Bi-level switched dimming, 50%[9,37]	R90 Right rotated optics[1]		DDBTXD Textured dark bronze	
	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[37]	CCE Coastal Construction[35]		DBLBXD Textured black	
	DS Dual switching[10,11,37]	HA 50°C ambient operation[36]		DNATXD Textured natural aluminum	
		BAA Buy America(n) Act and/or Build America Buy America Qualified		DWHGXD Textured white	
		SF Single fuse (120, 277, 347V)[4]			
		DF Double fuse (208, 240, 480V)[4]			
		Shipped separately			
		EGSR External Glare Shield (reversible, field install required, matches housing finish)			
		BSDB Bird Spikes (field install required)			

LITHONIA LIGHTING
COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2011-2024 Acuity Brands Lighting, Inc. All rights reserved.

S TYPE T4 LIGHT FIXTURE DETAILS
SCALE: N.T.S.

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

REVISIONS | DATE | BY | No.

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO C0.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: RD
CHECKED BY: MAJ

LIGHTING DETAILS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH
CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.05

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.05 January 08, 2025 10:46:53am K:\JAX_LAD\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.00 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Fuchs, Zach Sheet Set:FERNANDINA BEACH STREETSCAPE Layout:E3.06 January 08, 2025 10:47:05am K:\JAX_LAND\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Panel LCC - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	15	120	1	0.11%	2
3	STA7014+73.40	2	13,336	NM	Copper	1	Set of	6	6.1	212	120	1	1.06%	3
4	STA7016+58.49	3	1,247	NM	Copper	1	Set of	6	4.066667	203	120	1	1.67%	4
5	STA7018+09.25	4	667	NM	Copper	1	Set of	6	2.033333	171	120	1	1.92%	5

Panel LCC - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.16667	340	120	1	1.67%	2
3	STA6015+06.01	2	1,308	NM	Copper	1	Set of	4	6.1	170	120	1	2.17%	3
4	STA6016+70.34	3	881	NM	Copper	1	Set of	6	4.066667	190	120	1	2.74%	4
5	STA6018+26.76	4	560	NM	Copper	1	Set of	6	2.033333	175	120	1	3.00%	5

Panel LCC - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA113+97.05	1	42,472	NM	Copper	1	Set of	4	8.316667	335	120	1	1.35%	2
3	STA113+38.13	2	1,327	NM	Copper	1	Set of	4	6.283333	108	120	1	1.67%	3
4	STA112+78.87	3	1,011	NM	Copper	1	Set of	6	4.25	185	120	1	2.25%	4
5	STA111+98.46	4	616	NM	Copper	1	Set of	6	2.216667	113	120	1	2.43%	5
6	STA5017+32.87	5	497	NM	Copper	1	Set of	6	2.033333	382	120	1	3.00%	6

Panel LCC - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	12.38333	53	120	1	0.48%	2
3	STA117+15.14	2	4,871	NM	Copper	1	Set of	6	6.283333	64	120	1	0.78%	3
4	STA117+98.92	3	2,354	NM	Copper	1	Set of	8	4.25	212	120	1	1.81%	4
5	STA118+30.81	4	642	NM	Copper	1	Set of	8	4.066667	160	120	1	2.56%	5
6	STA119+33.81	5	414	NM	Copper	1	Set of	8	2.033333	156	120	1	2.93%	6

Panel LCC - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 5	1	42,472	NM	Copper	1	Set of	8	10.5	179	120	1	2.16%	2
3	LCC RECEPTACLE 1	2	1,019	NM	Copper	1	Set of	10	3	119	120	1	2.82%	3
4	LCC RECEPTACLE 2	3	502	NM	Copper	1	Set of	10	1.5	29	120	1	2.90%	4

Panel LCC - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 4	1	42,472	NM	Copper	1	Set of	10	9	52	120	1	0.86%	2
3	LCC PULL BOX 6	2	2,149	NM	Copper	1	Set of	10	4.5	104	120	1	1.72%	3
4	LCC RECEPTACLE 3	3	741	NM	Copper	1	Set of	10	3	25	120	1	1.85%	4
5	LCC RECEPTACLE 4	4	641	NM	Copper	1	Set of	10	1.5	49	120	1	1.99%	5

Panel LCC - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	234	120	1	1.54%	2
3	LCC RECEPTACLE 5	2	1,211	NM	Copper	1	Set of	10	4.5	116	120	1	2.50%	3
4	LCC RECEPTACLE 6	3	552	NM	Copper	1	Set of	10	3	39	120	1	2.72%	4
5	LCC RECEPTACLE 7	4	467	NM	Copper	1	Set of	10	1.5	32	120	1	2.80%	5

Panel LCC - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCC PULL BOX 8	1	42,472	NM	Copper	1	Set of	4	10.5	398	120	1	2.02%	2
3	LCC PULL BOX 9	2	1,123	NM	Copper	1	Set of	6	6	135	120	1	2.61%	3
4	LCC PULL BOX 10	3	739	NM	Copper	1	Set of	6	3	66	120	1	2.76%	4
5	LCC RECEPTACLE 8	4	633	NM	Copper	1	Set of	10	1.5	49	120	1	2.89%	5

T PANEL LCC VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LCB - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	8.133333	212	120	1	1.26%	2
3	LCB PULL BOX 2	2	1,332	NM	Copper	1	Set of	6	4.066667	99	120	1	1.56%	3
4	STA104+88.04	3	917	NM	Copper	1	Set of	6	2.033333	55	120	1	1.64%	4

Panel LCB - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.16667	19	120	1	0.14%	2
3	STA3015+16.35	2	11,274	NM	Copper	1	Set of	6	6.1	126	120	1	0.71%	3
4	STA3015+93.43	3	1,920	NM	Copper	1	Set of	6	4.066667	279	120	1	1.54%	4
5	STA3017+56.28	4	677	NM	Copper	1	Set of	6	2.033333	176	120	1	1.80%	5

Panel LCB - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	2	10.16667	454	120	1	1.46%	2
3	STA4016+04.97	8	835	NM	Copper	1	Set of	6	4.066667	88	120	1	2.20%	3
4	STA4017+66.55	3	667	NM	Copper	1	Set of	6	2.033333	177	120	1	2.47%	4
5	STA4015+16.88	2	1,540	NM	Copper	1	Set of	6	6.1	100	120	1	1.91%	5
6	STA4016+78.17	5	1,008	NM	Copper	1	Set of	6	4.066667	161	120	1	2.39%	6
7	STA4018+41.62	6	647	NM	Copper	1	Set of	6	2.033333	164	120	1	2.63%	7
8	P8 4TH STREET	2	1,540	NM	Copper	1	Set of	6	4.066667	160	120	1	1.94%	8

Panel LCB - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	4.433333	357	120	1	1.16%	2
3	LCB PULL BOX 4	2	801	NM	Copper	1	Set of	6	4.25	121	120	1	1.54%	3
4	LCB PULL BOX 6	3	601	NM	Copper	1	Set of	6	2.216667	40	120	1	1.60%	4
5	LCB PULL BOX 7	4	556	NM	Copper	1	Set of	6	0.183333	83	120	1	1.61%	5

Panel LCB - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE 1	1	42,472	NM	Copper	1	Set of	6	4.5	335	120	1	1.11%	2
3	LCB RECEPTACLE 2	2	853	NM	Copper	1	Set of	10	3	25	120	1	1.24%	3
4	LCB RECEPTACLE 3	3	722	NM	Copper	1	Set of	10	1.5	30	120	1	1.33%	4

Panel LCB - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 8	1	42,472	NM	Copper	1	Set of	6	9	270	120	1	1.78%	2
3	LCB PULL BOX 5	2	1,053	NM	Copper	1	Set of	6	1.5	115	120	1	1.91%	3

Panel LCB - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 4	1	42,472	NM	Copper	1	Set of	4	12	445	120	1	2.58%	2
3	LCB PULL BOX 6	2	1,007	NM	Copper	1	Set of	4	7.5	34	120	1	2.70%	3
4	LCB RECEPTACLE 4	3	937	NM	Copper	1	Set of	6	3	91	120	1	2.90%	4
5	LCB RECEPTACLE 5	4	725	NM	Copper	1	Set of	10	1.5	20	120	1	2.96%	5
6	R1	3	937	NM	Copper	1	Set of	10	4.5	20	120	1	2.87%	6
7	R2	6	808	NM	Copper	1	Set of	10	3	16	120	1	2.96%	7
8	R3	7	728	NM	Copper	1	Set of	10	1.5	16	120	1	3.00%	8

Panel LCB - Circuit 23&25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB RECEPTACLE BOLLARD 1	1	42,472	NM	Copper	1	Set of	1	30	261	240	1	1.04%	2

Panel LCB - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LCB PULL BOX 9	1	42,472	NM	Copper	1	Set of	6	1.7	102	120	1	0.13%	2
3	LCB LIGHT 1	2	2,679	NM	Copper	1	Set of	8	0.85	137	120	1	0.26%	3

U PANEL LCB VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC4- Circuit 9

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	8	10.16667	17	120	1	0.20%	2
3	STA6011+93.15	2	8,736	NM	Copper	1	Set of	8	6.1	105	120	1	0.94%	3
4	STA6010+44.34	3	1,479	NM	Copper	1	Set of	8	4.066667	170	120	1	1.73%	4
5	STA6009+63.82	4	631	NM	Copper	1	Set of	8	2.033333	101	120	1	1.97%	5

Panel LC4 - Circuit 10

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 1	1	42,472	NM	Copper	1	Set of	4	8.133333	377	120	1	1.48%	2
3	STA7012+89.95	2	1,184	NM	Copper	1	Set of	8	4.066667	204	120	1	2.44%	3
4	STA7010+75.45	3	517	NM	Copper	1	Set of	8	2.033333	227	120	1	2.97%	4

Panel LC4- Circuit 11

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.5	477	120	1	1.96%	2
3	LC4 PULL BOX 3	2	941	NM	Copper	1	Set of	4	6.283333	124	120	1	2.34%	3
4	STA118+61.55	3	750	NM	Copper	1	Set of	6	4.066667	120	120	1	2.69%	4
5	STA119+33.55	4	573	NM	Copper	1	Set of	6	2.033333	117	120	1	2.87%	5

Panel LC4 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	8	6.466667	220	120	1	1.64%	2
3	LC4 PULL BOX 5	2	833	NM	Copper	1	Set of	8	4.25	85	120	1	2.05%	3
4	STA116+16.09	3	604	NM	Copper	1	Set of	8	2.033333	124	120	1	2.34%	4

Panel LC4 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	6	10.71667	106	120	1	0.83%	2
3	LC4 PULL BOX 7	2	2,584	NM	Copper	1	Set of	6	8.5	140	120	1	1.71%	3
4	LC4 PULL BOX 8	3	1,153	NM	Copper	1	Set of	6	6.283333	86	120	1	2.10%	4
5	STA5013+17.45	4	861	NM	Copper	1	Set of	8	4.066667	84	120	1	2.49%	5
6	STA5011+58.93	5	621	NM	Copper	1	Set of	8	2.033333	175	120	1	2.90%	6

Panel LC4 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 6	1	42,472	NM	Copper	1	Set of	8	10.5	108	120	1	1.30%	2
3	LC4 RECEPTACLE 1	2	1,663	NM	Copper	1	Set of	8	4.5	149	120	1	2.08%	3
4	LC4 PULL BOX 8	3	715	NM	Copper	1	Set of	10	3	95	120	1	2.60%	4

Panel LC4 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 4	1	42,472	NM	Copper	1	Set of	6	10.5	214	120	1	1.65%	2
3	LC4 PULL BOX 5	2	1,320	NM	Copper	1	Set of	10	6	84	120	1	2.57%	3
4	LC4 RECEPTACLE 9	3	680	NM	Copper	1	Set of	10	1.5	121	120	1	2.90%	4

Panel LC4 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	10.5	480	120	1	2.44%	2
3	LC4 RECEPTACLE 6	2	935	NM	Copper	1	Set of	10	4.5	16	120	1	2.57%	3
4	LC4 RECEPTACLE 7	3	830	NM	Copper	1	Set of	10	3	47	120	1	2.83%	4
5	LC4 RECEPTACLE 8	4	623	NM	Copper	1	Set of	10	1.5	27	120	1	2.90%	5

Panel LC4 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 3	1	42,472	NM	Copper	1	Set of	4	6	618	120	1	1.79%	2
3	LC4 RECEPTACLE 3	2	730	NM	Copper	1	Set of	10	4.5	100	120	1	2.62%	3
4	LC4 RECEPTACLE 4	3	451	NM	Copper	1	Set of	10	3	34	120	1	2.80%	4
5	LC4 RECEPTACLE 5	4	399	NM	Copper	1	Set of	10	1.5	30	120	1	2.89%	5

Panel LC4 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	4	9	440	120	1	1.91%	2
3	LC4 RECEPTACLE 10	2	1,018	NM	Copper	1	Set of	10	6	20	120	1	2.13%	3
4	LC4 RECEPTACLE 11	3	868	NM	Copper	1	Set of	10	4.5	30	120	1	2.38%	4
5	LC4 RECEPTACLE 12	4	711	NM	Copper	1	Set of	10	3	31	120	1	2.55%	5
6	LC4 RECEPTACLE 13	5	599	NM	Copper	1	Set of	10	1.5	34	120	1	2.65%	6

Panel LC4 - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC4 PULL BOX 9	1	42,472	NM	Copper	1	Set of	2	12.2	440	120	1	1.70%	2
3	STA5015+33.99	2	1,587	NM	Copper	1	Set of	6	6.1	146	120	1	2.35%	3
4	STA5016+34.22	3	884	NM	Copper	1	Set of	6	4.066667	119	120	1	2.71%	4
5	STA5018+11.81	4	650	NM	Copper	1	Set of	6	2.033333	195	120	1	3.00%	5

Y PANEL LC4 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.06

Panel LC2A - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	12	120	1	0.09%	2
3	STA2012+27.34	2	15,457	NM	Copper	1	Set of	6	4.066667	270	120	1	0.88%	3
4	STA2010+41.29	3	1,009	NM	Copper	1	Set of	6	2.033333	197	120	1	1.19%	4

Panel LC2A - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.283333	89	120	1	0.41%	2
3	LC2A PULL BOX 3	2	3,042	NM	Copper	1	Set of	6	4.25	119	120	1	0.78%	3
4	LC2A PULL BOX 4	3	1,357	NM	Copper	1	Set of	6	4.066667	113	120	1	1.12%	4
5	STA100+16.77	4	889	NM	Copper	1	Set of	6	2.033333	52	120	1	1.20%	5

Panel LC2A - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 5	1	42,472	NM	Copper	1	Set of	6	6.1	334	120	1	1.49%	2
3	LC2A PULL BOX 6	2	855	NM	Copper	1	Set of	6	4.066667	28	120	1	1.58%	3
4	STA100+93.57	3	791	NM	Copper	1	Set of	6	2.033333	28	120	1	1.62%	4

Panel LC2A - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	6.466667	323	120	1	1.53%	2
3	LC2A PULL BOX 8	2	884	NM	Copper	1	Set of	6	6.283333	80	120	1	1.90%	3
4	STA3012+76.00	3	711	NM	Copper	1	Set of	6	4.066667	105	120	1	2.21%	4
5	STA3010+73.28	4	566	NM	Copper	1	Set of	6	2.033333	218	120	1	2.54%	5

Panel LC2A - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	6.466667	86	120	1	0.41%	2
3	LC2A PULL BOX 9	2	3,140	NM	Copper	1	Set of	6	2.216667	155	120	1	0.66%	3
4	STA104+02.47	3	1,176	NM	Copper	1	Set of	6	0.183333	126	120	1	0.68%	4

Panel LC2A - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 10	1	42,472	NM	Copper	1	Set of	6	10.16667	167	120	1	1.25%	2
3	STA2014+97.22	2	1,677	NM	Copper	1	Set of	6	6.1	120	120	1	1.78%	3
4	STA2016+65.95	3	892	NM	Copper	1	Set of	6	4.066667	182	120	1	2.32%	4
5	STA2018+18.33	4	613	NM	Copper	1	Set of	6	2.033333	166	120	1	2.57%	5

Panel LC2A - Circuit 19

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	6.65	133	120	1	0.65%	2
3	LC2A PULL BOX 12	2	2,085	NM	Copper	1	Set of	6	4.433333	128	120	1	1.06%	3
4	LC2A PULL BOX 13	3	1,089	NM	Copper	1	Set of	6	2.4	70	120	1	1.19%	4
5	LC2A PULL BOX 14	4	863	NM	Copper	1	Set of	6	2.216667	88	120	1	1.33%	5
6	STA100+29.48	5	685	NM	Copper	1	Set of	6	2.033333	25	120	1	1.37%	6

Panel LC2A - Circuit 20

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	15	87	120	1	0.96%	2
3	LC2A PULL BOX 3	2	3,107	NM	Copper	1	Set of	6	9	116	120	1	1.72%	3
4	LC2A PULL BOX 4	3	1,389	NM	Copper	1	Set of	6	7.5	113	120	1	2.34%	4
5	LC2A RECEPTACLE 1	4	903	NM	Copper	1	Set of	10	3	15	120	1	2.43%	5
6	LC2A RECEPTACLE 2	5	810	NM	Copper	1	Set of	10	1.5	25	120	1	2.50%	6

Panel LC2A - Circuit 21

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 13	1	42,472	NM	Copper	1	Set of	6	9	321	120	1	2.12%	2
3	LC2A RECEPTACLE 3	2	889	NM	Copper	1	Set of	10	3	95	120	1	2.64%	3
4	LC2A RECEPTACLE 4	3	518	NM	Copper	1	Set of	10	1.5	14	120	1	2.68%	4

Panel LC2A - Circuit 22

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 15	1	42,472	NM	Copper	1	Set of	6	7.5	145	120	1	0.80%	2
3	LC2A PULL BOX 16	2	1,920	NM	Copper	1	Set of	6	4.5	118	120	1	1.19%	3
4	LC2A RECEPTACLE 5	3	1,081	NM	Copper	1	Set of	10	3	16	120	1	1.27%	4
5	LC2A RECEPTACLE 6	4	942	NM	Copper	1	Set of	10	1.5	36	120	1	1.37%	5

Panel LC2A - Circuit 23

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 17	1	42,472	NM	Copper	1	Set of	6	7.5	195	120	1	1.07%	2
3	LC2A PULL BOX 9	2	1,445	NM	Copper	1	Set of	10	6	49	120	1	1.61%	3
4	LC2A RECEPTACLE 7	3	902	NM	Copper	1	Set of	10	1.5	128	120	1	1.96%	4

Panel LC2A - Circuit 24

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 7	1	42,472	NM	Copper	1	Set of	6	9	318	120	1	2.10%	2
3	LC2A RECEPTACLE 8	2	898	NM	Copper	1	Set of	10	4.5	84	120	1	2.79%	3
4	LC2A RECEPTACLE 9	3	547	NM	Copper	1	Set of	10	3	24	120	1	2.92%	4
5	LC2A RECEPTACLE 10	4	492	NM	Copper	1	Set of	10	1.5	29	120	1	3.00%	5

Panel LC2A - Circuit 25

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC2A PULL BOX 11	1	42,472	NM	Copper	1	Set of	6	7.5	133	120	1	0.73%	2
3	LC2A RECEPTACLE 11	2	2,085	NM	Copper	1	Set of	10	6	16	120	1	0.91%	3
4	LC2A RECEPTACLE 12	3	1,625	NM	Copper	1	Set of	10	4.5	22	120	1	1.09%	4
5	LC2A RECEPTACLE 13	4	1,246	NM	Copper	1	Set of	10	3	30	120	1	1.25%	5
6	LC2A RECEPTACLE 14	5	946	NM	Copper	1	Set of	10	1.5	34	120	1	1.33%	6

W PANEL LC1A VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

Panel LC3 - Circuit 12

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	4	8.316667	297	120	1	1.19%	2
3	STA106+02.04	2	1,491	NM	Copper	1	Set of	6	6.1	114	120	1	1.70%	3
4	STA3011+79.48	3	942	NM	Copper	1	Set of	6	4.066667	204	120	1	2.31%	4
5	STA3009+82.00	4	568	NM	Copper	1	Set of	6	2.033333	217	120	1	2.64%	5

Panel LC3 - Circuit 13

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 1	1	42,472	NM	Copper	1	Set of	6	10.16667	10	120	1	0.07%	2
3	STA4013+13.27	2	17,290	NM	Copper	1	Set of	6	6.1	97	120	1	0.51%	3
4	STA4011+46.64	3	2,561	NM	Copper	1	Set of	6	4.066667	368	120	1	1.61%	4
5	STA4009+72.12	4	605	NM	Copper	1	Set of	6	2.033333	198	120	1	1.90%	5

Panel LC3 - Circuit 14

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	STA110+79.14	1	42,472	NM	Copper	1	Set of	4	8.133333	502	120	1	1.97%	2
3	STA5012+39.86	2	895	NM	Copper	1	Set of	4	6.1	190	120	1	2.53%	3
4	STA5010+81.80	3	653	NM	Copper	1	Set of	4	4.066667	170	120	1	2.87%	4
5	STA5009+72.63	4	526	NM	Copper	1	Set of	4	2.033333	130	120	1	3.00%	5

Panel LC3 - Circuit 15

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	6.65	145	120	1	0.71%	2
3	LC3 PULL BOX 4	2	1,920	NM	Copper	1	Set of	6	4.433333	85	120	1	0.98%	3
4	STA110+22.24	3	1,231	NM	Copper	1	Set of	6	0.366667	152	120	1	1.02%	4
5	STA110+74.43	4	750	NM	Copper	1	Set of	6	0.183333	142	120	1	1.04%	5

Panel LC3 - Circuit 16

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 2	1	42,472	NM	Copper	1	Set of	6	9	289	120	1	1.91%	2
3	LC3 RECEPTACLE 1 ob	2	986	NM	Copper	1	Set of	6	1.5	109	120	1	2.03%	3
4	LC3 RECEPTACLE 1	3	720	NM	Copper	1	Set of	10	1.5	15	15	1	2.36%	4

Panel LC3 - Circuit 17

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 3	1	42,472	NM	Copper	1	Set of	6	10.5	141	120	1	1.09%	2
3	LC3 PULL BOX 4	2	1,972	NM	Copper	1	Set of	6	6	84	120	1	1.46%	3
4	LC3 RECEPTACLE 2	3	1,258	NM	Copper	1	Set of	10	4.5	117	120	1	2.42%	4
5	LC3 RECEPTACLE 3	4	559	NM	Copper	1	Set of	10	3	26	120	1	2.56%	5
6	LC3 RECEPTACLE 4	5	498	NM	Copper	1	Set of	10	1.5	37	120	1	2.67%	6

Panel LC3 - Circuit 18

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	120 / 240 1 ph 100	42472	42,472											1
2	LC3 PULL BOX 5	1	42,472	NM	Copper	1	Set of	4	9	304	120	1	1.32%	2
3	LC3 RECEPTACLE 5	2	1,458	NM	Copper	1	Set of	6	6	165	120	1	2.05%	3
4	LC3 RECEPTACLE 6	3	799	NM	Copper	1	Set of	10	4.5	28	120	1	2.28%	4
5	LC3 RECEPTACLE 7	4	671	NM	Copper	1	Set of	10	1.5	19	120	1	2.33%	5

X PANEL LC3 VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

12740 GRAN BAY PARKWAY WEST, SUITE 2350
JACKSONVILLE, FLORIDA 32258
PHONE: 904-828-3900
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FOR PROFESSIONAL OF RECORD
SIGNATURE AND SEAL
REFER TO CO.01 SIGNATURE SHEET

KHA PROJECT 142806005
DATE 01/08/2025
SCALE: AS SHOWN
DESIGNED BY: KHA
DRAWN BY: NL
CHECKED BY: MAJ

VOLTAGE DROP CALCULATIONS

FERNANDINA BEACH STREETSCAPE IMPROVEMENTS
PREPARED FOR
CITY OF FERNANDINA BEACH

CITY OF FERNANDINA BEACH FLORIDA

SHEET NUMBER
E3.07

Plotted By: Fuchs, Zach Sheet Set: FERNANDINA BEACH STREETSCAPE Layout: E3.07 January 08, 2025 10:47:13am K:\JAX_LAB\142806005 — fernandina beach streetscape\working files\CAD\plan sheets\E3.1 LIGHTING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Print

Historic District Council (HDC) Certificate of Approval (COA) Application - Submission #14832

Date Submitted: 10/16/2024

HISTORIC DISTRICT COUNCIL (HDC): CERTIFICATE OF APPROVAL (COA) APPLICATION

USE THIS FORM TO Apply for BOARD approval for projects in the Downtown or Old Town Historic District or the Community Redevelopment Area (CRA) AND STAFF-LEVEL review for EXTERIOR PAINT and INSTLLATION OF PERVIOUS PAVERS projects ONLY.

NOTE: All other STAFF-LEVEL approvals (i.e, fence, right-of-way, roof) and smaller STAFF-LEVEL project reviews can be submitted with your building permit where reviews will be performed and cost will be assessed simultaneously.

Fees

- ☐ Certificate of Approval (COA): Staff Review $25
- ☐ Certificate of Approval (COA): Board Review - Residential Single Family) $250
- ☐ Certificate of Approval (COA): Board Review - Commercial/Multi-Family/2 or more Residential Units/Mixed Use $400
- ☐ Demolition of a Primary Structure – Non-Contributing $1,500
- ☐ Demolition of a Primary Structure – Contributing $7,500
- ☐ After-the-Fact Certificate of Approval (COA): Staff Review $100
- ☐ After-the-Fact Certificate of Approval (COA): Board Review $1,500
- ☐ Amendment to Previously Approved COA - First Amendment Free, Subsequent Amendments = 1/2 cost of original fees

Basis for Review

All applications, whether Staff or Board review, are reviewed for consistency with the City of Fernandina Beach Comprehensive Plan, Land Development Code, and applicable guidelines such as the Downtown Historic District Design Guidelines, Old Town Fernandina Preservation and Development Guidelines, and the Community Redevelopment Area (CRA) Design Guidelines. Guidelines for the Historic Districts are based on the U.S. Secretary of the Interior's Standards for Rehabilitation.

2024 Submission Deadlines + Board Meetings Calendar

Application Deadline (4:30pm)	Nov 09 2023	Dec 07 2023	Jan 04 2024	Feb 08 2024	Mar 07 2024	Apr 04 2024	May 09 2024	June 06 2024	July 04 2024	Aug 08 2024	Sep 05 2024	Oct 10 2024	Nov 07 2024	Dec 05 2024
Meeting Date	Dec 21 2023	Jan 18 2024	Feb 15 2024	Mar 21 2024	Apr 18 2024	May 16 2024	June 20 2024	July 18 2024	Aug 15 2024	Sep 19 2024	Oct 17 2024	Nov 21 2024	Dec 19 2024	Jan 16 2025

IMPORTANT NOTES

Conceptual Approvals

Conceptual approvals are provided by the HDC as a courtesy to the applicant in an effort to allow comment from the Historic District Council and citizens during the conceptual design process. The HDC will provide the applicant with feedback and guidance relating to the proposal and take a vote to indicate whether the board feels the proposal is adequately appropriate to proceed. In all cases, the applicant must return to the HDC to seek final approval of their projects. There is no additional fee for this review above the Certificate of Approval fee.

Pre-Application Meeting

To guide you through the process and to ensure that your application is properly processed, you'll need to meet with the Preservation Planner prior to submitting your application. This should be done at least 45 days prior to your anticipated submittal date to allow time for review. Staff approval applications are accepted on a rolling basis and are generally completed in 3-5 days. Please note that projects can only begin after receiving a Certificate of Approval (COA) and a building, sign, right-of-way, or zoning permit (if required).

Application Requirements

Please be sure to upload all necessary documents pertaining to your COA request to your COA application or permit application.

- ☐ A complete/ signed application;
- ☐ Proof of Ownership (copy of deed or tax statement);
- ☐ A current survey of the property, for new construction and any change to existing footprint. (no older than two years);
- ☐ Scaled elevations & plans;
- ☐ Photographs;
- ☐ Any additional backup materials, as necessary;
- ☐ If applying as an agent, Owner's Authorization for Agent Representation form must be signed/ notarized and submitted as part of the application;
- ☐ For window replacement, a Window Survey must be completed.

Please see the Land Development Code (LDC) for detailed information:

- ☐ Historic District Overlays – see LDC Section 8.01.01
- ☐ Specific Requirements within the OT-1 and OT-2 Zoning Districts – see LDC Section 8.01.01.02
- ☐ Amelia River Waterfront Community Redevelopment Area – see LDC Section 8.01.02
- ☐ Application Process for Certificate of Approval – see LDC Section 8.03.03
- ☐ Signage in the Historic Districts and Community Redevelopment Area – see LDC Section 8.01.03
- ☐ Requirements for Demolition Applications – see LDC Section 8.03.03.01
- ☐ Appeals - see LDC Section 8.03.09

The LDC is Available for Review at

www.fbfl.us/LDC

Appeals

An applicant may appeal the HDC's decision for variances to a court of record as outlined in LDC Section 10.02.04(D). The petition shall be presented to within thirty (30) days after the decision of the HDC; otherwise the decision of the HDC will be final.

PROJECT TYPE*

Alteration

APPROVAL TYPE*

Board Approval: Conceptual

See Certificate of Approval Matrix for details

Previously Approved Case #

HDC YYYY-##

Have you met with a planner for a pre-application meeting?*

Yes

What was the date of your pre-application meeting?*

10/3/2024

Please apply for a required pre-application meeting using the following link:

HDC Pre-Application Meeting Request

PROPERTY INFORMATION

Property information can be found at the Nassau County Property Appraiser's website → Map Search

Historic District*

Downtown

Site Address*

Centre Street

City*

Fernandina Beach

State*

FL

Zip Code*

32034

Parcel ID #(s)*

N/A

OWNER OF RECORD

As recorded with the Nassau County Property Appraiser

First Name*

City of

Last Name*

Fernandina Beach

Mailing Address*

204 Ash Street

City*

Fernandina Beach

State*

FL

Zip Code*

32034

Telephone Number*

904 310 3314

E-mail Address*

jglisson@fbfl.city

OWNER'S AGENT

If other than owner. If an agent will be representing the owner, an Owner's Authorization For Agent Representation form must be included

Is there an agent other than the owner representing this project?*

No

First Name*

Last Name*

Company (if applicable)

Street Address

City

State

Zip

Telephone Number

E-mail Address

Project Description*

Conceptual Review of the Downtown Revitalization Project.

Describe the proposed project in terms of size, affected architectural elements, materials, and relationship to the existing structure(s).

Design Vision Statement*

For New Construction: Please write a brief design statement explaining the architectural style of your project; what its design draws inspiration from; and how it is architecturally compatible with the surrounding historic neighborhood.

Requirements for Demolition Applications

Per LDC 8.03.03.01

1. Does the structure or site meet national, state, or local criteria for designation?

2. Is the structure or site a contributing structure or site to a locally designated or National Register historic district?

3. Would the loss of the structure or site deteriorate the quality or continuity of the historic district, or the surrounding neighborhood?

4. Is the structure or site is of such design, craftsmanship, or material that it could be reproduced only with great difficulty and/or expense?

5. Is the structure or site one of the last remaining examples of its kind in the neighborhood, county or region, or is a distinctive example of an architectural or design style which contributes to the character of the district?

6. Would the removal of the structure or site destroy the historic relationship between structures or open space?

7. Would retention of the structure or site promotes the general welfare of the City by providing an opportunity for study of local history, architecture, and design, or by developing an understanding of the importance and value of a particular culture and heritage?

8. Have the applicants made good faith efforts to pursue alternatives to demolition?

9. Will the applicant be denied a reasonable return on his or her investment

10. Is there an economic hardship for the applicant as demonstrated by requirements in Section 8.03.06?

11. Has the Code Enforcement and Appeals Board has recommended demolition of the structure?

MATERIALS

List all proposed materials and colors, as applicable

EXTERIOR FABRIC

Manufacturer	Product Description	Color
		(Name/Number)

DOORS

Manufacturer	Product Description	Color
	Include FL Product Approval # for Windows and Doors	(Name/Number)

WINDOWS

Manufacturer	Product Description	Color
	Include FL Product Approval # for Windows and Doors	(Name/Number)

ROOFING

Manufacturer	Product Description	Color (Name/Number)

FASCIA/TRIM

Manufacturer	Product Description	Color (Name/Number)

FOUNDATION

Manufacturer	Product Description	Color (Name/Number)

SHUTTERS

Manufacturer	Product Description	Color (Name/Number)

PORCH/DECK

Manufacturer	Product Description	Color (Name/Number)

FENCING

Manufacturer	Product Description	Color (Name/Number)

DRIVEWAYS/SIDEWALKS

Manufacturer	Product Description	Color
		(Name/Number)

SIGNAGE

Manufacturer	Product Description	Color
		(Name/Number)

OTHER

Manufacturer	Product Description	Color
		(Name/Number)

Please upload supplemental documentation and all product brochures, paint color samples, etc.

Upload 1
Downtown Revitalization Project- 60 Percent Plan Set.pdf

Upload 2
Choose File No fi…sen

Upload 3
Choose File No fi…sen

Upload 4
Choose File No fi…sen

Upload 5
Choose File No fi…sen

Upload 6
Choose File No fi…sen

Upload 7
Choose File No fi…sen

Upload 8
Choose File No fi…sen

Certification*

- [x] By signing below, I certify that the information contained in this application is true and correct to the best of my knowledge at the time of the application.
- [x] I acknowledge that I understand and have complied with all of the submittal requirements and procedures and have read and understand the following:
- [x] I AGREE THAT A POSTING NOTICE WILL BE INSTALLED ON THE PROPERTY(IES) IN QUESTION AND THAT SAID SIGN WILL ONLY BE REMOVED BY STAFF AFTER THE MEETING OR BROUGHT BACK TO CITY HALL BY APPLICANT.

1. I/We hereby attest to the fact that the above supplied property address(es), parcel number(s) and legal description(s) is (are) the true and proper identification of the area of this petition.

2. I/We authorize staff from the Department of Planning & Conservation to enter onto the property in question during regular city business hours in order to take photos which will be placed in the permanent file.

3. I/We understand that the COA review time period will not commence until the application is deemed complete by staff and may take up to 10 days to process. I further understand that an incomplete application submittal may cause my application to be deferred to the next posted deadline date.

4. I/We understand that, for Board review cases, an agenda and staff report will be available on the City's website approximately one week before the Historic District Council meeting.

5. I/We understand that the Historic District Council meetings are conducted in a quasi-judicial hearing and as such, ex-parte communications are prohibited (Communication about your project with a Historic District Council member).

6. I/We understand that the approval of this application by the Historic District Council or staff in no way constitutes approval of a Building Permit for construction from the City of Fernandina Beach Building Department.

7. I/We understand that all changes to the approved scope of work stated in a COA have to be approved by the HDC before work commences on those changes. There will be no charge for a revision to a COA. Making changes that have not been approved can result in a Stop Work Order being placed on the entire project and/or additional fees/penalties.

8. I/We understand that any decision of the HDC may be appealed to the City Commission, with the exception of variances, which may be appealed to a court of record as outlined in Section 10.02.04(D) of the Land Development Code. Petitions to appeal shall be presented within thirty (30) days after the decision of the HDC; otherwise the decision of the HDC will be final.

9. I/We understand that Certificates of Approval are only valid for one (1) year from issuance. They are renewable for six months without cause, and for an additional six months, upon showing of good cause by the applicant. The applicant must submit all requests for extensions in writing and provide appropriate support documentation, if needed.

10. I/We understand that the City Staff will install a Notice of Hearing sign on the property 14 days before the scheduled heating and that the sign must only be removed after the hearing by City Staff, unless, the applicant or property owner brings the Notice of Hearing back to City Hall.

Applicant First Name*

Jeremiah

Applicant Last Name*

Glisson

Today's Date*

10/16/2024

DEPARTMENT OF PLANNING & CONSERVATION

204 Ash Street | Fernandina Beach Florida 32034 | 904 310-3480 | www.fbfl.us/planning

Please make sure to disable pop-up blocker in order to submit.

CERTIFICATE OF APPROVAL (COA) HDC2019-0015
FOR CITY OF FERNANDINA BEACH

Plan Type:	HDC - Board Review	**Project:**		**App Date:**	04/05/2019
Work Class:	Commercial	**District:**	Default	**Exp Date:**	05/06/2019
Status:	Approved	**Square Feet:**	0.00	**Completed:**	04/22/2019
Valuation:	$0.00	**Assigned To:**	Salvatore Cumella	**Approval Expire Date:**	04/21/2020

Description: Certificate of Approval (COA) to construct a 4' aluminum fence with rusticated block columns. Amended 11/21/19 to allow for design changes related to the construction of a 4ft aluminum fence with rusticated block columns.

Parcel:	00-00-31-1800-0268-0010 Main	**Address:**	102 Centre St Fernandina Beach, FL 32034 Main	**Zone:**	C-3(Central Business District)

Applicant
City of Fernandina Beach
204 Ash Street
Fernandina Beach, FL 32034

Activity Type	Activity Number	Name	User	Created On
HDC Application Checklist	APP-000118-2019		Salvatore Cumella	04/05/2019
HDC Decision	DEC-000141-2019		Samantha Rogic	04/22/2019
Notice	NOT-000140-2019		Samantha Rogic	04/22/2019

HISTORIC DISTRICT COUNCIL STAFF REPORT
HDC 2019-15
NOVEMBER 21, 2019

Owner/Applicant:	City of Fernandina Beach
Property Address:	102 Centre Street
Requested action:	Amendment to previously approved Certificate of Approval (COA) for design changes related to the construction of a 4ft aluminum fence with rusticated block columns.
Current zoning:	C-3
FLUM land use category:	Central Business District
Existing uses on the site:	N/A
FL Master Site File #	N/A
Year Built:	N/A
Contributing Status:	N/A

All required application materials have been received. All fees have been paid. All required notices have been made.

SUMMARY OF REQUEST AND BACKGROUND INFORMATION:

The applicant is seeking an amendment to HDC 2019-15.

Certificate of Approval (COA) to construct a 4ft aluminum fence with rusticated block columns. The fence will serve as a barrier between a proposed sidewalk and the railroad tracks running the length of this one block. If approved, this design would be continued on future projects on other sections of the railroad.

APPLICABLE GUIDELINES:

SECRETARY OF THE INTERIOR'S STANDARDS FOR REHABILITATION

CITY OF FERNANDINA BEACH LAND DEVELOPMENT CODE

DOWNTOWN HISTORIC DISTRICT GUIDELINES

Fences and Walls (pg.97)

ANALYSIS:

This proposed fence and support columns are a modern interpretation of fencing/wall types historically seen throughout the Downtown Historic District. The chosen design compliments both the Historic District and the Community Redevelopment Area. The fence will serve as a barrier between the railroad tracks and the new sidewalk in the block between Ash St and Centre St. The fence design will be used if additional fencing is required along the railroad tracks in the future.

The landscape architecture firm of Marquis Latimer & Halback, who is consulting on the waterfront design, offered a recommendation to create more of gateway feature between the downtown Historic District and the waterfront. Their recommendation included adding approximately 30" of rusticated block wall between the first two columns with fence sitting on top, and to alter the end columns to be 12" to 18" higher than the other columns and feature the street signs.

Staff agrees with the recommendations and recommends approval of these design changes.

STAFF RECOMMENDATION:

Staff finds that the requested action, as presented, is consistent with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines.

Staff recommends:

Approval of HDC 2019-15 Amendment

MOTION TO CONSIDER:

I move to **approve or deny** HDC case number 2019-15 **with or without** conditions;

AND I move that the HDC make the following findings of fact and conclusions of law part of the record:

That this amendment to HDC case 2019-15, as presented, **is or is not** substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant approval at this time.

LIST OF EXHIBITS:

EXHIBIT 1 **Fencing at Railroad plans as approved April 18, 2019.**

EXHIBIT 2 **Recommended changes from Marquis Latimer & Halback**

Respectfully Submitted,

Salvatore J. Cumella
Historic Preservation Planner

CERTIFICATE OF APPROVAL (COA) HDC2022-0057
FOR CITY OF FERNANDINA BEACH

Plan Type:	HDC - Board Review	**Project:**		**App Date:**	04/06/2022
Work Class:	Amendment to COA	**District:**	Default	**Exp Date:**	05/06/2022
Status:	Approved	**Square Feet:**	0.00	**Completed:**	04/22/2022
Valuation:	$0.00	**Assigned To:**	Salvatore Cumella	**Approval Expire Date:**	04/24/2023

Description: Certificate of Approval (COA) to construct a 4ft aluminum fence with rusticated block columns. (Quasi-Judicial)

Parcel: 00-00-31-1800-0268-0010 Main	**Address:** 102 Centre St Main Fernandina Beach, FL 32034	**Zone:** C-3(Central Business District)

Owner
City of Fernandina Beach
204 Ash Street
Fernandina Beach, FL 32034

Applicant
City of Fernandina Beach
204 ASH ST
FERNANDINA BEACH, FL 32034
Business: 9043103100

Activity Type	Activity Number	Name	User	Created On
HDC Decision	DEC-001449-2022		Salvatore Cumella	04/22/2022

MUST BE POSTED IN A CONSPICUOUS PLACE

HISTORIC DISTRICT COUNCIL STAFF REPORT
HDC 2022-0057
APRIL 21, 2022

Owner/Applicant:	City of Fernandina Beach
Property Address:	102 Centre Street
Requested action:	Certificate of Approval (COA) to construct a 4ft. aluminum fence with rusticated block columns.
Current zoning:	C-3
FLUM land use category:	Central Business District
Existing uses on the site:	N/A
FL Master Site File #	N/A
Year Built:	N/A
Contributing Status:	N/A

All required application materials have been received. All fees have been paid. All required notices have been made.

SUMMARY OF REQUEST AND BACKGROUND INFORMATION:

The proposed project was originally approved by the HDC on April 18, 2019 and amended to include minor design changes on November 21, 2019 through HDC case number HDC 2019-15. That amended COA expired on April 21, 2020. The applicant is seeking a new COA for the previously approved scope of work.

The applicant is seeking a Certificate of Approval (COA) to construct a 4ft aluminum fence with rusticated block columns. The fence will serve as a barrier between a proposed sidewalk and the railroad tracks running the length of this one block. If approved, this design would be continued on future projects on other sections of the railroad.

APPLICABLE GUIDELINES:

CITY OF FERNANDINA BEACH COMPREHENSIVE PLAN

CITY OF FERNANDINA BEACH LAND DEVELOPMENT CODE

DOWNTOWN HISTORIC DISTRICT GUIDELINES

SECRETARY OF THE INTERIOR'S STANDARDS FOR REHABILITATION

Number	Secretary of the Interior's Standards for Rehabilitation	Findings		
		Complies	Does not Comply	N/A
1	*A property shall be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.*	☒	☐	☐
2	*The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.*	☐	☐	☒
3	*Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings, shall not be undertaken.*	☐	☐	☒
4	*Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved.*	☐	☐	☒
5	*Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a property shall be preserved.*	☐	☐	☒
6	*Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.*	☐	☐	☒
7	*Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.*	☐	☐	☒
8	*Significant archeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken.*	☒	☐	☐
9	*New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.*	☒	☐	☐
10	*New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.*	☒	☐	☐

ANALYSIS:

Walls and fences are found throughout the district. The design guidelines for downtown direct that the construction of new fences and walls use materials that predominated historically or that visually match these materials.

This proposed fence and support columns are a modern interpretation of fencing/wall types historically seen throughout the Downtown Historic District. The chosen design compliments both the Historic District and the Community Redevelopment Area. The fence will serve as a barrier between the railroad tracks and the new sidewalk in the block between Ash St and Centre St. The fence design will be used if additional fencing is required along the railroad tracks in the future.

Included as Exhibit 2 is the original recommendation and historic justification for the design as well as the amended changes to enhance the gateway portions of the fence.

STAFF RECOMMENDATION:

Staff finds that the requested action, as presented, is consistent with the Land Development Code, the Comprehensive Plan, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines.

Staff recommends:

Approval of HDC 2022-0057

MOTION TO CONSIDER:

I move to **approve or deny** HDC case number 2022-0057 **with or without** conditions;

AND I move that the HDC make the following findings of fact and conclusions of law part of the record:

That HDC case 2022-0057, as presented, **is or is not** substantially compliant with the Comprehensive Plan, Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant approval at this time.

LIST OF EXHIBITS:

EXHIBIT 1 **Application & Backup Materials**

EXHIBIT 2 **Fencing at Railroad Recommendation by Department of Planning & Conservation**

EXHIBIT 3 **Previously Approved Certificate of Approval (COA) for HDC 2019-15**

Respectfully Submitted,

Salvatore J. Cumella
Historic Preservation Planner

Print

Historic District Council (HDC) Certificate of Approval (COA) Application - Submission #9752

Date Submitted: 8/18/2022

HISTORIC DISTRICT COUNCIL (HDC): CERTIFICATE OF APPROVAL (COA) APPLICATION

USE THIS FORM TO Apply for approval for projects in the Downtown or Old Town Historic District or the Community Redevelopment Area (CRA). Projects may require either a Board-level review or a Staff-level review.

Fees

- ☐ Certificate of Approval (COA): Staff Review $25
- ☐ Certificate of Approval (COA): Board Review - Residential Single Family) $250
- ☐ Certificate of Approval (COA): Board Review - Commercial/Multi-Family/2 or more Residential Units/Mixed Use $400
- ☐ Demolition of a Primary Structure â€“ Non-Contributing $1,500
- ☐ Demolition of a Primary Structure â€“ Contributing $7,500
- ☐ After-the-Fact Certificate of Approval (COA): Staff Review $100
- ☐ After-the-Fact Certificate of Approval (COA): Board Review $1,500
- ☑ Amendment to Previously Approved COA - First Amendment Free, Subsequent Amendments = 1/2 cost of original fees

Basis for Review

All applications, whether Staff or Board review, are reviewed for consistency with the City of Fernandina Beach Comprehensive Plan, Land Development Code, and applicable guidelines such as the Downtown Historic District Design Guidelines, Old Town Fernandina Preservation and Development Guidelines, and the Community Redevelopment Area (CRA) Design Guidelines. Guidelines for the Historic Districts are based on the U.S. Secretary of the Interiorâ€™s Standards for Rehabilitation.

2022 Submission Deadlines + Board Meetings Calendar

hdc 2022

IMPORTANT NOTES

Conceptual Approvals

Conceptual approvals are provided by the HDC as a courtesy to the applicant in an effort to allow comment from the Historic District Council and citizens during the conceptual design process. The HDC will provide the applicant with feedback and guidance relating to the proposal and take a vote to indicate whether the board feels the proposal is adequately appropriate to proceed. In all cases, the applicant must return to the HDC to seek final approval of their projects. There is no additional fee for this review above the Certificate of Approval fee.

Pre-Application Meeting

To guide you through the process and to ensure that your application is properly processed, youâ€™ll need to meet with the Preservation Planner prior to submitting your application. This should be done at least 45 days prior to your anticipated submittal date to allow time for review. Staff approval applications are accepted on a rolling basis and are generally completed in 3-5 days. Please note that projects can only begin after receiving a Certificate of Approval (COA) and a building, sign, or zoning permit (if required).

Application Requirements

- [ ] A complete/ signed application;
- [ ] Proof of Ownership (copy of deed or tax statement);
- [ ] A current survey of the property, for new construction and any change to existing footprint. (no older than two years);
- [ ] Scaled elevations & plans;
- [ ] Photographs;
- [ ] Any additional backup materials, as necessary;
- [ ] If applying as an agent, Ownerâ€™s Authorization for Agent Representation form must be signed/ notarized and submitted as part of the application;
- [ ] For window replacement, a Window Survey must be completed.

Please see the Land Development Code (LDC) for detailed information:

- [ ] Historic District Overlays â€“ see LDC Section 8.01.01
- [ ] Specific Requirements within the OT-1 and OT-2 Zoning Districts â€“ see LDC Section 8.01.01.02
- [ ] Amelia River Waterfront Community Redevelopment Area â€“ see LDC Section 8.01.02
- [ ] Application Process for Certificate of Approval â€“ see LDC Section 8.03.03
- [ ] Signage in the Historic Districts and Community Redevelopment Area â€“ see LDC Section 8.01.03
- [ ] Requirements for Demolition Applications â€“ see LDC Section 8.03.03.01
- [ ] Appeals - see LDC Section 8.03.09

The LDC is Available for Review at

www.fbfl.us/LDC

Appeals

An applicant may appeal the HDCâ€™s decision for variances to a court of record as outlined in LDC Section 10.02.04(D). The petition shall be presented to within thirty (30) days after the decision of the HDC; otherwise the decision of the HDC will be final.

PROJECT TYPE*

Fence

APPROVAL TYPE*

Board Approval: Final

See Certificate of Approval Matrix for details

Previously Approved Case #

Have you met with a planner for a pre-application meeting?*

Yes

What was the date of your pre-application meeting?*

8/9/2022

Please apply for a required pre-application meeting using the following link:

HDC Pre-Application Meeting Request

PROPERTY INFORMATION

Property information can be found at the Nassau County Property Appraiser's website â†' Map Search

Historic District*

Waterfront Community Redevelopment Area (CRA)

Site Address*

102 Centre Street

City*

Fernandina Beach

State*

Fl

Zip Code*

32034

Parcel ID #(s)*

00-00-31-1800-0268-0010

OWNER OF RECORD

As recorded with the Nassau County Property Appraiser

First Name*

City of

Last Name*

Fernandina Beach

Mailing Address*

204 Ash Street

City*

Fernandina Beach

State*

FL

Zip Code*

32034

Telephone Number*

904 310 3421

E-mail Address*

cgeorge@fbfl.org

OWNER'S AGENT

If other than owner. If an agent will be representing the owner, an Ownerâ€™s Authorization For Agent Representation form must be included

Is there an agent other than the owner representing this project?*

No

First Name*

Last Name*

Company (if applicable)

Street Address

City

State

Zip

Telephone Number

E-mail Address

Project Description*

Amendment to COA 2022-0057. Eliminating rusticated block from the scope of the project with the exception of four columns.

Describe the proposed project in terms of size, affected architectural elements, materials, and relationship to the existing structure(s).

Design Vision Statement*

For New Construction: Please write a brief design statement explaining the architectural style of your project; what its design draws inspiration from; and how it is architecturally compatible with the surrounding historic neighborhood.

Requirements for Demolition Applications

Per LDC 8.03.03.01

1. Does the structure or site meet national, state, or local criteria for designation?

2. Is the structure or site a contributing structure or site to a locally designated or National Register historic district?

3. Would the loss of the structure or site deteriorate the quality or continuity of the historic district, or the surrounding neighborhood?

4. Is the structure or site is of such design, craftsmanship, or material that it could be reproduced only with great difficulty and/or expense?

5. Is the structure or site one of the last remaining examples of its kind in the neighborhood, county or region, or is a distinctive example of an architectural or design style which contributes to the character of the district?

6. Would the removal of the structure or site destroy the historic relationship between structures or open space?

7. Would retention of the structure or site promotes the general welfare of the City by providing an opportunity for study of local history, architecture, and design, or by developing an understanding of the importance and value of a particular culture and heritage?

8. Have the applicants made good faith efforts to pursue alternatives to demolition?

9. Will the applicant be denied a reasonable return on his or her investment

10. Is there an economic hardship for the applicant as demonstrated by requirements in Section 8.03.06?

11. Has the Code Enforcement and Appeals Board has recommended demolition of the structure?

MATERIALS

List all proposed materials and colors, as applicable

EXTERIOR FABRIC

Manufacturer	Product Description	Color
		(Name/Number)

DOORS

Manufacturer	Product Description	Color
	Include FL Product Approval # for Windows and Doors	(Name/Number)

WINDOWS

Manufacturer	Product Description	Color
	Include FL Product Approval # for Windows and Doors	(Name/Number)

ROOFING

Manufacturer	Product Description	Color
		(Name/Number)

FASCIA/TRIM

Manufacturer	Product Description	Color
		(Name/Number)

FOUNDATION

Manufacturer	Product Description	Color
		(Name/Number)

SHUTTERS

Manufacturer	Product Description	Color
		(Name/Number)

PORCH/DECK

Manufacturer	Product Description	Color
		(Name/Number)

FENCING

Manufacturer	Product Description	Color
		(Name/Number)

DRIVEWAYS/SIDEWALKS

Manufacturer	Product Description	Color
		(Name/Number)

SIGNAGE

Manufacturer	Product Description	Color
		(Name/Number)

OTHER

Manufacturer	Product Description	Color
		(Name/Number)

Please upload supplemental documentation and all product brochures, paint color samples, etc.

Upload 1	Upload 2	Upload 3	Upload 4
Fence Revision.pdf	Choose File No file selecte	Choose File No file selecte	Choose File No file selecte

Upload 5	Upload 6	Upload 7	Upload 8
Choose File No file selecte	Choose File No file selecte	Choose File No file selecte	Choose File No file selecte

Certification*

☑ By signing below, I certify that the information contained in this application is true and correct to the best of my knowledge at the time of the application.

☑ I acknowledge that I understand and have complied with all of the submittal requirements and procedures and have read and understand the following:

1. I/We hereby attest to the fact that the above supplied property address(es), parcel number(s) and legal description(s) is (are) the true and proper identification of the area of this petition.

2. I/We authorize staff from the Department of Planning & Conservation to enter onto the property in question during regular city business hours in order to take photos which will be placed in the permanent file.

3. I/We understand that the COA review time period will not commence until the application is deemed complete by staff and may take up to 10 days to process. I further understand that an incomplete application submittal may cause my application to be deferred to the next posted deadline date.

4. I/We understand that, for Board review cases, an agenda and staff report will be available on the Cityâ€™s website approximately one week before the Historic District Council meeting.

5. I/We understand that the Historic District Council meetings are conducted in a quasi-judicial hearing and as such, ex-parte communications are prohibited (Communication about your project with a Historic District Council member).

6. I/We understand that the approval of this application by the Historic District Council or staff in no way constitutes approval of a Building Permit for construction from the City of Fernandina Beach Building Department.

7. I/We understand that all changes to the approved scope of work stated in a COA have to be approved by the HDC before work commences on those changes. There will be no charge for a revision to a COA. Making changes that have not been approved can result in a Stop Work Order being placed on the entire project and/or additional fees/penalties.

8. I/We understand that any decision of the HDC may be appealed to the City Commission, with the exception of variances, which may be appealed to a court of record as outlined in Section 10.02.04(D) of the Land Development Code. Petitions to appeal shall be presented within thirty (30) days after the decision of the HDC; otherwise the decision of the HDC will be final.

9. I/We understand that Certificates of Approval are only valid for one (1) year from issuance. They are renewable for six months without cause, and for an additional six months, upon showing of good cause by the applicant. The applicant must submit all requests for extensions in writing and provide appropriate support documentation, if needed.

Applicant First Name*

Jacob

Applicant Last Name*

Platt

Today's Date*

8/18/2022

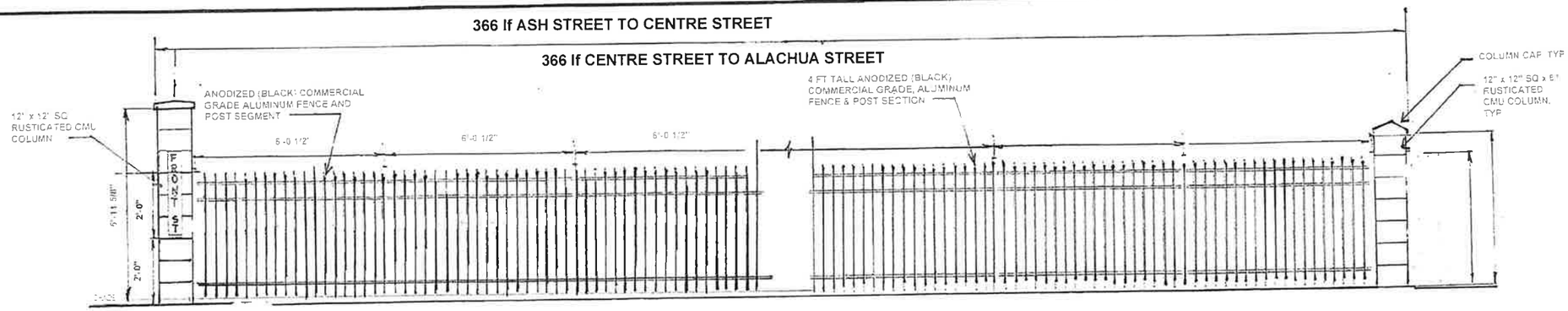
DEPARTMENT OF PLANNING & CONSERVATION

204 Ash Street | Fernandina Beach Florida 32034 | 904 310-3480 | www.fbfl.us/planning

Please make sure to disable pop-up blocker in order to submit.

366 If ASH STREET TO CENTRE STREET

366 If CENTRE STREET TO ALACHUA STREET



FENCE AND COLUMN LAYOUT-ELEVATION

SCALE: 1/2"=1'-0"

City of Fernandina Beach
Fernandina Beach, FL 32034

No	Date	By	Description

PROPOSED FENCING ALONG FRONT STREET

REVISED

C-4

MARCH 4, 2022

CERTIFICATE OF APPROVAL (COA) HDC2022-0057
FOR CITY OF FERNANDINA BEACH

Plan Type:	HDC - Board Review	**Project:**		**App Date:**	04/06/2022
Work Class:	Amendment to COA	**District:**	Default	**Exp Date:**	05/06/2022
Status:	Approved	**Square Feet:**	0.00	**Completed:**	04/22/2022
Valuation:	$0.00	**Assigned To:**	Salvatore Cumella	**Approval Expire Date:**	04/24/2023

Description: Certificate of Approval (COA) to construct a 4ft aluminum fence with rusticated block columns. (Quasi-Judicial)
9/15/2022 - Amendment to a previously approved Certificate of Approval (COA) to eliminate masonry detail from the scope of the project with the exception of four columns.

Parcel: 00-00-31-1800-0268-0010 Main	**Address:** 102 Centre St Main Fernandina Beach, FL 32034	**Zone:** C-3(Central Business District)

Applicant
City of Fernandina Beach
204 ASH ST
FERNANDINA BEACH, FL 32034
Business: 9043103100

Owner
City of Fernandina Beach
204 Ash Street
Fernandina Beach, FL 32034

Activity Type	Activity Number	Name	User	Created On
HDC Decision	DEC-001449-2022		Salvatore Cumella	04/22/2022

HISTORIC DISTRICT COUNCIL STAFF REPORT
HDC 2022-0057 AMENDMENT 1
SEPTEMBER 15, 2022

Owner/Applicant:	City of Fernandina Beach
Property Address:	102 Centre Street
Requested action:	Certificate of Approval (COA) to construct a 4ft. aluminum fence with rusticated block columns.
Current zoning:	C-3
FLUM land use category:	Central Business District
Existing uses on the site:	N/A
FL Master Site File #	N/A
Year Built:	N/A
Contributing Status:	N/A

All required application materials have been received. All fees have been paid. All required notices have been made.

Front Street Fence

September 6, 2022
Land Parcels

1:1,128
0 0.0075 0.015 0.03 mi
0 0.015 0.03 0.06 km

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

2022

SUMMARY OF REQUEST AND BACKGROUND INFORMATION:

The proposed project was originally approved by the HDC on April 18, 2019 and amended to include minor design changes on November 21, 2019 through HDC case number HDC 2019-15. That amended COA expired on April 21, 2020. A new COA (HDC 2022-0057) was approved on April 21, 2022 for the same scope of work.

The applicant is seeking an amendment to that previously approved Certificate of Approval (COA) to remove all the masonry elements from the project except for four rusticated block columns.

APPLICABLE GUIDELINES:

CITY OF FERNANDINA BEACH COMPREHENSIVE PLAN
CITY OF FERNANDINA BEACH LAND DEVELOPMENT CODE
DOWNTOWN HISTORIC DISTRICT GUIDELINES
SECRETARY OF THE INTERIOR'S STANDARDS FOR REHABILITATION

Number	Secretary of the Interior's Standards for Rehabilitation	Findings		
		Complies	Does not Comply	N/A
1	*A property shall be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.*	☒	☐	☐
2	*The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.*	☐	☐	☒
3	*Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings, shall not be undertaken.*	☐	☐	☒
4	*Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved.*	☐	☐	☒
5	*Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a property shall be preserved.*	☐	☐	☒
6	*Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.*	☐	☐	☒
7	*Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.*	☐	☐	☒
8	*Significant archeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken.*	☒	☐	☐
9	*New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.*	☒	☐	☐
10	*New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.*	☒	☐	☐

ANALYSIS:

Walls and fences are found throughout the district. The design guidelines for downtown direct that the construction of new fences and walls use materials that predominated historically or that visually match these materials.

This proposed fence and support columns are a modern interpretation of fencing/wall types historically seen throughout the Downtown Historic District. The chosen design compliments both the Historic District and the

Community Redevelopment Area. The fence will serve as a barrier between the railroad tracks and the new sidewalk in the block between Ash St and Centre St. The fence design will be used if additional fencing is required along the railroad tracks in the future.

Included as Exhibit 2 is the original recommendation and historic justification for the design as well as the amended changes to enhance the gateway portions of the fence.

STAFF RECOMMENDATION:

Staff finds that the requested action, as presented, is consistent with the Land Development Code, the Comprehensive Plan, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines.

Staff recommends:

Approval of HDC 2022-0057 Amendment 1

MOTION TO CONSIDER:

I move to **approve or deny** this amendment to HDC case number 2022-0057 **with or without** conditions;

AND I move that the HDC make the following findings of fact and conclusions of law part of the record:

That HDC case 2022-0057, as presented, **is or is not** substantially compliant with the Comprehensive Plan, Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant approval at this time.

LIST OF EXHIBITS:

EXHIBIT 1 **Application & Backup Materials**

EXHIBIT 2 **Fencing at Railroad Recommendation by Department of Planning & Conservation**

Respectfully Submitted,

Salvatore J. Cumella
Historic Preservation Planner

APPROVED

MINUTES
AMENDED
HISTORIC DISTRICT COUNCIL
REGULAR MEETING
APRIL 18, 2019

1. CALL TO ORDER: 5:01 PM

ROLL CALL / DETERMINATION OF QUORUM

MEMBERS PRESENT:
James Pozzetta
Michael Harrison
Benjamin Morrison
Michael Spino (Chair)

MEMBERS ABSENT:
Ricky Escalante (Alt 1)
Robert Erickson

OTHERS PRESENT
Tami Bach, City Attorney
Sal Cumella, Historic Preservation Planner
Samantha Rogic, Recording Secretary

City Attorney Bach inquired on ex parte communications.
Member Pozzetta disclosed that he spoke with Kimberly Page to arrange to view the exterior of the building. Member Harrison explained that he viewed the exterior and interior of the building.
Member Morrison announced that he would recuse himself from Case numbers 2019-06 & 2019-07 as his employer is acting as agent to the owner.
Chair Spino spoke with Kimberly Page as well.

2. APPROVAL OF MEETING MINUTES

2.1 **March 21, 2019 Regular Meeting**

ACTION TAKEN: A Motion was made by Member Harrison, seconded by Member Morrison, to approve the minutes as presented.

Motion passed by unanimous voice vote.

3. OLD BUSINESS

3.1 **HDC 2018-32 AMENDMENT: MIRANDA ARCHITECTS INC., AGENT FOR BILL & BELINDA AGRICOLA, 321 S. 6TH STREET**
Amendment to a previously approved Certificate of Approval (COA) to convert door on primary facade to a window, and replace all windows. *(Quasi-Judicial)*

Jose Miranda, 309 ½ Centre Street, agent to the owners, provided information and details specific to the request.

ACTION TAKEN: A motion was made by Member Morrison, seconded by Member Pozzetta, to approve amendment to HDC case number 2018-32 without conditions; AND that

the HDC make the following findings of fact and conclusions of law part of the record: That amendment to HDC case 2018-32, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

3.2 **HDC 2018-46 AMENDMENT: GARY A. & PHYLLIS M. PONGETTI, 1102 WHITE STREET**
Amendment to a previously approved Certificate of Approval (COA) to alter roof form. *(Quasi-Judicial)*

Gary Pongetti, 128 Cypress Ct, owner and applicant, provided information and details specific to the request.

ACTION TAKEN: A motion was made by Member Morrison, seconded by Member Pozzetta, to deny amendment to HDC case number 2018-46 without conditions; AND that the HDC make the following findings of fact and conclusions of law part of the record: That amendment to HDC case 2018-46, as presented, is not substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Old Town Preservation and Development Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

3.3 **HDC 2019-04: CHISM DEVELOPMENT COMPANY, AGENT FOR TUP REAL ESTATE HOLDINGS LLC, 14 N. 2ND STREET**
Conceptual Certificate of Approval (COA) to construct a three-story, mixed use primary structure. *(Quasi-Judicial)*

Wayne Chism, 96047 Brady Point Road, agent to the owner, provided information and details specific to the requested action.

ACTION TAKEN: A motion was made by Member Pozzetta, seconded by Member Harrison, to approve HDC case number 2019-04 without conditions; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDC case 2019-04, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant conceptual approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

3.4 ***POSTPONED TO THE MAY 23, 2019 SPECIAL MEETING***
HDCV 2019-02 (PREVIOUSLY HDC 2018-42): MIRANDA ARCHITECTS, AGENT FOR ST. MICHAEL CATHOLIC CHURCH, 505 BROOME STREET
Variance from Land Development Code section 7.01.04(B)6 Parking Standards & Parking Lot Design: On Street Parking *(Quasi-Judicial)*

3.5 **HDC 2019-13 (PREVIOUSLY HDC 2018-20): MIRANDA ARCHITECTS, AGENT FOR ST. MICHAEL CATHOLIC CHURCH, 505 BROOME STREET**
Certificate of Approval (COA) to construct an approximately 5,136 sq ft primary structure, accessory structure, and associated parking lot. *(Quasi-Judicial)*

Mr. Cumella provided an update on the case and announced that no action will be taken until the outstanding parking issues are resolved.

Jose Miranda, agent to the applicant, provided additional information and details and was available to answer questions by the Board.

Mike Hays, 217 N 6th Street, provided rendered plans and photographs to the Board for their consideration which included neighboring properties and the location of the proposed parking lot which is within the footprint of a large magnolia tree.

Susan Dickson, 505 Calhoun St, voiced concern over the potential removal of the magnolia tree.

Tom Stevens, 505 Calhoun St, voiced concern over the number of trees marked for removal.

3.6 **HDC 2019-06 (PREVIOUSLY HDC 2018-43): COTNER AND ASSOCIATES, AGENT FOR DAVID PEYTON PAGE JR. & KIMBERLY PRUITT PAGE, 224 N. 2ND STREET**
Certificate of Approval (COA) to demolish a single-family residential structure, located in the CRA and adjacent to the Downtown Historic District. *(Quasi-Judicial)*

John Cotner, 1627 Atlantic Ave, agent to the owner, provided information and details specific to the request.

Kimberly Page, 1702 Atlantic Ave, provided additional information and was available to answer questions from the Board.

Tammi Kosack, 322 N. 3rd Street, expressed sadness over the potential demolition of the structure.

ACTION TAKEN: A motion was made by Member Pozzetta, Chair Spino passed the gavel to Member Pozzetta and seconded the motion, to approve HDC case number 2019-06 with the conditions that, 1) Applicant further consider options to incorporate the structure into the redevelopment project; 2) Approval of this demolition be conditional on the conceptual approval of the redevelopment plans for the site (HDC 2019-07); 3) Materials be salvaged/recycled to the extent feasible; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDC case 2019-06, with conditions, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards and the Waterfront Community Redevelopment Area Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and was as follows:

Member Pozzetta:	**Aye**
Member Spino:	**Aye**
Member Harrison:	**Nay**

Motion passed.

3.7 **HDC 2019-07 (PREVIOUSLY HDC 2018-44): COTNER AND ASSOCIATES, AGENT FOR DAVID PEYTON PAGE JR. & KIMBERLY PRUITT PAGE, 224 N. 2ND STREET**
Conceptual Certificate of Approval (COA) to construct two mixed-use, 3-story structures containing commercial and residential units totaling approximately 10,000 square feet. *(Quasi-Judicial)*

John Cotner, 1627 Atlantic Ave, agent to the owners, provided information and details specific to the request.

ACTION TAKEN: A motion was made by Member Harrison, seconded by Member Pozzetta, to approve HDC case number 2019-07 without conditions; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDC case 2019-07,

as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Waterfront Community Redevelopment Area Guidelines to warrant conceptual approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

4. NEW BUSINESS

4.1 **HDC 2019-14: FERNANDINA BEACH MAIN STREET PROGRAM, AGENT FOR CITY OF FERNANDINA BEACH, 204 ASH STREET**
Certificate of Approval (COA) to install Wayfinding signage throughout the Downtown Historic District. *(Quasi-Judicial)*

Arlene Filkoff, 845 Tarpon, Director of the Main Street Program, provided information and details specific to the requested action.

ACTION TAKEN: A motion was made by Member Harrison, seconded by Member Morrison, to approve HDC case number 2019-14 without conditions; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDC case 2019-14, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

4.2 **HDC 2019-15: CITY OF FERNANDINA BEACH, 102 CENTRE STREET**
Certificate of Approval (COA) to construct a 4ft aluminum fence with rusticated block columns. *(Quasi-Judicial)*

ACTION TAKEN: A motion was made by Member Harrison, seconded by Member Pozzetta, to approve HDC case number 2019-15 without conditions; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDC case 2019-15, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

5. STAFF-APPROVED CERTIFICATES OF APPROVAL

There were no comments regarding Staff Approvals.

6. BOARD BUSINESS

Discussion: Lesesne House

Suanne Thamm, 404 Broome Street, member of the Restoration Foundation but not authorized to speak on behalf of the foundation, provided a brief history of the home, and emphasized the importance of the home and recommended the City purchase the building.

Arlene Filkoff, 845 Tarpon Avenue, spoke to the importance of the home and how to preserve it.

The Board agreed to schedule a special meeting to further discuss the future of the home.

7. **STAFF REPORT**

Mr. Cumella spoke to the upcoming preservation home tour.

8. **PUBLIC COMMENT**

Jennifer Harrison, 820 Someruelus Street, requested the Board take action to improve the plaza and bluff in Old Town.

9. **ADJOURNMENT – 8:00 PM**

Samantha Rogic, Recording Secretary

Michael Spino, Chair

APPROVED

MINUTES
HISTORIC DISTRICT COUNCIL
REGULAR MEETING
NOVEMBER 21, 2019

1. CALL TO ORDER: 5:02

ROLL CALL / DETERMINATION OF QUORUM

MEMBERS PRESENT:

James Pozzetta
Michael Spino (Chair)
Tammi Kosack (Alt 1)
Benjamin Morrison
Angela Conway
Michael Harrison

MEMBERS ABSENT:

OTHERS PRESENT
Tammi Bach, City Attorney
Samantha Rogic, Recording Secretary
Salvatore Cumella, Historic Preservation Planner

As part of ex-parte communications Chair Spino disclosed that he spoke to Commissioner Ross about the fence issue downtown and to the owners of 105 S 5th Street who are neighbors of the Blackmores (applicants for HDC 2019-36 & HDCV 2019-03).
Member Kosack disclosed that she also spoke to Commissioner Ross.

2. APPROVAL OF MEETING MINUTES

2.1 October 17, 2019 Regular Meeting

Member Kosack requested an amendment to the minutes. She would like included under item 3.2 HDC case# 2017-03 the discussion about down spouts and the applicant's agreeance to paint them.

ACTION TAKEN: A motion was made by Member Pozzetta, seconded by Member Morrison, to approve the minutes as amended.

Motion passed by unanimous voice vote.

3. OLD BUSINESS

3.1 **HDC 2019-09: CMR ISLAND PROPERTIES, LLC, AGENT FOR BEVERLY FREEMAN CREWS, JAMES K. FREEMAN JR., GEORGE T. MORGAN, & ANGELA KAREN MORGAN, 116 N 2ND STREET**
Certificate of Approval (COA) to construct four, two-story mixed-use town homes. *(Quasi-Judicial)*

Postponed to December 19, 2019 Regular Meeting

3.2 **HDC 2017-03: TIM RICH, AGENT FOR ARTISAN HOMES, N. 2ND STREET**

Amendment to previously approved COA to alter roof forms from flat to gabled and alter brick detailing. *(Quasi-Judicial)*

Mr. Cumella presented the Staff Report and recommended denial.

Sara Johanns, 247 Beech Street, stated that they are removing the request for gabled roofs.

ACTION TAKEN: A motion was made by Member Pozzetta, seconded by Member Conway, to continue amendment to HDC case number 2017-03 to the December 19, 2019 regular meeting; AND that the HDC make the following findings of fact and conclusions of law part of the record: That this amendment to HDC case 2017-03, as presented, is not substantially compliant with the Land Development Code, the Community Redevelopment Area Guidelines, and the Secretary of the Interior's Standards to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

Ms. Johanns returned to the podium to provide an update on the gutters. She explained that the gutters are being redesigned to drain in a different direction so they will likely be changing and will be painted at that time.

3.3 **HDC 2019-15: CITY OF FERNANDINA BEACH, 102 CENTRE STREET**
Amendment to previously approved Certificate of Approval (COA) for design changes related to the construction of a 4ft aluminum fence with rusticated block columns. *(Quasi-Judicial)*

Mr. Cumella presented the Staff Report and recommended approval.

Chip Ross, 210 N 3rd St, suggested a rider be included in the motion that approval be contingent upon railroad approval.

ACTION TAKEN: A motion was made by Member Morrison, seconded by Member Pozzetta, to approve amendment to HDC case number 2019-15 without conditions; AND that the HDC make the following findings of fact and conclusions of law part of the record: That this amendment to HDC case 2019-15, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and was as follows:

Member Harrison: Nay
Member Conway: Aye
Member Pozzetta: Aye
Member Morrison: Aye
Chair Spino: Aye

Motion passed.

3.4 **HDC 2019-20: RICHARD SASSER, AGENT FOR CMR ISLAND PROPERTIES LLC, 22 S 8TH STREET**
Amendment to previously approved Certificate of Approval (COA) to add mechanical screening at north and east elevations. *(Quasi-Judicial)*

Mr. Cumella presented the Staff Report and recommended approval.

Mike McCloskey, CMR Island Properties, was present to answer questions from the Board.

David Coalson, 111 S 4th Street, spoke against the proposed amendment.

ACTION TAKEN: A motion was made by Member Harrison, seconded by Member Pozzetta, to continue HDC case number 2019-20 to the December 19 regular meeting; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDC case 2019-20, as presented, is not substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

3.5 **HDC 2019-32: CITY OF FERNANDINA BEACH, AGENT FOR AMELIA ISLAND MUSEUM OF HISTORY, 233 S 3RD STREET**
Downtown Historic District Boundary Expansion to include the Nassau County Jail/Amelia Island Museum of History. *(Quasi-Judicial)*

Mr. Cumella presented the Staff Report and recommended approval.

ACTION TAKEN: A motion was made by Member Harrison, seconded by Member Conway, to approve HDC case number 2019-32.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

Upon further discussion, there was consensus that the motion should include more information.

ACTION TAKEN: A motion was made by Member Harrison, seconded by Member Conway, to approve HDC 2019-32 which has already been heard, which covers a building which is already on the national register of historic places, which will form a valuable addition to the Historic District of the City of Fernandina Beach, without conditions; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDC case 2019-32, as presented, is substantially compliant with the Comprehensive Plan and the Land Development Code to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

4. NEW BUSINESS

4.1 **HDCV 2019-03: RIVERSIDE HOMES, AGENT FOR HAROLD & ROZELL BLACKMORE, 105 S 5TH STREET**
Variance from Land Development Code section 4.05.12(B) Types and Plant Requirements for Buffers. *(Quasi-Judicial)*

Chair Spino explained that HDCV 2019-03 and HDC 2019-36 would be heard together but voted on separately.

Rozell Blackmore, Corner of Cedar and 5th, the applicant, provided information and details specific to the request.

Lou Goldman, 23 S 6th Street, stated that he is opposed to the variance and believes the solution is rezoning the property to R-2.

ACTION TAKEN: A motion was made by Member Conway, seconded by Member Morrison, to approve HDCV case number 2019-03 based on the applicants demonstration that there are a number of unique factors that exist on the property, that this request is the minimum variance needed to provide a parking space on site, and that granting the variance would not harm the character of this district; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDCV case 2019-03, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant approval at this time.

Upon further discussion, there was consensus to include the allowance for the relocation of the shed.

Member Conway amended the motion to allow for the applicant to relocate the shed to the south side of the property. Member Morrison seconded the amended motion.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

4.2 **HDC 2019-36: RIVERSIDE HOMES, AGENT FOR HAROLD & ROZELL BLACKMORE, 105 S 5TH STREET**

Certificate of Approval (COA) to construct a one-story single-family residence. *(Quasi-Judicial)*

ACTION TAKEN: A motion was made by Member Morrison, seconded by Member Harrison, to approve HDC case number 2019-36 with the following conditions: 1) that the owner work with Staff to have a window approved that meets the Downtown Historic District Guidelines; 2) that the A/C on exterior be located outside of the 15 ft required buffer; 3) that the geometry of the staircase be reconfigured to be outside of the required 15 ft buffer; 4) that paint colors be approved by Staff; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDC case 2019-36, with conditions, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

4.3 **HDC 2019-37: RICE ARCHITECT, AGENT FOR FIRST PRESBYTERIAN CHURCH OF FERNANDINA BEACH, 515 CENTRE STREET**

Certificate of Approval (COA) to renovate the south and east elevations and add a rooftop terrace with canopy. *(Quasi-Judicial)*

Mr. Cumella presented the Staff Report and recommended either denial or continuation to date certain.

Mark Akins, 961687 Gateway Blvd, agent to the applicant, offered information and details specific to the request.

Randy Rice, 961687 Gateway Blvd, offered additional information and details.

Drenda Vijuk, 29 Salt Marsh Drive, owns the building next door, raised concerns with the roof top deck.

ACTION TAKEN: A motion was made by Member Morrison, seconded by Member Pozzetta, to continue HDC case number 2019-37 to the January 2020 regular meeting without conditions; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDC case 2019-37, as presented, is not substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

4.4 **HDC 2019-38: MIRANDA ARCHITECTS, AGENT FOR ST. MICHAEL CATHOLIC CHURCH, 201 N 4TH STREET**
Certificate of Approval (COA) to add ADA-compliant parking, ramp; relocate existing rear porch steps; and replace door. *(Quasi-Judicial)*

CM Mayer, 4670 Carlton Dunes Dr, was present to answer questions from the Board.

ACTION TAKEN: A motion was made by Member Harrison, seconded by Member Morrison, to approve HDC case number 2019-38 with the condition that the applicant provide a plan to landscape the ramp and achieve historical approval for it; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDC case 2019-38, with condition, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

4.5 **HDC 2019-39: JOEL V. REITZER JR & JUDITH L. REITZER, 1132 WHITE STREET**
Certificate of Approval (COA) to construct a one-story single-family residence with accessory structure. *(Quasi-Judicial)*

Ms. Rogic presented the Staff Report and recommended approval.

Joel Reitzer, 1365 Manucy Rd, the applicant, provided information and details specific to the request.

ACTION TAKEN: A motion was made by Member Morrison, seconded by Member Harrison, to approve HDC case number 2019-39 with the condition that the side porch be relocated to meet the standards of the Land Development Code; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDC case 2019-39, with conditions, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Old Town Preservation and Development Guidelines to warrant conceptual approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

4.6 **HDC 2019-40: STEVE JOHNSON, AGENT FOR 418 S 6TH STREET LLC, 818 SAN FERNANDO STREET**
Certificate of Approval (COA) to construct porches at north and east elevations. *(Quasi-Judicial)*

Steve Johnson, 96091 Estate Drive, agent, provided information and details specific to the proposal.

ACTION TAKEN: A motion was made by Member Morrison, seconded by Member Harrison, to approve HDC case number 2019-40 without conditions; AND that the HDC make the following findings of fact and conclusions of law part of the record: That HDC case 2019-40, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Old Town Preservation and Development Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

4.7 **PRESENTATION: Marvin Windows**
Neal Steiner, Coastal Sash & Door

5. STAFF APPROVED CERTIFICATE OF APPROVALS

5.1 **October 2019**
There were no comments or questions regarding October staff approvals.

6. BOARD BUSINESS

6.1 **Consideration of Reappointment: Mike Spino**
Member Harrison motioned to reappoint Mike Spino, seconded by Member Morrison. There being no objections. Motion passed.

6.2 **Amelia Waterfront Park update**

7. STAFF REPORT

7.1 **Approved Window List**
The Board agreed to schedule a window workshop.

7.2 **Master Fee Schedule**

7.3 **Side-Yard Corridors in Old Town**
Mr. Cumella presented the recommended change to the Land Development Code.

ACTION TAKEN: A motion was made by Member Conway, seconded by Member Morrison, to strike the language recommended by Staff from the Land Development Code.

Upon further discussion, it was consensus among the Board to make no change until the time when the guidelines are rewritten by grant funding.

Vote upon passage of the motion was taken by ayes and nays and being all nays, failed.

7.4 **Material Salvage**

7.5 **Streetscape Context Requirement**

7.6 **Building Official Bulletins**

8. PUBLIC COMMENT
No members of the public wished to speak.

9. ADJOURNMENT – 9:22 PM

Samantha Rogic, Recording Secretary

Michael Spino, Chair

APPROVED

MINUTES
HISTORIC DISTRICT COUNCIL
REGULAR MEETING
APRIL 21, 2022

1. CALL TO ORDER 5:00

2. ROLL CALL / DETERMINATION OF QUORUM

MEMBERS PRESENT

James Pozzetta
Tammi Kosack
Michael O'Donnell (Alt 2)
Froilan Esclusa (Vice-chair)
Tim Poynter (Alt 1)

MEMBERS ABSENT:

Michael Spino
Michael Harrison

OTHERS PRESENT:

Tammi Bach, City Attorney
Sal Cumella, Historic Preservation Planner
Sylvie McCann, Recording Secretary

3. PLEDGE OF ALLEGIANCE

Vice-Chair Esclusa seated Member Poynter and O'Donnell as voting members. Members approved unanimously by voice vote.

Members Kosack, Pozzetta, and Vice-Chair Esclusa disclosed ex parte communication with Staff regarding current items on the agenda and no other members disclosed ex parte communications.

City Attorney Tammi Bach explained the Quasi-Judicial hearing procedures along with the approval and denial processes regarding variances.

Ms. McCann administered the oath for all parties that would be giving testimony.

4. APPROVAL OF MEETING MINUTES

4.1 Approval of Minutes for the March 24, 2022, Regular Meeting

Vice-Chair Esclusa asked that under item HDC-2022-0052, Mr. Cumella's answer to Member's Pozzetta's question regarding roof coverage was missing and should be added.

ACTION TAKEN: A motion was made by Member Kosack, seconded by Member Poynter to approve the minutes as amended.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

5. PRESENTATIONS

5.1 Fernandina Beach Main Street Design Council - Downtown Lighting Design

Mr. Cumella introduced the slide presentation.

Linda Finkelstein, Main Street, 492 Starboard Landing, spoke and acknowledged the presence of Jose Miranda in the audience. She noted that the power pole do not meet the 160mph required wind load. She emphasized that although some say the downtown is quaint and fine, it does need attention.

6. OLD BUSINESS

6.1 HDC 2021-0045 - MICHAEL STAUFFER, ARCHITECT, AGENT FOR FYRE HOLDINGS II, LLC., 227 S. 7TH STREET

Certificate of Approval (COA) to construct a 2-story accessory structure.*(Quasi-Judicial)*

Mr. Cumella presented the case and recommended approval.

Michael Stauffer, architect, 1417 Sadler Road, noted that the plans are the same as the conceptual plans except for some windows.

Member Pozzetta noted he was pleased to see actual wood product being used.

Chair Esclusa asked about the type of gutters. Mr. Stauffer asked if they chose the type of windows from the list if Staff could approved and confirm that choice. All Members agreed.

Public Hearing was opened and closed with no parties wishing to speak.

Board Discussion was opened.

ACTION TAKEN: A motion was made by Member Kosack, seconded by Member Poynter to approve HDC case 2021-0045 as presented; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2021-0045, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Design Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays, being all ayes, carried.

6.2 HDC 2022-0055 - PARKER CONTRACTING INC., AGENT FOR DAVID + KIMBERLY PAGE, 224 N. 2ND STREET

Amendment to previously approved HDC 2018-0044 to include change of location of the refuse disposal area and widening of driveway. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended approval with the condition that a fencing and landscaping plan be presented for a staff review for final approval.

Michel Gonzalez, Parker Contracting Inc, agent for the applicant, 224 N. 13th Terrace, noted where the move of the refuse disposal would be located.

Member Pozzetta asked about the widening of the driveway and Mr. Gonzalez explained what calculations are proposed.

Public Hearing was opened and closed with no parties wishing to speak.

Board Discussion was opened.

Member Kosack, asked about the move of the concrete area and the widening of the driveway and its affect to the impervious area. Mr. Gonzalez explained that this would be a different design and also noted that they are following the slope for the change to the driveway.

ACTION TAKEN: A motion was made by Member Pozzetta, seconded by Member Kosack to approve HDC case 2022-0055 with the following condition that applicants provide fencing and landscaping plan for dumpster enclosure as staff level review before amended COA can be issued; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2022-0055, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Waterfront Community Redevelopment Area (CRA) guidelines to warrant final approval at this time.

Vote upon passage of the motion was taken by ayes and nays, being all ayes, carried.

6.3 HDC 2021-0023 - TODD KEMP, 511 ASH STREET

Amendment to a previously approved Certificate of Approval (COA) to remove the front porch from the proposed accessory dwelling. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended approval.

Todd Kemp and Brian Boyer, 511 Ash Street, Ms. Kemp spoke about their challenge with the guidelines regarding the need for a residence and a guest house. Members expanded on what other options could be presented, which ultimately would restart this process and slow down this final project.

Public Hearing was opened and closed with no parties wishing to speak.

Board Discussion was opened.

Member Kosack asked about the uncovered porches that were removed. Mr. Cumella said it met the required 625sf.

ACTION TAKEN: A motion was made by Member Kosack, seconded by Member O'Donnell to approve HDC case 2021-0023 as presented; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2021-0023, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Design Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays, being all ayes, carried.

7. NEW BUSINESS

7.1 HDC 2022-0051 - SKIPPER CONSTRUCTION SERVICES, AGENT FOR YURI A. + RACHEL M. BART, BLOCK 16 - LOTS 13 & 14, SOMERUELUS STREET

Certificate of Approval (COA) to construct a two-story single-family dwelling and a two-story accessory dwelling unit. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended approval.

Donald Skipper, Skipper Construction Services, 855 Cashen Drive, was present to answer questions.

Member Pozzetta spoke of the foundation of the house and the brick veneer. Mr. Skipper said the brick veneer would extend beyond the foundation and mentioned that there will be peers. Mr. Pozzetta also spoke of the window trims and the railings.

Member Kosack asked about the specs for the garage door. Mr. Skipper noted that it would be a metal garage door as shown in the rendering.

Public Hearing was opened and closed with no parties wishing to speak.

Board Discussion was opened.

Chair Esclusa addressed the porch square footage impact within the maximum square footage compared to the previous case. Mr. Cumella noted that the difference is in this case is under the Old Town Guidelines.

ACTION TAKEN: A motion was made by Member O'Donnell, seconded by Member Poynter to approve HDC case 2022-0051 as presented; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2022-0051, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Old Town Fernandina Preservation Design Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

7.2 HDC 2022-0054 - MIRANDA ARCHITECTS, AGENT FOR RUTH MAESTRE, 11 S. 7TH STREET

Certificate of Approval (COA) to renovate and construct additions at rear of home and a porch on east side. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended approval.

Jose Miranda, Miranda Architects, 3 ½ Centre Street, was present to answer questions. He asked about possibly using and salvaging the old windows. Mr. Cumella said this can be discussed with the Building Department to make sure it meets the Florida Building Codes.

Member Pozzetta asked about the type of doors to the new addition would be installed in place of the windows and the chance of salvaging materials.

Public Hearing was opened.

Paul Lory, 11 S. 7th Street, owner, thanked the Council and spoke about trying to preserve as much material as possible and spoke of the upcoming start date of the project.

Public Hearing was closed.

ACTION TAKEN: A motion was made by Member Kosack, seconded by Member Poynter to approve HDC case 2022-0054 as presented; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2022-0054, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Design Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays, being all ayes, carried.

7.3 HDC 2022-0056 - SKIPPER CONSTRUCTION SERVICES, AGENT FOR RICHARD D. + ROSE J.L. KING, 1002 SAN FERNANDO STREET

Conceptual Certificate of Approval (COA) to construct a two-story single-family dwelling with a detached two-story accessory dwelling. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended approval and noted that the total height of both primary and accessory structures should be well indicated on the final submittal, that site plan to the accessory structure indicate an improperly sited HVAC unit and that it should be moved no closer than 5ft. to the property line, and to provide driveway material, and tree survey.

Donald Skipper, Skipper Construction Services, 855 Cashen Drive, was present to answer questions.

Member Pozzetta asked that building height be indicated clearly and also addressed the 2ft. raised foundation.

Public Hearing was opened and closed with no parties wishing to speak.

ACTION TAKEN: A motion was made by Member Pozzetta, seconded by Member Kosack to approve HDC case 2022-0056; with the condition that Staff analysis comment be included; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2022-0056, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Old Town Fernandina Preservation Design Guidelines to warrant Conceptual approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

7.4 HDC 2022-0057 - CITY OF FERNANDINA BEACH, 102 CENTRE STREET
Certificate of Approval (COA) to construct a 4ft. aluminum fence with rusticated block columns.
(Quasi-Judicial)

Mr. Cumella presented the case and recommended approval.

Member Kosack asked about the linear footage of what is being installed and the panel size. Mr. Cumella said that panels are 8ft long but no engineering is to be performed.

Charlie George, City Engineer, said that the design is completed. He also spoke of the distancing along the existing sidewalk and railway.

Public Hearing was opened.

Chip Ross, 210 N. 3rd Street, spoke of his concern with the cost of this design.

Member Kosack expressed that the cost may be worth the expense in order to save the integrity of the project

Charlie Goerge, City Engineer, suggested that this approval could be conditional on seeing the final plans.

Chair Esclusa clarified that the vote is for the material and if the plan changes, it would come back for revision.

ACTION TAKEN: A motion was made by Member Poynter, seconded by Member Kosack to approve HDC case 2022-0057 as presented; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2022-0057, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Design Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays, being all ayes, carried.

8. BOARD BUSINESS

There were no Board Business items to discuss.

9. STAFF REPORT

9.1 Staff Certificate of Approval (COA) - March 2022

Member Esclusa asked about the COA for the sign for San Carlos Park. Mr. Cumella clarified that this is for St. Mary's River Keepers.

9.2 Advisory Board/ Committee Meeting Minutes Policy Update

Mr. Cumella explained the streamlined process of Minute-taking focusing mainly and identifying speakers, action taken and votes.

9.3 May 2022 Historic Preservation Month Activities

Mr. Cumella explained the Preservation events calendar for the month of May.

9.4 2022 Preservation Tour - Saturday May 7, 2022 - 10AM-5PM - Advance Tickets $20 @ www.eventbrite.com

9.5 Window Workshop Led by Austin Historical - Friday May 27, 2022 - Tickets $25 Available @ www.eventbrite.com - Limited Capacity

10. PUBLIC COMMENT

James Rowe spoke regarding a property in Old Town owned by his deceased mother and wanted to get information about what can be done with the property. It was suggested to them to make an appointment and speak with Staff.

11. ADJOURNMENT 6:48

Sylvie McCann

Sylvie McCann, Recording Secretary

19 MAY 22

Froylan Esclusa, Chair

APPROVED

MINUTES - AMENDED
HISTORIC DISTRICT COUNCIL
REGULAR MEETING
SEPTEMBER 15, 2022
5:00 PM
CITY HALL CHAMBERS

1. CALL TO ORDER / ROLL CALL / DETERMINATION OF QUORUM

Members Present: James Pozzetta, Member O'Donnell, Froilan Esclusa, Michael Spino, Tammi Kosack, Tim Poynter

Member Absent:

Others Present: Salvatore Cumella, Preservation Planner
Tammi Bach, City Attorney
Sylvie McCann, Recording Secretary

Chair Spino seated Member Poynter as a permanent voting member and moved Member O'Donnell to Alternate 1 seat. He also seated Member O'Donnell for HDC case 2021-0007 as Member Pozzetta will recuse himself. All members approved by voice vote.

Members disclosed ex parte communications. All members had phone conversations with Commissioner Ross regarding case 2022-0057. Chair Spino disclose a conversation with Harvey Ward regarding case 2022-0069, contractor and discussed current cases with Staff.

2. PLEDGE OF ALLEGIANCE

3. APPROVAL OF MEETING MINUTES

3.1 Approval of Minutes from the August 18, 2022 Regular Meeting.

Member Poynter noted that there was no mention of following sound engineering guidance in the discussion.

ACTION TAKEN: A motion was made by Member Poynter seconded by Member Pozzetta to approve the Minutes with the noted correction.

Vote upon passage of the motion was taken by voice vote and being all ayes, carried.

4. OLD BUSINESS

4.1

HDC 2021-0007 - JAMES POZZETTA ARCHITECT, AGENT FOR BRAD EVANS, 1015 SOMERUELUS STREET
Amendment to previously approved Certificate of Approval (COA) to expand the second floor and remove rafter tail detail from the non-porch roof elements. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended approval.

James Pozzetta, 103, S. 18th Street, agent for the applicant, spoke of the changes. Member Kosack asked about soffit transitions.

Public Hearing was opened and then closed with no parties wishing to speak.

There was no board discussion.

ACTION TAKEN: A motion was made by Member O'Donnell seconded by Member Kosack to approve HDC case 2021-0007 as presented; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2021-0007, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Old Town Fernandina Preservation Design Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays, being all ayes, carried.

4.2 **HDC 2022-0057 - CITY OF FERNANDINA BEACH, 102 CENTRE STREET**
Amendment to a previously approved Certificate of Approval (COA) to eliminate masonry detail from the scope of the project with the exception of four columns. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended approval.

Member Esclusa asked Staff where this design would be applied. Mr. Cumella confirmed that this design would be consistently used through out the project which location is from Ash Street to Alachua Street. It was also specified that the 4 columns noted in the Staff Report are located between Centre Street and Alachua Street.

Charlie George, City Engineer/Deputy City Manager, 204 Ash Street, explained changes to the scope of work being the removal of all the intermediate columns to leave only 4 columns, specifically located at North side of Ash, South side of Centre, North Side of Center, and South Side of Alachua. He noted the columns would be 6 feet high. He confirmed the height of the fencing being 4 feet high picket fencing.

Members spoke of the materials specified within Downtown Historic District Design Guidelines compared to the CRA Guidelines.

ACTION TAKEN: A motion was made by Member Pozzetta seconded by Member Poynter to approve amendment to HDC case 2022-0057 as presented; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2022-0057, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Design Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

5. NEW BUSINESS

5.1 **HDC 2022-0065 - MICHAEL + JESSICA VILLA, BLOCK 18 LOT 6, LADIES STREET**
Certificate of Approval (COA) to construct a two-story single-family residence and swimming pool. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended approval. He confirmed that this had already been approved previously but that the COA had expired.

Member Esclusa asked about fencing. Mr. Cumella confirmed the specification with an email received after publication of this agenda. Member Pozzetta asked about the driveway and crushed shell materials.

Michael Villa, 921 Ladies Street, welcomed any questions from the Board. Board members asked about the impervious material and fence design.

Public Hearing was opened and then closed with no parties wishing to speak.

ACTION TAKEN: A motion was made by Member Poynter, seconded by Member Kosack to approve HDC case 2022-0065 as presented; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2022-0065, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Old Town Fernandina Preservation Design Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays, being all ayes, carried.

5.2 **HDC 2022-0066 - MIRANDA ARCHITECTS, AGENT FOR JCJ TRUST LLC, 10 + 12 + 14 N. 2ND STREET**
Conceptual Certificate of Approval (COA) to construct an elevator tower, rear porch, and stairs, and to restore the exterior facades, windows and doors. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended conceptual approval.

Jose Miranda, Miranda Architect, 309 ½ Centre Street, spoke of the scope of the project.

Member Esclusa asked about the adjacent empty lot and parking spaces.

Public Hearing was opened and then closed with no parties wishing to speak.

ACTION TAKEN: A motion was made by Member Esclusa, seconded by Member Poynter to conceptually approve HDC case 2022-0066 as presented ; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2022-0066, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the and the Downtown Historic District Design Guidelines to warrant conceptual approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

5.3 **HDC 2022-0067 - MICHAEL STAUFFER ARCHITECT, AGENT FOR DAVID C. + GINA M. BARRY, 310 S. 6TH STREET**
Certificate of Approval (COA) to construct a shed roofed addition on the second floor (rear), reconfigure the rear section of house to accommodate interior changes, reroof with metal roof, replace front door, repair siding in-kind where needed, and repaint. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended approval.

Member Esclusa asked about the need for mechanical equipment screening, and doors being on the pre-approved list.

Michael Stauffer, 422 S. 6th Street, agent for the applicant, spoke of the scope of the proposed changes.

Member Pozzetta asked if some of the removed windows would be salvageable.

Public Hearing was opened and then closed with no parties wishing to speak.

There was no board discussion.

ACTION TAKEN: A motion was made by Member Kosack, seconded by Member Esclusa to approve HDC case 2022-0067 as presented; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2022-0067, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Design Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

5.4 **HDC 2022-0068 - RICE ARCHITECTS, AGENT FOR KAREN L. WEBER + ANDEEW B.**

SEGAL, 232 S. 7TH STREET
Certificate of Approval (COA) to replace 29 windows, remove existing wood ramp at side yard, remove shed addition on garage and rebuild, cut brick garden wall to create new parking, and close an opening in garden wall at south property line. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended a conceptual approval in order to allow for the applicant to meet the noted conditions regarding the windows, the garage, the wooden ramp, the garden wall, and parking.

Mark Akins, Rice Architects, 961867 Parkway Boulevard, spoke about the noted requirements from Staff. He voiced that they hoped to receive a final approval and stated that they would leave the shed as is. He commented about the property being located on a corner and that this hinders parking availability. He also spoke of the garden wall and that they would restore as many windows as possible.

Andeew Segal, 232 S. 7th Street, owner, noted that they would restore and replace as many windows as possible.

Chair Spino mentioned to the applicant that a window survey will be necessary to clarify which windows would be restored and replaced.

Public Hearing was opened and then closed with no parties wishing to speak.

Members discussed the different options regarding the garage wall and the curb cut and the usage of salvaged bricks to enhance the garden wall. They also spoke about requiring a window survey.

ACTION TAKEN: A motion was made by Member Pozzetta, seconded by Member Poynter to approve HDC case 2022-0068 with the following conditions, to provide Staff a window survey to clarify which windows are to be preserved, restored or replaced, if a difference exist between Staff and applicant's opinion regarding said survey, this change would need to go back to the Board for approval, to salvage or reuse any garden wall material to be removed, and that the shed attached to existing garage be either remove and have the wall of the garage repaired, or leave the shed as is, or renovate the shed in which case it has to adhere to City Guidelines regarding setbacks for detached structure and this to be approved by Staff, and if a difference exist between Staff and applicant's opinion, this change would need to go back to the Board for approval; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2022-0068, with the following conditions, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Design Guidelines to warrant final approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

5.5 **HDC 2022-0069 - ACATECTS LLC, AGENT FOR 101 CENTRE STREET LLC - 101 CENTRE STREET**
Certificate of Approval (COA) to demolish existing middle bay of storefront (non-historic) and construction of a temporary construction entrance. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended approval.

Amy Anderson, architect, agent for the applicant, presented the Board with some material for review and welcomed questions from the Board.

There was no Board discussion.

Public Hearing was opened and closed with no parties wishing to speak.

ACTION TAKEN: A motion was made by Member Poynter, seconded by Member Kosack to approve HDC case 2022-0069 as presented; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2022-0069, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, and the Downtown Historic District Design Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

5.6 **HDC 2022-0070 - DOWNTOWN CRAB LLC, 101 ALACHUA STREET**
Certificate of Approval (COA) to demolish a CMU storage structure. *(Quasi-Judicial)*

Mr. Cumella presented the case and recommended approval.

The applicant was not present.

Public Hearing was opened and closed with no parties wishing to speak.

ACTION TAKEN: A motion was made by Member Kosack, seconded by Member Poynter, to approve HDC case 2022-0070 as presented; AND that the HDC make the following findings of fact and conclusions of law part of the record: that HDC case 2022-0070, as presented, is substantially compliant with the Land Development Code, the Secretary of the Interior's Standards, the Downtown Historic District Design Guidelines and the Waterfront Redevelopment Area Design Guidelines to warrant approval at this time.

Vote upon passage of the motion was taken by ayes and nays and being all ayes, carried.

6. BOARD BUSINESS

6.1 Draft Letter to the PAB regarding Tringali Property

Public Hearing was opened.

Taina Christner, 406 Beech Street, voiced concern about all the recent and future changes within the Historic District.

David Coalson, 111 S. 4th Street, voiced concern with the zoning and size of the underlying lots. He also spoke of drainage and flooding possibility onto his property.

Mrs. Coalson, 111 S. 4th Street, reiterated her husband's concern about flooding and the change of the character of S. 4th Street with addition of townhomes.

Taina Christner, 406 Beech Street, spoke of the 25 ft. wide underlying lots.

Chair Spino asked about the TRC process about this project. Mr. Cumella answered that engineering will be working on a solution regarding water runoffs. Chair Spino will amend the letter addressed to the Chair of the PAB to add some recommendations.

Joan Cory, 408 Beech Street, spoke of streetscape and the townhomes elevations.

Ms. Bach, City Attorney, spoke of the historical decision of the Tringali property owners' request not to be included within the Historic District, and to which Board or City Commission residents could voice their concern about the proposed project.

Member Kosack commented a property being used short term rentals that is falling apart. She recommended that Code Enforcement be involved with this issue.

7. STAFF REPORT

7.1 Staff Certificate of Approval for the month of August 2022.

8. PUBLIC COMMENT

Paul Lory, 11 S. 7th Street, spoke of the current state of the Thompson house, its evolving project, and his relationship with the Code Enforcement department.

Chip Ross, 210 N. 3rd Street, spoke about the Code Enforcement Board process.

9. ADJOURNMENT

Sylvie McCann, Recording Secretary

Michael Spino, Chair

UPDATE
OLD TOWN ROADS

City of Fernandina Beach

ROADWAY PREFERENCE SURVEY

Thank you for your participation in the City's roadway preference survey effort to better understand community concerns. The survey was conducted from November 18, 2024 - January 6, 2025. Survey flyers were direct mailed to all physical addresses and all listed mailing addresses for every property. There are a 108 physical addresses with an additional 58 mailing addresses. Signs were posted at 3 intersections with QR codes to scan and complete the surveys.

Survey Facts:

- 61 total survey responses
- 56% Survey Response rate *(statistically valid)*
- 74% report as full-time residents
- Most residents report having lived in Old Town for 7+ years with the average length of time at 11.6 years.
- 60% own a single property
- 3 responses provided by renters

ARE RESIDENTS CONCERNED WITH EXISTING ROAD CONDITIONS?

61% YES 39% NO

TOP ROADWAY CONCERNS:

1. EROSION ISSUES
2. DUST

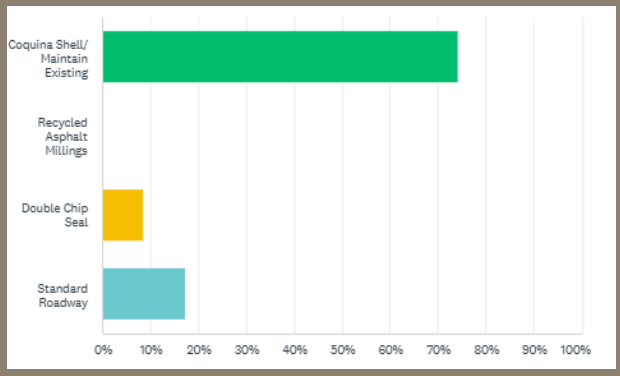
NEXT STEPS

The City's Road Maintenance and Stormwater Departments have received the full survey results that detail specific areas of concern. Staff is evaluating solutions to support residents including, but not limited to:

- **Increased Grading Frequency,**
- **Adding new coquina mix, and**
- **Implementing environmentally responsible dust control methods**

If you are actively experiencing a roadway issue, please send an email to operations@fbfl.org.

MATERIAL PREFERENCE



CHAPTER 9
BOARDS AND COMMISSIONS

		Page
9.01.00	REQUIREMENTS FOR ALL BOARDS AND COMMISSIONS	9-2
9.01.01	Appointment, Term of Office, and General Membership Requirements	9-2
9.01.02	Attendance	9-2
9.01.03	Officers and Committees	9-2
9.01.04	Removal and Vacancies	9-2
9.01.05	Public Meetings, Hearings, and Records	9-3
9.01.06	Quorum and Voting	9-3
9.01.07	By-Laws	9-3
9.01.08	Parliamentary Authority	9-3
9.01.09	Legal Representation	9-3
9.01.10	Compensation	9-4
9.01.11	Funding	9-4
9.01.12	Conflict of Interest	9-4
9.01.13	General Powers	9-4
9.02.00	PLANNING ADVISORY BOARD	9-4
9.02.01	Establishment	9-4
9.02.02	Membership and Terms of Office	9-4
9.02.03	Roles and Responsibilities	9-5
9.03.00	HISTORIC DISTRICT COUNCIL	9-5
9.03.01	Establishment	9-5
9.03.02	Membership	9-6
9.03.03	Authority to Seek Professional Expertise	9-7
9.03.04	Roles and Responsibilities	9-7
9.03.05	Certified Local Government Program	9-7
9.04.00	BOARD OF ADJUSTMENT	9-8
9.04.01	Establishment	9-8
9.04.02	Membership	9-8
9.04.03	Roles and Responsibilities	9-8
9.05.00	TECHNICAL REVIEW COMMITTEE	9-8
9.05.01	Establishment	9-8
9.05.02	Membership	9-8
9.05.03	Roles and Responsibilities	9-8
9.05.04	Rules of Procedure	9-8

9.01.00 REQUIREMENTS FOR ALL BOARDS AND COMMISSIONS

9.01.01 Appointment, Term of Office, and General Membership Requirements

A. All members and alternate members are appointed by the City Commission.
B. All voting members and alternate members must reside within the City Limits.
C. Elected officials and employees of the City are not eligible to serve on City boards, commissions, or committees unless otherwise provided herein.
D. All members serve at the pleasure of the City Commission.
E. The term of office for all voting and alternate members is three (3) years, and vacancy occurs at the end of the three (3) year term.
F. When a term expiration occurs, the member or alternate member must reapply if they wish to serve another term.

9.01.02 Attendance

A member whose term has expired may continue to serve until they are either re-appointed, or a new member is appointed.

A. Each appointed member and alternate member will attend all regular meetings and called meetings.

9.01.03 Officers and Committees

A. Each board, commission, or committee must have a chairperson, vice-chairperson, and a recording secretary.
B. The chairperson and vice-chairperson serve one (1) year terms. The chair and vice-chair will be elected by the board, commission, and committee at its January Meeting. All board, commission, and committee voting members are eligible to serve in these positions.
C. A board, commission, or committee may create any subcommittees it deems necessary to carry out its purposes. The chairperson of the board, commission, or committee will appoint the membership of each subcommittee from the members of that board, commission, or committee.

9.01.04 Removal and Vacancies

A. When a board, commission, or committee seat becomes vacant before its term expires, an alternate member fills the vacancy.
B. When no alternate member is available to fill a vacancy, the City Commission may appoint a member to fill the vacancy for the duration of the unexpired term.
C. When the unexpired term is two (2) months or less, the City Commission may appoint a new member to fill the unexpired term and the following full term.
D. A member who moves outside the City or no longer meets eligibility requirements for membership is considered removed immediately.
E. Any member who has been absent for three (3) regular meetings in one calendar year is subject to removal.
F. Vacancy occurs upon death, resignation, removal, conviction of a felony, or expiration of term.
G. Term limits and reappointment.
    a. Term limits do not apply to appointed board, commission, or committee members.
    b. All terms are effective January 1 of a given calendar year and expire on December 31 of the calendar year ending the term.
    c. The City Clerk's office will provide notice of vacancies upon receipt of member resignation, notice of removal, or, in the case of an expiring term, by September 1 of the calendar year ending the term.

d. All interested persons, including members seeking reappointment, must complete an application and submit it to the City Clerk's office on or before November 15 of the calendar year ending the term. Applications will be considered at the first City Commission regular meeting in December.
e. Newly appointed or reappointed members begin their terms in January.

9.01.05 Public Meetings, Hearings, and Records

A. All meetings and hearings of boards or commissions shall be open to the public.
B. Each board or commission shall keep minutes of its proceedings, indicating the attendance of each member and the decision of each member on every question. The minutes shall be signed by the chairperson and filed with the City Clerk.
C. A record shall be made of all resolutions, transactions, findings, recommendations, and decisions, which record shall be a public record on file in the office of the City Clerk.

9.01.06 Quorum and Voting

A. For the purpose of transacting business at any meeting or hearing, a majority of the board or commission members shall constitute a quorum.
B. Approval of actions, other than variances, before the board or commission requires an affirmative vote of a majority of the members. Approval of a variance requires an affirmative vote of four (4) members of the HDC or the Board of Adjustment.
C. An alternate shall be seated in the following situations:
   1. When a regular member is absent;
   2. When a regular member abstains from a vote; or
   3. When a regular member is disqualified from a vote as provided for in Section 9.01.12.

9.01.07 By-laws

A. Each board or commission shall enact by-laws to govern its operation and procedures.
B. By-laws shall not conflict with the requirements of this LDC. In the event of any conflict between the provisions of this LDC and the by-laws, the provisions of this LDC shall control.
C. The following topics may be included in the by-laws:
   1. The designation of officers;
   2. The specific duties of officers;
   3. The creation of committees;
   4. Code of conduct;
   5. Voting procedures;
   6. Scheduling of meetings;
   7. Order of business; and
   8. Preparation of minutes.

9.01.08 Parliamentary Authority

All meetings shall be conducted in accordance with parliamentary procedure as set forth and explained in the latest revised edition of Robert's Rules of Order, which shall serve as the official rules of procedure.

9.01.09 Legal Representation

The City Commission may appoint legal counsel to represent a board or commission.

9.01.10 Compensation

Members shall serve without compensation but may be reimbursed for actual expenses incurred in connection with their official duties.

9.01.11 Funding

The City Commission may appropriate funds at its discretion for expenses necessary in the conduct of the duties of appointed boards and commissions.

9.01.12 Conflict of Interest

A. A member shall abstain from voting on a particular issue, or may be disqualified by majority vote of the remaining members present, if any of the following circumstances apply:
   1. The member has a direct financial interest in the outcome of the matter at issue;
   2. The matter at issue involves the member's own official conduct;
   3. Participation in the matter violates the member's code of professional responsibility;
   4. The member has such close personal ties to a person involved with the issue that the member cannot reasonably be expected to exercise sound judgment in the public interest; or
   5. Other applicable law.

B. If a member owns a property within the area entitled to receive mailed notice of the hearing, that board member may voluntarily abstain from voting if the board member believes that the proximity of the project will interfere with his or her ability to be a decision maker in the case.

C. An abstaining or disqualified member of a board or commission shall not be counted for purposes of forming a quorum.

D. A member who takes a position on the issue based upon personal interest may do so only by abstaining from voting on the proposal, vacating the seat on the board or commission, physically joining the audience, and making full disclosure of his status and position at the time of addressing the board or commission.

E. A member who votes on a matter shall not address the City Commission on that matter.

9.01.13 General Powers

A board or commission may request information from any official, staff member, or department of the City, which is necessary in order to carry out specific roles and responsibilities.

9.02.00 PLANNING ADVISORY BOARD

9.02.01 Establishment

There is hereby created a Planning Advisory Board, with the roles and responsibilities as set forth herein.

9.02.02 Membership and Terms of Office

A. There will be seven (7) voting members.

B. Terms will be staggered such that no more than three (3) terms expire simultaneously.

C. All members are at large members and will be confirmed by majority vote of the City Commission.

D. When a member is appointed by the City Commission to fill a vacancy created by the departure of a voting member, the term will be the remaining unexpired term of the voting member.

E. Regular members may be removed without cause by majority vote of the City Commission.

F. The City Commission prefers to appoint members with experience in the fields of planning and zoning, engineering, architecture, real estate, law or historic preservation.

G. In addition to the above members, one (1) nonvoting member will be appointed from the Nassau County School Board. This member will be the person appointed by the School Board to attend those meetings at which the Planning Advisory Board considers rezoning of land or an amendment to the comprehensive plan that, if approved, will increase the residential density on property that is the subject of an application.

9.02.03 Roles and Responsibilities

The Planning Advisory Board shall have the roles and responsibilities described below.

A. To serve as the Local Planning Agency (LPA), pursuant to Chapter 163.3174, *F.S.* As the LPA, the Planning Advisory Board shall:
   1. Make recommendations to the City Commission regarding adoption of a comprehensive plan;
   2. Monitor and oversee the effectiveness and status of the comprehensive plan, including periodic evaluations as required by the *Florida Statutes;*
   3. Make recommendations to the City Commission regarding amendment of its adopted comprehensive plan; and
   4. Carry out such other duties as may be specified in Chapter 163, Part II, *F.S.*

B. To provide advice and recommendations to the City Commission regarding growth, land use, long-range planning, and redevelopment following disasters.

C. To hear, consider, and make recommendations to the City Commission regarding applications to:
   1. Amend the Zoning Map (also called "rezoning");
   2. Amend the text of the LDC;
   3. Create a subdivision (preliminary subdivision plats); and
   4. Amend the comprehensive plan.
   5. To hear and decide applications for a site plan for a Planned Unit Development.

D. In carrying out its duties, the Planning Advisory Board may:
   1. Establish such committees as may be necessary to gather facts, analyze findings, and make recommendations to the Planning Advisory Board as a whole;
   2. Acquire and maintain such information and materials as are necessary for an understanding of past trends, present conditions, and forces at work to cause changes in these conditions;
   3. Make or cause to be made any necessary special studies on the location, conditions, and adequacy of facilities in the City; and
   4. Periodically evaluate the comprehensive plan and LDC and propose amendments to the City Commission.

9.03.00 HISTORIC DISTRICT COUNCIL

9.03.01 Historic District Council Created and Established

A. Establishment

There is hereby established the Historic District Council (HDC). The HDC is intended to be the City's primary agency responsible for furthering historic preservation within the City.

B. Membership

1. There shall be five (5) regular members of the HDC.

2. There shall be two (2) alternate members of the HDC.

3. Where possible, members shall include, to the extent such individuals are available in the community and willing to serve, one (1) registered architect, and professionals from the disciplines of architecture, construction, design, history, architectural history, archaeology, or other historic-related fields such as urban planning, American studies, cultural geography or cultural anthropology. Persons who have demonstrated special interest,

experience or knowledge in history, architecture or related disciplines such as law, real estate, land development, or construction shall make up the remainder of the HDC membership. Current resumes of HDC members shall be kept by the City as a public record.

C. Authority to Seek Professional Expertise

1. With City Commission approval, the HDC may obtain the services of qualified persons to direct, advise, and assist it.

2. The HDC may request equipment, supplies, and other materials necessary for its effective operation.

3. When the HDC considers National Register nomination proposals and other actions which are normally evaluated by a professional in a specific discipline, and that discipline is not represented on the HDC, it may seek professional expertise in this area before rendering a decision. City Commission approval is required for any such professional contracts.

9.03.02 Historic District Council Roles and Responsibilities

The HDC shall have the duty and responsibility to:

A. Identify, study, and recommend sites, structures, buildings, improvements, artifacts, and areas for designation as historic landmarks, historic sites, or historic districts.

B. Maintain and update the historic properties survey as an inventory of historic landmarks, historic sites, and properties in historic districts. All inventories shall be compatible with the Florida Master Site File, which exemplifies the format used for statewide comprehensive historic preservation planning and kept current and regularly provided to the state historic preservation officer for incorporation in the Florida Master Site File.

C. Review and approve or deny applications for a certificate of Approval for construction, alteration, demolition, or removal of historic landmarks, historic sites, archaeological sites, properties in historic districts, or properties in the CRA Overlay.

D. Review and make recommendations on National Register nominations within its jurisdiction.

E. Make recommendations to the City Commission concerning the assignment of development rights or facade easements, or the imposition of other restrictions.

F. Hear applications for variances within the Historic District Overlay or the CRA Overlay.

G. Increase public awareness of the value of historic, architectural, and cultural preservation by developing and participating in public preservation information programs, and by updating such programs and public information documents.

H. Make recommendations to the City Commission concerning the solicitation of grants from federal and State agencies, private groups, and individuals, and promote the preservation of historic or architecturally significant landmarks, sites, or properties in historic districts.

I. Promulgate standards for architectural review.

J. Evaluate and comment upon proposals pending before other public agencies affecting the physical development and land use patterns in or around historic landmarks, sites, or districts.

K. Make recommendations to the City Commission on the purchase of historic landmarks, historic sites, or properties in historic districts where private preservation is not feasible.

L. Perform any other functions which may be designated by resolution or motion by the City Commission.

9.03.03 Historic District Council Policy and Procedure statements

The HDC may formulate and publish such policy and procedure statements as it deems reasonably necessary and appropriate to:

A. Explain the format of information to be provided in the application for a Certificate of Approval.
B. Explain the criteria and basis for HDC evaluation and ruling upon applications for a Certificate of Approval.
C. Designate items to be subject to final staff approval without need for a hearing before the HDC.

9.03.04 Historic District Council staff roles and responsibilities

A. The City Manager shall provide professional staff in the City Planning Department to support the HDC in carrying out its responsibilities under this Chapter. Where possible, staff should have a background in historic preservation or a related field.
B. Staff shall not sit as officer or board member of local preservation-related organizations and shall act in an impartial manner in all matters involving the HDC.

9.03.05 Certified Local Government Program

In order to comply with the Department of State, Division of Historic Resources, "certified local government" requirements, the HDC shall take the following actions:

A. A copy of all duplicate inventory materials will be provided to the SHPO. This will include any new or revised resumes of the HDC members or staff.
B. The SHPO shall be provided with thirty (30) days prior notice of all HDC meetings. In the event of a special meeting, reasonable notice shall be given.
C. Minutes of all HDC meetings shall be submitted to the SHPO. These minutes shall include a record of attendance of council members, the public, and any change in council membership.
D. The SHPO shall be notified immediately of all new historic designations or alterations to existing designations.
E. Proposed amendments to the LDC pertaining to the Historic District Overlay shall be sent to the SHPO for review and comment thirty (30) days prior to the scheduled adoption hearing.
F. Objections by property owners that are notarized and filed with the HDC shall be submitted to the SHPO in order to prevent involuntary nomination to the National Register.
G. The HDC shall submit an annual report to the SHPO on or before November 1 of each year covering the previous October 1 through September 30 period. The annual report shall include:
    1. Any changes or amendments to HDC rules of procedure;
    2. The number of proposals and applications reviewed by the HDC;
    3. New historic designations or alterations to existing designations;
    4. Changes to the HDC;
    5. New or revised resumes of HDC members or staff;
    6. Changes or requested changes to the Historic District Overlay regulations;
    7. Review of the survey and inventory activities with a description of the system used; and
    8. A program report on each grant-assisted activity.

9.04.00 BOARD OF ADJUSTMENT (BOA)

9.04.01 Establishment

There is hereby established a Board of Adjustment for the purpose of hearing and deciding on appeals of administrative decisions and hearing and deciding on applications for variances.

9.04.02 Membership

A. There shall be five (5) regular members of the BOA.
B. There shall be two (2) alternate members of the BOA.

9.04.03 Roles and Responsibilities

The BOA shall have the roles and responsibilities described in this section. The BOA shall conduct public hearings and render decisions in compliance with the requirements of this LDC on the following matters:

A. To hear and decide appeals where it is alleged there is error in any order, interpretation, requirement, decision, or determination made by an administrative official in the enforcement of this LDC (See Section 11.07.00 for procedures regarding appeals); and
B. To authorize a variance from a provision of the LDC, as set forth in Chapter 10.

9.05.00 TECHNICAL REVIEW COMMITTEE

9.05.01 Establishment

There is hereby created and established a Technical Review Committee (TRC) for the purpose of receiving, reviewing, and rendering decisions on applications subject to administrative review and decision as set forth in Chapter 11.

9.05.02 Membership

Membership of the TRC shall include, at a minimum, a representative from the following City departments:

A. Planning and Zoning
B. Utility
C. Building
D. Facilities Maintenance
E. Fire Department

9.05.03 Roles and Responsibilities

A. The TRC shall review applications and provide compliance reports for site plans, rezoning, amendments to this LDC, preliminary subdivision plats, final subdivision plats, and amendments to previously issued local development orders.
B. The TRC shall perform such other duties as may be assigned by the City Commission or City Manager.

9.05.04 Rules of Procedure

A. The City Manager shall appoint the chair of the TRC.
B. The TRC shall establish and publish a schedule of deadline dates for applications and regular meetings. Meetings may be called by the TRC chairperson.
C. The TRC may establish such additional rules of procedure as needed to carry out its roles and responsibilities.

CERTIFICATE OF APPROVAL (COA) HDC2023-0090
FOR CITY OF FERNANDINA BEACH

Plan Type:	HDC - Board Review	**Project:**		**App Date:**	05/10/2023
Work Class:	Residential	**District:**	Default	**Exp Date:**	06/09/2023
Status:	Approved	**Square Feet:**	0.00	**Completed:**	06/16/2023
Valuation:	$0.00	**Assigned To:**	Salvatore Cumella	**Approval Expire Date:**	12/27/2025

Description: Certificate of Approval (COA) to construct rear and side additions
5/6/2024 - Request for 6 month extension, new COA expiration 12/17/2024 - Approved smc
11/27/24 - 2nd Request for 6 month extension, new COA expiration 06/17/2025 - Approved smc

Parcel: 00-00-31-1800-0037-0022 Main	**Address:** 14 S 6Th St Main Fernandina Beach, FL 32034	**Zone:** C-3(Central Business District)

Applicant	Agent	Owner
Cotner Architects, LLC	Cotner Architects, LLC	Matthew + Katharine Meade
15 North 18th Street N 18th	15 North 18th Street N 18th	14 s 6th street S 6th
Fernandina Beach, FL 32034	Fernandina Beach, FL 32034	Fernandina Beach, FL 32034
Business: 9042774593	Business: 9042774593	Mobile: 908-246-9895

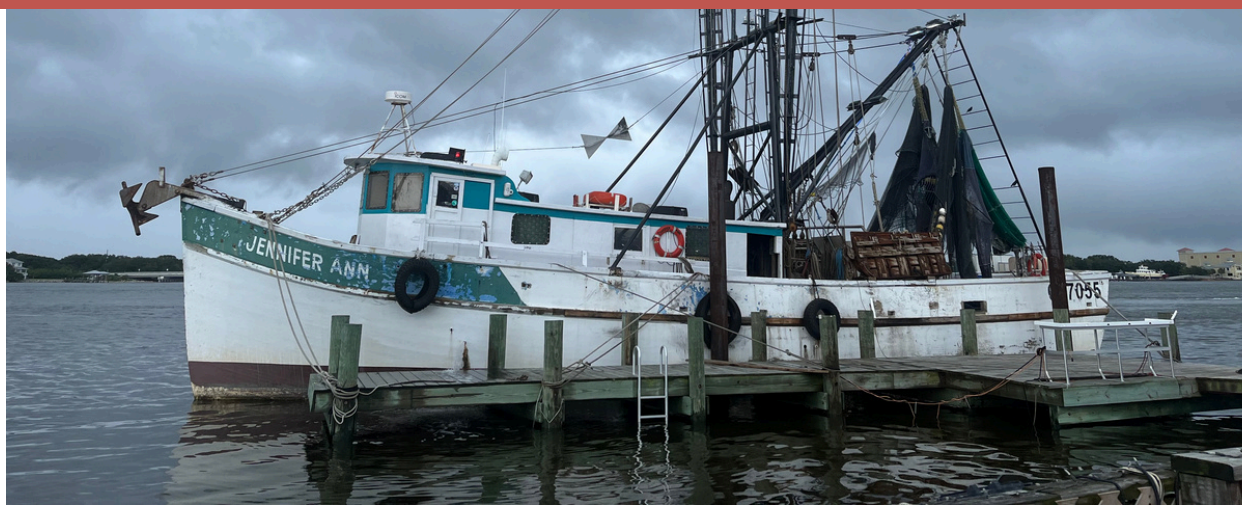
Note	Created By	Date and Time Created
1. Rec'd email requesting extention of COA for 6 months	Sylvie McCann	05/06/2024
2. Rec'd email requesting extention of COA for 2nd 6 months - new exp 06/17/2025	Sylvie McCann	11/27/2024
3. Processed 6 month tolling for 2nd request to preserve final COA extention. new expiration 12/17/25	Kelly Gibson	01/13/2025

Activity Type	Activity Number	Name	User	Created On
HDC Decision	DEC-001579-2023		Sylvie McCann	07/07/2023
HDC Decision	DEC-001586-2023		Salvatore Cumella	08/18/2023

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00026574	COA - Residential	$250.00	$250.00
	Total for Invoice INV-00026574	$250.00	$250.00
	Grand Total for Plan	**$250.00**	**$250.00**

MUST BE POSTED IN A CONSPICUOUS PLACE

FERNANDINA BEACH SHRIMPING INDUSTRY LISTENING SESSION



ABOUT THIS LISTENING SESSION

In this workshop, we will brainstorm how to bolster the shrimping industry, honor its history, and identify opportunities for growth. Please join the Northeast Florida Regional Council on February 24th to share your ideas and collaborate!

EVENT DETAILS

Time: 10AM - 12PM

Date: February 24th, 2025

Location: Fernandina Beach City Hall
204 Ash St.
Fernandina Beach, FL 32034

WHO SHOULD ATTEND

- **Shrimping Industry**
  People who shrimp, or process, pack, or sell local shrimp - including restaurants!
- **Tourism Industry**
  People who promote shrimping, host tourism excursions, and organize community events
- **Government Staff, Scientists & Researchers**
  People involved in planning, resiliency, marine research, and community development
- **Historians & Community Members**
  People invested in seeing historic shrimping communities in northeast Florida thrive

NEFRC

Questions? Contact Cassidy Taylor at CTaylor@nefrc.org or (904) 637-9739

FLORIDA DEPARTMENT of STATE

RON DESANTIS
Governor

CORD BYRD
Secretary of State

February 5, 2025

Ms. Kelly Gibson, AICP
City of Fernandina Beach
204 Ash Street
Fernandina Beach, FL 32034

RE: PSIQ response for Bosque Bello Cemetery (NA01245), 1321 Bosque Bello, Fernandina Beach, Nassau County

Dear Ms. Gibson:

Thank you for submitting a Preliminary Site Information Questionnaire (PSIQ) for the above referenced cemetery. After reviewing the submitted materials, our office has determined that the cemetery is potentially individually eligible for listing in the National Register of Historic Places (NRHP) under Criterion A for Settlement/Exploration and Criterion C for Art with a local level of significance. These areas of significance could be expanded and additional criteria added based upon additional information provided in the nomination.

Staff advises that the nomination boundary focuses on the areas of the cemetery that are historic, such as the Old Section. If the goal is to expand the period of significance beyond the earlier era of the cemetery's development, then the context provided should be able to reinforce these claims.

The next step is the preparation of a National Register form, which will be emailed to you. The instructions for completing the form are available online as *National Register Bulletin 16A: How to Complete the National Register Registration Form,* https://www.nps.gov/subjects/nationalregister/upload/NRB16A-Complete.pdf. If you have any questions, please contact me by email at andrew.waber@dos.fl.gov, or by telephone at (850) 245-6430.

Sincerely,

Andrew Waber
Historian
Bureau of Historic Preservation
Department of State