



**AGENDA
TECHNICAL REVIEW COMMITTEE
REGULAR MEETING
JUNE 24, 2021
9:00 AM
CITY HALL COMMISSION CHAMBERS
204 ASH STREET
FERNANDINA BEACH, FL 32034**

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PLEDGE OF ALLEGIANCE**
- 4. APPROVAL OF MINUTES**
 - 4.1 Approval of Minutes for the June 10, 2021 Regular Meeting
- 5. DISCUSSION ITEMS**
 - 5.1 Pre-Application: 302 Centre Street - John Cotner to discuss demolition of the existing structure and construction of a 6100 square foot restaurant space.
 - 5.2 Pre-Application: 1005 S. 14th St., Asa Gillette, Gillette & Associates, Inc. to discuss construction of a new multi-purpose church building. This property is zoned R-2.
- 6. DEVELOPMENT INQUIRIES FROM APPLICANTS NOT ON THE AGENDA - DISCUSSION ONLY, NO ACTION TO BE TAKEN.**
- 7. COMMITTEE BUSINESS**
 - 7.1 SPR 2021-0008 - Chris Nardone, Passero Associates, LLC. - Site Plan Review of Waterfront - South Front Street - Marina Parking Lots C & D
- 8. ADJOURNMENT**

NEXT REGULAR TRC MEETING IS SCHEDULED FOR JULY 8, 2021

Persons with disabilities requiring accommodations in order to participate in this program or activity should contact 310-3115, TTY 711, or through the Florida Relay Services at 1-800-955-8771 (TTY number for all City offices) at least 24 hours in advance to request such accommodations.



**MINUTES
TECHNICAL REVIEW COMMITTEE
REGULAR MEETING
JUNE 10, 2021**

- 1. CALL TO ORDER 9:00**
- 2. ROLL CALL**

MEMBERS PRESENT:

Jacob Platt, Planning

Sal Cumella, Historic Preservation

Rex Lester, Streets/ADA

Jason Higginbotham, Fire

Michelle Forstrom, Code Enforcement

Andre Desilet, Stormwater/Utilities

OTHERS PRESENT:

Taylor Hartmann, Recording Secretary

- 3. PLEDGE OF ALLEGIANCE**
- 4. APPROVAL OF MINUTES**

- 4.1 Approval of Minutes for the May 13, 2021, Regular Meeting
- 4.2 Approval of Minutes for the May 27, 2021, Regular Meeting

ACTION TAKEN: A motion was made by Ms. Forstrom, seconded by Mr. Cumella to approve Minutes from the May 13th, 2021 and May 27th meetings as presented.

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

- 5. DISCUSSION ITEMS**

- 5.1 Pre-Application Discussion: Tony Jarzyna, Jarzyna & Associates Architects to discuss a multi-family residential project at 306 Ash Street.

Mr. Platt introduced the case and invited the applicant to speak.

Tony Jarzyna, Architect, provided a brief overview of the proposed project which would be a multi-family residential structure with underground parking. One parcel is located within the historic district and one parcel is not. However, if the lots were to be combined, they would require HDC approval.

Chris Champeau, property owner, was present and spoke about not wanting to utilize any on street parking.

Mr. Desilet indicated that a drainage analysis would need to be performed and stormwater plans would have to be drafted.

Mr. Platt confirmed the impervious surface ratios for C-3 re-development versus new development. He also stated that a landscape buffer would be required across the rear property line abutting the MU-1

zoning district.

Mr. Lester provided a brief history of the ingress and egress easement.

Mr. Champeau spoke about wanting to maintain the easement in order to access the proposed underground parking.

Mr. Lester inquired about handicapped parking availability.

Mr. Desilet stated that there would be impact fees associated with each residential unit.

It was noted that the applicant would need to review the easement language to ensure it would not conflict with other surrounding parcels.

Mr. Platt confirmed that the building height would have to meet flood hazard elevation requirements.

Members agreed that this project needs to return for a full Site Plan Review.

6. OLD BUSINESS

- 6.1 SPR 2020-0013: Nick Gillette with Gillette & Associates - 233 S. 14th St.- Construction of a Group Residential structure. Second Distribution.

Mr. Platt stated that this review should be wrapped up shortly.

7. DEVELOPMENT INQUIRIES FROM APPLICANTS NOT ON THE AGENDA - DISCUSSION ONLY, NO ACTION TO BE TAKEN.

No parties were present.

8. COMMITTEE BUSINESS

There were no Committee Business items to discuss.

9. ADJOURNMENT 9:36

Print

Technical Review Committee (TRC): Pre-Application Meeting Request - Submission #6476

Date Submitted: 12/18/2020

Technical Review Committee (TRC) Pre-Application Meeting Request

USE THIS FORM TO Submit a project for input and guidance from the Technical Review Committee, the City group responsible for reviewing site plans and commercial projects. TRC pre-application meetings are a free service provided by the City of Fernandina Beach to help guide a project through the development review and permitting process. The TRC pre-application meeting is a meeting between an applicant and representatives of City departments responsible for reviewing applications for the purpose of exchanging information on the potential development of a site. This may include providing information on permissible uses of the site; required improvements; infrastructure requirements; any applicable design standards; any potential regional, state or federal standards; requirements for supporting plans, documents and studies; and any applicable design standards.

Fees

None

IMPORTANT NOTES

A change of use occurs when an existing use is replaced by a different use, as listed in table 2.03.02. A proposed change of use shall be subject to the pre-application conferences as set forth in 11.01.02. A change of use shall not require a local development order when all the conditions of 11.00.05 are met. The determination that a proposed use or development constitutes a change of use is an administrative decision subject to appeal. When a local development order is required due to a proposed change of use, all standards and procedures of the Comprehensive Plan and LDC shall apply to the proposed new use.

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



Local Development Orders for a Change of Use – see LDC Section 11.00.05



Pre-Application Conference – see LDC section 11.01.02

The LDC is available for review at

www.fbfl.us/LDC

Application Requirements



A complete application.



Site plans or scaled drawings; and



Any other files that illustrate the proposed project.

PROPERTY INFORMATION

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

Site Address***City*****State*****Zip*****Parcel ID #(s)*****Lot****Block****Subdivision****Zoning District*****Future Land Use Designation*****Overlay District****Size of Property (acres)*****Present Property Use*****Wetlands*****Flood Zone*****Coastal Construction Control Line (CCCL)*****CONTACT INFORMATION**

Applicant or interested party who will be present at the meeting.

First Name***Last Name*****Company (if applicable)****Telephone Number*****E-mail Address*****PROJECT INFORMATION****Project Name****Project Type*****Project Description***

The demolition of the vacant restaurant currently located at 302 Centre Street. We're proposing to replace with a new 6100s.f. restaurant/bar facility. All public space on ground floor (accessible) with a small amount (less than 5 staff/occupants - stockroom) on a partial 2nd level. The facility will be flexible in that much of the space can be indoor or outdoor depending on season. Vernacular sympathetic to our fairly simple business district character.

Describe your project in detail

Proposed Access Road***Rd Maintenance Jurisdiction ***

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.

Applicant First Name*

John

Applicant Last Name*

Cotner

Today's Date*

12/18/2020

Upload Supporting Documentation*

Elevations001.pdf

Upload 2

Floor plan001.pdf

Upload 3

Survey.pdf

Upload 4

Choose File

No file selected

Upload 5

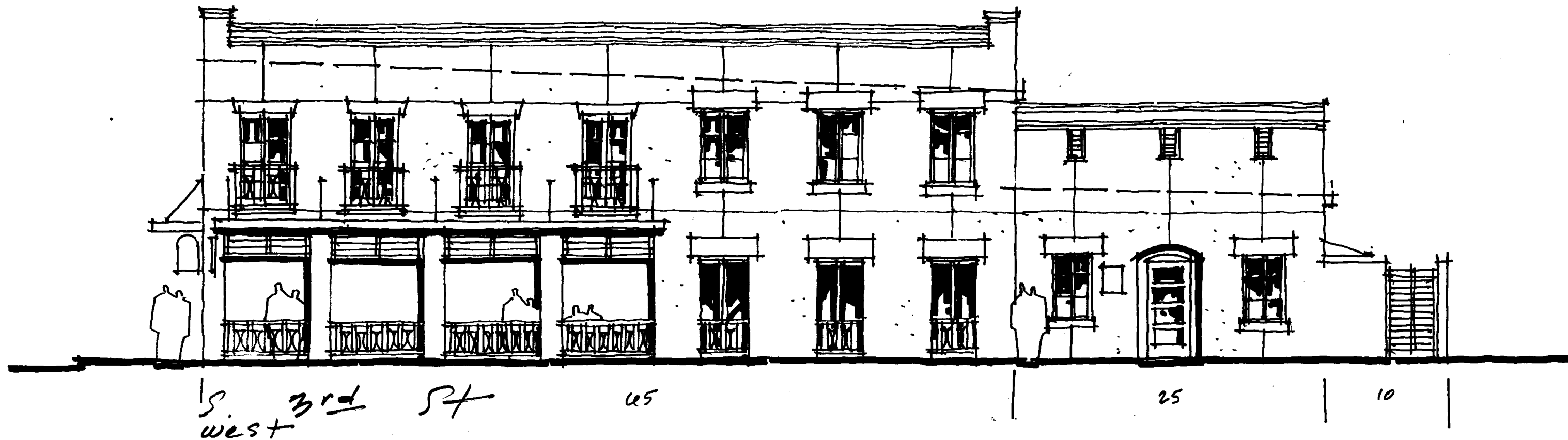
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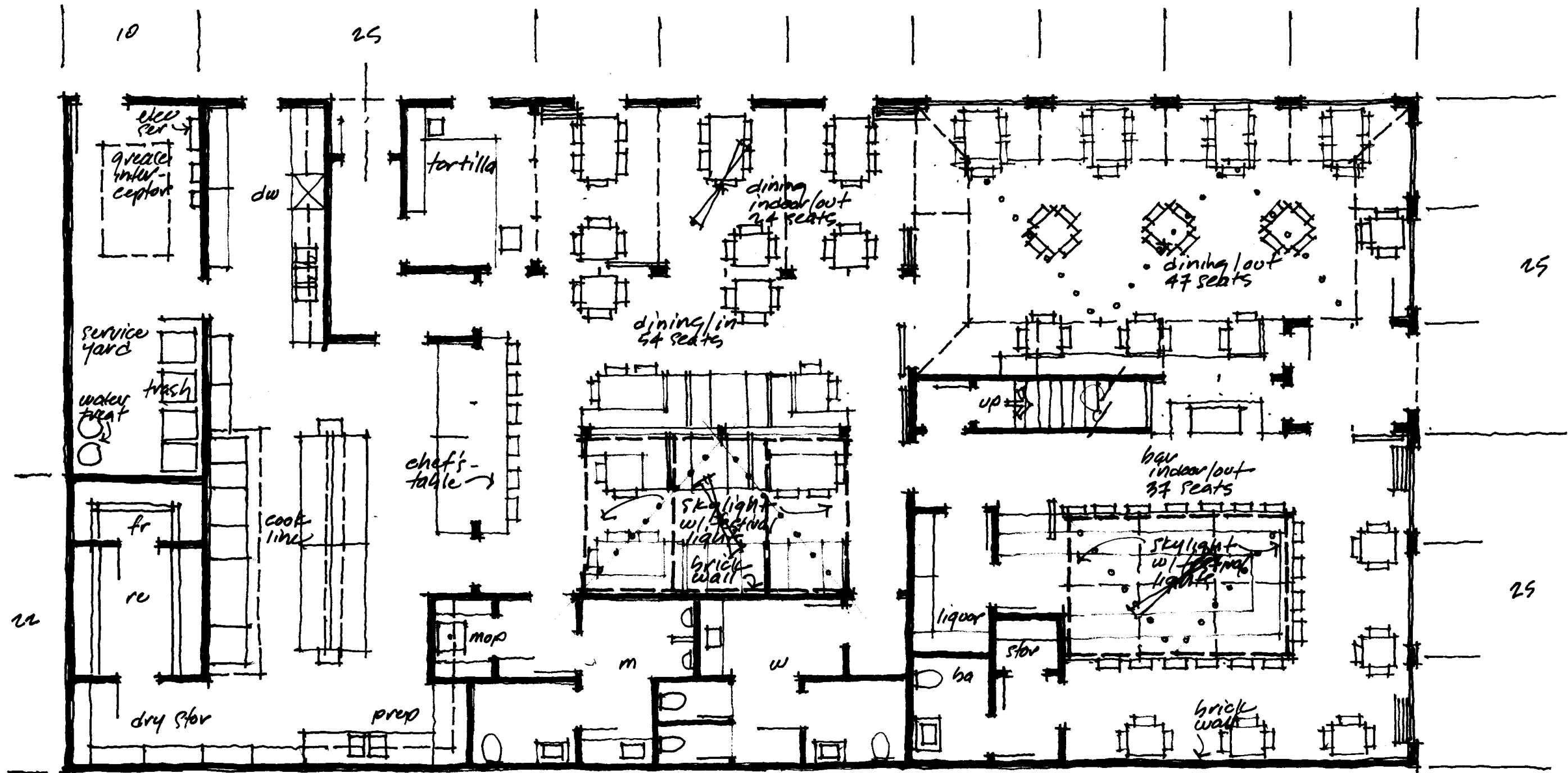
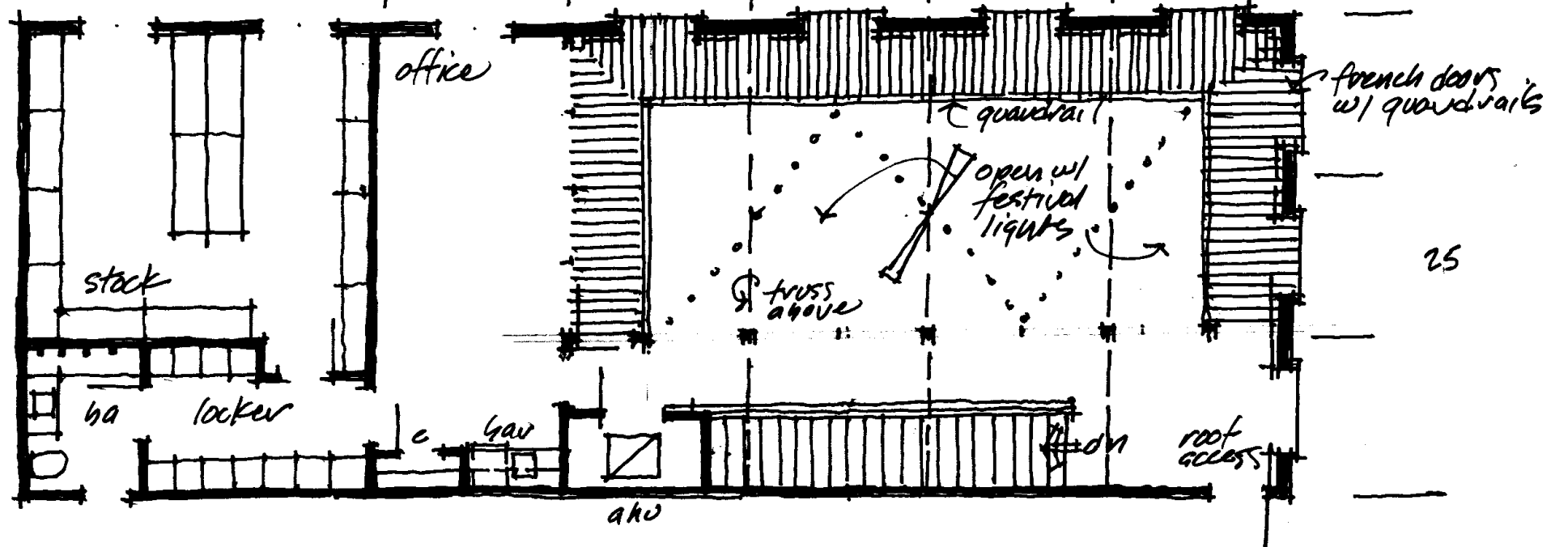
DEPARTMENT OF PLANNING & CONSERVATION

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



300/302 Centre St.
Fernandina Bch. Florida
12-17. 10
corner assoc. inc architects

300/302 Centre St
 fernandina bldg. fl
 12.14.00
 corner assoc. inc. architects
 102 seats total



ALL THAT CERTAIN PIECE, PARCEL OF LAND SITUATE, LYING AND BEING IN THE CITY OF FERNANDINA BEACH (FORMERLY NAMED FERNANDINA), IN THE COUNTY OF NASSAU AND STATE OF FLORIDA AND KNOWN AND DESCRIBED UPON AND ACCORDING TO THE OFFICIAL PLAT OF SAID CITY (AS 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:

CERTIFIED TO:
302 CENTER, LLC
WOOD & SMITH, P.A.
FIRST AMERICAN TITLE INSURANCE COMPANY
PROPERTY ADDRESS:
302/300 CENTRE STREET
FERNANDINA BEACH, FLORIDA 32034

(80 FOOT RIGHT-OF-WAY)

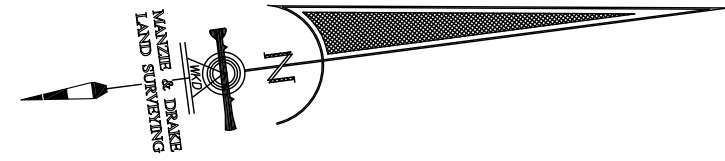


Figure 1 is a horizontal bar chart showing the distribution of the number of non-zero elements in the matrix A for different values of n . The x-axis is labeled with 0, 5, 10, 20, and 40. The y-axis represents the frequency. The bars show a distribution that is skewed to the right, with the highest frequency occurring at 20 non-zero elements.

The site plan illustrates a property layout with the following details:

- Lot 1:** Contains a commercial building (#300/302) with a tiled patio and a freezer. The building footprint is 19.2' x 30.0'. The tiled patio is 19.2' x 25.00' (typical). The freezer is 10.8' x 20.4'. The lot area is 100.00' x 50.00'.
- Lot 34:** Contains a freezer and a 10' wood fence. The lot area is 100.00' x 50.00'.
- Lot 33:** The lot area is 100.00' x 50.00'.
- Lot 32:** The lot area is 100.00' x 50.00'.
- Setbacks and Features:** The plan shows setbacks from Centre Street (100.00' and 100.00'), South Fourth Street (175.00'), and a 6' wood fence (on line). It also shows a stamped concrete sidewalk, roof overhangs, and a 6' wood fence (on line).
- Orientation:** The plan is oriented with Centre Street to the north and South Fourth Street to the south.

CL = CENTERLINE
 = CONCRETE FLATWORK
 = ELECTRICAL BOX
 = LIGHT POLE
 = COVERED AREA
 = ELECTRICAL MANHOLE
 = TELEPHONE PEDESTAL
 = WATER METER
 = WOOD FENCE
 = WOOD POWER POLE

- 1) The "Legal Description" hereon is in accord with the description provided by the client
- 2) Underground Improvements were not located or shown.
- 3) Lands shown hereon were not abstracted by this office for easements, rights-of-way, ownership or other instruments of record.
- 4) Internal Lot angles shown hereon are based on recovered monumentation..
- 5) Unless it bears the signature and the original raised seal of a Florida licensed surveyor and mapper, this map/report is for informational purposes only and is not valid.
- 6) The property shown hereon lies within flood zone "X" as per F.E.M.A. Flood Insurance Rate Map, Panel "12089C 02376", Dated "08/02/2017". Flood Zone information listed above and shown on this survey is provided as a courtesy and is approximate at best. All data should be verified by Nassau County Building Department for accuracy. We assume no liability for its accuracy. Flood Zone information is not covered by the certification hereon and is not required to be shown per Chapter 5J-17, Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.
- 7) This survey is protected by copyright and is certified only to the entities listed and only for this particular transaction. Any use or reproduction of this survey without the express written permission of the surveyor is prohibited. Use of this survey in any subsequent transactions is expressly prohibited and is not authorized. The surveyor expressly disclaims any certification to any parties in future transactions. No entity other than those listed should rely upon this survey.

MICHAEL A. MANZIE, P.L.S. 4069

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SCALE: 1"=10' JOB NO: 20775 DATE: 11/05/2019 CADD: BH
F.B. NO: X-341 PAGE NO: 1 FIELD CREW: JM FILE NO: B-1384

PROPERTY INFORMATION:

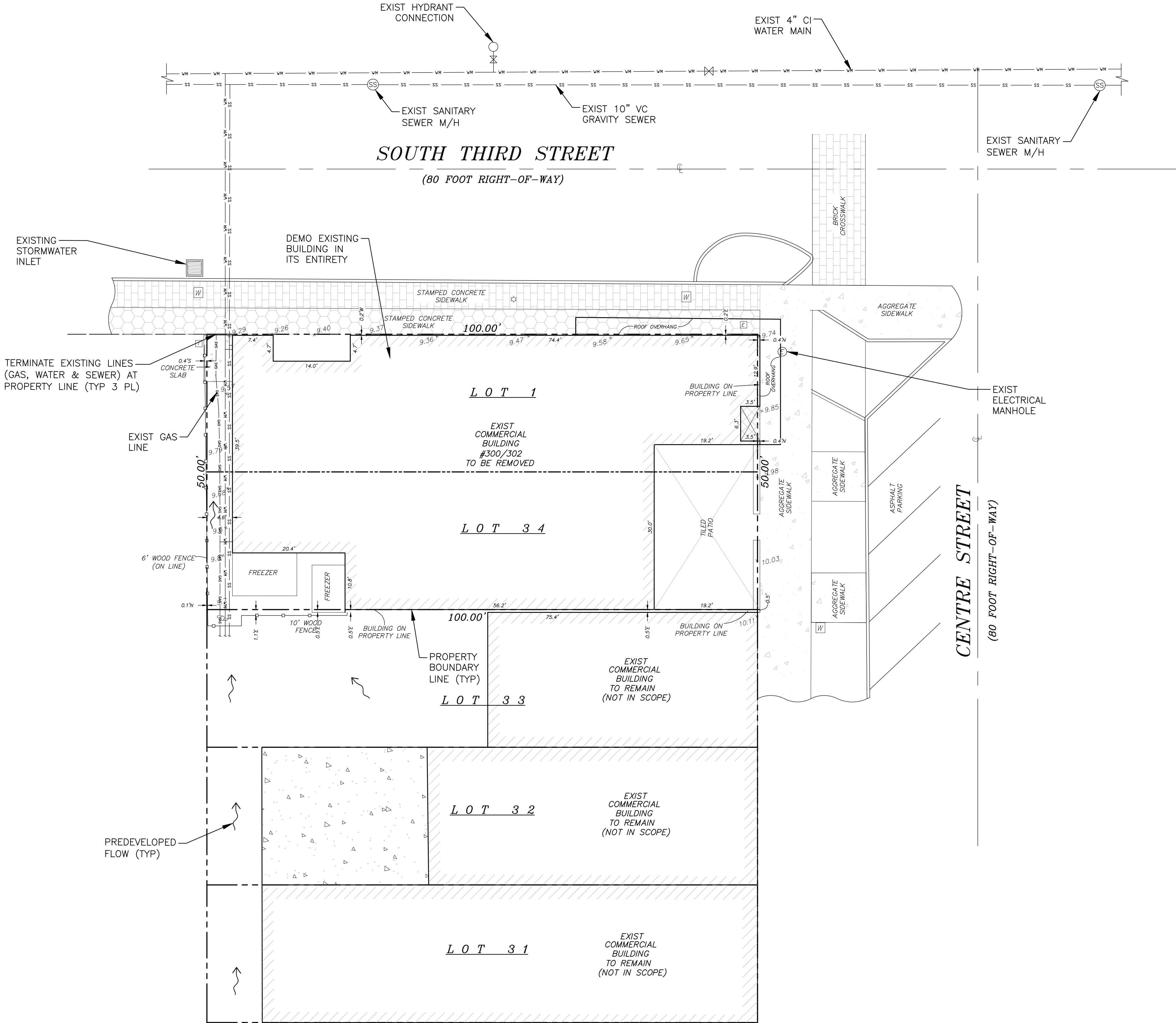
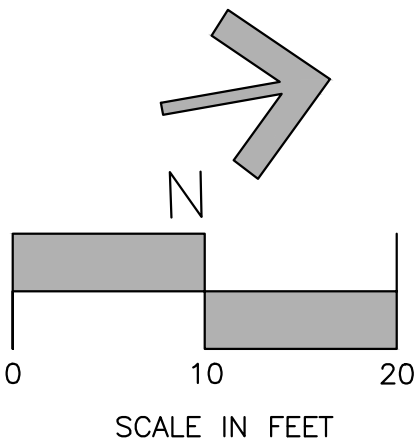
- PID: 00-00-31-1800-0013-0010
 - LOCATION: FERNANDINA BEACH, FL
 - FLOOD ZONE: X
 - ZONING: C-3
 - FUTURE LAND USE: CENTRAL BUSINESS DISTRICT
 - PROPOSED USE: RESTAURANT
- UTILITIES:
- WATER: CITY OF FERNANDINA BEACH
 - SEWER: CITY OF FERNANDINA BEACH
 - POWER: F.P.U.

ISSUE FOR CONSTRUCTION IF APPROVED BY C.O.F.B.

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL

ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177



GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL PE NO. 56177
20 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gilletteassociates.com

300/302 CENTRE STREET
Fernandina Beach, Florida 32034

ISSUE DATE: 5/26/21

PREDEVELOPED
SITE PLAN

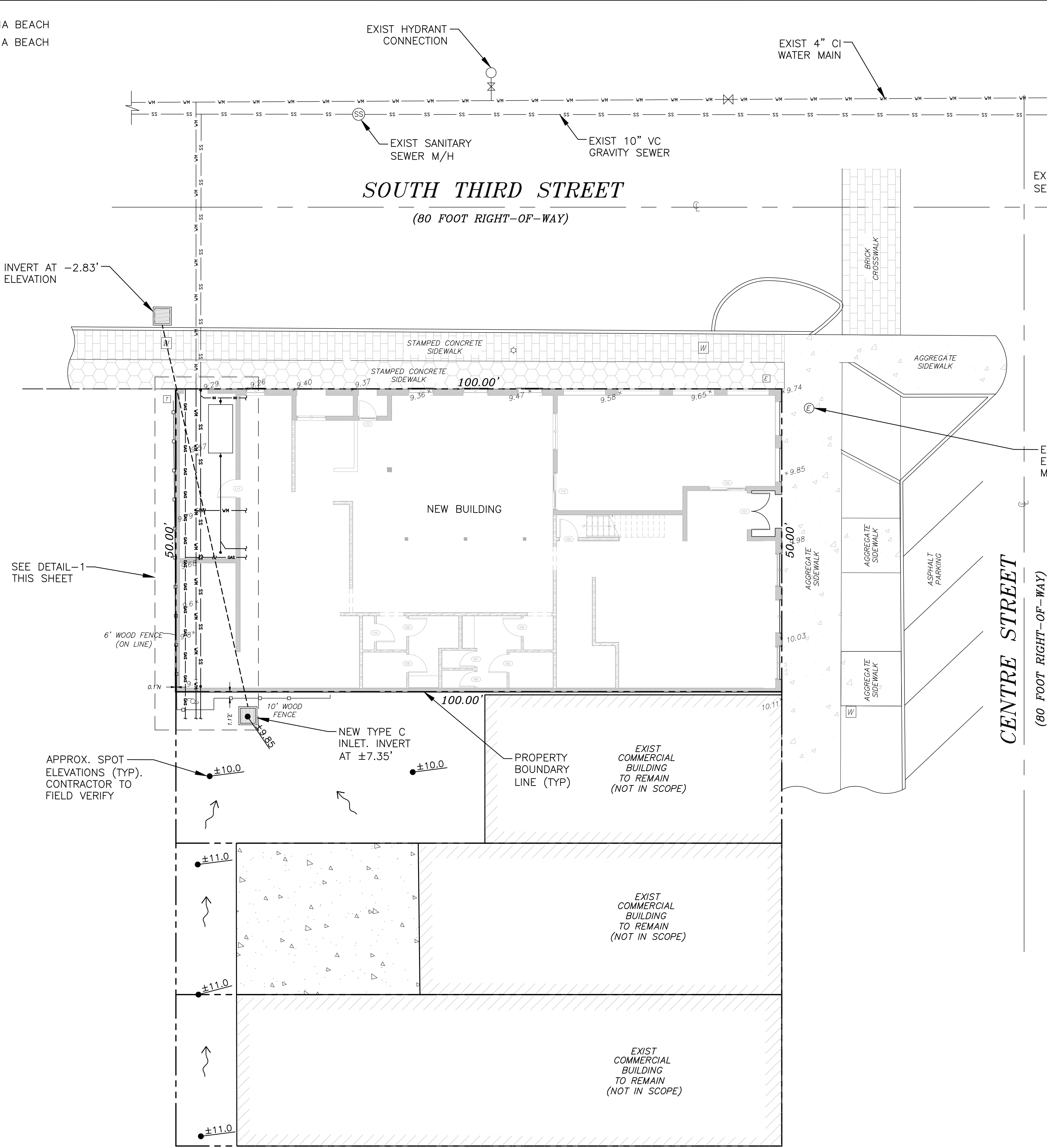
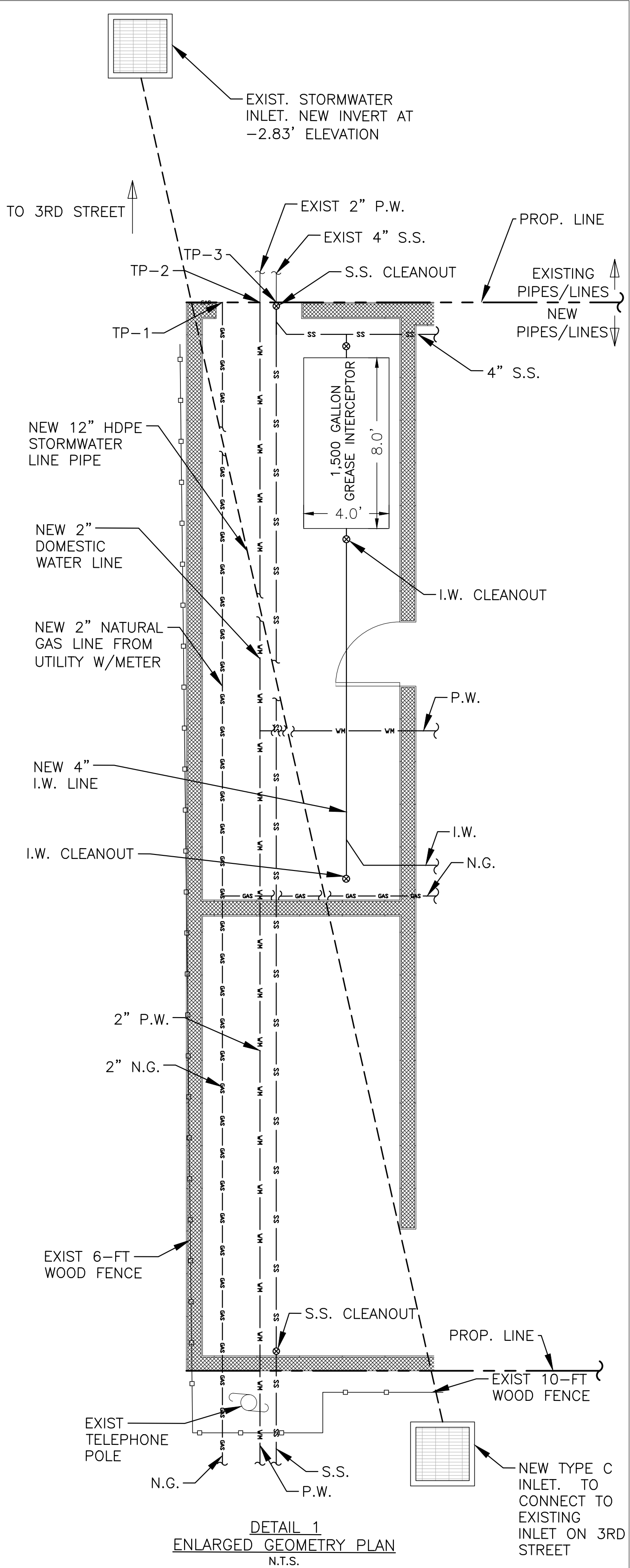
North / Elev Key Sheet
PRE-1
Page 1 of 2

PROPERTY INFORMATION:

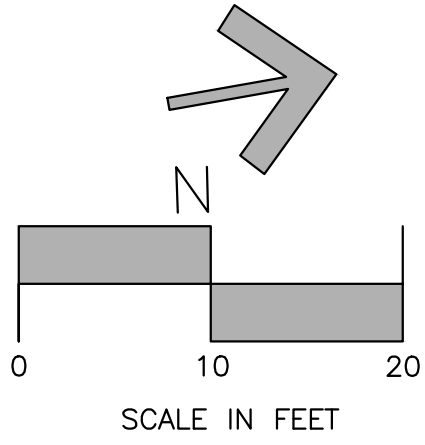
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- WATER: CITY OF FERNANDINA BEACH
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REV	DATE	ITEM	OWNER REVIEW
0	05/26/21		

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300/302 CENTRE STREET
Fernandina Beach, Florida 32034

ISSUE DATE: 5/26/21
POST DEVELOPED
GEOMETRY PLAN

North / Elev Key Sheet
S N E W
GE-1
Page 2 of 2

DRAINAGE CALCULATIONS:
(FOR LOTS 33-31)

TOTAL DRAINAGE AREA: 7,500 SF
TOTAL IMPERVIOUS AREA: 5,700 SF

TOTAL LOT RUNOFF:
(7,500 SF)*(0.5")*(1/12 FT/IN) = 313 C.F.

TOTAL IMPERVIOUS AREA RUNOFF:
(5,700 SF)*(1.0")*(1/12 FT/IN) = 475 C.F.

TREATMENT VOLUME REQUIRED: 475 C.F.

Print

**Technical Review Committee (TRC): Pre-Application Meeting Request -
Submission #7519**

Date Submitted: 6/14/2021

Technical Review Committee (TRC) Pre-Application Meeting Request

USE THIS FORM TO Submit a project for input and guidance from the Technical Review Committee, the City group responsible for reviewing site plans and commercial projects. TRC pre-application meetings are a free service provided by the City of Fernandina Beach to help guide a project through the development review and permitting process. The TRC pre-application meeting is a meeting between an applicant and representatives of City departments responsible for reviewing applications for the purpose of exchanging information on the potential development of a site. This may include providing information on permissible uses of the site; required improvements; infrastructure requirements; any applicable design standards; any potential regional, state or federal standards; requirements for supporting plans, documents and studies; and any applicable design standards.

Fees

None

IMPORTANT NOTES

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



Local Development Orders for a Change of Use – see LDC Section 11.00.05



Pre-Application Conference – see LDC section 11.01.02

The LDC is available for review at

www.fbfl.us/LDC

Application Requirements

All applications and related documents for a Pre-Application Meeting must be submitted by 12:00 p.m. five (5) business days before the scheduled meeting. Required documents are as follow:



A complete application.



Site plans or scaled drawings; and



Any other files that illustrate the proposed project.

PROPERTY INFORMATION

[Property information can be found at the Nassau County Property Appraiser's Website's Map Search](#)

Site Address*

302 Centre Street

City*

Fernandina Beach

State*

FL

Zip*

32034

Parcel ID #(s)*

00-00-31-1800-0013-0010

Lot

1 & 34

Block

13

Subdivision

City of Fernandina Beach

Zoning District*

C-3

Future Land Use Designation*

Central Business District

Overlay District

Downtown Historic District

Size of Property (acres)*

0.11

Present Property Use*

002100

Wetlands*

No

Flood Zone*

AE

Coastal Construction Control Line (CCCL)*

No

CONTACT INFORMATION

Applicant or interested party who will be present at the meeting.

First Name*

302 Centre

Last Name*

LLC

Company (if applicable)

Telephone Number*

904-557-5002

E-mail Address*

robert@hoganassessments.com

PROJECT INFORMATION

Project Name

300/302 Centre

Project Type*

Commercial

Project Description*

Construction of a new 6,100 +/- s.f. 2 story restaurant.

Describe your project in detail

Proposed Access Road*

Centre & S 3rd Streets

Rd Maintenance Jurisdiction *

City Maintained

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.

Applicant First Name*

John

Applicant Last Name*

Cotner

Today's Date*

6/14/2021

Upload Supporting Documentation*

300-302-TRC Drawings.pdf

Upload 2

Marios 6_3.pdf

Upload 3

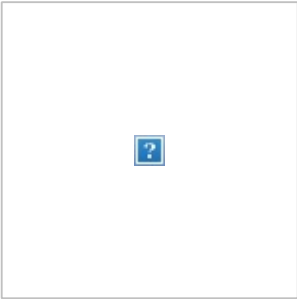
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Upload 4

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DEPARTMENT OF PLANNING & CONSERVATION

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

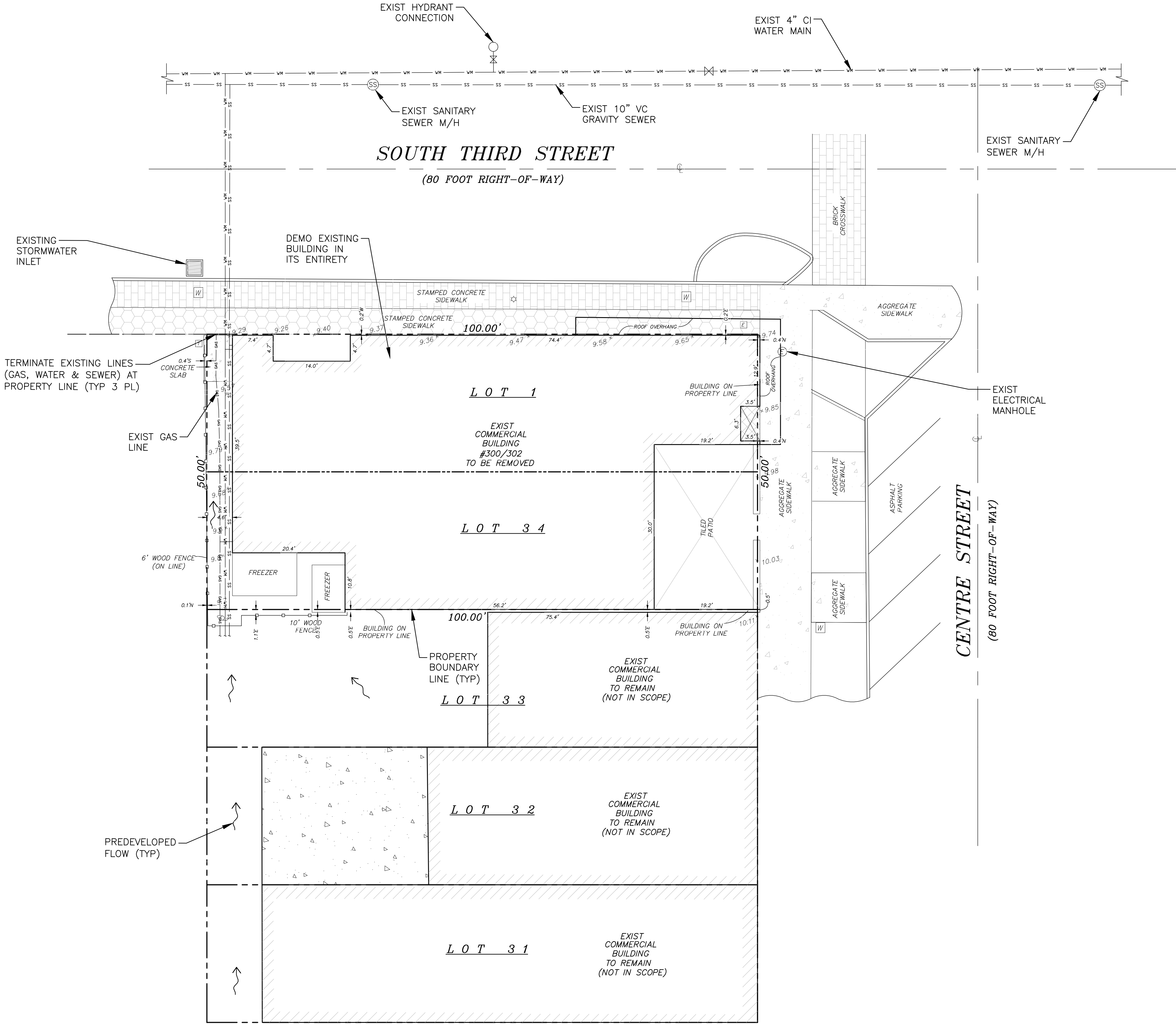
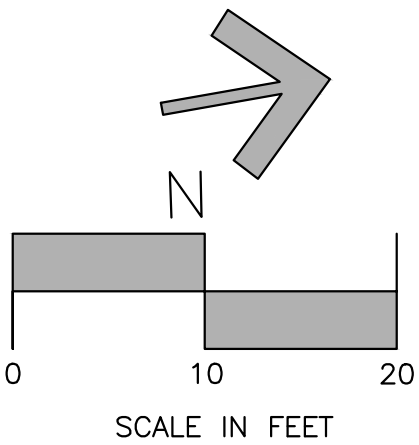
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 - POWER: F.P.U.

ISSUE FOR CONSTRUCTION IF APPROVED BY C.O.F.B.

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300/302 CENTRE STREET
Fernandina Beach, Florida 32034

ISSUE DATE: 5/26/21

PREDEVELOPED
SITE PLAN

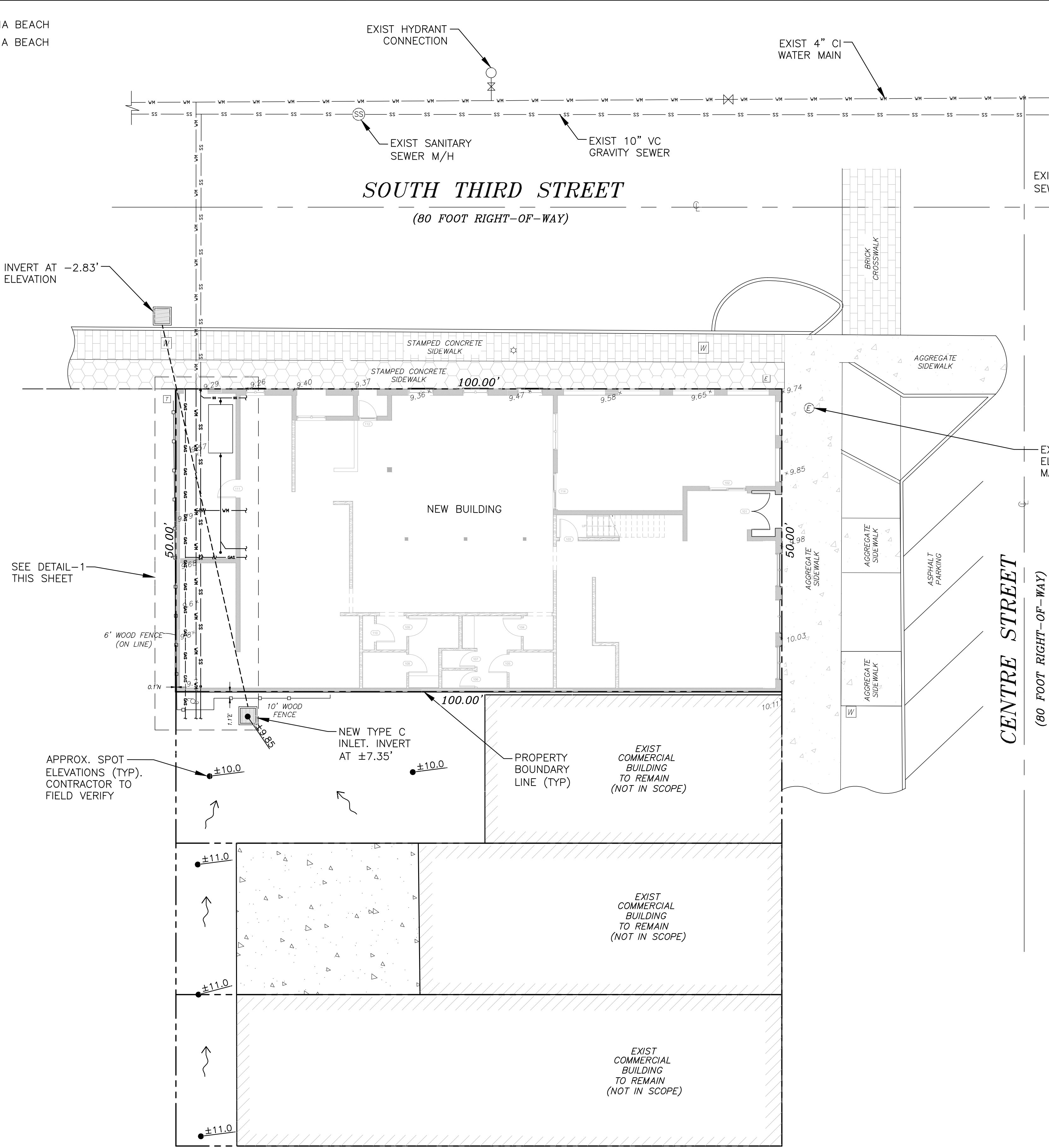
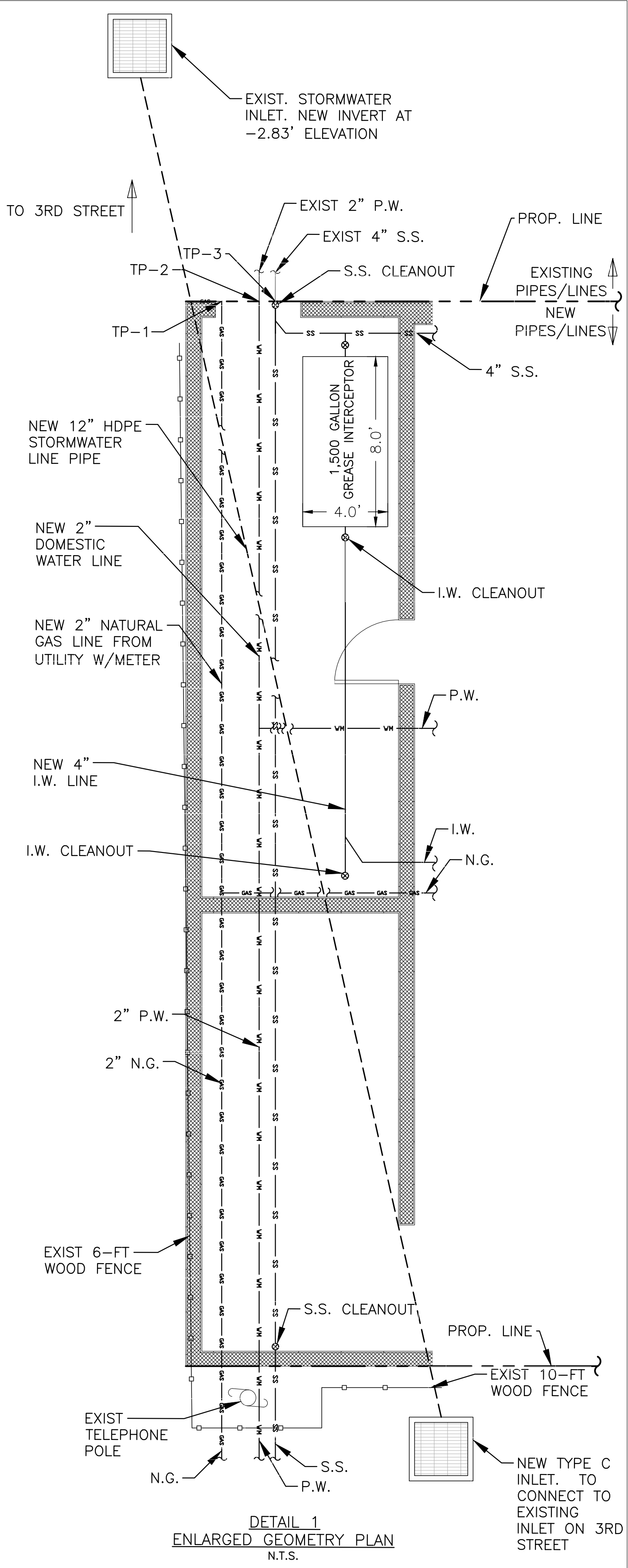
North / Elev Key Sheet
PRE-1
Page 1 of 2

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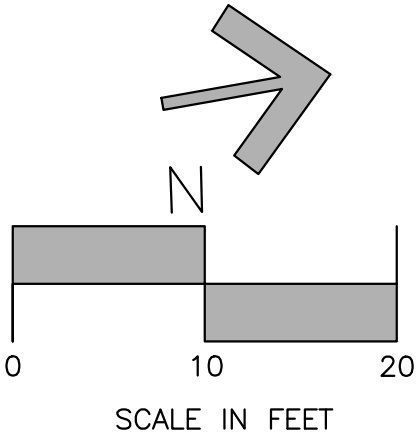
- WATER: CITY OF FERNANDINA BEACH
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- POWER: F.P.U.



LEGEND	
S.S. =	SANITARY SEWER
P.W. =	POTABLE WATER
N.G. =	NATURAL GAS
I.W. =	INDIRECT WASTE

DRAINAGE CALCULATIONS: (FOR LOTS 33-31)	
TOTAL DRAINAGE AREA:	7,500 SF
TOTAL IMPERVIOUS AREA:	5,700 SF
TOTAL LOT RUNOFF: (7,500 SF)*(0.5")*(1/12 FT/IN) =	313 C.F.
TOTAL IMPERVIOUS AREA RUNOFF: (5,700 SF)*(1.0")*(1/12 FT/IN) =	475 C.F.
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REGISTERED DESIGN PROFESSIONAL

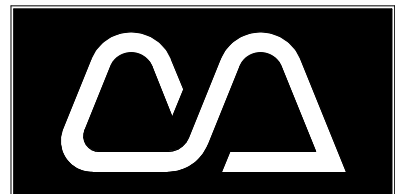
ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 96177

REV	DATE	ITEM	OWNER REVIEW
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20 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gilletteassociates.com

300/302 CENTRE STREET	
Fernandina Beach, Florida 32034	
ISSUE DATE: 5/26/21	POST DEVELOPED GEOMETRY PLAN
North / Elev Key Sheet	GE-1
Page 2 of 2	



Cotner Associates, Inc.
Architects
9 South Third Street
Fernandina Beach, Florida 32034
PH (904)277-4503 FAX (904)277-6734

Revisions

No.	Date

Progress Prints

Issued To/For	Date
HDC	5-3-21

Not Published All Rights Reserved

These drawings and specifications as instruments of service are, and shall remain, the property of the Architect whether the project for which they are made is executed or not. They are not to be used on other projects or extensions to this project except by agreement in writing with the Architect.

NOTE: DRAWING SCALE IS 1/2" OF SCALE LISTED IF PRINTED ON 11X17 MEDIA

300/302 CENTRE

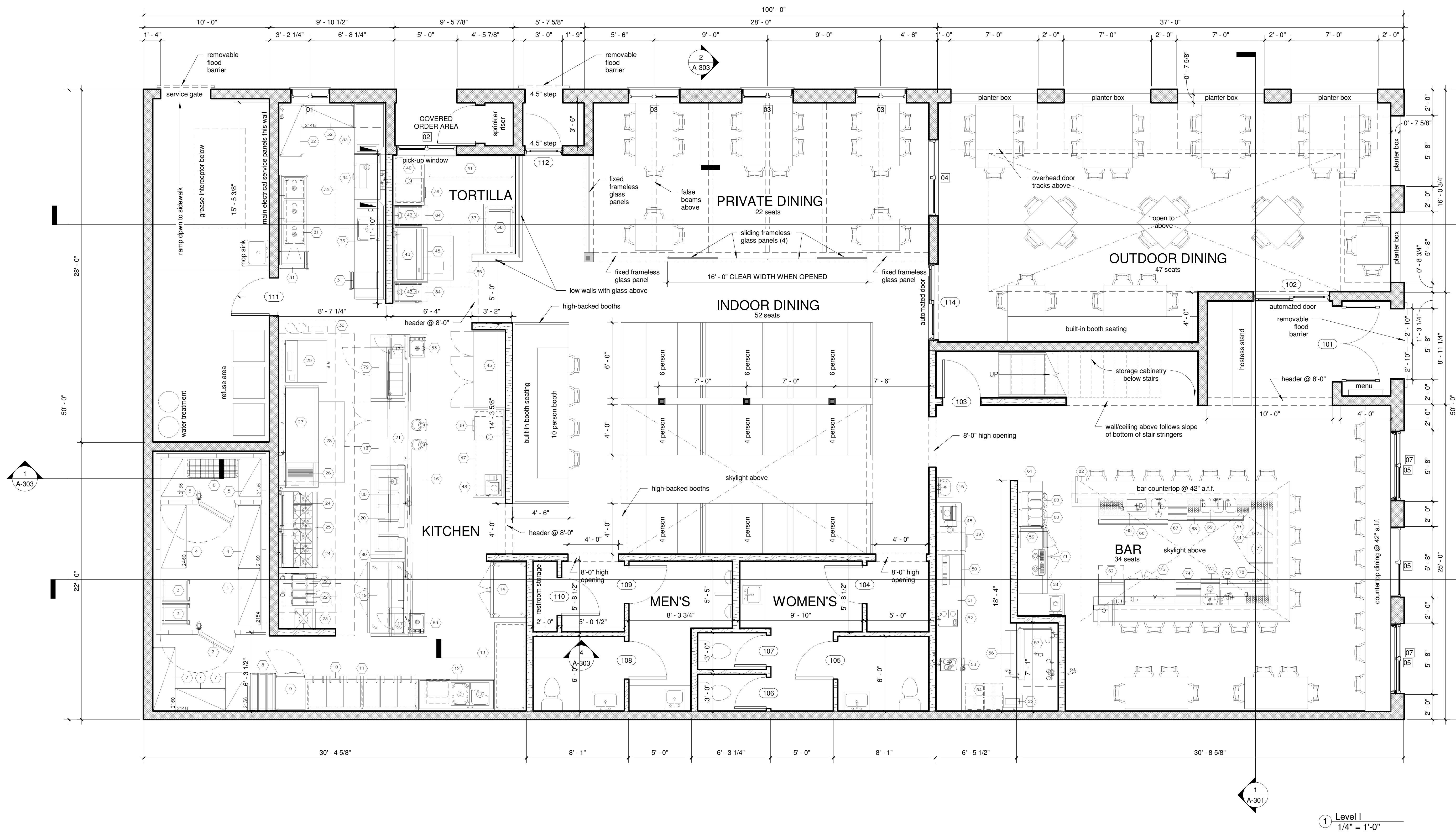
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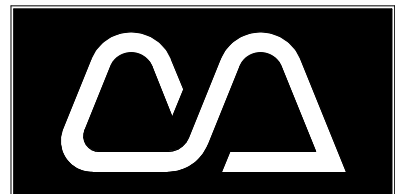
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LEVEL 1 FLOOR PLAN



Sheet Number
A-101
Page of





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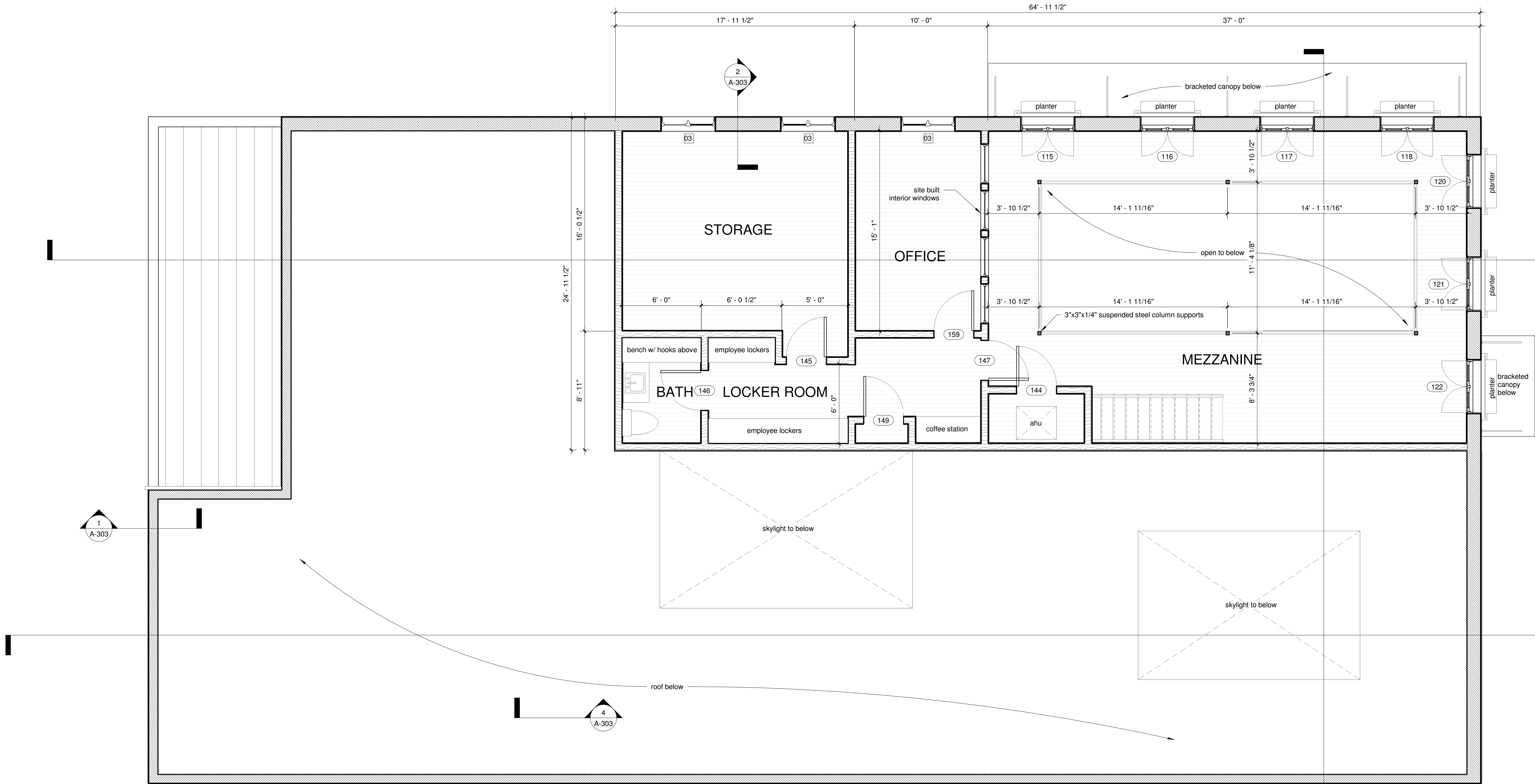
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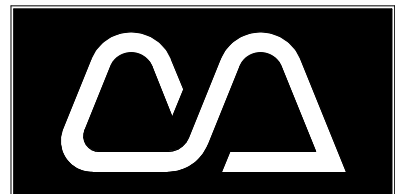
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LEVEL II FLOOR PLAN
Sheet Number
A-102
Page of





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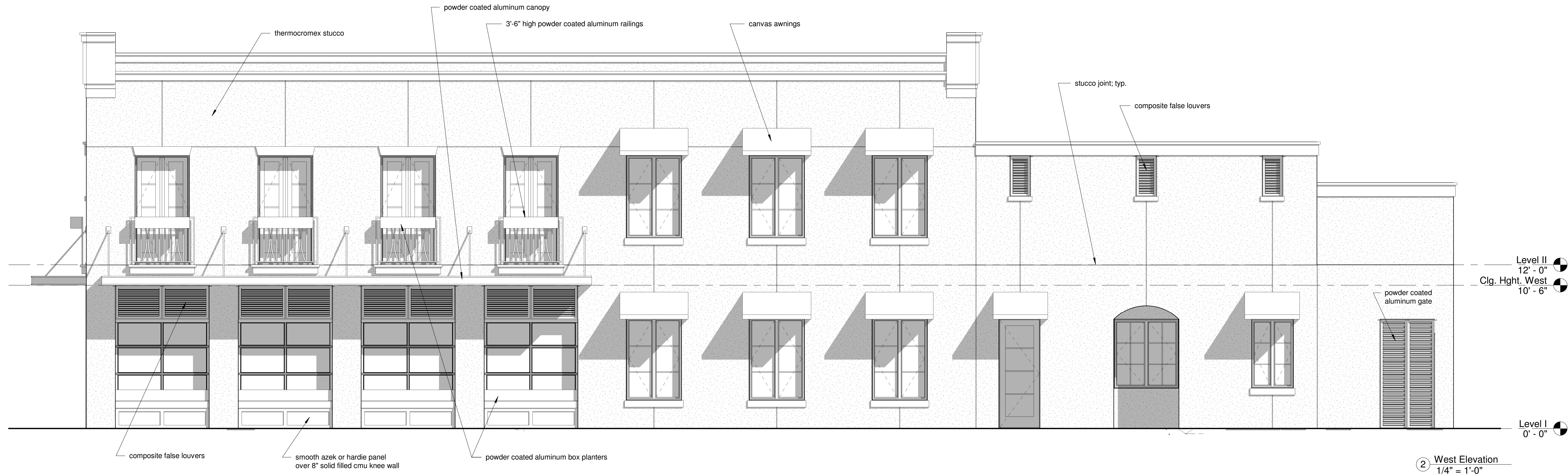
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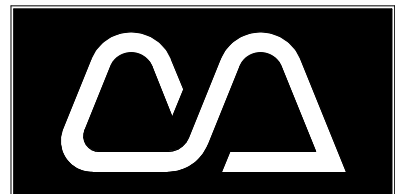
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ELEVATIONS
Sheet Number
A-201
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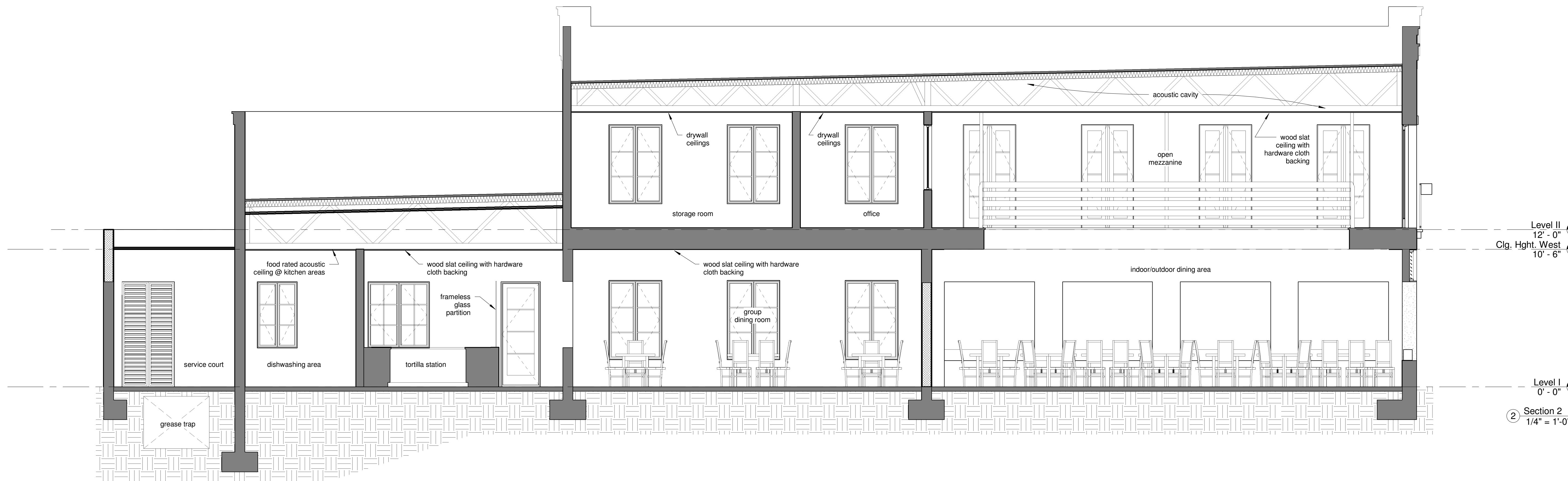
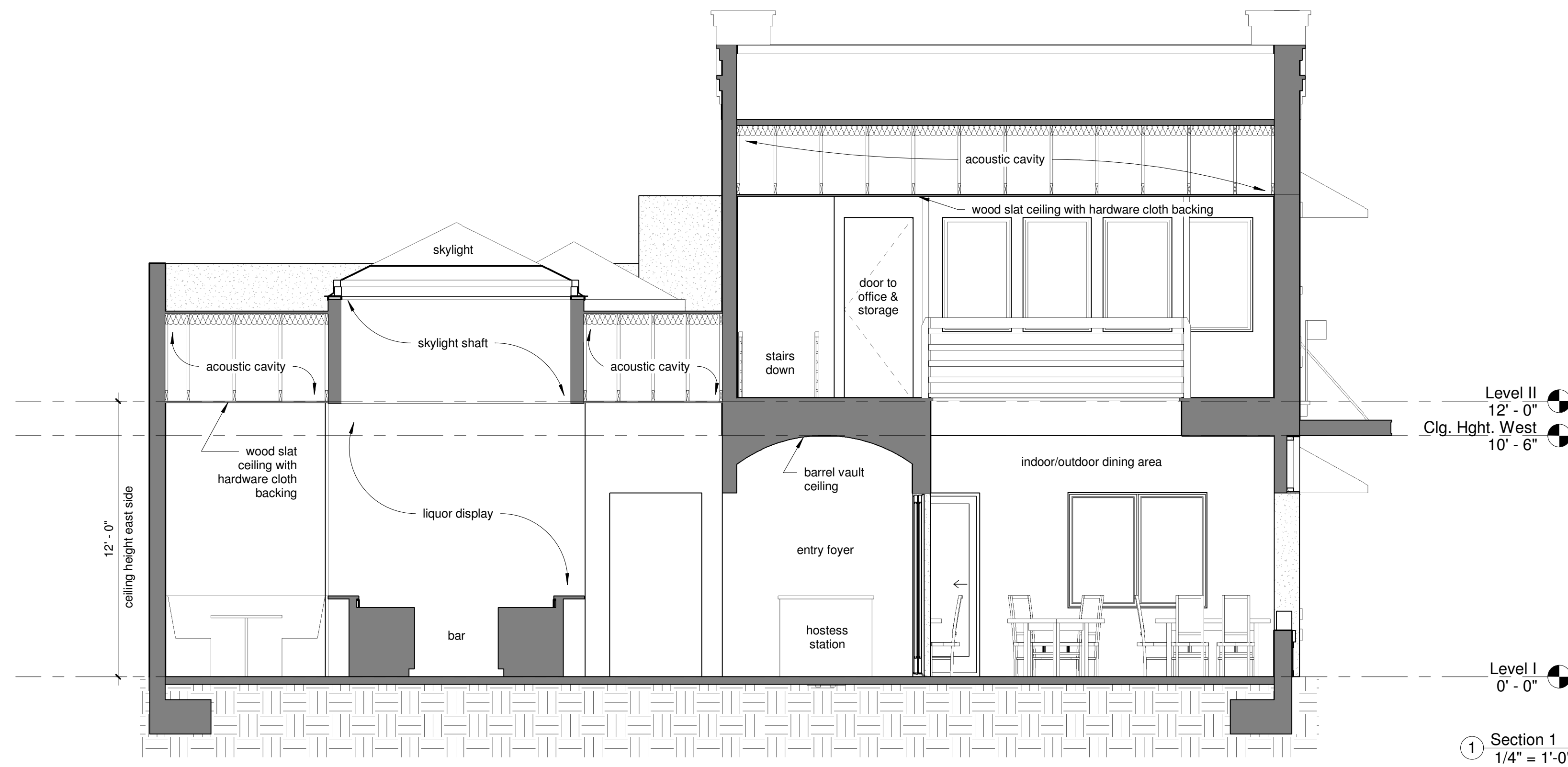
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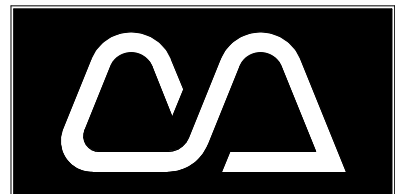
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BUILDING SECTIONS
Sheet Number
A-301
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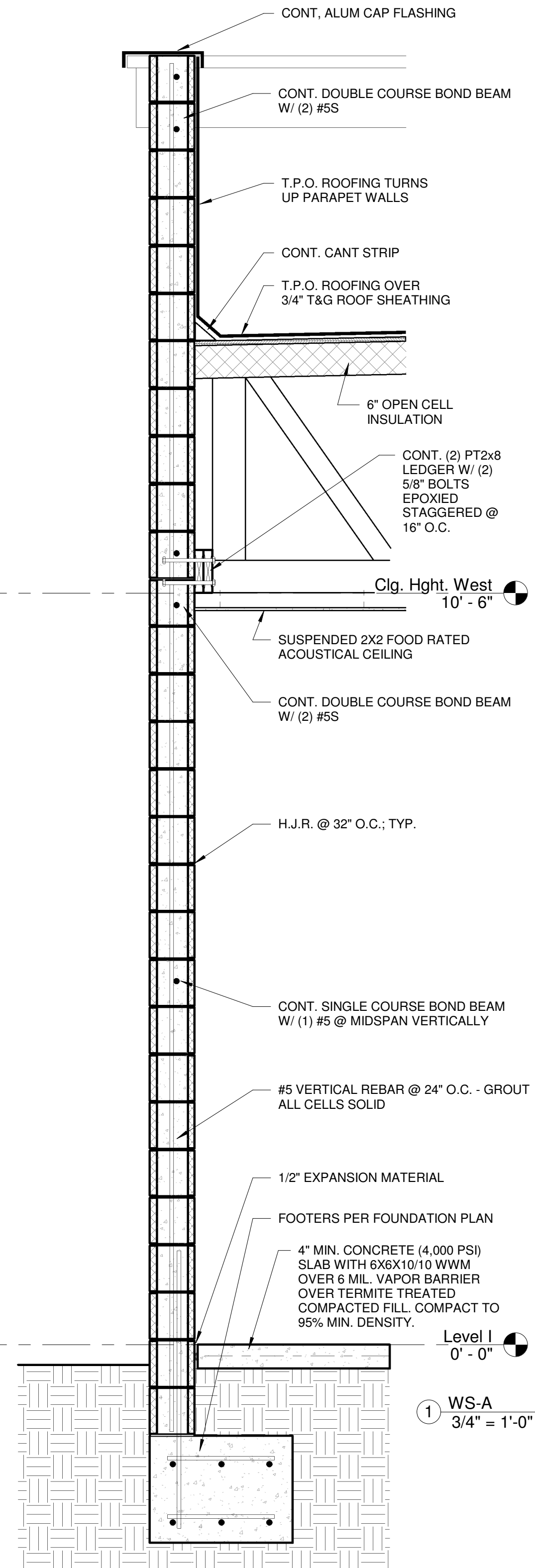
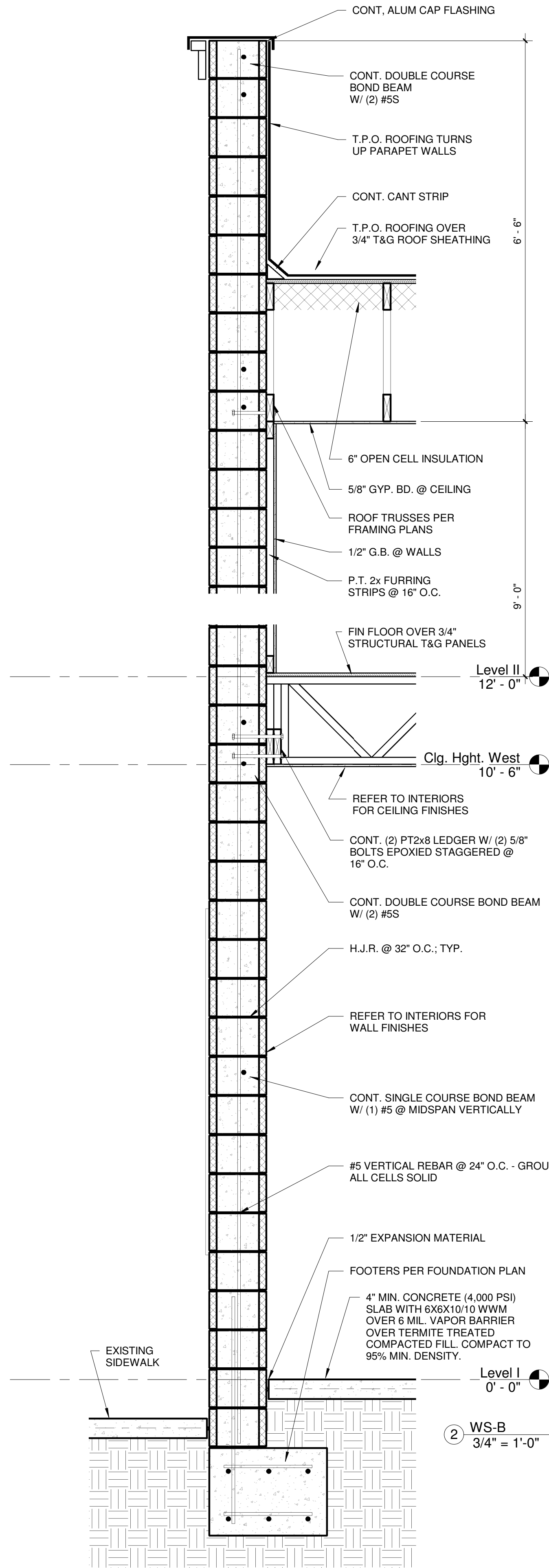
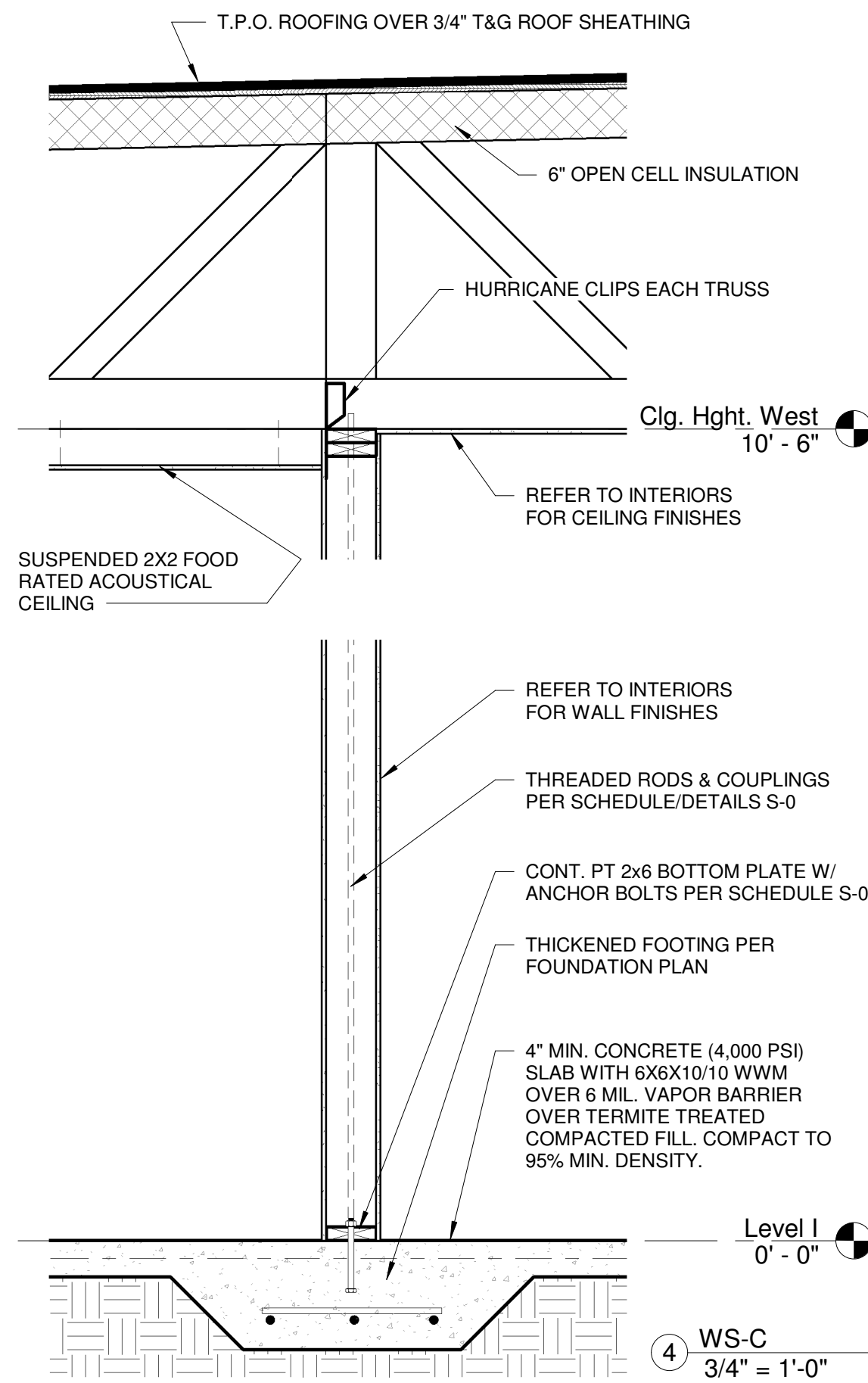
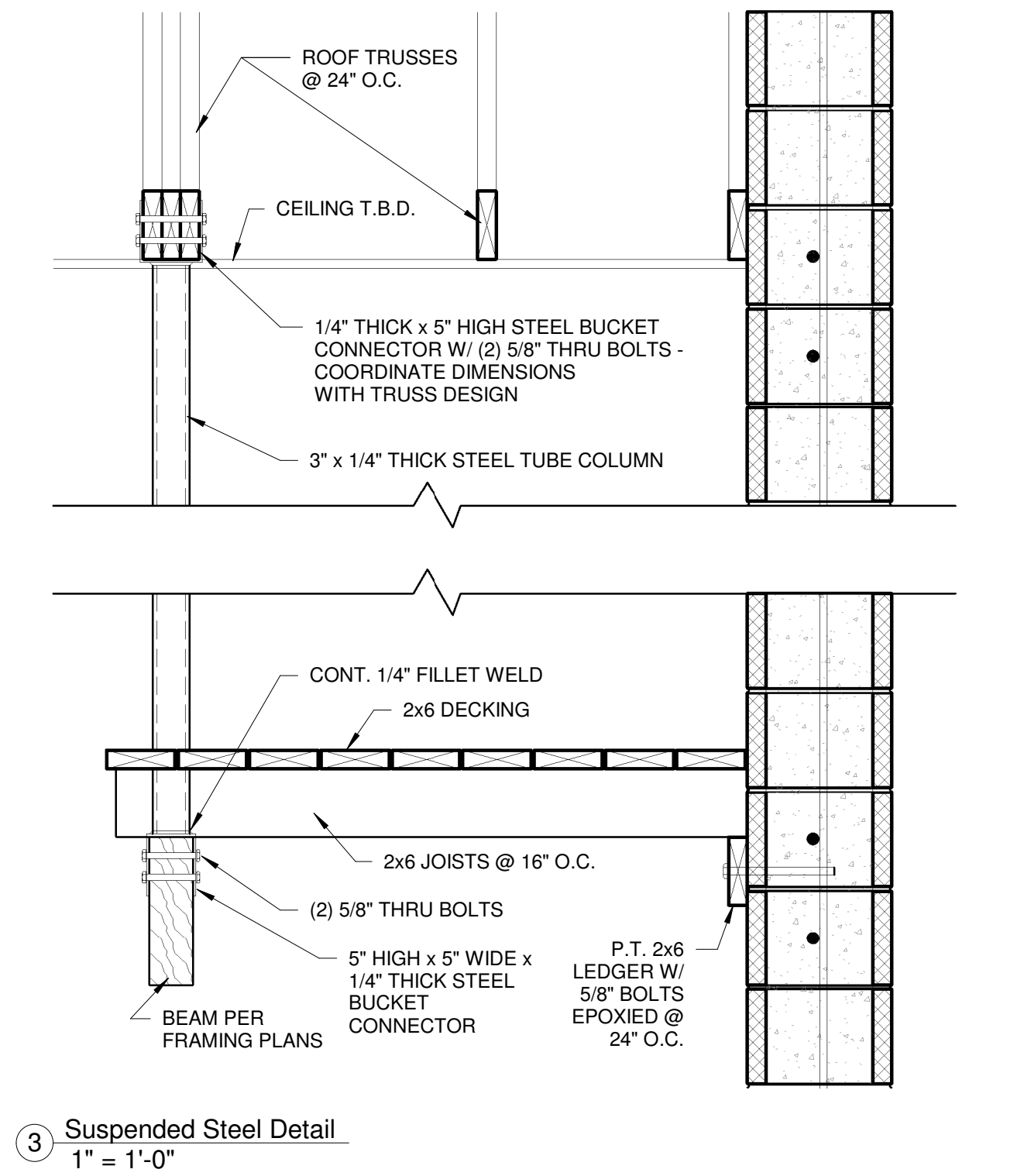
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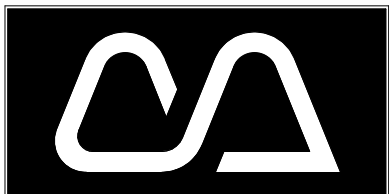
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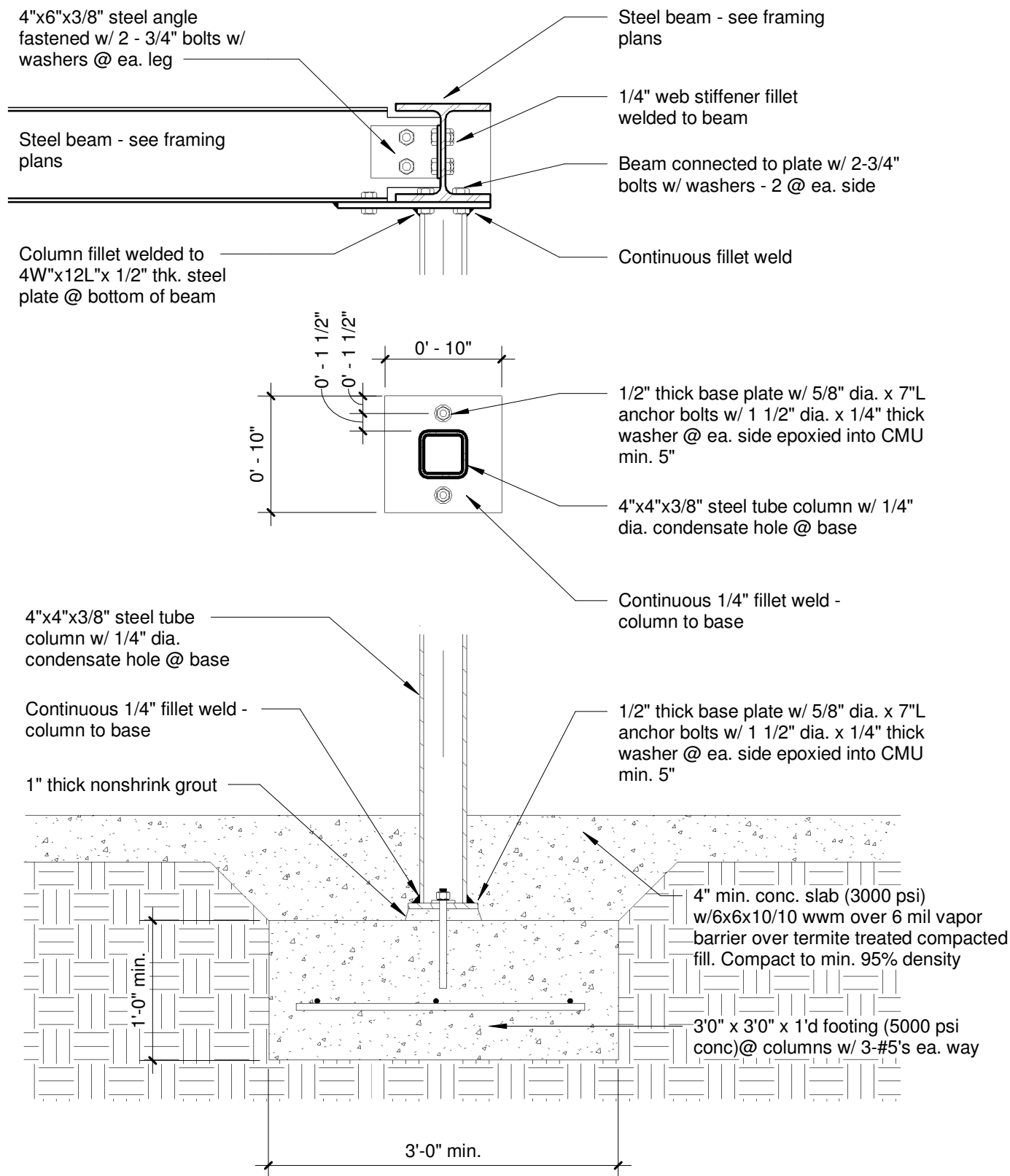
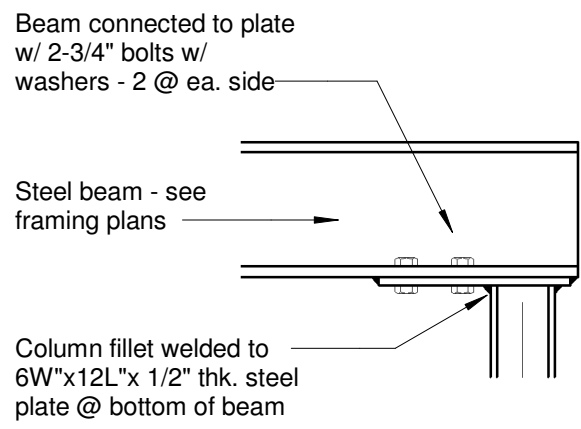
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Project: _____

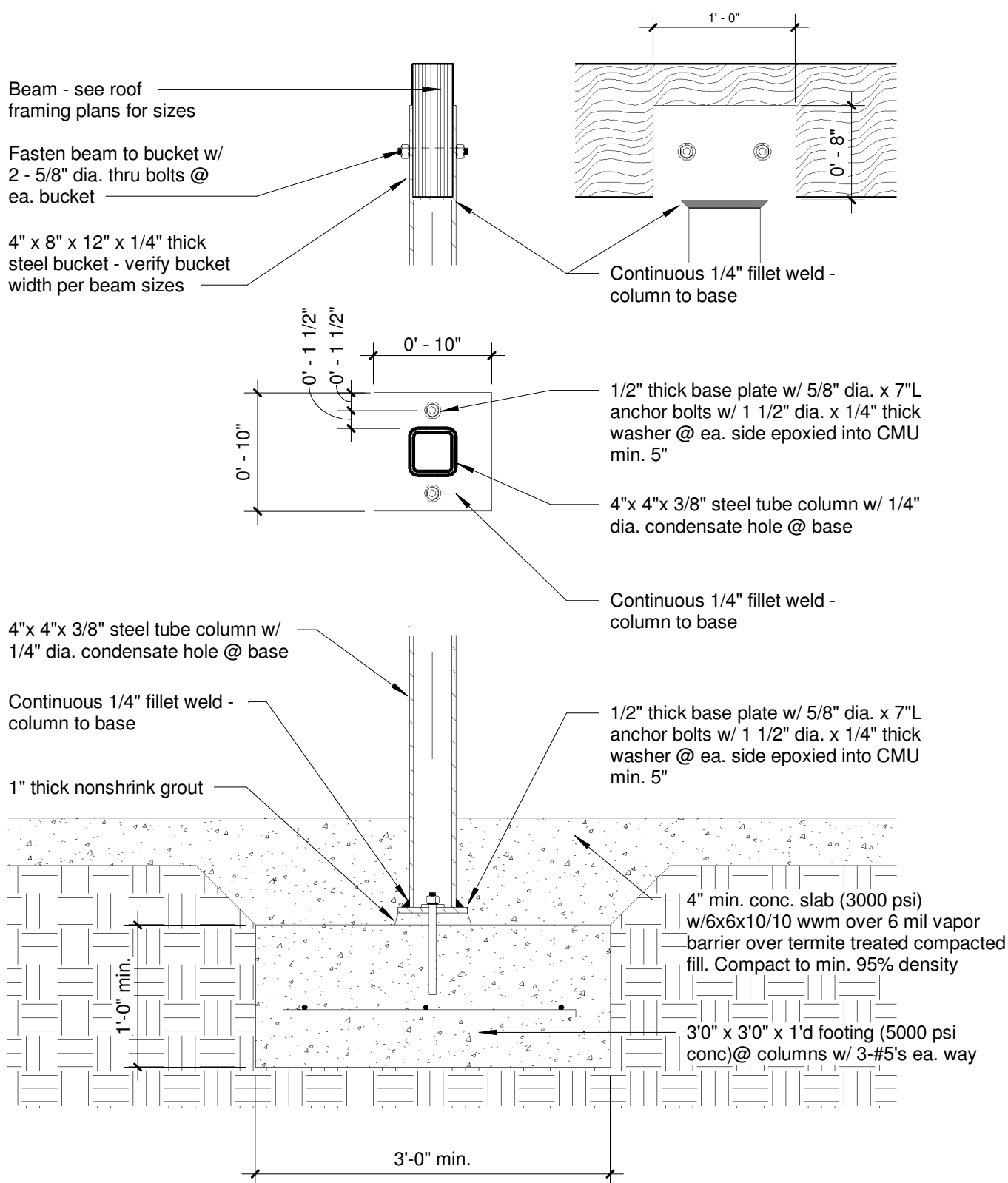
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WALL SECTIONS

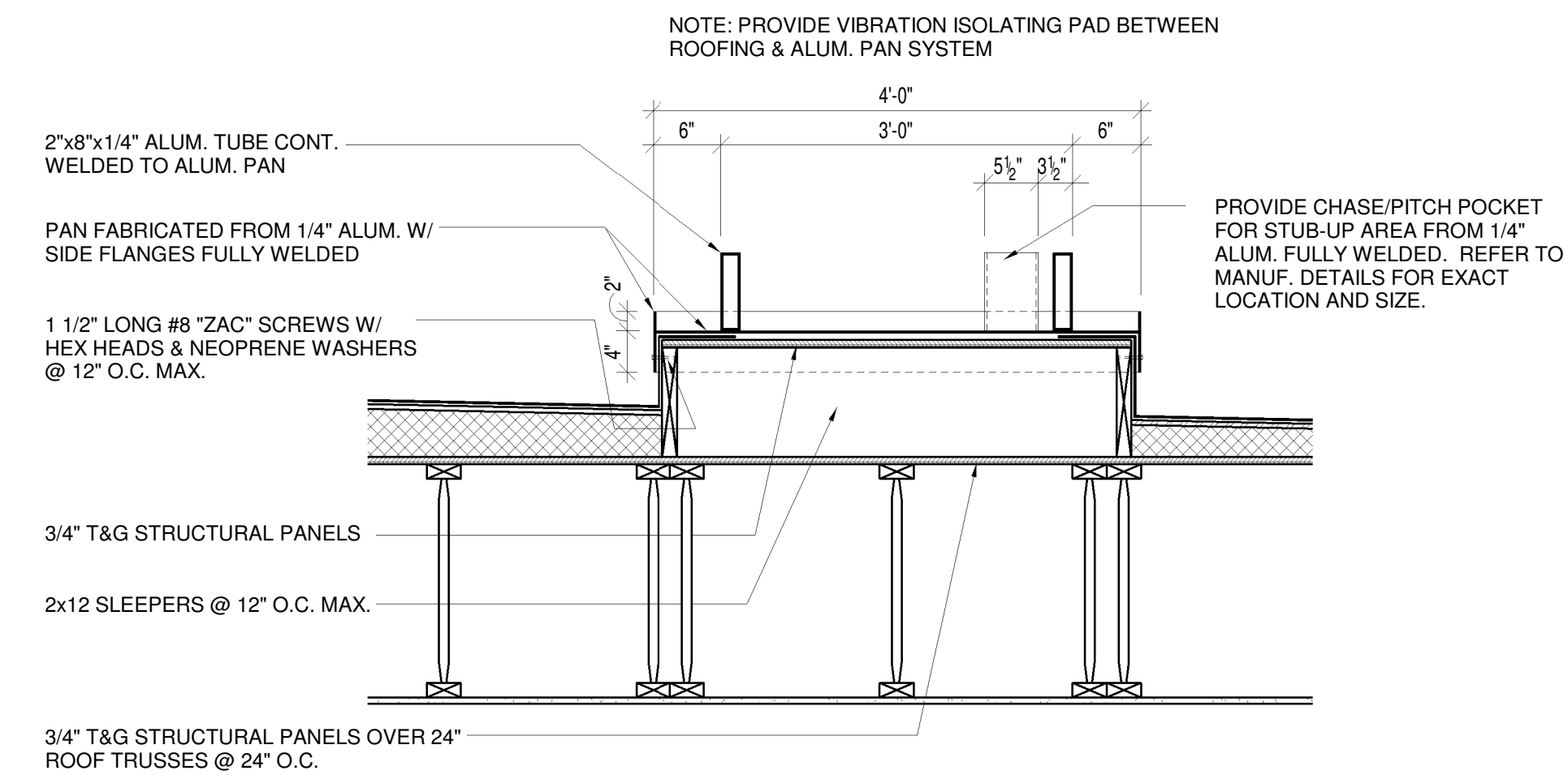
Sheet Number
A-304
Page of



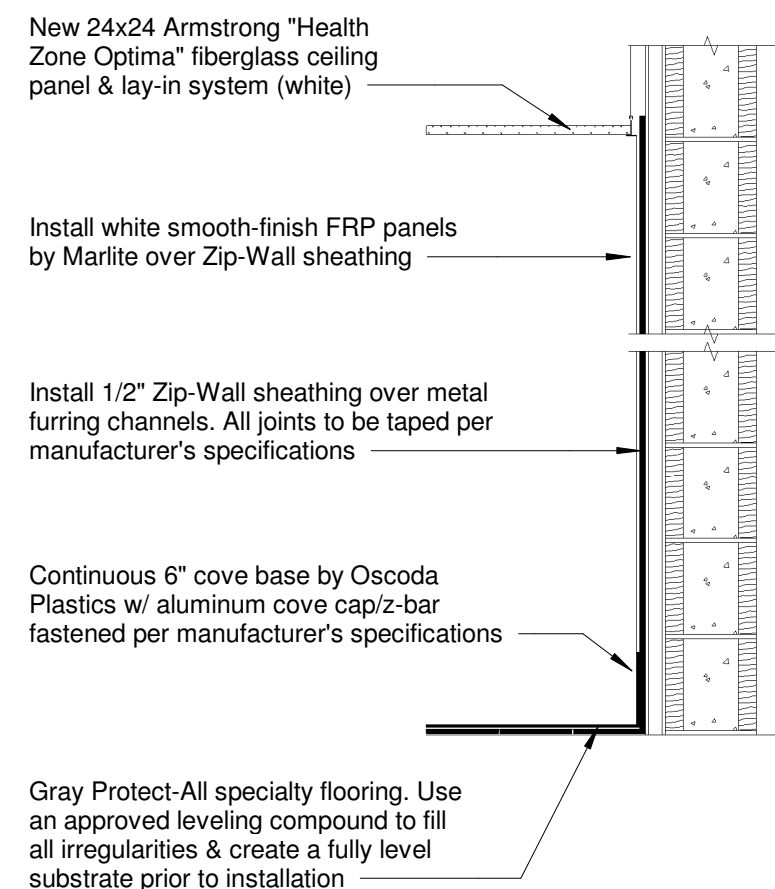
4 Steel Column / Steel Beam
1" = 1'-0"



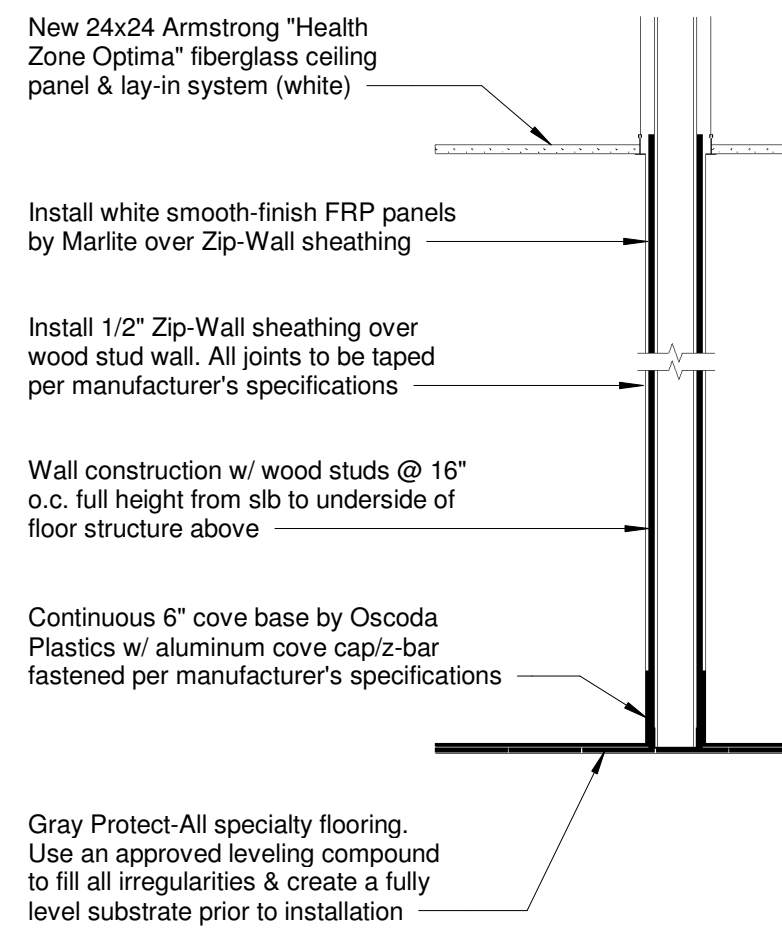
5 Steel Column / Wood Beam
1" = 1'-0"



1 Generator Curb Detail
3/4" = 1'-0"



3 Kitchen Wall - Masonry
3/4" = 1'-0"



2 Kitchen Wall - Wood
3/4" = 1'-0"

STUCCO APPLICATION

STUCCO
A-00

- STANDARDS/REFERENCES: (NOTE: THE FOLLOWING INFO IS COMPILED/EXERPTED FROM THE FOLLOWING CODES; CONTRACTOR SHALL FOLLOW REFERENCED SPECS AS LISTED BELOW):
1. ASTM C 426; 2. ASTM C 1063; 3. PORTLAND CEMENT PLASTER (STUCCO) MANUAL, EB-044, PORTLAND CEMENT ASSOC.; 4. "GUIDE SPECIFICATIONS FOR METAL LATHING AND FURRING", METAL LATH/STEEL FRAMING ASSOC.

ELASTOMERIC FACTORY-PREPARED FINISH-COAT PRODUCTS: (CONTRACTOR TO SELECT FROM ONE OF THE FOLLOWING PRODUCTS, AND USE (1) MANUFACTURER FOR ALL STUCCO PRODUCTS (NO MIXING OF DIFFERENT MANUFACTURER'S STUCCO PRODUCTS), SUBMIT TO ARCHITECT PRODUCT DATA AND APPLICATION PROCEDURE FOR WRITTEN APPROVAL PRIOR TO PROCEEDING WITH THE WORK. FOLLOW ALL MANUFACTURER'S INSTRUCTIONS FOR APPLICATION AND USE ALL SUBSTRATE PREPARATION PRODUCTS PER MANUFACTURE. REPAIR ANY CRACKS PER MANUFACTURER. PROVIDE SAMPLES FOR OWNER'S SELECTION OF COLOR(S) AND TEXTURE(S)
- TROWEL ON FINISH (DO NOT USE ROLLER/PAINT APPLIED FINISHES)

1. DRYVIT: HEATHERLATIC (D5418). TEXTURES: QUARZPUTS, SANDPEBBLE, SANDPEBBLE FINE, AND ADOBE.

2. SIO: POWERFLEX SILCO. TEXTURES: FINE (225), MEDIUM (226), SMRL (287), FREEFORM (288)

3. PAREX: E-LASTIC. TEXTURES: FLEXFINE (426), FLEXSAND (427), FLEXSMRL (428), FLEXTEX (429).

NON PLASTER THK. - (3) COAT WORK:

BASE	1ST COAT	NO COAT	3RD COAT	TOTAL
MTL LATH/FELT	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{2}$ "
UNIT MASONRY	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{8}$ "	$\frac{3}{8}$ "

PORTLAND CEMENT MIXTURE: PROPORTION SHOULD BE ADJUSTED TO SUIT USE AND CLIMATIC CONDITIONS AT PROJECT TO PRODUCE A HARD SURFACE THAT IS RESISTANT TO ABRASION AND UNAFFECTED BY DAMPNESS. FOLLOW TOLERANCES OF STANDARDS REFERENCES AS LISTED ABOVE.

- EXTERIOR TRIMS: (REFER TO ELEVATIONS FOR DESIGNATIONS)

-CAST STONE -AND/OR- HARDCOATED POLYSTYRENE OR URETHANE: WHERE DRAWN (1ST), -OR- COORDINATE LOCATIONS IN OWNER (2ND); ALL TRIMS TO BE INSTALLED PER MANUF. INSTRUCTIONS IN MANUF. ACCESSORIES

- FOR FINISHED-IN-PLACE FOAM BLOCKING (WHEN CALLED FOR IN DRAWINGS): USE DRYVIT PRODUCTS AS DETAILED BELOW, OR OTHER ARCHITECT APPROVED EQUAL. APPLY TO STUCCO FACE PRIOR TO FINISH COAT AND FINISH STUCCO AND FOAM BLOCKING AT SAME TIME (STEP 15). FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR PROPER INSTALLATION

1. WRAP (BACKWRAP) DRYVIT REINFORCING MESH (43 HEIGHT) AROUND TRIM
2. ADHERE POLYSTYRENE FOAM BLOCKING TO SUBSTRATE IN DRYVIT ADEPS, OR MECHANICALLY ATTACH.
3. SEAL JOINTS IN MANUF. APPROVED SEALANT.
4. APPLY CEMENTITIOUS BASE COAT OF DRYVIT GENESIS OR PRIMUS.
5. APPLY DRYVIT ACRYLIC FINISH COAT, TEXTURE(S) AND COLOR(S) T.B.S. BY ARCHITECT/OWNER.

- STUCCO SEQUENCE OVER LATH & FELT:

1. INSTALL SELF FURRED DIAMOND MESH LATH IN PAPER BACKING (GRADE D, 60 MIN, FED. SPEC. U-B-710-A) OVER FELT TO SHEATHING (SEE MAT. AND FIN. FOR SHEATHING SPEC). FOLLOW ASTM C1063 FOR SUPPORT SPACING, FASTENER SELECTION, AND FURTHER INFO REGARDING PROPER INSTALLATION OF METAL LATH.

A. LATH LAP: $\frac{1}{2}$ " MIN. @ SIDES & 1" MIN. @ TOP & BOTTOM.

B. LATH SHOULD NOT BE CONTIN. @ CONTROL JOINTS BUT SHOULD BE STOPPED AND TIED @ EA. SIDE.

C. THE VERT AND HORIZ. JOINTS SHALL BE BACKING ON BACKING AND METAL ON METAL, LAPPED IN DOWNWARD DIRECTION.

2. SCRATCH COAT. THE SCRATCH COAT MUST BE SCORED HORIZONTALLY.

3. BROWN COAT. THE BROWN COAT SHALL BE APPLIED AS SOON AS POSSIBLE AFTER THE SCRATCH COAT AS LONG AS SUFFICIENT TIME HAS BEEN ALLOWED BETWEEN COATS TO DRY AND DEVELOP RIGIDITY TO RESIST DAMAGE WHEN THE NEXT COAT IS APPLIED.

4. FINISH COAT. USE ELASTOMERIC FACTORY-PREPARED ELASTOMERIC FINISH-COAT PRODUCT AS SPECIFIED ABOVE. A MIST CURE SHALL BE MAINTAINED AS NEEDED FOR CLIMATIC CONDITIONS, AT DISCRETION OF INSTALLER.

CONTROL JOINTS @ STUCCO OVER LATH & FELT: WHERE DRAWN (1ST), OR AS SPEC'D BELOW (2ND):

MAX. AREA OF PANEL: A. 144 SF. ON VERT SURFACES; B. 100 SF. ON HORIZONTAL SURFACES

MAX. DIST. BETW. CONTROL JOINTS: 18'

MAX. LENGTH TO WIDTH RATIO: 2-1/2 TO 1

STUCCO OVER CMU BLOCK WALLS & CONCRETE WALLS:

(B) COAT CEMENTITIOUS STUCCO IN ELASTOMERIC FINISH COAT IN INTEGRAL COLOR OVER CMU BLOCK. STRUCK FLUSH CMU JOINTS TOP @ RAINWALL TO RECEIVE STUCCO. STUCCO SEQUENCE:

1. CLEAN & SMOOTHEN SUBSTRATE TO ENSURE CHEMICAL & MECHANICAL BOND.

2A. BONDING AGENT: APPLY BONDING AGENT PER ASTM C-493 DIRECTLY TO CONCRETE SURFACE AS RECOMMENDED BY MANUF.; -OR-

2B. INSTALL SELF-FURRED DIAMOND-MESH LATH IN PAPER-BACKING (GRADE D, 60 MIN, FED. SPEC. U-B-710-A) OVER FELT TO SHEATHING (SEE MAT. AND FIN. FOR SHEATHING SPEC). FOLLOW ASTM C1063 FOR SUPPORT SPACING, FASTENER SELECTION, AND FURTHER INFO REGARDING PROPER INSTALLATION OF METAL LATH.

A. LATH LAP: $\frac{1}{2}$ " MIN. @ SIDES & 1" MIN. @ TOP & BOTTOM.

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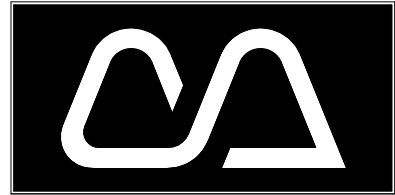
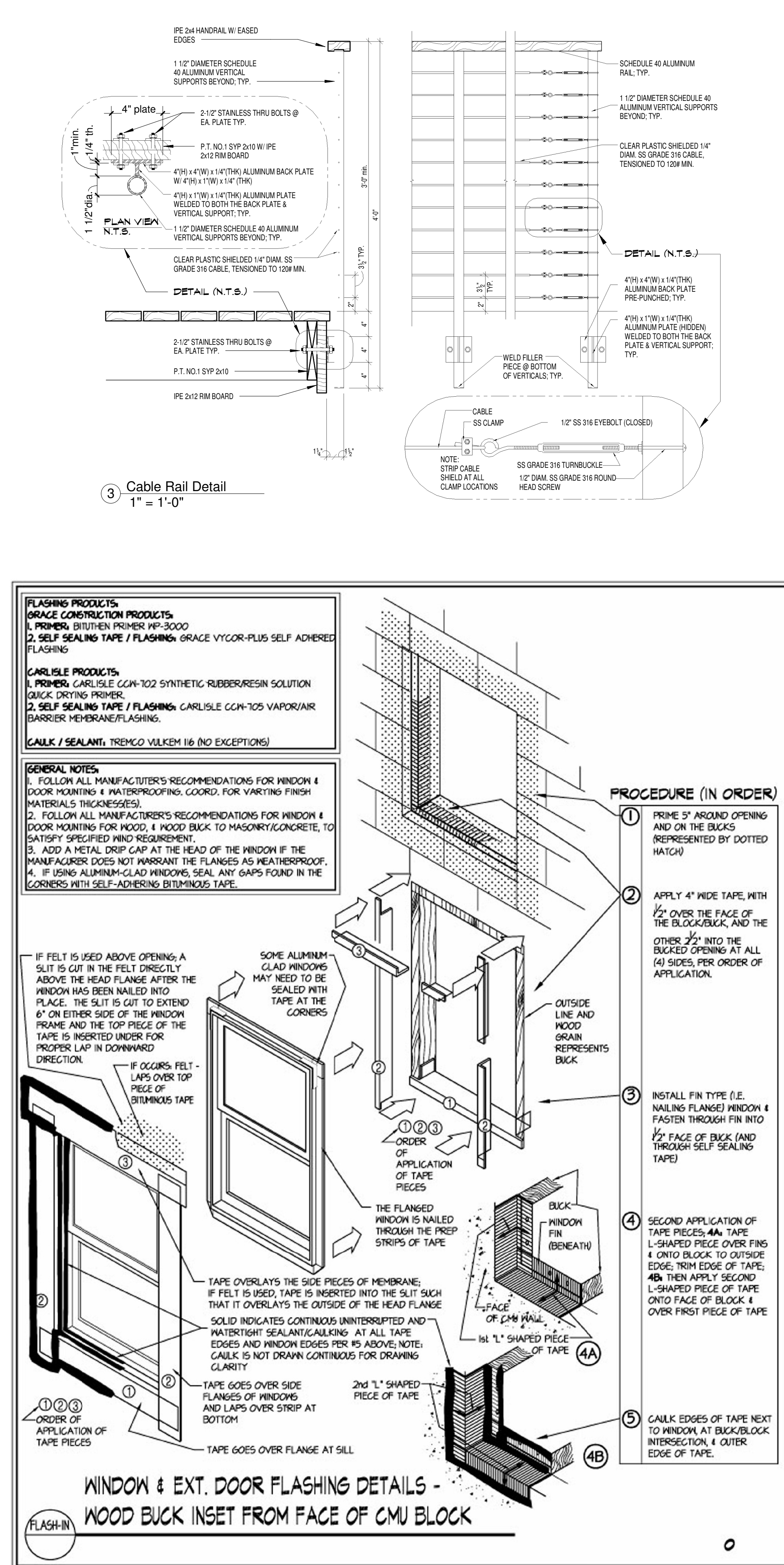
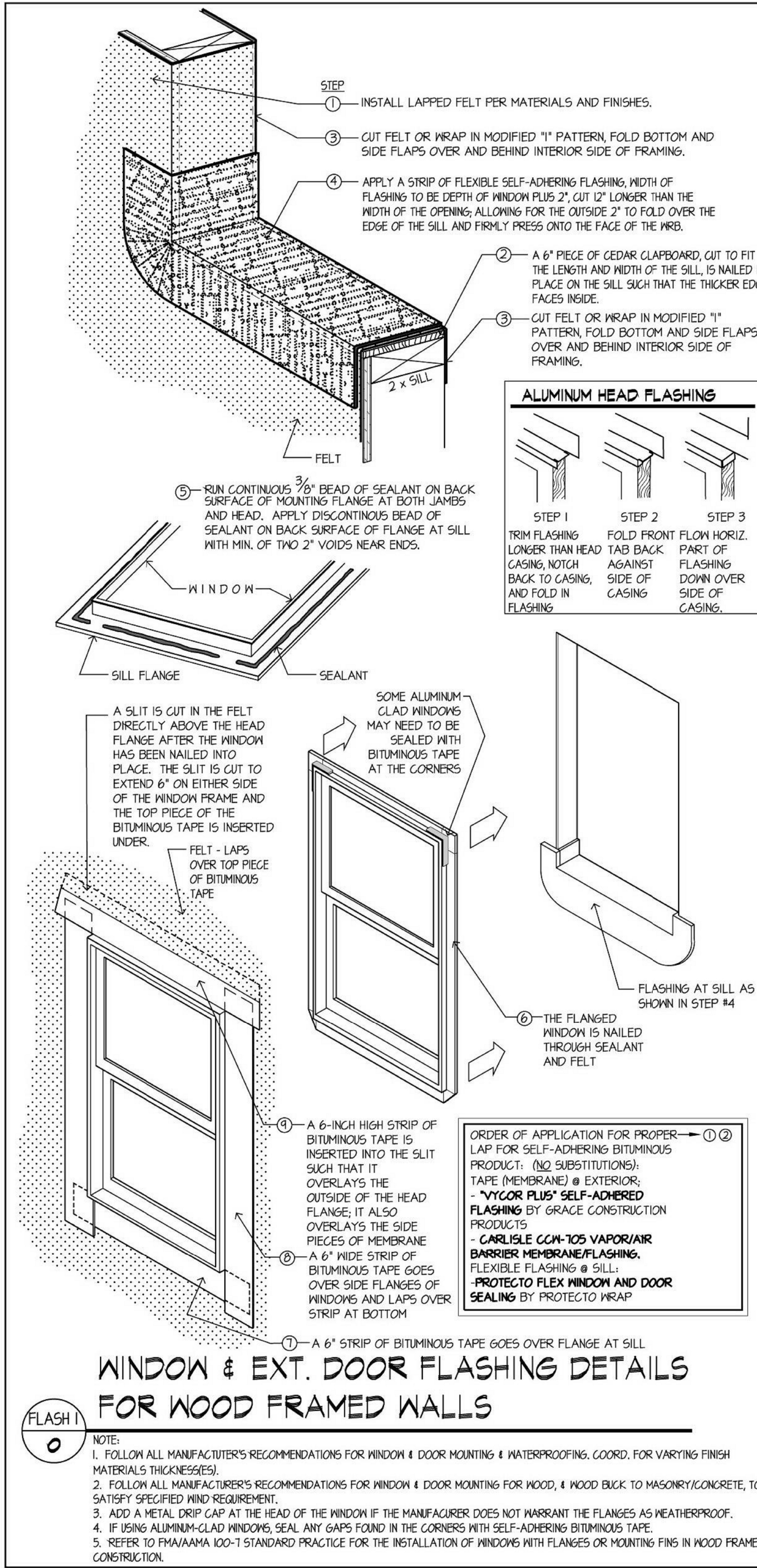
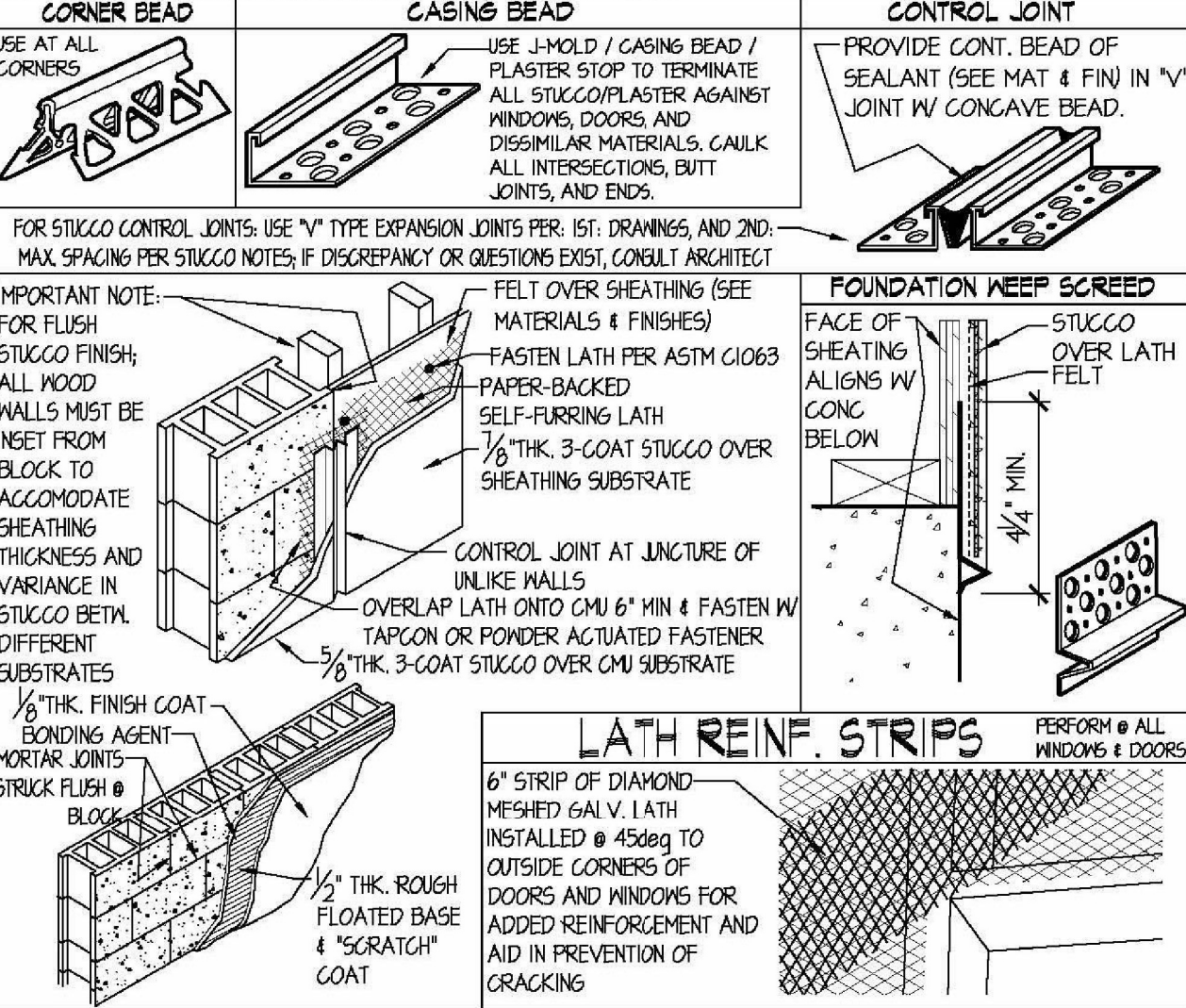
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5. FINISH COAT. USE ELASTOMERIC FACTORY-PREPARED ELASTOMERIC FINISH-COAT PRODUCT AS SPECIFIED ABOVE. A MIST CURE SHALL BE MAINTAINED AS NEEDED FOR CLIMATIC CONDITIONS, AT DISCRETION OF INSTALLER.

6. CONTROL JOINTS: STUCCO DIRECTLY OVER CMU NEED ONLY BE JOINTED AT THE CONTROL JOINTS IN THE BASE CMU WALL, WND, AND WHERE DRAWN ON BUILDING ELEVATIONS. USE PVC/VINYL CORNER BEADS, CONTROL JOINTS, ETC.

STUCCO JOINTS DETAILS

1. GROUND OF ACCESSORIES SHALL BE $\frac{3}{8}$ " DEEP FOR STUCCO OVER CMU, $\frac{1}{8}$ " DEEP FOR STUCCO OVER WOOD SHEATHING, NO EXCEPTIONS.
2. USE VINYL / PVC FOR ALL ACCESSORIES. DO NOT USE METAL ACCESSORIES.
3. USE ACCESSORIES ON ALL STUCCO WORK ON THIS PROJECT.



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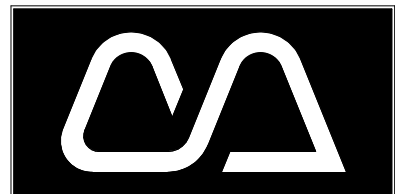
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WALL SECTIONS & DETAILS

Sheet Number
A-305
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NASSAU COUNTY, FLORIDA

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**Technical Review Committee (TRC): Pre-Application Meeting Request -
Submission #7533**

Date Submitted: 6/15/2021

Technical Review Committee (TRC) Pre-Application Meeting Request

USE THIS FORM TO Submit a project for input and guidance from the Technical Review Committee, the City group responsible for reviewing site plans and commercial projects. TRC pre-application meetings are a free service provided by the City of Fernandina Beach to help guide a project through the development review and permitting process. The TRC pre-application meeting is a meeting between an applicant and representatives of City departments responsible for reviewing applications for the purpose of exchanging information on the potential development of a site. This may include providing information on permissible uses of the site; required improvements; infrastructure requirements; any applicable design standards; any potential regional, state or federal standards; requirements for supporting plans, documents and studies; and any applicable design standards.

Fees

None

IMPORTANT NOTES

A change of use occurs when an existing use is replaced by a different use, as listed in table 2.03.02. A proposed change of use shall be subject to the pre-application conferences as set forth in 11.01.02. A change of use shall not require a local development order when all the conditions of 11.00.05 are met. The determination that a proposed use or development constitutes a change of use is an administrative decision subject to appeal. When a local development order is required due to a proposed change of use, all standards and procedures of the Comprehensive Plan and LDC shall apply to the proposed new use.

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



Local Development Orders for a Change of Use – see LDC Section 11.00.05



Pre-Application Conference – see LDC section 11.01.02

The LDC is available for review at

www.fbfl.us/LDC

Application Requirements

All applications and related documents for a Pre-Application Meeting must be submitted by 12:00 p.m. five (5) business days before the scheduled meeting. Required documents are as follow:



A complete application.



Site plans or scaled drawings; and



Any other files that illustrate the proposed project.

PROPERTY INFORMATION

[Property information can be found at the Nassau County Property Appraiser's Website's Map Search](#)

Site Address*

1005 South 14th Street

City*

Fernandina Beach

State*

FL

Zip*

32034

Parcel ID #(s)*

00-00-311-1800-0238-0100; 00-00-31-1800-0238-0010

Lot

Block

Subdivision

Zoning District*

MU-1

Future Land Use Designation*

Mixed Use

Overlay District

None

Size of Property (acres)*

2.74

Present Property Use*

church

Wetlands*

No

Flood Zone*

X, area of minimal flood

Coastal Construction Control Line (CCCL)*

No

CONTACT INFORMATION

Applicant or interested party who will be present at the meeting.

First Name*

Asa

Last Name*

Gillette

Company (if applicable)

Gillette&Associates,Inc.

Telephone Number*

904-261-8819

E-mail Address*

asa@gilletteassociates.com

PROJECT INFORMATION

Project Name

Fernandina Beach Church of Christ

Project Type*

Commercial

Project Description*

New multi-purpose church building

Describe your project in detail

Proposed Access Road*

Jasmine Street

Rd Maintenance Jurisdiction *

City Maintained

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.

Applicant First Name*

Tricia

Applicant Last Name*

Bowen

Today's Date*

6/15/2021

Upload Supporting Documentation*

P1 FBCOC Master Plan Final 082019 REV 1 Color.pdf

Upload 2

GIS.pdf

Upload 3

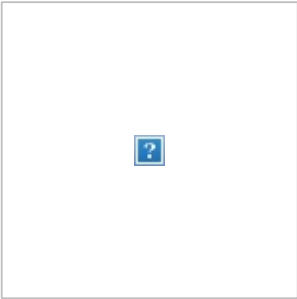
GIS.pdf

Upload 4

Choose File No file selecte

Upload 5

Choose File No file selecte



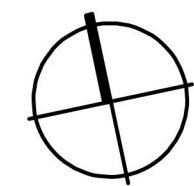
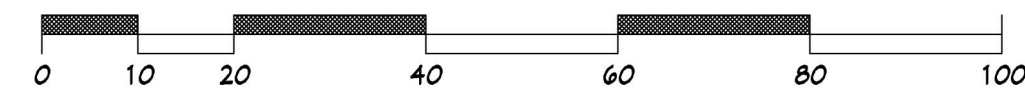
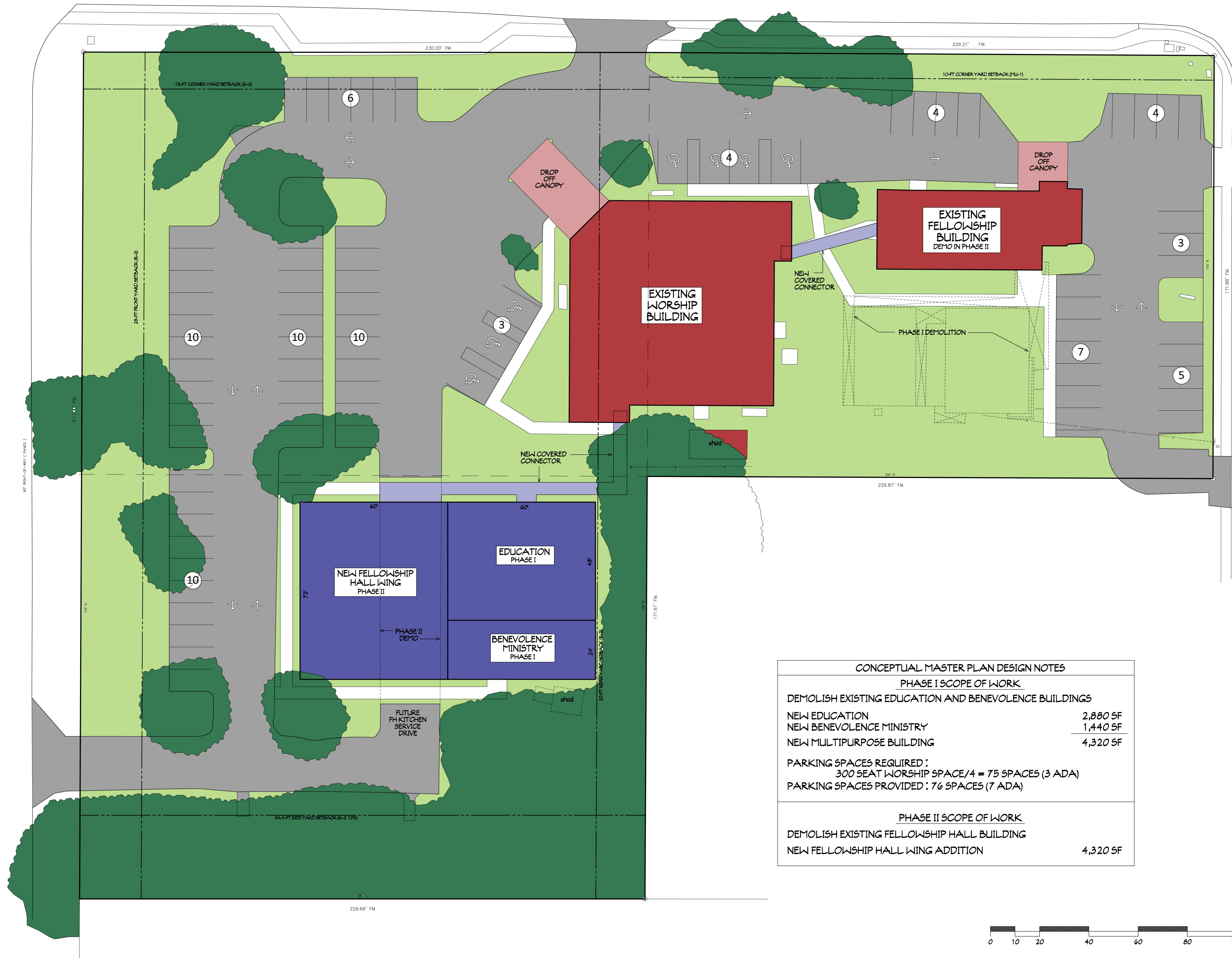
DEPARTMENT OF PLANNING & CONSERVATION

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

SOUTH THIRTEENTH STREET

JASMINE STREET

SOUTH FOURTEENTH STREET

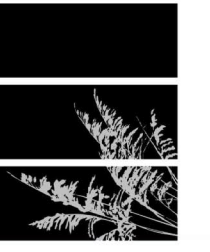


CONCEPTUAL MASTER SITE PLAN

1" = 20'

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PROJECT # F190521
DRAWN BY -- JLM
CHKD BY -- JLM
DATE -- 08-20-19



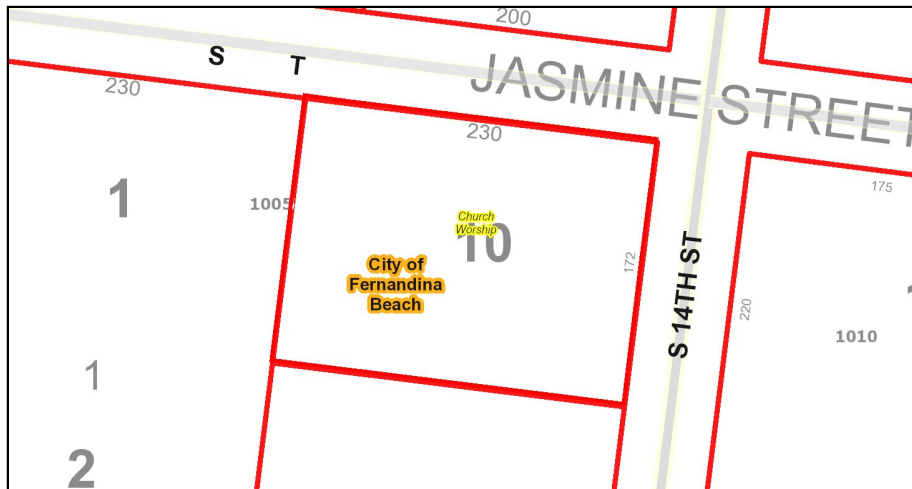
MIRANDA ARCHITECTS
308 1/2 CENTRE STREET, SUITE 208
FERNANDINA BEACH, FL 32034
904.261.4586 TEL
FL REG. # 14887

PROPOSED MASTER SITE PLAN FOR
FERNANDINA BEACH CHURCH OF CHRIST
1005 SOUTH 14TH STREET
FERNANDINA BEACH, FL 32304

MASTER SITE PLAN	
REVISIONS	DATE
1 PHASING REVISIONS	8/20/19



A. Michael Hickox
Nassau County Property Appraiser



Parcel Report	Results
Parcel ID	00-00-31-1800-0238-0100
Owner Information	FERNANDINA BEACH CHURCH OF CHRIST INC P O BOX 16074
Mailing Address	FERNANDINA BEACH, FL 32035
Site Address	1005 S 14TH ST (Church Worship) FERNANDINA BEACH 32034
Previous Site Address (if Changed by 911)	1005 S 14TH ST
Deed Acre	0.00
Approximate Acres (GIS Calculated)	0.91
Property Use Code	007100
Municipality	City of Fernandina Beach
Census Tract	
MLS Zone	4 - Island
Subdivision	CITY OF FERNANDINA BEACH S/D

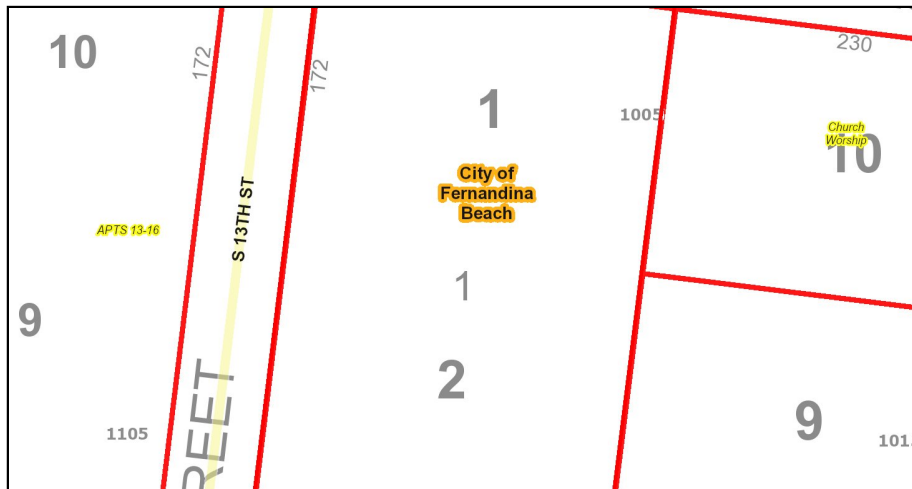
The Nassau County interactive map displays GIS data that is subject to continual updating, change and the data accuracy representations adjustments over time. The information contained within this document is not intended to be used for the preparation of construction documents and under no circumstance shall this product or representations from this product be used for final design purposes.

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A. Michael Hickox
Nassau County Property Appraiser



Parcel Report	Results
Parcel ID	00-00-31-1800-0238-0010
Owner Information	FERNANDINA BEACH CHURCH OF CHRIST INC P O BOX 16074
Mailing Address	 FERNANDINA BEACH, FL 32035
Site Address	1005 S 14TH ST FERNANDINA BEACH 32034
Previous Site Address (If Changed by 911)	1005 S 14TH ST
Deed Acre	1.82
Approximate Acres (GIS Calculated)	1.83
Property Use Code	007100
Municipality	City of Fernandina Beach
Census Tract	
MLS Zone	4 - Island
Subdivision	CITY OF FERNANDINA BEACH S/D

The Nassau County interactive map displays GIS data that is subject to continual updating, change and the data accuracy representations adjustments over time. The information contained within this document is not intended to be used for the preparation of construction documents and under no circumstance shall this product or representations from this product be used for final design purposes.

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Technical Review Committee: Application - Submission #7386

Date Submitted: 5/21/2021

Technical Review Committee: Application

USE THIS FORM TO To apply for review of site plans, preliminary subdivision plats, final subdivision plats, minor subdivisions, and amendments to previously issued local development orders, change of use, and nonresidential building expansions.

Fees

- ☒ Initial submittal + two submittals of full site plans. \$400 + 2% of the project construction cost (whichever is greater) for up to a maximum of \$5,500.
- ☐ 3rd and subsequent resubmittals. \$400
- ☐ Change of Use Determination Letter \$50
- ☐ Engineering Review (Consultant Hourly Rate) \$125

TRC_2021 Meeting Calendar



December 2020 meeting dates are: December 10, 2020 & December 17, 2020

IMPORTANT NOTES

This application will be routed to the various departments for review of the applicable codes and design standards.

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



Requirements for All Site Plans â€” see LDC section 11.01.04



Requirements for Subdivision Plats â€” see LDC section 11.01.05



Determination for Completeness & sufficiency â€” see LDC section 11.03.01



Review and Compliance Report by the Technical Review Committee â€” see LDC Section 11.03.02



Construction and Improvements â€” see LDC section 11.05.00



Amendments to Local Development Orders â€” see LDC section 11.06.00

The LDC is available for review at

www.fbfl.us/LDC

Application Requirements



See Development Plan Submittal Checklist



All applications are subject to a determination of completeness as required by Land Development Code section 11.03.01.



A determination of completeness is a determination that all required documents and plans have been submitted, and whether all fees have been paid.



A determination of completeness is not a determination of compliance with substantive standards and criteria.

Key Contacts

TRC will guide your application from start to finish, engaging other City departments as needed.



PROPERTY INFORMATION

[Property information can be found at the Nassau County Property Appraiser's Website's Map Search](#)

Site Address*

South Front Street - Marina Parking Lots C & D

City*

Fernandina Beach

State*

Florida

Zip*

32034

Parcel ID #(s)

00-00-31-1760-0029-0010 / 00-00-31-1760-0031-0020

Lot

NA

Block

NA

Subdivision

NA

Zoning District

IW

Future Land Use Designation*

Industrial Waterfront

Overlay District*

Downtown Historic District

Size of Property (acres)*

2.56 / 3.65

Present Property Use*

Open Waterfront Park

Wetlands*

Yes

Flood Zone*

AE

Coastal Construction Control Line (CCCL)*

Yes

OWNER OF RECORD

As recorded with the Nassau County Property Appraiser

First Name*

City of Fernandina Beach

Last Name*

NA

Company (if applicable)

Mailing Address*

204 Ash Street

City*

Fernandina Beach

State*

Florida

Zip*

32034

Telephone Number*

9042777300

Email Address*

info@fbfl.org

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

First Name

Christopher

Last Name

Nardone

Company (if applicable)

Passero Associates

Mailing Address

4730 Casa Cola Way, Suite 200

City

St. Augustine

State

Florida

Zip

32095

Telephone Number

9046244211

Email Address

cnardone@passero.com

PROJECT INFORMATION

Project Type*

Site Plan Review

Project Name

Amelia River Waterfront Stabilization Parking Lots C & D

Proposed Access Road*

South Front Street

Rd Maintenance Jurisdiction*

City Maintained

Project Estimated Cost*

3,500,000.00

Description of Request*

Phase One for the City of Fernandina Beach Amelia River Waterfront Stabilization Project is to protect Historic Downtown Fernandina Beach from Blue Sky Tide Flooding, Sea-level Rise, and Storm Surges. Phase One consists of constructing the concrete (coquina mix) I-Wall protection with top of wall at +9.0' NAVD 88 starting at approximately 102' from centerline of nearest railroad tracks in the southeast corner of the park then heading west to the southwest corner of the park then heading north following the waterfront until stopping at Atlantic Seafood. Following the whole length of the I-wall on the wetlands and waterfront side will be an on-grade concrete (coquina mix) boardwalk. Within the I-wall will be recessed light fixtures with turtle friendly Amber LED lights illuminating the boardwalk surface. Starting along the southern boundary of the site, the boardwalk follows the wetlands, and the boardwalk edge will not be any closer than 1' to any point of the existing wetlands. As the boardwalk heads north, it will continue at 8'-0" wide until reaching the first wooden docks while heading north the concrete (coquina mix) sidewalk widens to 12' wide and will be located on top of the existing timber bulkhead that will remain in place. This will help stabilize the existing timber bulkhead back to the I-wall and protect the already well-established tidal plantings along the timber bulkhead. Along the edge of the boardwalk on top of the bulkhead there will be an FDOT guardrail with a sunburst pattern representing the beautiful sunsets that downtown Fernandina is known for. The existing timber bulkhead will be extended from under the existing wood dock approximately 25' for stabilization under the dock. Additional stabilization will be provided by placing open cell articulating block (hand-placed) along the existing riverbank to address the eroding shoreline before further erosion. Starting from the most southern boundary along the Riparian Rights Boundary and on further then 40' from the +1.0' topo line will be the placement for an Oyster Bag Reef heading north and stopping at the existing Boat Launch Ramp Dock. Within the area that is formed by the Oyster Bag Reef will be tidal plantings to fill in the bare areas of the mud flats. Tidal plantings will also be placed over the existing open cell articulating blocks and up to the edge to the concrete boardwalk. All stabilization materials placed along the river will be according to Nationwide Permit 54 for living shorelines. The project will have a Bid Additive to provide Granite Stones without plantings in lieu of open cell articulating blocks with tidal plantings. The project will also have a Bid Additive for the existing Bath House and Restroom Building to be demolished including foundations while protecting trees and landscape restoring the site with grass until the future construction of a new building.

Site Plan Review Checklist

☒

The names, address, telephone number, fax number, and email address of the person preparing the plan.

☒

The date of preparation and date(s) of any modifications, a north arrow, and a written and graphic scale.

☒

The legal description of the property, consistent with the required survey.

☒

A vicinity map showing the location of the property.

☒

The location of streams, bodies of water, natural features, roads, rights-of-way, street intersections, and paved areas within the boundaries of the property.

☒

The location of streams, bodies of water, dunes and dune systems, and other natural features within 250 feet of the boundaries of the property.

☒

The location of the mean high-water line, if such line is within the boundaries of the property.

☒

A topographic survey, soils report, grading plan, and an erosion control plan.

☒

A general floodplain map indicating areas subject to inundation and high groundwater levels up to a 100-year flood classification.

☐

A statement indicating the distances to schools and public safety facilities intended to serve the proposed development.

☐

The name, plat book, and page number of any recorded subdivision comprising all or part of the site.

☐

The location and use of any existing and proposed principal or accessory buildings and structures, showing proposed setbacks, building heights, and other dimensional requirements of the zoning district.

☒

Elevations of all proposed structures.

☐

The access points, driveway design, on-site parking, including required parking lot landscaping, internal circulation, sidewalks, and bicycle facilities.

☒

The location of existing and proposed utilities, utility services, and easements.

☒

A tree survey showing protected trees, proposed replacement trees, if required, and landscaping and buffering. (See Section 4.05.00.)

☒

A soil erosion and sediment control plan compliant with Section 3.01.04.

☐

For a PUD site plan, a detailed, written list and explanation of how the proposed PUD differs from any provision of this LDC applicable to the underlying zoning district.

☐

For site plans and PUD site plans where development is proposed in phases, the plans shall include phase lines and the following supporting information:

☒

o Timeline for the development; and

☒

o Benchmarks for monitoring the progress of construction of each phase regarding land clearing, soil stabilization and erosion control, installation of infrastructure, and installation of landscaping.

☐

A summary block containing:

☐

o Land use category from the Future Land Use Map in the comprehensive plan;

☐

o Zoning district;

☐

o Total acreage;

☐

o Total square footage for non-residential uses;

☐

o Total density and number of units, proposed and permissible for residential uses;

☐

o Impervious surface ratio calculation, proposed and permissible;

☐

o Floor area ratio calculation, proposed and permissible;

☐

o Total number of parking spaces, required and provided; and

☐

o Number of trees required to be protected, number of trees remaining on the site, and number of trees to be planted.

☐

Additional plans, documents, or reports that are necessary to support the application shall be submitted. Such plans, documents, or reports may include, but are not limited to:

- ☐ o Subdivision Plats (subdivision plats shall contain the information set forth in Section 11.01.05.)
- ☐ o Concurrency analysis (concurrency analysis reports shall contain the information set forth in Section 7.04.00.)
- ☐ o Traffic analysis reports (requirements for traffic analysis reports are set forth in Section 11.01.06.)
- ☐ o Parking studies (requirements for parking studies are set forth in Section 7.01.04.)
- ☐ o Stormwater management plans (requirements for stormwater management plans are set forth in Section 7.03.00.)
- ☐ o Environmental Impact Study (requirements for environmental impact studies are set forth by regional, State, and federal agencies with jurisdiction and in Chapter 3 of the LDC.)
- ☐ o Tree Protection Plan (Section 4.05.09.)
- ☐ o Landscape Plan (Section 4.05.00.)
- ☐ o Lighting Plan (Section 3.05.00.), Section 7.01.04.B)
- ☐ o Signage Plan (Section 5.03.00.)
- ☐ o Proof of Ownership " provide a legal description, Property Identification Number (PIN) and a copy of the warranty deed.
- ☐ Concurrency analysis reports shall contain the information set forth in Section 7.04.00. Requirements for traffic analysis reports are set forth in Section 11.01.06. Requirements for parking studies
- ☐ Any development application for development proposed within the Airport Overlay Zone established for the Fernandina Beach Municipal Airport shall provide confirmation of notification to the FAA as r

School Concurrency

New residential development is required to demonstrate compliance with school concurrency as regulated in the City of Fernandina Beach through the City of Fernandina Beach's Comprehensive Plan Intergovernmental Coordination Element and the Interlocal Agreement Amendment for Public School Facility Planning adopted by the City on May 21, 2019. No new residential rezoning, preliminary plat, site plan or functional equivalent may be approved by the City unless the residential development is exempt from requirements outlined in Section 9.13 of the Amended Interlocal Agreement OR a School Concurrency Reservation Letter has been issued by the School Board indicating that adequate school facilities exist.

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.

Applicant First Name*

Christopher

Applicant Last Name*

Nardone

Today's Date*

5/21/2021

Upload Supporting Documentation*

17280-2020 Waterfront Stabilization Phase 2 (05-14-2021).pdf

Upload 2

Choose File No file selected

Upload 3

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Upload 4

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Upload 5

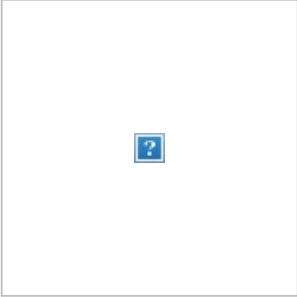
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Choose File No file selected

Upload 7

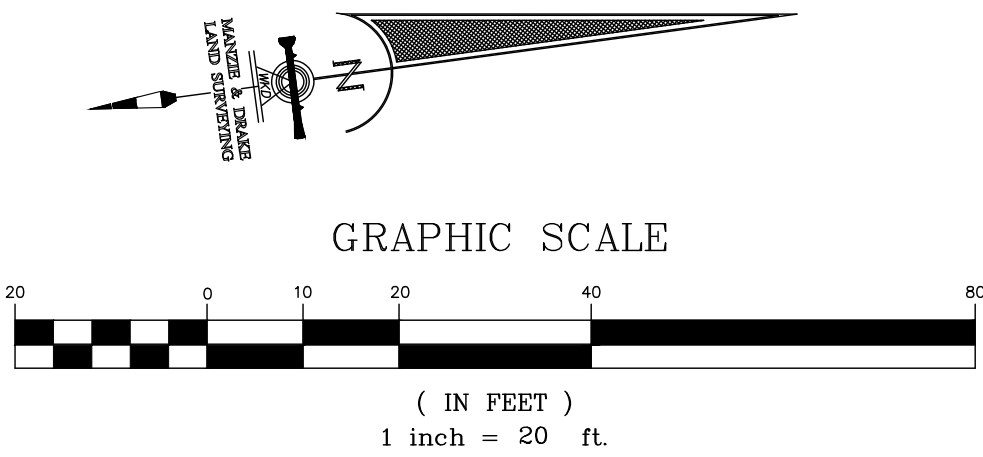
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DEPARTMENT OF PLANNING & CONSERVATION

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

MAP OF TOPOGRAPHIC SURVEY
FERNANDINA BEACH MARINA,
FERNANDINA BEACH,
NASSAU COUNTY, FLORIDA.



REFERENCE BENCHMARK
NATIONAL GEODETIC SURVEY BRASS DISK
DESIGNATION "872-0030 TIDAL 2 1974"
ELEVATION 5.30' N.A.V.D. 1988
N=2,304,047.2029 / E=509,870.8214

- LEGEND
- TD = CABLE TELEVISION PEDESTAL
 - CON = CONCRETE FLATWORK
 - EL = ELECTRICITY METER
 - FD = FIRE HYDRANT
 - AL = ALUMINUM LIGHT POLE
 - CA = COVERED AREA
 - SM = SEWER MANHOLE
 - TP = TELEPHONE PEDESTAL
 - WM = WATER METER
 - WF = WOOD FLATWORK
 - WV = WATER VALVE
 - ICV = IRRIGATION CONTROL VALVE
 - B = BENCHMARK
 - WLF = WETLAND FLAG
 - CL = CENTERLINE
 - CA = CENTRAL ANGLE
 - CB = CHORD BEARING
 - CD = CHORD DISTANCE
 - CH = CHORD
 - X-X = CHAIN LINK OR WIRE FENCE
 - O-O = METAL RAIL FENCE
 - W-V = WOOD OR VINYL FENCE
 - RCP = REINFORCED CONCRETE PIPE
 - HDPE = HIGH-DENSITY POLYETHYLENE
 - ELEV = ELEVATION
 - NAVD = NORTH AMERICAN VERTICAL DATUM
 - O.R.B. = OFFICIAL RECORDS BOOK
 - R = RADIUS
 - R/W = RIGHT-OF-WAY
 - P.I.N. = PARCEL IDENTIFICATION NUMBER

TREE LEGEND

- CD = CEDAR TREE
- HB = HACKBERRY TREE
- PM = PALM TREE
- MM = MIMOSA/SILK TREE

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"

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

REVISIONS:

1. REVISED ON 05/14/2021 TO SHOW CORRECTED TREE LOCATIONS ALONG THE SOUTH ±250' OF THE WOOD BOARDWALK AND TO ADJUST LOCATED WETLAND FLAGS BETWEEN FLAGS A-6 TO A-11 AND A-23 TO A-36. (WKO)

SURVEY NOTES:

- 1.) Reproductions of this sketch are not valid unless sealed with an embossed surveyor's seal.
- 2.) Bearings and coordinates shown hereon are relative to Florida State Plane Coordinate System, East Zone, North American Datum 1983 / 1990.
- 3.) Elevations shown hereon are based on the North American Vertical Datum of 1988. The source benchmark is National Geodetic Survey monument "872-0030 Tidal No. 2" (Elev. 5.30'). The Site Benchmark is the same reference point.
- 4.) The Mean High Water Line shown hereon was established per the Department of Environmental Protection by extending the published tidal datum (Tide Gauge 872-0030). Mean High Water Elevation = 2.40' NAVD 1988.
- 5.) This firm's "Certificate of Authorization" number is "LB 7039".
- 6.) This is not a boundary survey. For boundary information of any of the parcels shown hereon, refer to the boundary surveys, by this firm, listed on the individual parcels.

ASH
STREET
(60' R/W)

FRONT STREET
RIGHT-OF-WAY VARIES
MANZIE & DRAKE FILE NO. C-265
(SURVEY DATED 07/02/2002)

FERNANDINA HARBOR LINE
CONCRETE MONUMENT R-11
N=2,304,101.5134
E=509,986.3018

2'x3' CATCH BASIN
TOP ELEVATION = 5.20'
24" RCP NORTH INVERT = 0.10'
24" RCP WEST INVERT = (CAPPED)
24" RCP EAST INVERT = 0.09'

SANITARY MANHOLE
TOP ELEVATION=5.83'
UNABLE TO OPEN

SANITARY MANHOLE
(FILLED WITH FLUIDS, UNABLE TO OBTAIN INVERTS, PIPE SIZES & PIPE MATERIALS) INFORMATION BELOW COPIED FROM MAP BY THIS FIRM DATED 12-18-2008 (FILE NO. C-265-B) AND CONVERTED TO N.A.V.D. 1988 DATUM (SUBTRACTED 1.15')
TOP ELEVATION=5.82' / BOTTOM ELEVATION=1.88'
6" P.V.C. PIPE SOUTHWESTERLY INVERT=1.88'
6" P.V.C. PIPE NORTHERLY INVERT=1.92'
6" P.V.C. PIPE SOUTHEASTERLY INVERT=1.94'

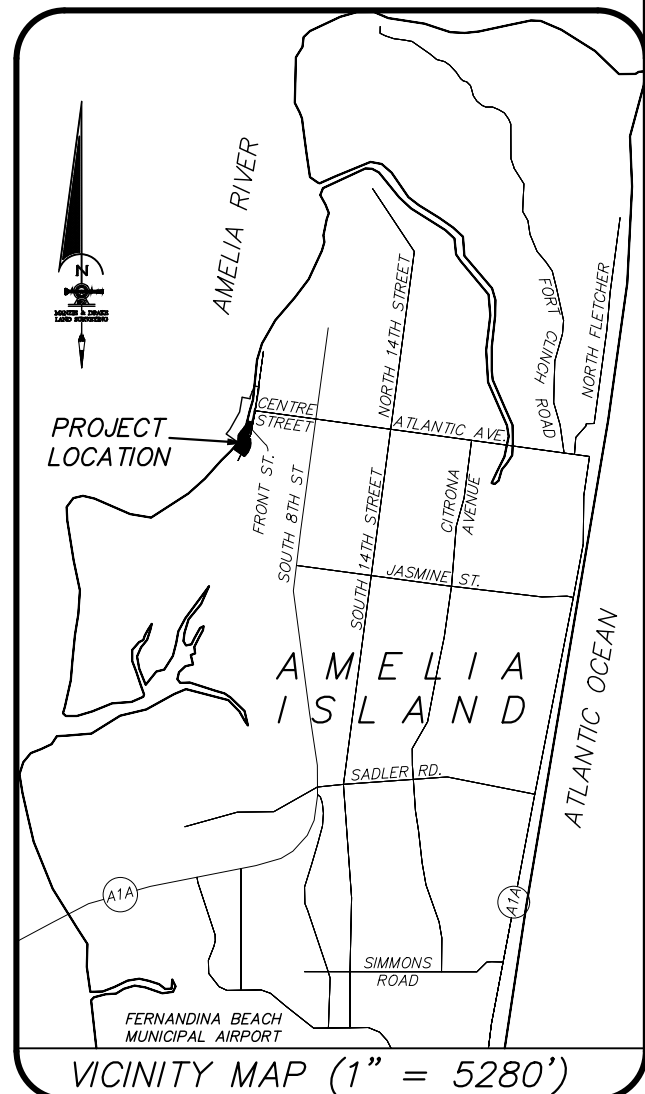
ASPHALT
ROADWAY

SANITARY SEWER LINE IS NO LONGER IN SERVICE
PER UTILITY DIRECTOR OF FPU - PER MAP BY THIS FIRM DATED 12-18-2008 (FILE NO. C-265-B)

SANITARY MANHOLE
(FILLED WITH FLUIDS, UNABLE TO OBTAIN INVERTS, PIPE SIZES & PIPE MATERIALS)
TOP ELEVATION=6.55'

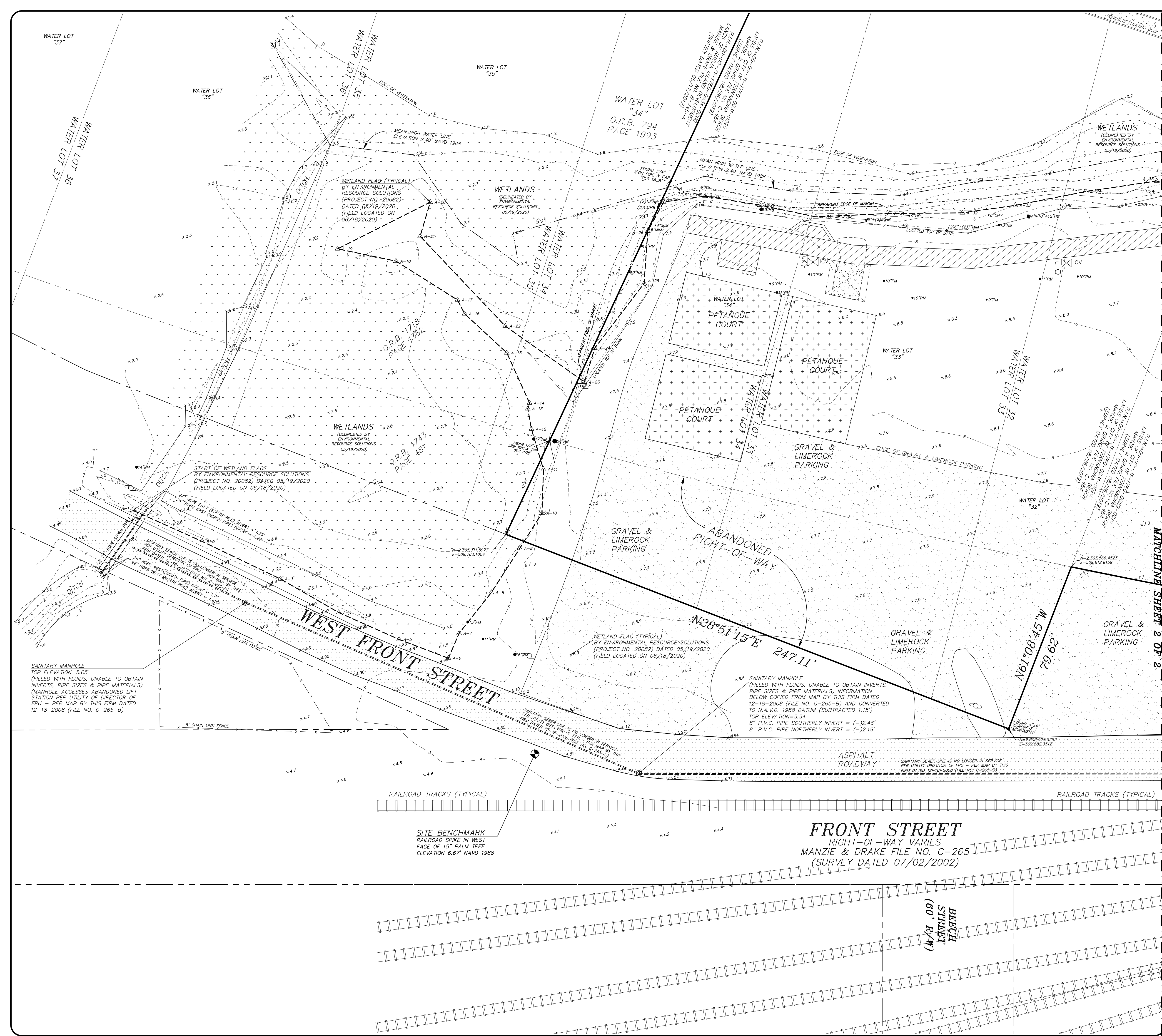
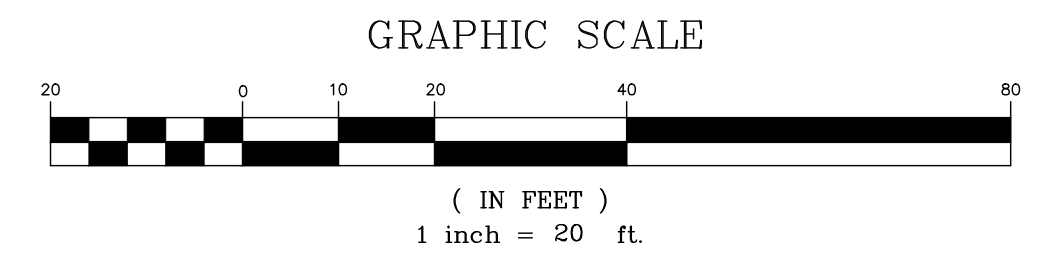
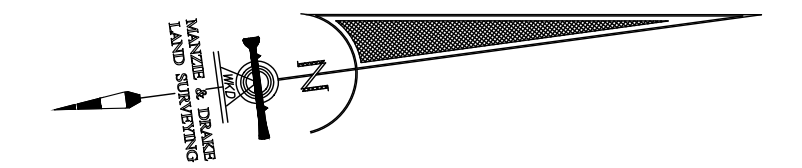
RAILROAD TRACKS (TYPICAL)

RAILROAD TRACKS (TYPICAL)



MAP OF TOPOGRAPHIC SURVEY AMELIA RIVER WATERFRONT STABILIZATION (PHASE 2)

FERNANDINA BEACH MARINA,
FERNANDINA BEACH,
NASSAU COUNTY, FLORIDA.
(THIS IS NOT A BOUNDARY SURVEY)



- LEGEND**
- = CABLE TELEVISION PEDESTAL
 - = CONCRETE FLATWORK
 - = ELECTRICITY METER
 - = FIRE HYDRANT
 - = ALUMINUM LIGHT POLE
 - = COVERED AREA
 - = SEWER MANHOLE
 - = TELEPHONE PEDESTAL
 - = WATER METER
 - = WOOD FLATWORK
 - = WATER VALVE
 - = IRRIGATION CONTROL VALVE
 - = BENCHMARK
 - △ = WETLAND FLAG
 - = CENTERLINE
 - ∠ = CENTRAL ANGLE
 - CB = CHORD BEARING
 - CD = CHORD DISTANCE
 - CH = CHORD
 - x-x = CHAIN LINK OR WIRE FENCE
 - o-o = METAL RAIL FENCE
 - o-o- = WOOD OR VINYL FENCE
 - RCP = REINFORCED CONCRETE PIPE
 - HOPE = HIGH-DENSITY POLYETHYLENE
 - ELEV = ELEVATION
 - NAVD = NORTH AMERICAN VERTICAL DATUM
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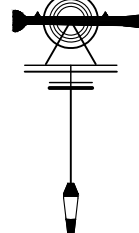
- TREE LEGEND**
- CD = CEDAR TREE
 - HB = HAWKBIT TREE
 - PM = PALM TREE
 - MM = MIMOSA/SILK TREE

REVISIONS:
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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.

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

SEE SHEET 1 OF 2 FOR SIGNATURE
MICHAEL A. MANZIE, P.L.S. 4069



CONTRACT DRAWINGS FOR:

CITY OF FERNANDINA BEACH

FRONT STREET
FERNANDINA BEACH, FL 32034

- **AMELIA RIVER WATERFRONT STABILIZATION
PARKING LOTS C & D**

U.S. Army Corps of Engineers Nationwide Permits 13 and 54 Verification
SAJ-2020-01718

Application for State of Florida Environmental Resource Permit (62-330, F.A.C.)

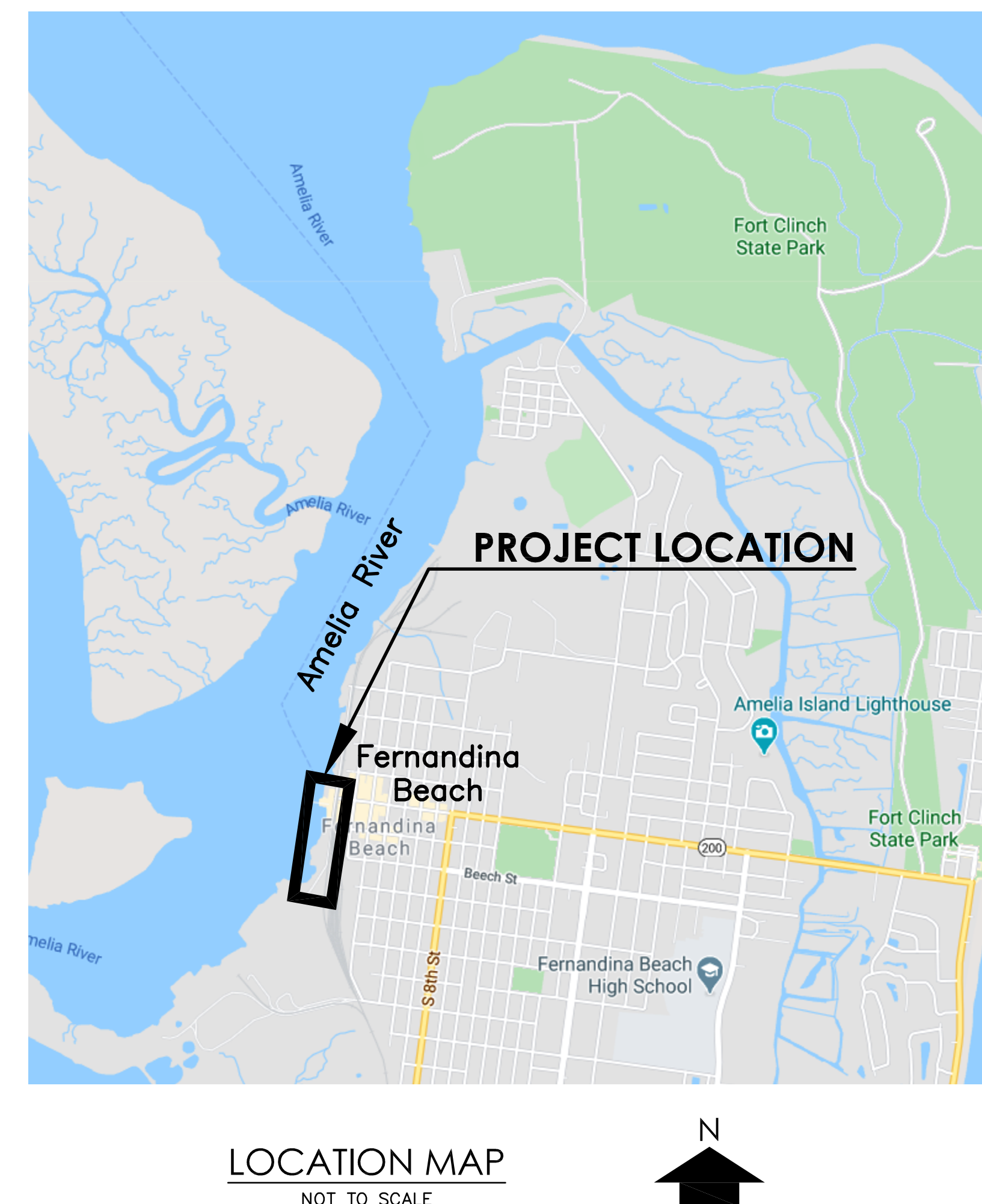
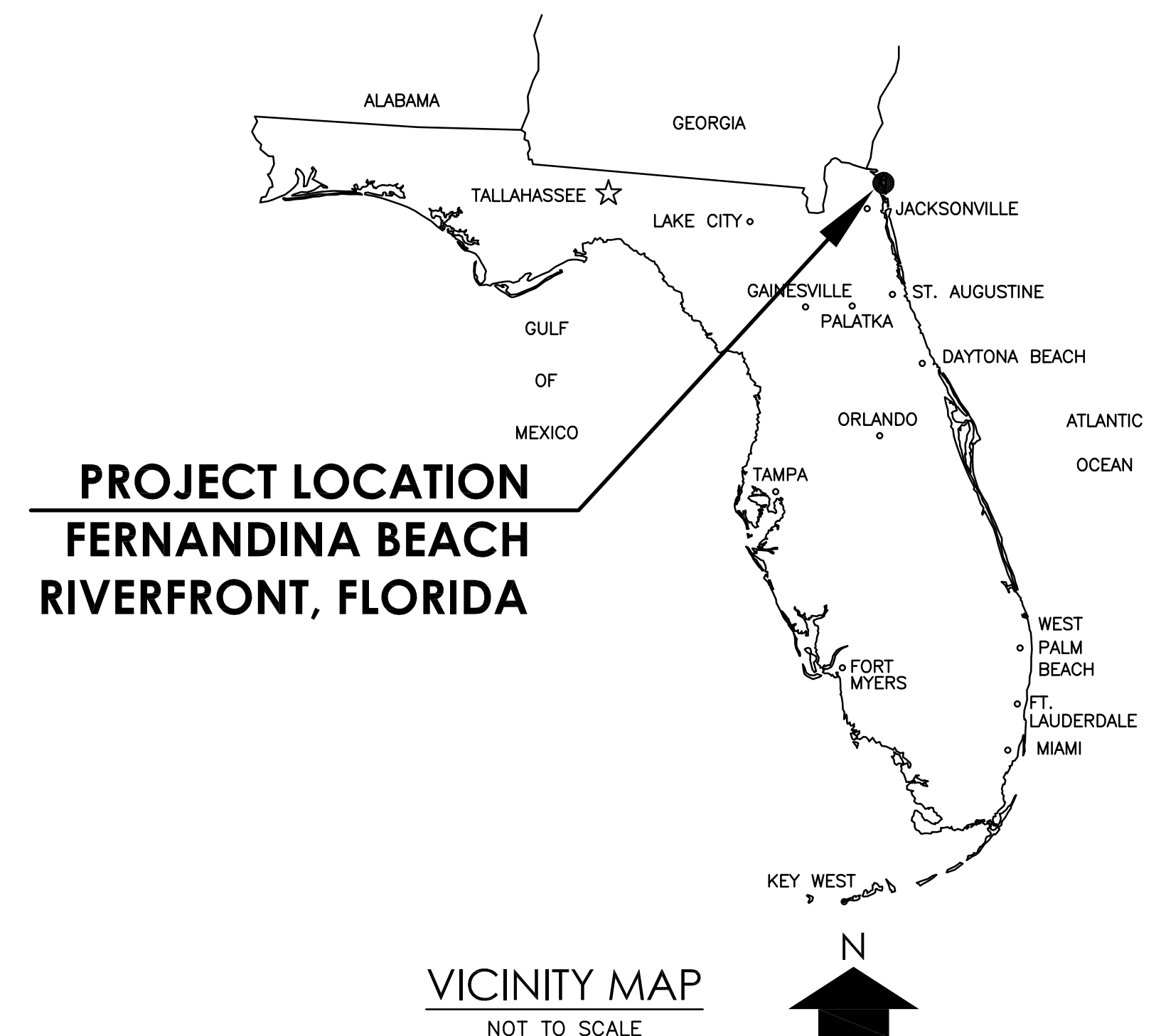


Certificate of Authorization # 3428
4730 Casa Cola Way, Suite 200 (904) 757-6106
St. Augustine, FL 32095 Fax: (904) 757-6107

PASSERO ASSOCIATES
PROJECT NUMBER 99000047.0095



CITY OF FERNANDINA BEACH
204 ASH STREET
FERNANDINA BEACH, FL 32034



May 20, 2021

TRC SET

Drawing name: F:\PASSERO\FHB\99000047.0095 FHB Waterfront\Airport\G1-02_IND.dwg G1-2_IND May 20, 2021 1:50pm by: EBredestege

UTILITY LEGEND

Ⓢ	STORM MANHOLE
■	STORM INLET
■	YARD DRAIN
⊙	CLEANOUT/LAMPHOLE
x	INVERT LOCATION
⦿	SPRINKLER
⌒	HEADWALL
Ⓢ	SANITARY SEWER
⚡	FIRE HYDRANT
⌘	WATER VALVE
Ⓜ	WATER METER
Ⓜ	WATER MANHOLE
ⓔ	ELECTRICAL MANHOLE
Ⓜ	ELECTRICAL HANDHOLE
Ⓜ	PULL BOX
Ⓜ	JUNCTION BOX
ⓔ	ELECTRICAL BOX
ⓔ	ELECTRICAL METER
Ⓜ	TRANSFORMER
ⓔ	ELECTRICAL PEDESTAL
⦿	UTILITY POLE
⦿	LIGHT POLE
⦿	DUCTBANK MARKER
Ⓢ	COMMUNICATIONS MANHOLE
⦿	CABLE MARKER
Ⓜ	TELEPHONE PEDESTAL
Ⓢ	COMMUNICATIONS BOX
Ⓜ	TELEPHONE BOOTH
Ⓜ	TRAFFIC BOX
⦿	GAS MARKER
⌘	GAS VALVE
Ⓢ	GAS METER
Ⓢ	GAS REGULATOR
Ⓜ	A/C UNIT
Ⓜ	SIGN
⦿	BOLLARD
==	STORM LINE
---	DITCH
—SS—	SANITARY LINE
—W—	WATER LINE
—IR—	IRRIGATION SLEEVE
----	CONDUIT
=====	DUCT BANK
—FO—	FIBER OPTIC LINE
—C—	COMMUNICATION LINE
—GAS—	NATURAL GAS LINE
—F—	FUEL LINE
—X—	FENCE LINE

LEGEND

Ⓜ	CABLE TELEVISION PEDESTAL
Ⓜ	ELECTRICITY METER
☆	ALUMINUM LIGHT POLE
Ⓜ	COVERED AREA
Ⓜ	TELEPHONE PEDESTAL
Ⓜ	WATER METER
⌘	WATER VALVE
⌘	IRRIGATION CONTROL VALVE
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CH	CHORD
RCP	REINFORCED CONCRETE PIPE
HDPE	HIGH-DENSITY POLYETHYLENE
ELEV	ELEVATION
NAVD	NORTH AMERICAN VERTICAL DATUM
O.R.B.	OFFICIAL RECORDS BOOK
R	RADIUS
R/W	RIGHT-OF-WAY

TREE LEGEND

CDR	=	CEDAR TREE
HB	=	HACKBERRY TREE
PM	=	PALM TREE

INDEX OF DRAWINGS

G1-1	COVER SHEET
G1-2	INDEX OF DRAWINGS, ABBREVIATIONS, LEGEND & SUMMARY OF QUANTITIES
G1-3	HORIZONTAL AND VERTICAL CONTROL PLAN
G1-4	GENERAL NOTES
G1-5	STRUCTURAL NOTES
G1-6	WILDLIFE PROTECTION NOTES AND PLANTING NOTES
G2-1	OVERALL PLAN
C1-1	DEMOLITION PLAN
C1-2	DEMOLITION PLAN
C1-3	DEMOLITION PLAN
C1-4	DEMOLITION PLAN
C2-1	BOARDWALK AND STABILIZATION PLAN
C2-2	BOARDWALK AND STABILIZATION PLAN
C2-3	BOARDWALK AND STABILIZATION PLAN
C2-4	BOARDWALK AND STABILIZATION PLAN
C2-5	BOARDWALK AND STABILIZATION PLAN: ENLARGED AREA
C2-6	BUILDING DEMOLITION PLAN (BID ADDITIVE 1)
C3-1	TYPICAL SECTIONS
C3-2	TYPICAL SECTIONS
C3-3	TYPICAL SECTIONS
C3-4	TYPICAL SECTIONS AND DETAILS
C3-5	ARTICULATED BLOCK DETAILS
C3-6	"I"-WALL AND FLOOD BARRIER DETAILS
C3-7	FP-530 FLOOD PLANK SYSTEM BETWEEN JAMB MOUNT DETAILS
C3-8	FDOT EROSION AND SEDIMENT CONTROL DETAILS
C3-9	FDOT EROSION AND SEDIMENT CONTROL DETAILS
C3-10	EROSION CONTROL DETAILS
C3-11	BOARDWALK JOINT DETAILS
C4-1	FDOT ALUMINUM RAILING DETAILS
C4-2	FDOT ALUMINUM RAILING DETAILS
C4-3	FDOT ALUMINUM RAILING DETAILS
C4-4	FDOT ALUMINUM RAILING DETAILS
C4-5	FDOT ALUMINUM RAILING DETAILS
C4-6	FDOT PIPE GUIDERAIL (ALUMINUM)
C4-7	FDOT PIPE GUIDERAIL (ALUMINUM)
C4-8	FDOT PIPE GUIDERAIL (ALUMINUM)
C4-9	FDOT PIPE GUIDERAIL (ALUMINUM)
C5-1	BOARDWALK AND "I"-WALL PROFILE
C6-1	CROSS SECTIONS
C6-2	CROSS SECTIONS
C6-3	CROSS SECTIONS
C6-4	CROSS SECTIONS
C6-5	CROSS SECTIONS
C6-6	CROSS SECTIONS
C7-1	EXISTING UTILITY PLAN
C7-2	EXISTING UTILITY PLAN
C7-3	EXISTING UTILITY PLAN
C7-4	EXISTING UTILITY PLAN

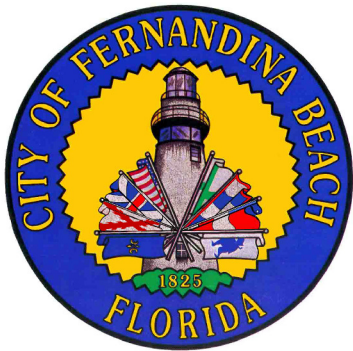
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Certificate of Authorization # 3428
Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredestege

Revisions

No.	Date	By	Description
1	5/22/21	EME	ADDENDUM #1

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INDEX OF
DRAWINGS,
ABBREVIATIONS,
LEGEND & SUMMARY
OF QUANTITIES

Amelia River Waterfront
Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida

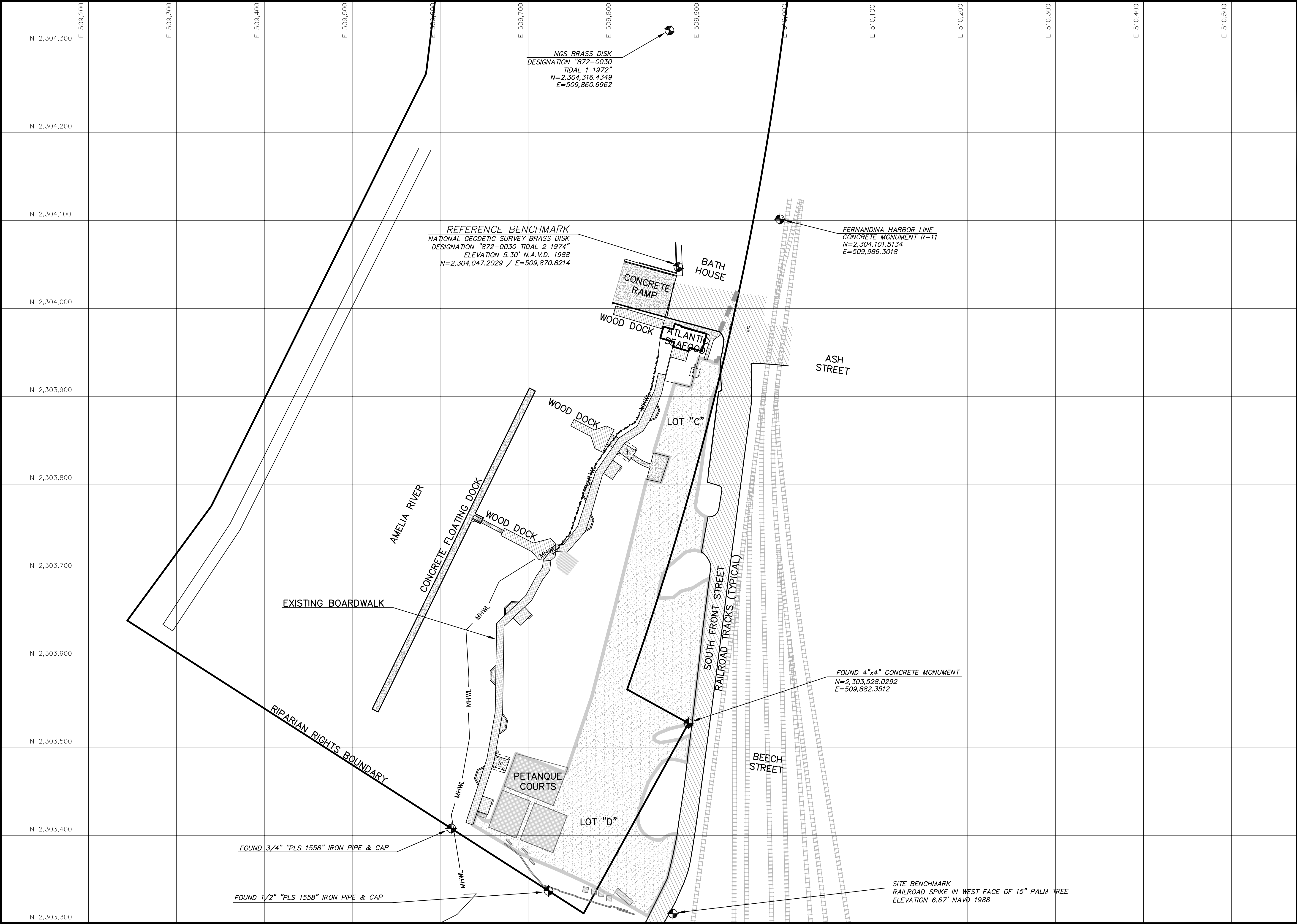
Project No.
99000047.0095

Drawing No.

G1-2

Date
May 20, 2021

Drawing name: F:\PASSERO\FHB\99000047.0095 FHB Waterfront\Airport\G1-03_CTRL.dwg CTRL May 20, 2021 11:47am by: EBredestege





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HORIZONTAL AND VERTICAL CONTROL PLAN

Amelia River Waterfront Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida

Project No.
99000047.0095

Drawing No.
G1-3

Date
May 20, 2021

Drawing name: F:\PASSERO\FHB\99000047.0095 FHB Waterfront\Airport\G1-04_GENL-NOTE.dwg G1-4_GENL-NOTE May 20, 2021 11:47am by: EBredestage

GENERAL NOTES

1. THE INTENT OF THIS CONTRACT IS TO COMPLETE THE PROJECT WITH MINIMAL AMOUNT OF DELAYS TO THE OWNER (I.E. THE SHORTEST AMOUNT OF THE ACTIVE MARINA AREAS ARE OUT OF SERVICE).
2. THE CONTRACTOR SHALL GIVE A 48-HOUR NOTICE TO THE OWNER PRIOR TO THE START OF CONSTRUCTION, SO THAT THE OWNER CAN ISSUE THE APPROPRIATE NOTICE.
3. ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED WITHIN 270 CALENDAR DAYS.
4. IN THE CASE OF A HURRICANE WARNING OR A TROPICAL STORM WARNING FOR THE COUNTY, THE CONTRACTOR SHALL SECURE THE SITE TO THE EXTENT PRACTICAL AND REMOVE MATERIAL AS REQUIRED UNTIL SUCH TIME AS THE STORM EVENT PRECLUDES ANY FURTHER ACTIVITY ON SITE.
5. SILT FENCE SHALL BE MAINTAINED IN FUNCTIONAL WORKING CONDITION. THE SILT FENCE SHALL BE KEPT IN GOOD REPAIR AND REPLACED AND RESTAKED AS NECESSARY IN COMPLIANCE WITH BEST MANAGEMENT PRACTICES. INCLUDE ALL EROSION CONTROL COSTS IN ITEM P-156.
6. THE STAGING STOCKPILE AREA SHALL BE KEPT IN A WORKMANLIKE MANNER WITH 2:1 MAXIMUM SIDE SLOPES AND A MAXIMUM HEIGHT OF 12 FEET ABOVE THE EXISTING GROUND.
7. TRUCKS SHALL BE EQUIPPED WITH APPROVED LOAD COVERS THAT WILL BE SECURED ALONG THE TRUCK ROUTE (FRONT STREET).
8. THE TRUCKS SHALL BE LOADED SO THAT NO MATERIAL AT ANY POINT IN THE BED IS HIGHER THAN THE SIDE OF THE TRUCK BED.
9. ANY MATERIAL SPILLED FROM ANY TRUCK ALONG THE ROUTE (FRONT STREET) IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CLEANED UP IMMEDIATELY, AS DIRECTED BY THE ENGINEER.
10. OPERATIONS WILL INCLUDE THE USE OF A FLAGGER IF REQUIRED TO DIRECT TRAFFIC DURING BACKING AND OFFLOADING.
11. SIDE SLOPES OF THE STAGING STOCKPILE AREA AND SPOIL TRANSFER AREA ARE TO BE STABILIZED WITH HYDRO-MULCH AT THE END OF EACH DAY.
12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP A SPILL PREVENTION AND COUNTERMEASURES PLAN AND A STORMWATER POLLUTION PREVENTION PLAN FOR THE ENGINEER'S APPROVAL, AND MAINTAIN SAME.
13. NOTICES TO OWNER (CITY) – PROVIDE THE NECESSARY INFORMATION ON CONSTRUCTION CONDITIONS CLOSURES, ETC.) TO THE OWNER MINIMUM OF 48 HOURS PRIOR SO THAT A NOTICE CAN BE ISSUED IN ACCORDANCE WITH ESTABLISHED CRITERIA BY THE OWNER TO THE MARINA.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE STORAGE AND SECURITY OF HIS MATERIAL AND EQUIPMENT AND SHALL ERECT STORAGE FACILITIES AND FENCING AS NECESSARY. THE CONTRACTOR'S STORAGE AND STAGING AREAS SHALL BE IN THE LOCATIONS SHOWN ON DRAWING G2-1: OVERALL PLAN.
15. CONSTRUCTION STAKE-OUT SHALL BE PERFORMED BY CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL MEASUREMENTS THAT MAY BE REQUIRED TO LAYOUT THE CONSTRUCTION. THE COST OF STAKING WILL BE INCLUDED IN ITEM S-126-5.1.
16. THE CONTRACTOR'S STAGING AREA(S) SHOWN ON THE PLANS ARE GENERAL AND FOR INFORMATIONAL PURPOSES ONLY. THE ACTUAL SIZE AND LOCATION OF STAGING AREAS WILL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION COMMENCEMENT.
17. ALL NON-PAVED AREAS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS, SUCH AS THE CONTRACTOR'S ACCESS ROAD (FRONT STREET), STAGING AREA, ETC., SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND SODDED UPON COMPLETION OF THE PROJECT. IN ADDITION, ALL EXISTING PARKING AREAS THAT WILL BE USED AS THE CONTRACTOR'S STAGING AREA(S) SHALL BE MAINTAINED DURING CONSTRUCTION AND RESTORED TO THEIR PRE-CONSTRUCTION CONDITION. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR THIS ITEM.
18. THE CONTRACTOR SHALL CONDUCT HIS CONSTRUCTION OPERATIONS AS SHOWN ON THE PLAN DRAWINGS. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE OWNER'S (CITY OF FERNANDINA BEACH) CITY ENGINEER TO MINIMIZE INTERFERENCE TO MARINA OPERATIONS DURING CONSTRUCTION.
19. THE CONTRACTOR SHALL KEEP A WATER TRUCK ON SITE AT ALL TIMES FOR THE PURPOSE OF CONTROLLING DUST AS REQUIRED BY THE ENGINEER.
20. THE CONTRACTOR SHALL VISIT THE SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO SUBMITTING THEIR BID. THE CONTRACTOR SHALL REPORT TO THE OWNER'S (CITY OF FERNANDINA BEACH) CITY ENGINEER ANY VARIATIONS FROM THE INFORMATION SHOWN ON THE CONSTRUCTION PLANS.
21. ANY UNPLANNED, UNAPPROVED, OR ACCIDENTAL SHUTDOWN OR INTERRUPTION OF SERVICE TO ANY LIGHTING CIRCUIT OR MARINA REQUIRES IMMEDIATE NOTIFICATION TO THE CITY ENGINEER BY THE CONTRACTOR.
22. ALL DISPUTES ARISING FROM THE CONTRACTOR SHALL BE DECIDED BY THE OWNER'S (CITY OF FERNANDINA BEACH), WHOSE DECISION SHALL BE FINAL.
23. THE CONTRACTOR SHALL OBTAIN AND PAY ASSOCIATED FEES FOR ALL OUTSTANDING PERMITS NECESSARY FOR THE COMPLETION OF THIS PROJECT.
24. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE CLEANUP AND DISPOSAL OF ALL TRASH AND DEBRIS CREATED BY HIS WORK OR PERSONNEL. NO BURNING IS ALLOWED ON SITE. ALL TRASH AND DEBRIS MUST BE DISPOSED OF OFF SITE.
25. THE CONTRACTOR SHALL MAINTAIN SECURITY WITHIN THE PROJECT SITE AT ALL TIMES. NO UNAUTHORIZED PERSONNEL SHALL BE ALLOWED ON THE SITE. ALL GATES MUST BE LOCKED AT ALL TIMES. A GATE GUARD MAY BE USED. NO ADDITIONAL PAYMENT WILL BE MADE IF CONTRACTOR ELECTS TO USE A GATE GUARD.
26. THE TEMPORARY IMPACT AREAS WILL BE RESTORED/REPLANTED TO PRE-CONSTRUCTION CONDITIONS.
27. ALL EROSION CONTROL DEVICES ARE TO BE MAINTAINED IN GOOD FUNCTIONING ORDER. ALL SILT FENCES AND TURBIDITY CURTAINS ARE TO BE INSPECTED, AND REPLACED IF NECESSARY, FOLLOWING ANY RAINFALL EVENT.

UTILITY NOTES

1. CONTRACTOR WILL PROTECT ALL EXISTING LIGHTING, SIGNS, AND EQUIPMENT IN THE VICINITY OF THE WORK AREA. ANY DAMAGE WILL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
2. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ALL PERMANENT AND TEMPORARY UTILITY CONNECTIONS TO THE STAGING AREA.
3. PRIOR TO DIGGING ANY TRENCHES, CONTRACTOR SHALL NOTIFY ALL UTILITIES (ELECTRIC, GAS, TELEPHONE, WATER, SEWER) AND OBTAIN LOCATIONS OF UNDERGROUND UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND IDENTIFICATION OF ALL EXISTING UTILITIES AND UNDERGROUND PIPELINES IN CONSTRUCTION AREA. ANY DAMAGES TO EXISTING UTILITIES OR UNDERGROUND PIPELINES ON OR OFF CITY PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL REPAIR WORK SHALL MEET THE APPROVAL OF THE OWNER OF THE DAMAGED UTILITY. NO REIMBURSEMENT WILL BE ALLOWED FOR UTILITY/PIPE REPAIR OR REPLACEMENT.
5. ANY UNPLANNED, UNAPPROVED, OR ACCIDENTAL SHUTDOWN OR INTERRUPTION OF SERVICE TO ANY LIGHTING CIRCUIT OR THE MARINA REQUIRES IMMEDIATE NOTIFICATION TO THE OWNER'S (CITY OF FERNANDINA BEACH) CITY ENGINEER BY THE CONTRACTOR. THE COST OF MATERIALS AND LABOR REQUIRED TO REPAIR THE LIGHTING CIRCUIT SHALL BE BORNE BY THE CONTRACTOR.

GENERAL

1. FOR ALL ITEMS REQUIRING THE USE OF WATER, THE CONTRACT UNIT PRICE BID FOR THE RESPECTIVE ITEM SHALL INCLUDE THE COST OF FURNISHING THE WATER (TYPICAL).

COORDINATION AND OPERATIONS

1. THE CONTRACTOR SHALL ACQUAINT SUPERVISORS AND SUBCONTRACTORS EMPLOYEES TO THE TRAFFIC ACTIVITY AND OPERATIONS THAT MAY BE IMPACTED BY THIS PROJECT. THE CONTRACTOR SHALL CONDUCT CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY TRAFFIC REQUIREMENTS AND GUIDELINES AS NOTED AND/OR SHOWN ON THE PLANS.
2. THE CONTRACTOR SHALL CONDUCT WEEKLY COORDINATION MEETINGS TO DISCUSS WORK AREAS, SCHEDULING, SAFETY, ETC. WITH THE ENGINEER AND OTHER APPROPRIATE OFFICIALS. MINUTES FROM THE WEEKLY MEETINGS SHALL BE PREPARED BY THE CONTRACTOR, UNLESS OTHERWISE DIRECTED BY THE ENGINEER, AND COPIES DISTRIBUTED TO ALL APPROPRIATE INDIVIDUALS.
3. CONSTRUCTION AND MAINTENANCE OPERATIONS BY OTHERS MAY OCCUR CONCURRENTLY AND AT TIMES IN THE VICINITY OF CONSTRUCTION ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS AND COOPERATE WITH MAINTENANCE CREWS AND OTHER CONTRACTORS WORKING IN THE AREA. COORDINATION WITH APPROPRIATE GOVERNMENT AND UTILITY AGENCIES IS ALSO REQUIRED.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR TOWING/RELOCATING VEHICLES WITHIN THE PARKING LOT.

CONSTRUCTION LAYOUT

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT, INCLUDING RESTAKING/LAYOUT AS REQUIRED TO COMPLETE THE PROJECT (TYPICAL).
2. ALL EXISTING SURVEY MONUMENTS SHALL BE PROTECTED BY THE CONTRACTOR DURING CONSTRUCTION. ALL MONUMENTS DISTURBED BY THE CONTRACTORS OPERATIONS SHALL BE RESET TO REQUIRED STANDARDS BY A REGISTERED SURVEYOR (STATE OF FLORIDA) AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE ENGINEER.
3. THE CONTRACTOR SHALL CONFIRM EXISTING GRADE ELEVATIONS AND PROVIDE AN OPPORTUNITY FOR THE ENGINEER (OR REPRESENTATIVE) TO REVIEW THE PROPOSED LAYOUT/GRADES PRIOR TO ACTUAL CONSTRUCTION.

CONTRACTOR'S REQUIREMENTS

1. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED FOR THE PERFORMANCE OF THIS CONTRACT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FILE/OBTAIN AND TO PAY ALL PERMIT FEES. COSTS FOR PERMITS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
2. THE CONTRACTOR MUST OBTAIN PROPER PERMITS FOR DELIVERY OF MATERIALS AND EQUIPMENT TO THE SITE. ANY DAMAGE TO OFF-SITE AND/OR ON-SITE ROADS SHALL BE THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PROMPTLY REPAIRED AT THE CONTRACTOR'S SOLE EXPENSE.
3. ALL CONTRACTOR'S VEHICLES AND TRAFFIC (UNLESS OTHERWISE AUTHORIZED) SHALL REMAIN WITHIN THE DESIGNATED STAGING AREA, CONSTRUCTION LIMITS OR HAUL ROUTES. CONTRACTOR VEHICLES, INCLUDING EMPLOYEE VEHICLES WILL NOT BE PERMITTED TO PARK IN PUBLIC PARKING LOTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ADDITIONAL STAGING AREA IS NEEDED. ADDITIONAL AREA MAY BE MADE AVAILABLE IF OPERATIONS PERMIT.
4. ALL CONTRACTOR VEHICLES SHALL BE IN GOOD WORKING ORDER WHILE ON THE WORK SITE.
5. THE CONTRACTOR SHALL RESTORE ALL HAUL ROUTE PAVEMENTS TO THEIR ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE OWNER AND THE ENGINEER. THE CONTRACTOR SHALL REPAIR DAMAGE TO PUBLIC ROADWAYS RESULTING FROM HIS CONSTRUCTION OPERATIONS WITHIN 24 HOURS, AND TO THE SATISFACTION OF THE APPROPRIATE JURISDICTIONS.
6. CONTRACTOR SHALL CONFORM TO AND IMPLEMENT THE CONSTRUCTION SAFETY AND PHASING PLAN IN THE CONTRACT DOCUMENTS.
7. NPDES AND ALL ASSOCIATED STORM WATER PERMITTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COST SHALL BE INCIDENTAL TO THE PROJECT.

AS-BUILT DRAWINGS/MEASUREMENTS

1. THE CONTRACTOR SHALL, UPON COMPLETION OF THE WORK, FURNISH TO THE ENGINEER AS-BUILT SURVEY FOR ALL WORK ITEMS ASSOCIATED WITH THE PROJECT INCLUDING LOCATION COORDINATES AND ELEVATIONS (MSL), DIMENSIONS AND FINAL AS-BUILT QUANTITIES. INFORMATION SHALL BE PROVIDED IN ELECTRONIC (AUTOCAD (VERSION 2020 COMPATIBLE) OR OTHERWISE SPECIFIED BY THE OWNER) FORMAT TO THE ENGINEER PRIOR TO PROJECT FINAL ACCEPTANCE. ALL AS-BUILT/RECORD INFORMATION SHALL BE PREPARED UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL SURVEYOR/ENGINEER, AND STAMPED/SEALED BY SAID PROFESSIONAL UPON FINAL SUBMITTAL TO THE OWNER.

UNDERGROUND UTILITIES

1. THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND FIELD CHECKS, AND ARE BELIEVED TO BE CORRECT. NO GUARANTEE IS MADE AS TO THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL LOCATE AND IDENTIFY ALL UNDERGROUND UTILITIES IN THE WORK AREA PRIOR TO CONSTRUCTION. ANY UNDERGROUND UTILITIES LOCATED WHICH DO NOT APPEAR ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. ANY DAMAGE TO UTILITIES, CAUSED BY THE CONTRACTOR, SHALL BE REPAIRED AT THE CONTRACTOR'S SOLE EXPENSE.
2. ALL ELECTRICAL CIRCUITS AND/OR UTILITIES AFFECTED BY THIS PROJECT SHALL BE PROTECTED AND MAINTAINED DURING OPERATIONAL PERIODS BY THE CONTRACTOR. THE CONTRACTOR, AT HIS/HER EXPENSE SHALL, IMMEDIATELY REPAIR, WITH IDENTICAL MATERIAL AND BY SKILLED WORKMEN, ANY UNDERGROUND CABLES WHICH ARE DAMAGED BY THEIR ACTIVITIES, WORKMEN, EQUIPMENT OR PERSONNEL. PRIOR WRITTEN APPROVAL BY THE OWNER MUST BE OBTAINED FOR THE MATERIALS, WORKMEN, TIME, AND METHOD OF REPAIRS AND FOR ANY TEMPORARY OR PERMANENT REPAIRS THE CONTRACTOR PROPOSES TO MAKE TO FACILITIES DAMAGED BY THE CONTRACTOR. SUCH REPAIRS MUST BE STARTED IMMEDIATELY AFTER LOCATING DAMAGED FACILITY AND CONTINUED UNTIL COMPLETE. THE OWNER MAY ELECT TO HAVE ANY REPAIR PERFORMED BY OTHERS AT THE CONTRACTORS SOLE EXPENSE.

UTILITIES NOTIFICATION

1. THE CONTRACTOR SHALL NOTIFY, AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE ENGINEER, THE REGISTERED UTILITY PROTECTION SERVICE, AND THE OWNER OF EACH UNDERGROUND UTILITY FACILITY SHOWN ON THE PLANS.
2. THE CONTRACTOR SHALL GIVE THE OWNER OF THE UNDERGROUND UTILITY A MINIMUM OF FORTY-EIGHT HOURS, EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAY AFTER NOTICE IS RECEIVED, TO STAKE, MARK, OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY ARE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION. NO DIGGING SHALL PROCEED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
3. THE LOCATION OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY AND THOSE SHOWN ARE NOT NECESSARILY ALL OF THE UTILITIES AND STRUCTURES. THE EXACT LOCATION AND ROUTING OF UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK ON THIS PROJECT. AFTER ALL UTILITIES HAVE BEEN FIELD LOCATED, THE CONTRACTOR SHALL EXCAVATE AND EXPOSE ALL UTILITIES WHICH MAY BE IN CONFLICT WITH PROPOSED FACILITIES. LOCATION AND ELEVATION SHALL BE ACCURATELY MEASURED. ANY APPARENT CONFLICT BETWEEN EXISTING AND PROPOSED FACILITIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL OBTAIN WRITTEN DIRECTIONS ON HOW TO PROCEED BEFORE BEGINNING ANY FURTHER EXCAVATION OR CONSTRUCTION. FAILURE TO FULLY COMPLY WITH THIS PROVISION WILL RESULT IN THE CONTRACTOR ASSUMING ALL RESPONSIBILITY AND COST OF UTILITY RELOCATION IN CASES OF CONFLICT.
4. ALL REQUIRED UTILITIES FOR THE CONTRACTOR'S STAGING AREA SHALL BE ARRANGED FOR BY THE CONTRACTOR AT HIS/HER SOLE EXPENSE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY POLES, LINES, PIPES, METERS, ETC. TO BRING THE SERVICES FROM EXISTING SOURCES TO THE AREA AS NECESSARY. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY AGENCIES. ALL UTILITY ARRANGEMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL HAVE ALL UTILITIES DISCONNECTED AND SHALL REMOVE ALL TEMPORARY POLES, PIPES, METERS, ETC. AND RESTORE THE AREAS TO THEIR PREVIOUS CONDITION OR BETTER.
5. ANY UTILITIES DAMAGED OR BROKEN BY THE CONTRACTOR WILL BE REPAIRED BY THE CONTRACTOR AT HIS/HER SOLE EXPENSE. EACH CONTRACTOR INVOLVED SHALL ASSUME ALL LIABILITY, FINANCIAL OR OTHERWISE, IN CONNECTION WITH THE CONTRACT AND APPLICABLE SUB-CONTRACTS AND SHALL PROTECT AND SAVE HARMLESS THE OWNER FROM ANY AND ALL DAMAGES OR CLAIMS THAT MAY ARISE BECAUSE OF INCONVENIENCES, DELAYS, LOSS OF SERVICE OR INCOME EXPERIENCED BY UTILITY SERVICE PROVIDERS OR TENANT OPERATIONS.

SUPERVISION

1. THE CONTRACTOR SHALL HAVE AT ALL TIMES ON SITE, WHILE WORK IS IN PROGRESS, A JOB SUPERINTENDENT/FOREMAN. THIS PERSON SHALL BE FAMILIAR WITH ALL TYPES OF CONSTRUCTION BEING PERFORMED AND SHALL BE THE SAME PERSON EACH DAY THROUGHOUT THE PROJECT. THE SUPERINTENDENT/FOREMAN SHALL HAVE THE RESPONSIBILITY OF COORDINATING EACH DAYS WORK WITH THE ENGINEER AND SHALL HAVE AUTHORITY TO SCHEDULE AND ADJUST ALL WORKERS, PRIME AND SUBCONTRACTORS, TO ACCOMMODATE OPERATION AS DIRECTED BY THE ENGINEER AND/OR OWNER.

GENERAL DEMOLITION NOTES:

1. ANY MATERIAL BEING DEMOLISHED SHALL BE REMOVED PROMPTLY (MAXIMUM 48 HOURS) AND DISPOSED OF OFF THE PROPERTY, UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT DOCUMENTS TO BE RE-USED/RECYCLED.

PA

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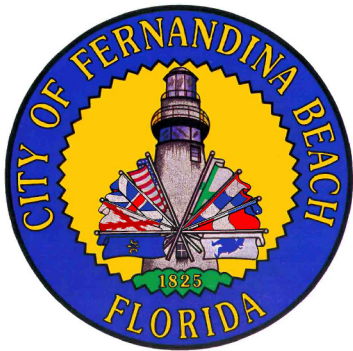
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Revisions

No.	Date	By	Description

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GENERAL NOTES

Amelia River Waterfront
Stabilization
Parking Lots C & D

Town/City: Fernandina Beach

County: Nassau State: Florida

Project No.

99000047.0095

Drawing No.

G1-4

Date

May 20, 2021

Drawing name: F:\PASSERO\FHB\99000047.0095 FHB Waterfront\Airport\G1-04_GENL-NOTE.dwg G1-5_STRC-NOTE May 20, 2021 11:48am by: EBredestage

STRUCTURAL GENERAL NOTES

LOAD CRITERIA

1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE (7TH EDITION)
2. DESIGN LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
BOARDWALK: 100 PSF
CONSTRUCTION SURCHARGE
LIVE LOAD BEHIND SHEET PILE WALL 250 PSF
3. BULKHEAD SOIL DESIGN PARAMETERS:

PER PROJECT GEOTECHNICAL REPORT
4. DESIGN SNOW LOAD: N/A
5. DESIGN WIND LOADS:
ULTIMATE WIND SPEED, V 128 MPH (THREE SECOND GUST)
NOMINAL WIND SPEED, V 99 MPH (THREE SECOND GUST)
RISK CATEGORY, II
EXPOSURE, D
INTERNAL PRESSURE COEFF GCpi, N/A

COMPONENTS AND CLADDING WIND LOADS, N/A
6. DESIGN SEISMIC LOADS ARE BASED ON THE FOLLOWING DATA: N/A

FLOOD DESIGN DATA

1. FEMA FIRM: PANEL 237 OF 510, MAP # 12089C0237G
2. FLOOD ZONE: VE (FLOOD SIDE) AE (PROTECTED SIDE)
3. BASE FLOOD ELEVATION, BFE: ZONE AE: +10.0 FT, NAVD 88
ZONE VE: +12.0 FT, NAVD 88
4. STILLWATER ELEVATION, +8.8 FT, NAVD 88
1% ANNUAL CHANCE:
5. TOP OF SEAWALL: +9.0 FT, NAVD 88

GENERAL FOUNDATION AND BULKHEAD WALL NOTES

1. BULKHEAD WALLS SHALL CONSIST OF FIBER REINFORCED POLYMER (FRP) SHEET PILES OR TREATED TIMBER PILING, WITH TIEBACK AND DEADMAN ANCHORAGE, DRIVEN TO DEPTHS INDICATED.
2. DESIGN IS BASED ON RECOMMENDATIONS FOUND IN THE PROJECT GEOTECHNICAL REPORT BY ECS FLORIDA, LLC TITLED "GEOTECHNICAL ENGINEERING REPORT -FHB RIVERFRONT", DATED MARCH 31, 2020.
3. CONTRACTOR SHALL EMPLOY A GEOTECHNICAL ENGINEER FOR SPECIAL INSPECTIONS AND OBSERVATIONS TO PROVIDE CONTINUOUS OBSERVATION TO CONFIRM THE ENCOUNTERED SOILS AND PILE DRIVING CONDITONS ARE IN ACCORDANCE WITH RECOMMENDATIONS PROVIDED IN THE PROJECT GEOTEHCNICAL REPORT. IF DIFFERENT CONDITIONS ARE ENCOUNTERED, THE GEOTECHNICAL ENGINEER SHALL PROVIDE REVISED RECOMMENDATIONS FOR DESIGN OF THE BULKHEAD WALLS.
4. CONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC., IN FIELD AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION OR SHOP DRAWINGS.
5. THE DRAWINGS ARE INTENDED TO REQUIRE AND TO INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT PROPER FOR THE WORK.
6. ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE AND NATIONAL CODES AND REQUIREMENTS.
7. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND SAFETY PROCEDURES. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR THEIR AGENTS OR EMPLOYEES OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK.
8. OBSERVE ALL OSHA AND OTHER APPLICABLE SAFETY REQUIREMENTS INCLUDING THE USE OF SAFETY GLASSES, HARD HATS, AND PROTECTION OF AREA WHEN WORKING OVERHEAD. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR CONSTRUCTION SAFETY AT ALL TIMES.
9. THE CONTRACTOR SHALL DESIGN AND PROVIDE ANY TEMPORARY SHORING, BRACING, ETC., AS NEEDED FOR THE WORK SO AS NOT TO ENDANGER THE STRUCTURAL INTEGRITY OF ANY EXISTING FEATURE.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE DONE TO EXISTING FEATURES AS A RESULT OF THIS WORK. DAMAGED ITEMS SHALL BE REPLACED IN KIND AND AT NO ADDITIONAL COST TO THE OWNER.

FIBER REINFORCED POLYMER (FRP) SHEET PILING

1. SHEET PILE MATERIAL SHALL BE EVERLAST EVERCOMP 26.1, 8"DEEP, AS PROVIDED BY EVERLAST SYNTHETIC PRODUCTS, LLC
- a. AN APPROVED EQUAL MAY BE USED
- b. DESIGN IS BASED ON SHEET PILE PROPERTIES AS INDICATED BELOW. APPROVED EQUAL MUST MEET OR EXCEED THESE PROPERTIES.
- c. EVERCOMP 26.1 PROPERTIES:
- a. FLEXURAL STRESS:
- i. ULTIMATE: 90,000 PSI (ALONG LENGTH OF PILE)
- ii. ULTIMATE: 29,000 PSI (ALONG WIDTH OF PILE)
- iii. ALLOWABLE: 25,000 PSI (ALONG LENGTH OF PILE)
- iv. MODULUS OF ELASTICITY: 3,500,000 PSI (ALONG LENGTH OF PILE)
- v. MODULUS OF ELASTICITY: 1,900,000 PSI (ALONG WIDTH OF PILE)
- vi. MAX ALLOWABLE MOMENT: 27,000 LB-FT/FT
- b. TENSILE STRESS:
- i. ULTIMATE: 77,000 PSI (ALONG LENGTH OF PILE)
- ii. ULTIMATE: 9,000 PSI (ALONG WIDTH OF PILE)
- iii. ALLOWABLE: 25,000 PSI (ALONG LENGTH OF PILE)
- iv. MODULUS OF ELASTICITY: 5,000,000 PSI (ALONG LENGTH OF PILE)
- v. MODULUS OF ELASTICITY: 3,200,000 PSI (ALONG WIDTH OF PILE)
- c. SHEAR STRESS:
- i. ULTIMATE: 5,500 PSI (ALONG LENGTH OF PILE)
- ii. ULTIMATE: 5,400 PSI (ALONG WIDTH OF PILE)
- iii. ALLOWABLE: 2,200 PSI (ALONG LENGTH OF PILE)
- d. SECTION PROPERTIES:
- i. WIDTH: 18"
- ii. DEPTH: 8"
- iii. THICKNESS: 0.25"
- iv. SECTION MODULUS: 13 IN^3/FT
- v. MOMENT OF INERTIA: 52 IN^4/FT
- vi. RADIUS OF GYRATION: 3.29"
- vii. AREA OF WEB: 2.3 IN^2

2. MATERIALS:
- a. POLYMER (RESIN) -THE RESIN FOR THE FRP SHEET PILE SHALL EITHER BE POLYESTER OR VINYL ESTER. RESIN SHALL CONTAIN U.V. STABILIZERS TO PROVIDE SUFFICIENT RESISTANCE TO ULTRA VIOLET LIGHT DEGRADATION. NO OTHER RESINS WILL BE ACCEPTED FOR USE ON THIS PROJECT.
- b. REINFORCEMENT -THE GLASS REINFORCEMENT SHALL BE IN THE FORM OF CONTINUOUS ROVING, WOVEN ROVING OR STICHED FABRICS, AND SURFACE MATTING.
- c. THE FRP SHEET PILE SHALL BE Z-SHAPED WITH A BALL AND SOCKET INTERLOCK AND MEETING THE DIMENSIONAL TOLERANCES AS INDICATED.
- d. THE FRP SHEET PILE SHALL BE MANUFACTURED USING THE PULTRUSION PROCESS.
3. INSTALLATION:
- a. FRP SHEET PILE SHALL BE INSTALLED USING TRADITIONAL DRIVING METHODS INCLUDING VIBRATORY HAMMERS, IMPACT HAMMERS OR WATER JETS. CONTRACTOR SHALL CONTACT MANUFACTURER FOR SPECIFIC HAMMER RECOMMENDATIONS AND IS RESPONSIBLE FOR EMPLOYING THE CORRECT INSTALLATION METHOD. ANY COSTS ASSOCIATED WITH USING THE INCORRECT HAMMER METHOD IS THE RESPONSIBILITY OF THE CONTRACTOR.
- b. THE FRP SHEET PILE CAN BE CUT USING CARBIDE EDGED MASONRY BLADES AND DRILLED WITH CARBIDE OR COBALT TIPPER BITS.
- c. IF DAMAGED, THE FRP SHEET PILE MAY BE REPAIRS AS PER THE MANUFACTURER'S RECOMMENDATIONS.

CONCRETE

1. COMPLY WITH THE FOLLOWING CODES AND STANDARDS:
ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"
ACI 305, ACI 306, ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
ACI DETAILING MANUAL (ACI SP-66-04)
ACI 347 "RECOMMENDED PRACTICE FOR CONCRETE FORM WORK"
CONCRETE REINFORCING STEEL INSTITUTE (CRSI), "MANUAL OF STANDARD PRACTICE"
ACI 304 "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE"
2. CONCRETE STRENGTH:
ALL CONCRETE -COQUINA MIX f'c = 5000 psi
- MAX WATER/CEMENT RATIO 0.40
AIR CONTENT (%) N/A
3. MIX DESIGN REQUIREMENTS:
1. PREPARE DESIGN MIXES FOR EACH TYPE AND STRENGTH OF CONCRETE BY EITHER LABORATORY TRIAL BATCH OR FIELD EXPERIENCE METHODS AS SPECIFIED IN ACI 318/ACI 301.
2. CONCRETE SHALL BE READY MIXED PER ASTM C94. JOBSITE MIXING SHALL NOT BE PERMITTED.
2. MAXIMUM NOMINAL AGGREGATE SIZE IS ¾".
3. CONCRETE MIX SHALL INCORPORATE COQUINA COARSE AGGREGATE AND SHALL BE DESIGNED TO WITHSTAND HARSH CORROSIVE/MARINE ENVIRONMENT (ACI 318 -CONCRETE EXPOSURE LEVEL "C2")
4. MATERIALS:
1. REINFORCING BARS - ASTM A 615 GRADE 60, DEFORMED
2. PORTLAND CEMENT - ASTM C150, TYPE V (LESS THAN 5% C3A CONTENT)
3. AGGREGATE - ASTM C33
COQUINA AGGREGATE
4. PROHIBITED ADMIXTURES -CALCIUM CHLORIDE THYOCYANATES OR ADMIXTURES CONTAINING MORE THAN 0.1% CHLORIDA IONS ARE NOT PERMITTED.
5. CONCRETE FINISH:
1. SURFACES EXPOSED TO PUBLIC VIEW: SMOOTH FORM FINISH
2. SURFACES NOT EXPOSED TO PUBLIC VIEW: ROUGH FORM FINISH
- SMOOTH FORM FINISH MUST HAVE FINS REMOVED AND A SMOOTH RUBBED FINISH APPLICATION. REFER TO ACI 301 FOR ALL OTHER FINISH DESIGNATION REQUIREMENTS.
6. REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI SP-66-04. DEVELOPMENT AND SPLICE LENGTHS ARE IN TENSION UNLESS OTHERWISE INDICATED. TENSION LAP SPLICES SHALL BE AS TABULATED IN THE SPLICE LENGTH TABLE BELOW. UNLESS OTHERWISE INDICATED.
- | | | | | | | | | | | |
|-----------|------------|----|----|----|----|----|----|----|-----|-----|
| f'c (psi) | BAR TYPE | #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 | #11 |
| 5000 | TOP BARS | 22 | 29 | 36 | 44 | 63 | 72 | 81 | 90 | 99 |
| 5000 | OTHER BARS | 17 | 23 | 28 | 34 | 49 | 56 | 63 | 69 | 76 |
- TOP BARS ARE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
7. CONTINUOUS REINFORCING IN WALLS AND SLABS MAY BE SPLICED, AS REQUIRED, PROVIDING BARS ARE OF THE LONGEST PRACTICABLE LENGTH AND SPLICES ARE SHOWN ON REINFORCING SHOP DRAWINGS. WHEREVER POSSIBLE, SPLICES SHALL BE STAGGERED. FIELD CUTTING OF REINFORCEMENT WILL NOT BE PERMITTED.
8. PROVIDE CONCRETE COVER FOR REINFORCING AS FOLLOWS, U.N.O.:
- ALL REINFORCING, MIN COVER: 3"
9. PROVIDE DOWELS TO MATCH REINFORCEMENT SIZE AND SPACING INDICATED FOR ALL STRUCTURAL ELEMENTS, UNLESS OTHERWISE INDICATED.
10. MAJOR CONSTRUCTION JOINTS ARE SHOWN ON THE DRAWINGS. INTERMEDIATE JOINTS IN WALLS AND SLABS ARE NOT SHOWN. CONSTRUCTION JOINTS MAY BE ADDED, OMITTED OR RELOCATED IF PROPERLY DETAILED ON SHOP DRAWINGS AND APPROVED BY THE OWNER'S REPRESENTATIVE.
11. PLACING OF REINFORCEMENT: PROVIDE CHAIRS, BOLSTERS, ADDITIONAL REINFORCEMENT, AND ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITION SHOWN ON DRAWINGS. SUPPORT OF REINFORCEMENT ON FORM TIES, WOOD, BRICK, BRICKBAT OR OTHER UNACCEPTABLE MATERIAL, WILL NOT BE PERMITTED.
12. THE CONTRACTOR SHALL REVIEW ALL DRAWINGS FOR SIZE AND LOCATION OF ALL EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, OPENINGS, ETC. REQUIRED BY OTHER TRADES. RECONCILE THEIR EXACT SIZES AND LOCATIONS BEFORE PROCEEDING WITH THE WORK. ALL ITEMS SHALL BE FURNISHED AND INSTALLED PRIOR TO PLACEMENT OF CONCRETE. SECURE THE APPROVAL OF THE OWNER'S REPRESENTATIVE PRIOR TO PLACING OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
13. PROVIDE CONTROL JOINTS IN CAST-IN-PLACE CONCRETE SLABS-ON-GRADE AT 12 FEET O.C. MAX. LOCATE CONTROL JOINTS TO FORM APPROXIMATE SQUARE PANELS WITH THE LENGTH OF ONE SIDE NOT EXCEEDING THE ADJACENT SIDE BY A FACTOR OF 1.5. CONTROL JOINTS MAY BE CONTRACTION JOINTS, CONSTRUCTION JOINTS, OR EXPANSION JOINTS.
14. CHAMFER EDGES OF PERMANENTLY EXPOSED CONCRETE SURFACES 3/4-INCH, UNO.
15. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHEN IT IS SAFE TO REMOVE FORMS AND/OR SHORING. FORMS AND SHORING MUST NOT BE REMOVED UNTIL THE CONCRETE IS STRONG ENOUGH TO CARRY ITS OWN WEIGHT AND ANY ANTICIPATED SUPERIMPOSED LOADS. WHEN FORMS ARE STRIPPED THERE MUST BE NO EXCESSIVE DEFLECTION, DISTORTION, DISCOLORATION, AND NO EVIDENCE OF DAMAGE TO THE CONCRETE.

WOOD

1. FRAMING LUMBER SHALL BE AS FOLLOWS:
- ALL LUMBER (U.N.O.): SOUTHERN PINE, MARINE GRADE
BULKHEAD SHEETING: SOUTHER PINE, SEAWALL GRADE
2. LUMBER: NOMINAL SIZES ARE INDICATED, EXCEPT AS SHOWN BY DETAIL DIMENSIONS. PROVIDE DRESSED LUMBER, S4S, UNLESS NOTED OTHERWISE. BULKHEAD SHEETING LUMBER SHALL BE PROVIDED WITH SLOPPY V -T&G OR SQUARE T&G PROFILES. PROVIDE LUMBER WITH 19 PERCENT MOISTURE CONTENT, KILN DRIED AFTER TREATMENT (KDAT). TIMBERS GREATER THAN 5"IN THICKNESS MUST BE LESS THAN 25 PERCENT MOISTURE CONTENT, KDAT.
3. ALL LUMBER SHALL BE PRESSURE PRESERVATIVE TREATED AS FOLLOWS:
- AWPA U1 - USE CATEGORY -UC5C: MARINE USE, SOUTHERN WATERS
- ALL FIELD CUTS TO LUMBER/TIMBERS MUST BE COATED/DIPPED/BRUSHED WITH COPPER NAPHTHENATE PRIOR TO INSTALLATION, IN ACCORDANCE WITH AWPA STANDARD M4
4. WHERE NOT OTHERWISE SHOWN ON PLANS, ALL NAILING OR SCREWING SHALL BE AS INDICATED IN THE BUILDING CODE. ALL SHEATHING MUST BE NAILED. ADHESIVES SHALL NOT BE USED IN PLACE OF NAILING.
5. ALL FASTENERS USED SHALL BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL.
6. METAL CONNECTORS TO BE PROVIDED BY 'SIMPSON STRONG-TIE' OR EQUIVALENT.
- SPECIAL INSPECTIONS
1. SPECIAL INSPECTIONS WILL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE CHAPTER 17.
2. OWNER, OR ARCHITECT/STRUCTURAL ENGINEER OF RECORD ACTING AS THE OWNER'S AGENT, SHALL DIRECTLY EMPLOY AND PAY FOR SERVICES OF THE SPECIAL INSPECTORS TO PERFORM REQUIRED SPECIAL INSPECTIONS.
3. THE FOLLOWING GENERAL TYPES OF WORK REQUIRE SPECIAL INSPECTION: REFER TO FLORIDA BUILDING CODE CHAPTER 17 FOR DETAILED INSPECTION REQUIREMENTS

FOUNDATIONS/PILING
CONCRETE
REINFORCING STEEL
FORMWORK
POST-INSTALLED CONCRETE ANCHORS

PA

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Client:



City of Fernandina Beach
204 Ash St.
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Certificate of Authorization # 3428
Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredestage

Revisions

No.	Date	By	Description

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STRUCTURAL
NOTES

Amelia River Waterfront
Stabilization
Parking Lots C & D

Town/City: Fernandina Beach
County: Nassau State: Florida

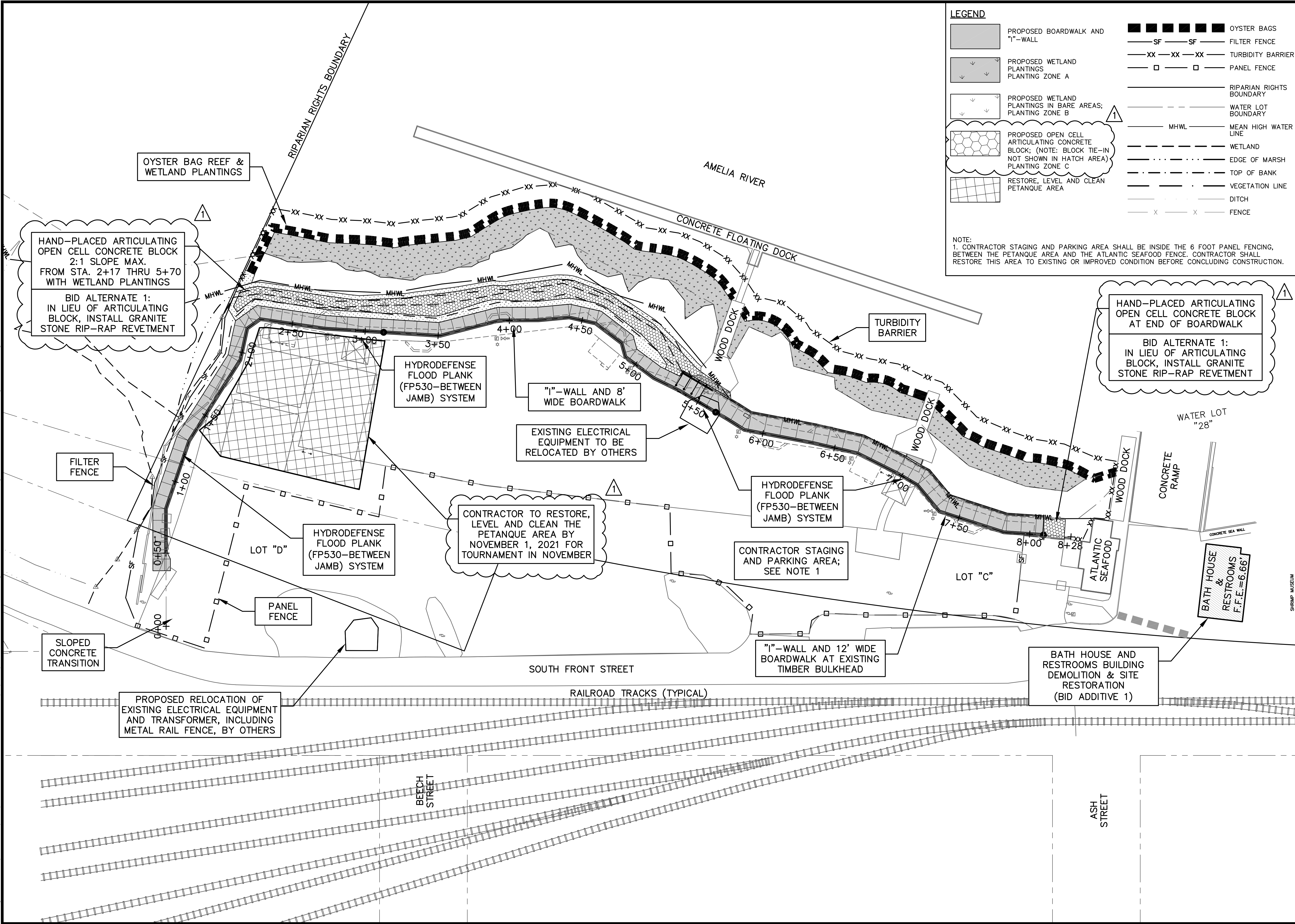
Project No.
99000047.0095

Drawing No.

G1-5

Date
May 20, 2021

Drawing name: F:\PASSERO\FHB 99000047.0095 FHB Waterfront\Airport\G2-01_OVERALL-PLAN.dwg G2-01_PROJ-LAYO May 20, 2021 11:51am by: ERedesteg



LEGEND

	PROPOSED BOARDWALK AND "1"-WALL		OYSTER BAGS
	PROPOSED WETLAND PLANTINGS PLANTING ZONE A		FILTER FENCE
	PROPOSED WETLAND PLANTINGS IN BARE AREAS; PLANTING ZONE B		TURBIDITY BARRIER
	PROPOSED OPEN CELL ARTICULATING CONCRETE BLOCK; (NOTE: BLOCK TIE-IN NOT SHOWN IN HATCH AREA) PLANTING ZONE C		PANEL FENCE
	RESTORE, LEVEL AND CLEAN PETANQUE AREA		RIPARIAN RIGHTS BOUNDARY
			WATER LOT BOUNDARY
			MEAN HIGH WATER LINE
			WETLAND
			EDGE OF MARSH
			TOP OF BANK
			VEGETATION LINE
			DITCH
			FENCE

NOTE:
1. CONTRACTOR STAGING AND PARKING AREA SHALL BE INSIDE THE 6 FOOT PANEL FENCING, BETWEEN THE PETANQUE AREA AND THE ATLANTIC SEAFOOD FENCE. CONTRACTOR SHALL RESTORE THIS AREA TO EXISTING OR IMPROVED CONDITION BEFORE CONCLUDING CONSTRUCTION.

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Principal-in-Charge: Andrew M. Holesko, C.M.
Project Manager: Christopher Nardone, AIA
Designed by: Emily Bredestege

Revisions

No.	Date	By	Description
1	5/22/21	EME	ADDENDUM #1

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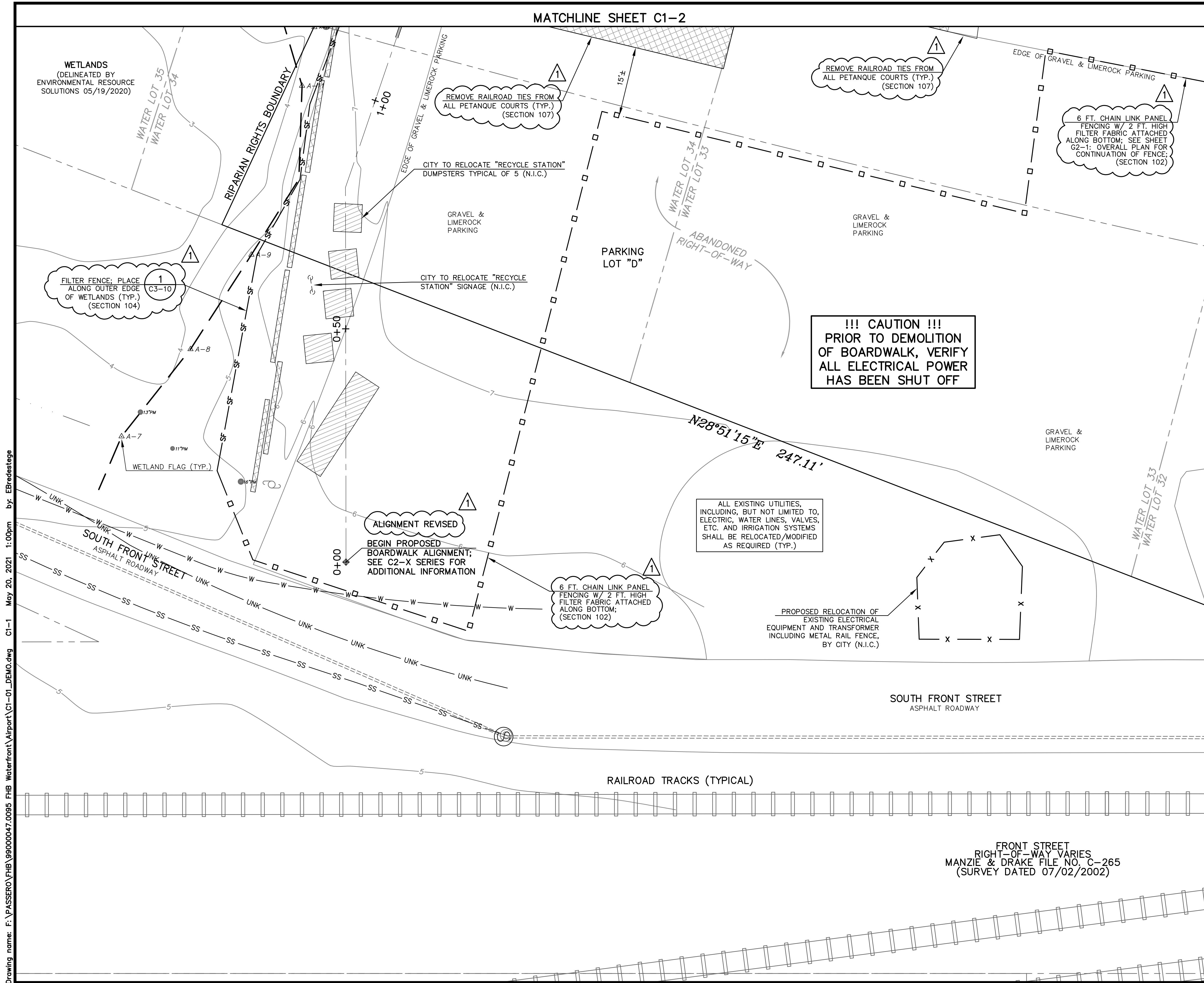
OVERALL PLAN

Amelia River Waterfront Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida

Project No.
99000047.0095

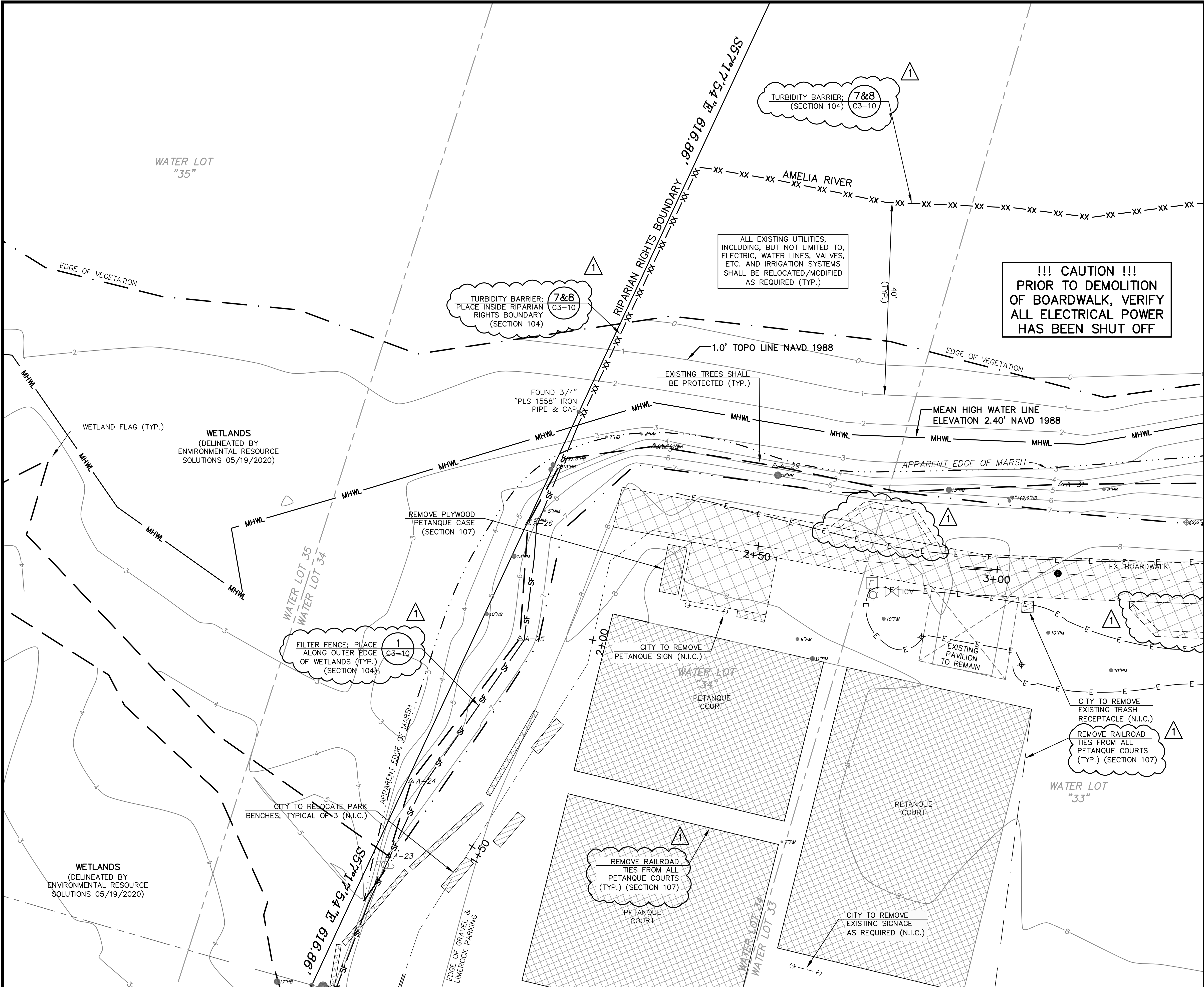
Drawing No.
G2-1

Date
May 20, 2021



LEGEND REMOVE EX. TIMBER BOARDWALK; DECK BOARDS & JOISTS; CONCRETE PADS & SUPPORTS; RAILINGS & POSTS; BENCHES; INCLUDING ELECTRICAL CONDUITS, JUNCTION BOXES, WIRES & LIGHT FIXTURES AS REQUIRED TO PREPARE FOR NEW WORK; ITEM 02-41-00 REMOVE EXST. OBJECTS AS IDENTIFIED; (SECTION 107) CITY TO REMOVE (N.I.C.) — SF — SF — FILTER FENCE — XX — XX — XX — TURBIDITY BARRIER □ □ CHAIN LINK PANEL FENCING; 2' HIGH FILTER FABRIC ATTACHED ALONG BOTTOM; INCLUDE ———— RIPARIAN RIGHTS BOUNDARY ----- WATER LOT BOUNDARY ———— MHWL ——— MEAN HIGH WATER LINE ———— WETLANDS LIMITS EDGE OF MARSH TOP OF BANK VEGETATION LINE ———— DITCH — X — X — FENCE ~~~~~ 1 ~~~~~ EXISTING CONTOUR (1' INTERVALS)	 PASSERO ASSOCIATES engineering architecture www.passero.com TRC SET SCALE Stamp: _____ Client: _____ City of Fernandina Beach 204 Ash St. Fernandina Beach, Florida, 32034 Passero Associates 4730 Casa Cola Way, Suite 200 (904) 757-6100 St. Augustine, FL 32095 Fax: (904) 757-6100 Certificate of Authorization # 3428 Principal-in-Charge Andrew M. Holesko, C.M. Project Manager Christopher Nardone, AIA Designed by Emily Bredestegard <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"><thead><tr><th colspan="4" style="text-align: center;">Revisions</th></tr><tr><th style="width: 10%;">No.</th><th style="width: 15%;">Date</th><th style="width: 10%;">By</th><th style="width: 75%;">Description</th></tr></thead><tbody><tr><td style="text-align: center;">1</td><td style="text-align: center;">5/22/21</td><td style="text-align: center;">EM</td><td>ADDENDUM #1</td></tr></tbody></table> UNAUTHORIZED USE OF THESE DRAWINGS IS IN VIOLATION OF FLORIDA ADMINISTRATIVE CODE 61G15-27.001 AND FLORIDA STATUTES 471.02(3)(1). THESE PLANS ARE COPYRIGHT PROTECTED © DEMOLITION PLAN Amelia River Waterfront Stabilization Parking Lots C & D Town/City: Fernandina Beach County: Nassau State: Florida Project No. 99000047.0095 Drawing No. C1-1 Date May 20, 2021	Revisions				No.	Date	By	Description	1	5/22/21	EM	ADDENDUM #1
Revisions													
No.	Date	By	Description										
1	5/22/21	EM	ADDENDUM #1										

Drawing name: F:\PASSERO\FHB 99000047.0095 FHB Waterfront\Airport\C1-01_DEMO.dwg C1-2 May 20, 2021 1:00pm by: EBredestage



- LEGEND**
- REMOVE EX. TIMBER BOARDWALK; DECK BOARDS & JOISTS; CONCRETE PADS & SUPPORTS; RAILINGS & POSTS; BENCHES; INCLUDING ELECTRICAL CONDUITS, JUNCTION BOXES, WIRES & LIGHT FIXTURES AS REQUIRED TO PREPARE FOR NEW WORK; ITEM 02-41-00
 - REMOVE EXST. OBJECTS AS IDENTIFIED; (SECTION 107)
 - CITY TO REMOVE (N.I.C.)
 - SF FILTER FENCE
 - XX XX TURBIDITY BARRIER
 - CHAIN LINK PANEL FENCING; 2' HIGH FILTER FABRIC ATTACHED ALONG BOTTOM; INCLUDE
 - RIPARIAN RIGHTS BOUNDARY
 - WATER LOT BOUNDARY
 - MHWL MEAN HIGH WATER LINE
 - WETLANDS LIMITS
 - EDGE OF MARSH
 - TOP OF BANK
 - VEGETATION LINE
 - DITCH
 - X X FENCE
 - EXISTING CONTOUR (1' INTERVALS)

- NOTES:**
- CAUTION! PRIOR TO DEMOLITION OF BOARDWALK, VERIFY ALL ELECTRICAL POWER HAS BEEN SHUT OFF.
 - THE LOCATION OF EXISTING UNDERGROUND STRUCTURES, UTILITIES, CABLES AND FOUNDATIONS AS SHOWN ON THE DRAWINGS ARE TO BE CONSIDERED AS GENERAL LOCATION ONLY AND MAY NOT INCLUDE ALL UNDERGROUND ITEMS THAT MAY BE ENCOUNTERED. THE LOCATION OR DEPTH SHOWN FOR UNDERGROUND ITEMS SHOULD ONLY BE CONSIDERED AS A GUIDE TO THE GENERAL AREA IN WHICH AN ITEM IS LOCATED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE UNDERGROUND ITEMS BEFORE ANY WORK IS PERFORMED IN THE AREA THAT COULD DAMAGE SAME. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER PRIOR TO EXCAVATING IN ANY AREA.
 - ALL EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE THE START OF CONSTRUCTION ACTIVITIES AND SHALL REMAIN IN PLACE THROUGHOUT CONSTRUCTION. (SECTION 104).
 - MAINTENANCE AND PROTECTION OF TRAFFIC WORK ITEMS, INCLUDING CHAIN LINK PANEL FENCING WITH 2 FT. HIGH FILTER. (SECTION 102).
 - ALL EXISTING UTILITIES, INCLUDING, BUT NOT LIMITED TO, ELECTRIC, WATER LINES, VALVES, ETC. AND IRRIGATION SYSTEMS SHALL BE RELOCATED/MODIFIED AS REQUIRED (TYP.).
 - REMOVE ALL TRASH AND DEBRIS ALONG EDGE OF PARKING LOT "D" AND WETLANDS AS REQUIRED (TYP.). (SECTION 107).
 - REMOVE EXISTING TIMBER POLES; RAILROAD TIES; TRASH DEBRIS; DEAD BRANCHES AND ROOTS; INVASIVE PLANT SPECIES; BRUSHES AND TREES WITH 2" DIA. OR LESS; WITHIN THE CONSTRUCTION WORK LIMITS. (SECTION 107).
 - PROTECT ALL DECIDUOUS, EVERGREEN AND PALM TREES AS REQUIRED FROM DAMAGE DURING CONSTRUCTION. (SECTION 110).
 - SELECTIVE DEMOLITION OF EXISTING PRESSURE TREATED TIMBER DOCK AS REQUIRED TO INSTALL REMAINING TIMBER BULKHEAD PROVIDE SLOPE PER ADA AS REQUIRED FROM PROPOSED CONCRETE BOARDWALK AND EXISTING WOOD DOCK SURFACE; REPLACE IN KIND TO MATCH EXISTING INCLUDING GUARDRAIL. PROVIDE SHORING OF ELEMENTS TO REMAIN.
 - REMOVE PORTION OF EXISTING TIMBER DOCK AS REQUIRED TO INSTALL REMAINING TIMBER BULKHEAD EXTENSION AND ARTICULATED CONCRETE BLOCK.
 - CONTRACTOR TO RESTORE, LEVEL AND CLEAN LIME ROCK WITHIN THE PETANQUE AREA BY NOVEMBER 1, 2021 FOR TOURNAMENT IN NOVEMBER.
 - CONTRACTOR TO RESTORE, LEVEL AND CLEAN ALL GRASS AREAS; LAWN SEED/SOD WITHIN STAGING AREA.
 - CONTRACTOR TO RESTORE, LEVEL AND CLEAN ALL PARKING AREAS; LIME ROCK WITHIN STAGING AREA.
 - LIMITS OF WORK DEFINED BY TURBIDITY BARRIER, SILT FENCE AND PANEL FENCE.

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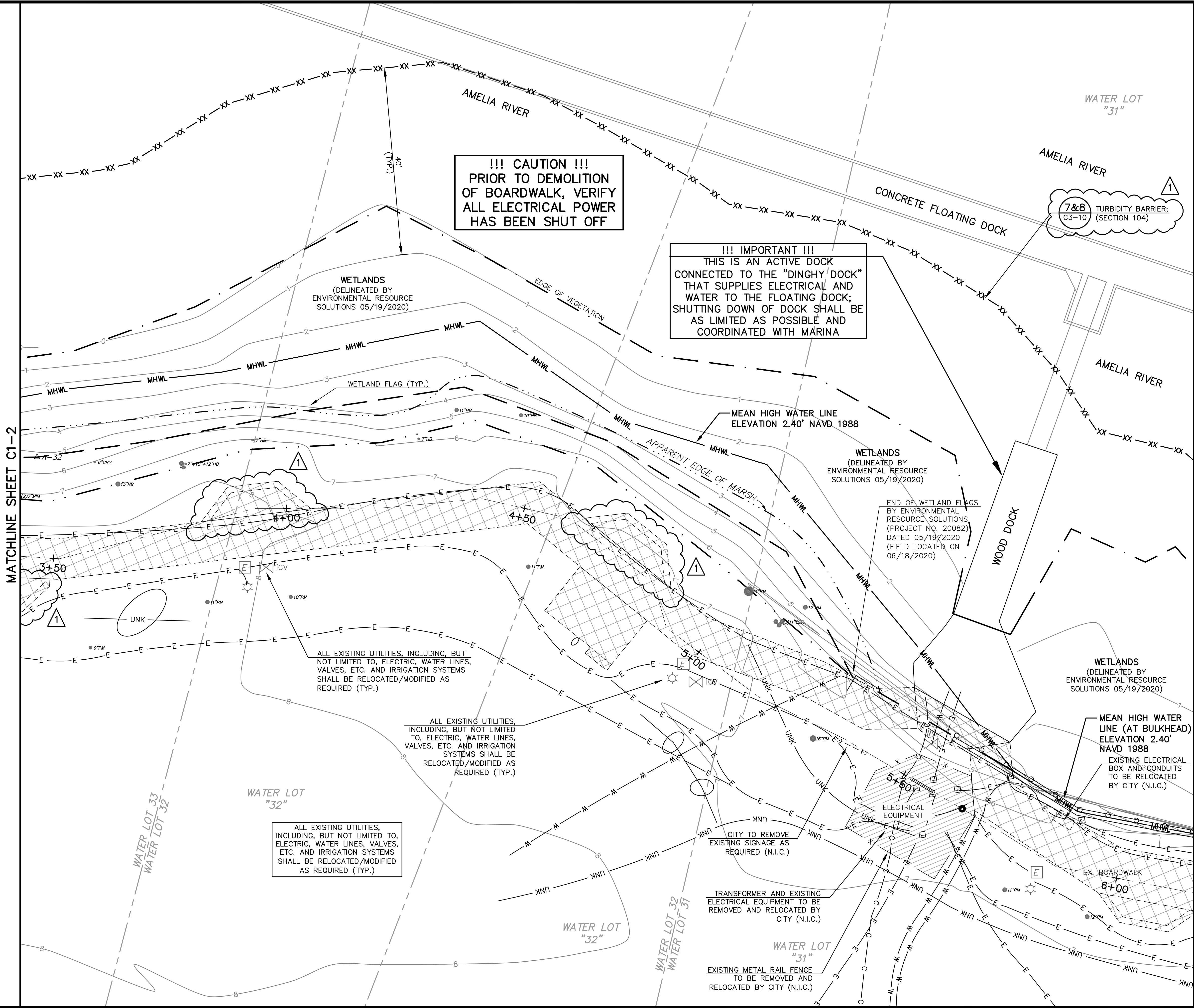
Revisions			
No.	Date	By	Description
1	5/22/21	EM	ADDENDUM #1

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DEMOLITION PLAN

Amelia River Waterfront Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida
Project No. 99000047.0095
Drawing No. **C1-2**
Date May 20, 2021

Drawing name: F:\PASSERO\FHB 99000047.0095 FHB Waterfront\Airport\C1-01_DEMO.dwg C1-3 May 20, 2021 1:00pm by: EBredestage



LEGEND

REMOVE EX. TIMBER BOARDWALK; DECK BOARDS & JOISTS; CONCRETE PADS & SUPPORTS; RAILINGS & POSTS; BENCHES; INCLUDING ELECTRICAL CONDUITS, JUNCTION BOXES, WIRES & LIGHT FIXTURES AS REQUIRED TO PREPARE FOR NEW WORK; ITEM 02-41-00

REMOVE EXST. OBJECTS AS IDENTIFIED; (SECTION 107)

CITY TO REMOVE (N.I.C.)

SF SF FILTER FENCE

XX XX TURBIDITY BARRIER

CHAIN LINK PANEL FENCING; 2' HIGH FILTER FABRIC ATTACHED ALONG BOTTOM; INCLUDE

RIPARIAN RIGHTS BOUNDARY

WATER LOT BOUNDARY

MHWL MEAN HIGH WATER LINE

WETLANDS LIMITS

EDGE OF MARSH

TOP OF BANK

VEGETATION LINE

DITCH

FENCE

EXISTING CONTOUR (1' INTERVALS)

NOTES:
1. CAUTION! PRIOR TO DEMOLITION OF BOARDWALK, VERIFY ALL ELECTRICAL POWER HAS BEEN SHUT OFF.

2. THE LOCATION OF EXISTING UNDERGROUND STRUCTURES, UTILITIES, CABLES AND FOUNDATIONS AS SHOWN ON THE DRAWINGS ARE TO BE CONSIDERED AS GENERAL LOCATION ONLY AND MAY NOT INCLUDE ALL UNDERGROUND ITEMS THAT MAY BE ENCOUNTERED. THE LOCATION OR DEPTH SHOWN FOR UNDERGROUND ITEMS SHOULD ONLY BE CONSIDERED AS A GUIDE TO THE GENERAL AREA IN WHICH AN ITEM IS LOCATED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE UNDERGROUND ITEMS BEFORE ANY WORK IS PERFORMED IN THE AREA THAT COULD DAMAGE SAME. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER PRIOR TO EXCAVATING IN ANY AREA.

3. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE THE START OF CONSTRUCTION ACTIVITIES AND SHALL REMAIN IN PLACE THROUGHOUT CONSTRUCTION. (SECTION 104).

4. MAINTENANCE AND PROTECTION OF TRAFFIC WORK ITEMS, INCLUDING CHAIN LINK PANEL FENCING WITH 2 FT. HIGH FILTER. (SECTION 102).

5. ALL EXISTING UTILITIES, INCLUDING, BUT NOT LIMITED TO, ELECTRIC, WATER LINES, VALVES, ETC. AND IRRIGATION SYSTEMS SHALL BE RELOCATED/MODIFIED AS REQUIRED (TYP.).

6. REMOVE ALL TRASH AND DEBRIS ALONG EDGE OF PARKING LOT "D" AND WETLANDS AS REQUIRED (TYP.). (SECTION 107).

7. REMOVE EXISTING TIMBER POLES; RAILROAD TIES; TRASH DEBRIS; DEAD BRANCHES AND ROOTS; INVASIVE PLANT SPECIES; BRUSHES AND TREES WITH 2" DIA. OR LESS; WITHIN THE CONSTRUCTION WORK LIMITS. (SECTION 107).

8. PROTECT ALL DECIDUOUS, EVERGREEN AND PALM TREES AS REQUIRED FROM DAMAGE DURING CONSTRUCTION. (SECTION 110).

9. SELECTIVE DEMOLITION OF EXISTING PRESSURE TREATED TIMBER DOCK AS REQUIRED TO INSTALL REMAINING TIMBER BULKHEAD PROVIDE SLOPE PER ADA AS REQUIRED FROM PROPOSED CONCRETE BOARDWALK AND EXISTING WOOD DOCK SURFACE; REPLACE IN KIND TO MATCH EXISTING INCLUDING GUARDRAIL. PROVIDE SHORING OF ELEMENTS TO REMAIN.

10. REMOVE PORTION OF EXISTING TIMBER DOCK AS REQUIRED TO INSTALL REMAINING TIMBER BULKHEAD EXTENSION AND ARTICULATED CONCRETE BLOCK.

11. CONTRACTOR TO RESTORE, LEVEL AND CLEAN LIME ROCK WITHIN THE PETANQUE AREA BY NOVEMBER 1, 2021 FOR TOURNAMENT IN NOVEMBER.

12. CONTRACTOR TO RESTORE, LEVEL AND CLEAN ALL GRASS AREAS; LAWN SEED/SOD WITHIN STAGING AREA.

13. CONTRACTOR TO RESTORE, LEVEL AND CLEAN ALL PARKING AREAS; LIME ROCK WITHIN STAGING AREA.

14. LIMITS OF WORK DEFINED BY TURBIDITY BARRIER, SILT FENCE AND PANEL FENCE.

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Client:

CITY OF FERNANDINA BEACH
FLORIDA

City of Fernandina Beach
204 Ash St.
Fernandina Beach, Florida, 32034

Passero Associates
4730 Casa Cola Way, Suite 200 (904) 757-6106
St. Augustine, FL 32095 Fax: (904) 757-6107
Certificate of Authorization # 3428
Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredestage

Revisions

No.	Date	By	Description
1	5/22/21	EME	ADDENDUM #1

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DEMOLITION PLAN

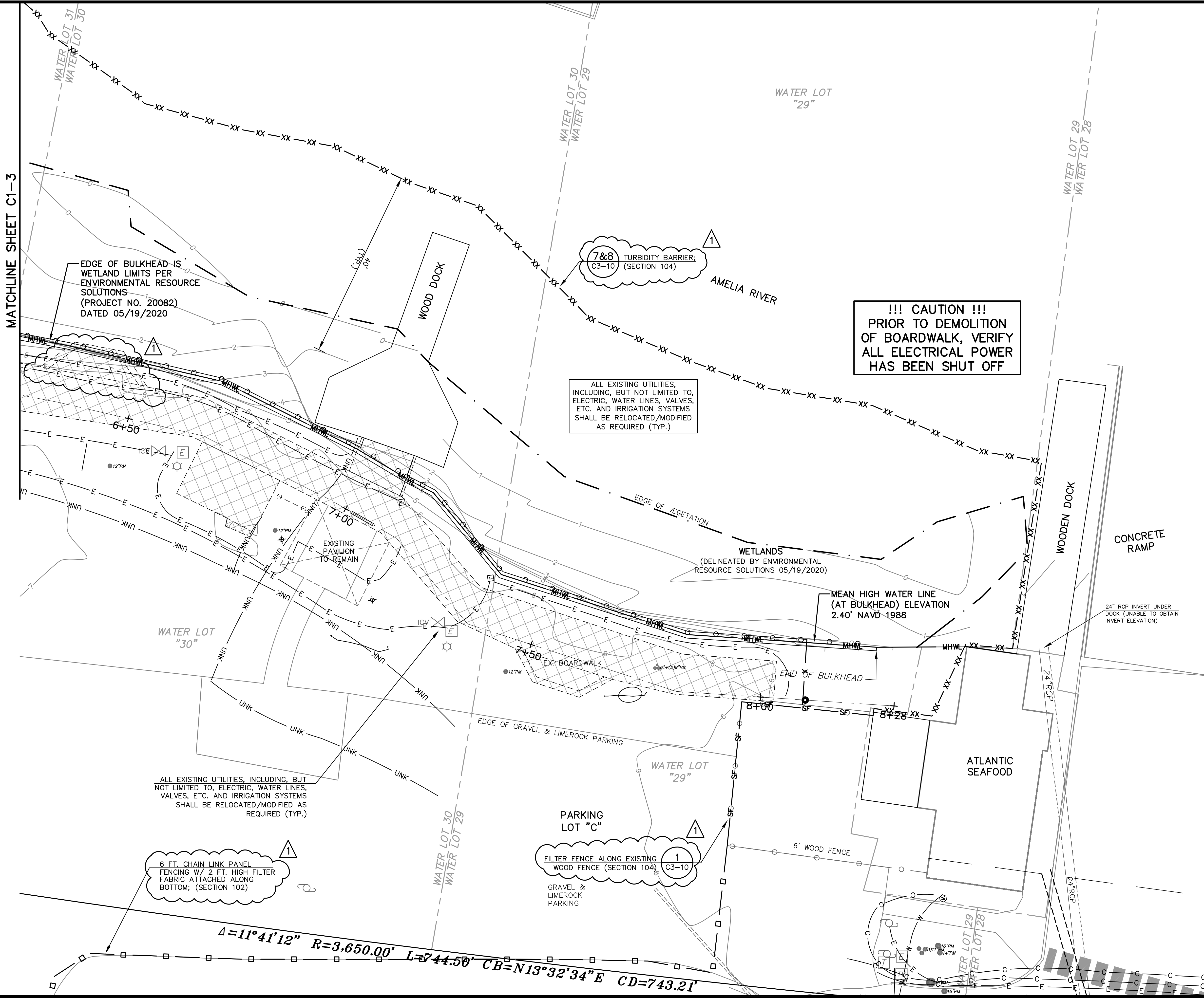
Amelia River Waterfront Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida

Project No.
99000047.0095

Drawing No.
C1-3

Date
May 20, 2021

MATCHLINE SHEET C1-3



- LEGEND**
- REMOVE EX. TIMBER BOARDWALK; DECK BOARDS & JOISTS; CONCRETE PADS & SUPPORTS; RAILINGS & POSTS; BENCHES; INCLUDING ELECTRICAL CONDUITS, JUNCTION BOXES, WIRES & LIGHT FIXTURES AS REQUIRED TO PREPARE FOR NEW WORK; ITEM 02-41-00
 - REMOVE EXST. OBJECTS AS IDENTIFIED; (SECTION 107)
 - CITY TO REMOVE (N.I.C.)
 - SF FILTER FENCE
 - XX XX XX TURBIDITY BARRIER
 - CHAIN LINK PANEL FENCING; 2' HIGH FILTER FABRIC ATTACHED ALONG BOTTOM; INCLUDE
 - RIPARIAN RIGHTS BOUNDARY
 - WATER LOT BOUNDARY
 - MHWL MEAN HIGH WATER LINE
 - WETLANDS LIMITS
 - EDGE OF MARSH
 - TOP OF BANK
 - VEGETATION LINE
 - DITCH
 - FENCE
 - EXISTING CONTOUR (1' INTERVALS)

NOTES:
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14. LIMITS OF WORK DEFINED BY TURBIDITY BARRIER, SILT FENCE AND PANEL FENCE.

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Client:

City of Fernandina Beach
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Passero Associates
4730 Casa Cola Way, Suite 200 St. Augustine, FL 32095
(904) 757-6106 Fax: (904) 757-6107
Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredeste

Revisions

No.	Date	By	Description
1	5/22/21	EM	ADDENDUM #1

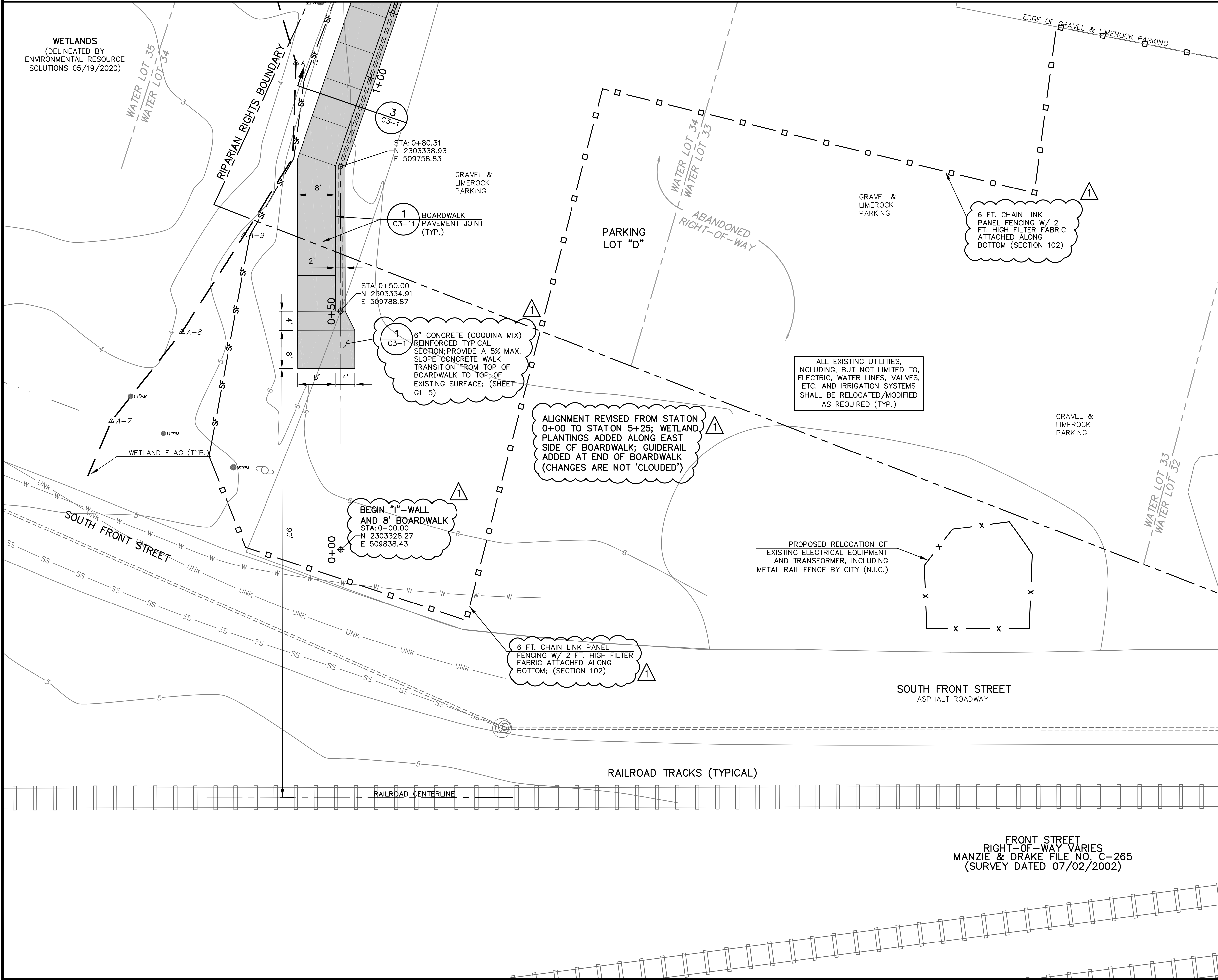
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DEMOLITION PLAN

Amelia River Waterfront Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida
Project No. 99000047.0095
Drawing No. **C1-4**
Date May 20, 2021

Drawing name: F:\PASSERO\FHB\99000047.0095 FHB Waterfront\Airport\C2-01_PLAN.dwg C2-1 May 20, 2021 12:59pm by: ERedesteste

MATCHLINE SHEET C2-2



LEGEND

- PROPOSED BOARDWALK AND "I"-WALL C3-1
- PROPOSED WETLAND PLANTINGS; SEE NOTE 6 BELOW; PLANTING ZONE A
- PROPOSED WETLAND PLANTINGS; SEE NOTE 7 BELOW; PLANTING ZONE B
- PROPOSED OPEN CELL ARTICULATING CONCRETE BLOCK W/ WETLAND PLANTINGS; (NOTE: BLOCK TIE-IN NOT SHOWN IN HATCH AREA) PLANTING ZONE C
- OYSTER BAGS
- SILT FENCE
- STAKED TURBIDITY BARRIER
- 6 FT. CHAIN LINK PANEL FENCING W/ 2 FT. HIGH FILTER FABRIC ATTACHED ALONG BOTTOM
- RIPARIAN RIGHTS BOUNDARY
- WATER LOT BOUNDARY
- MHWL
- MEAN HIGH WATER LINE
- WETLANDS LIMITS
- EDGE OF MARSH
- TOP OF BANK
- VEGETATION LINE
- DITCH
- FENCE
- EXISTING CONTOUR (1' INTERVALS)

NOTES

- SEE SHEET G1-5 FOR STRUCTURAL GENERAL NOTES.
- BOARDWALK EDGE SHALL BE ONE FOOT MINIMUM FROM WETLANDS BOUNDARY.
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- OYSTER BAG REEF: CONTRACTOR SHALL PROVIDE A 5 FOOT GAP EVERY 75 LINEAR FEET MAX. APPROXIMATE PREFERRED GAP LOCATIONS SHOWN ON PLANS.
- PROPOSED WETLAND PLANTINGS: CONTRACTOR SHALL PROVIDE WETLAND PLANTINGS, INCLUDING ERODED BARE AREAS AS REQUIRED FOR A UNIFORMED DENSITY.
- CONTRACTOR TO PROTECT EXISTING WETLAND PLANTINGS FROM DAMAGE. ANY DAMAGE TO EXISTING WETLAND PLANTINGS SHALL BE REPLACED TO MAINTAIN DENSITY.

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10'

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10'

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CITY OF FERNANDINA BEACH

FLORIDA

City of Fernandina Beach

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BOARDWALK AND STABILIZATION PLAN

Amelia River Waterfront Stabilization

Parking Lots C & D

Town/City: Fernandina Beach

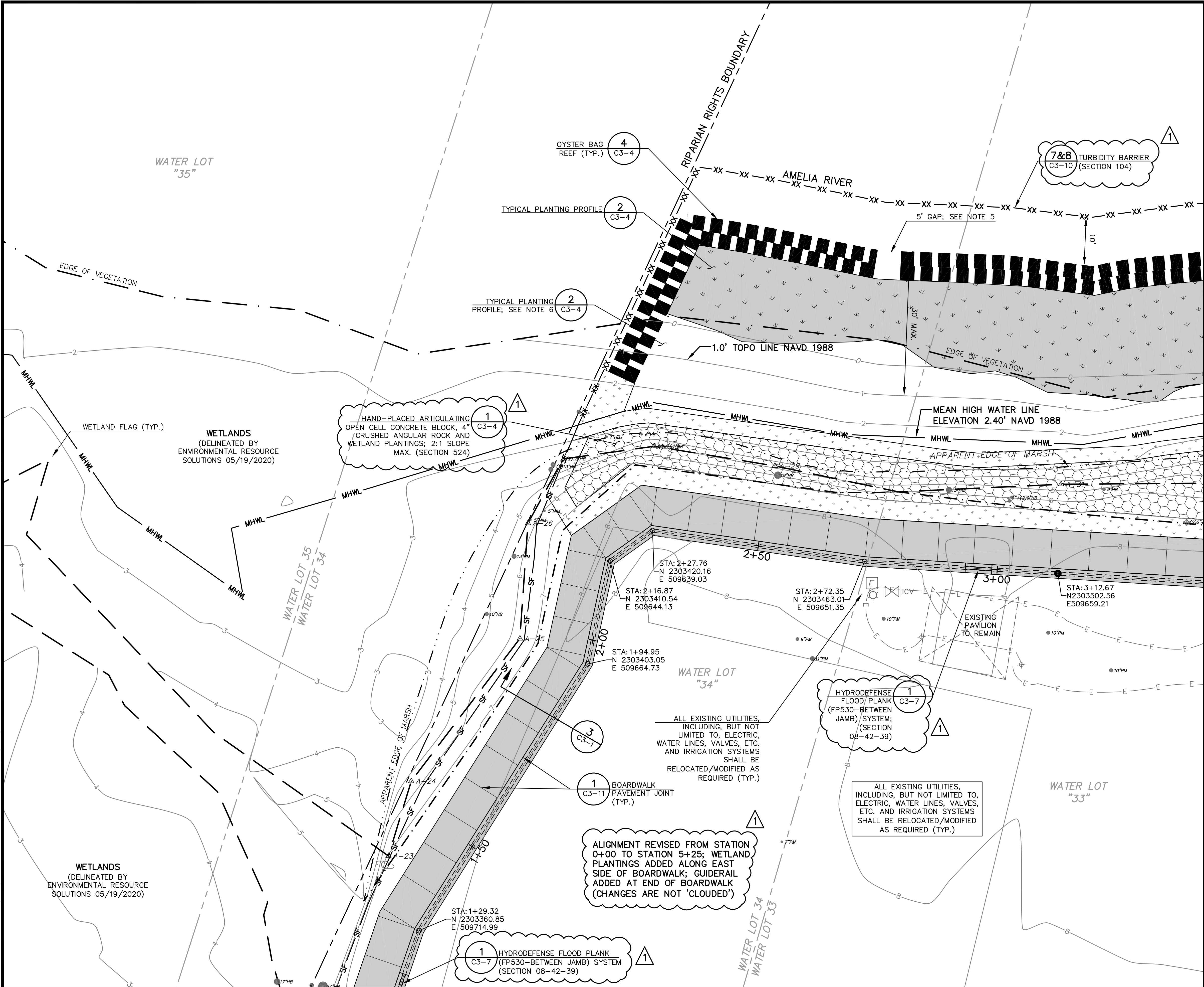
County: Nassau State: Florida

Project No. 99000047.0095

Drawing No. C2-1

Date May 20, 2021

Drawing name: F:\PASSERO\FHB 99000047.0095 FHB Waterfront\Airport\C2-01_PLAN.dwg C2-2 May 20, 2021 12:59pm by: ERedesteste



LEGEND

- PROPOSED BOARDWALK AND "1"-WALL (1&2 C3-1)
- PROPOSED WETLAND PLANTINGS; SEE NOTE 6 BELOW; PLANTING ZONE A (3 C3-4)
- PROPOSED WETLAND PLANTINGS; SEE NOTE 7 BELOW; PLANTING ZONE B (3 C3-4)
- PROPOSED OPEN CELL ARTICULATING CONCRETE BLOCK W/ WETLAND PLANTINGS; (NOTE: BLOCK TIE-IN NOT SHOWN IN HATCH AREA) PLANTING ZONE C (1 C3-5)
- OYSTER BAGS
- SILT FENCE
- STAKED TURBIDITY BARRIER
- 6 FT. CHAIN LINK PANEL FENCING W/ 2 FT. HIGH FILTER FABRIC ATTACHED ALONG BOTTOM
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- WATER LOT BOUNDARY
- MEAN HIGH WATER LINE
- WETLANDS LIMITS
- EDGE OF MARSH
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Revisions

No.	Date	By	Description
1	5/22/21	EME	ADDENDUM #1

BOARDWALK AND STABILIZATION PLAN

Amelia River Waterfront Stabilization
Parking Lots C & D

Town/City: Fernandina Beach
County: Nassau State: Florida

Project No. 99000047.0095

Drawing No. **C2-2**

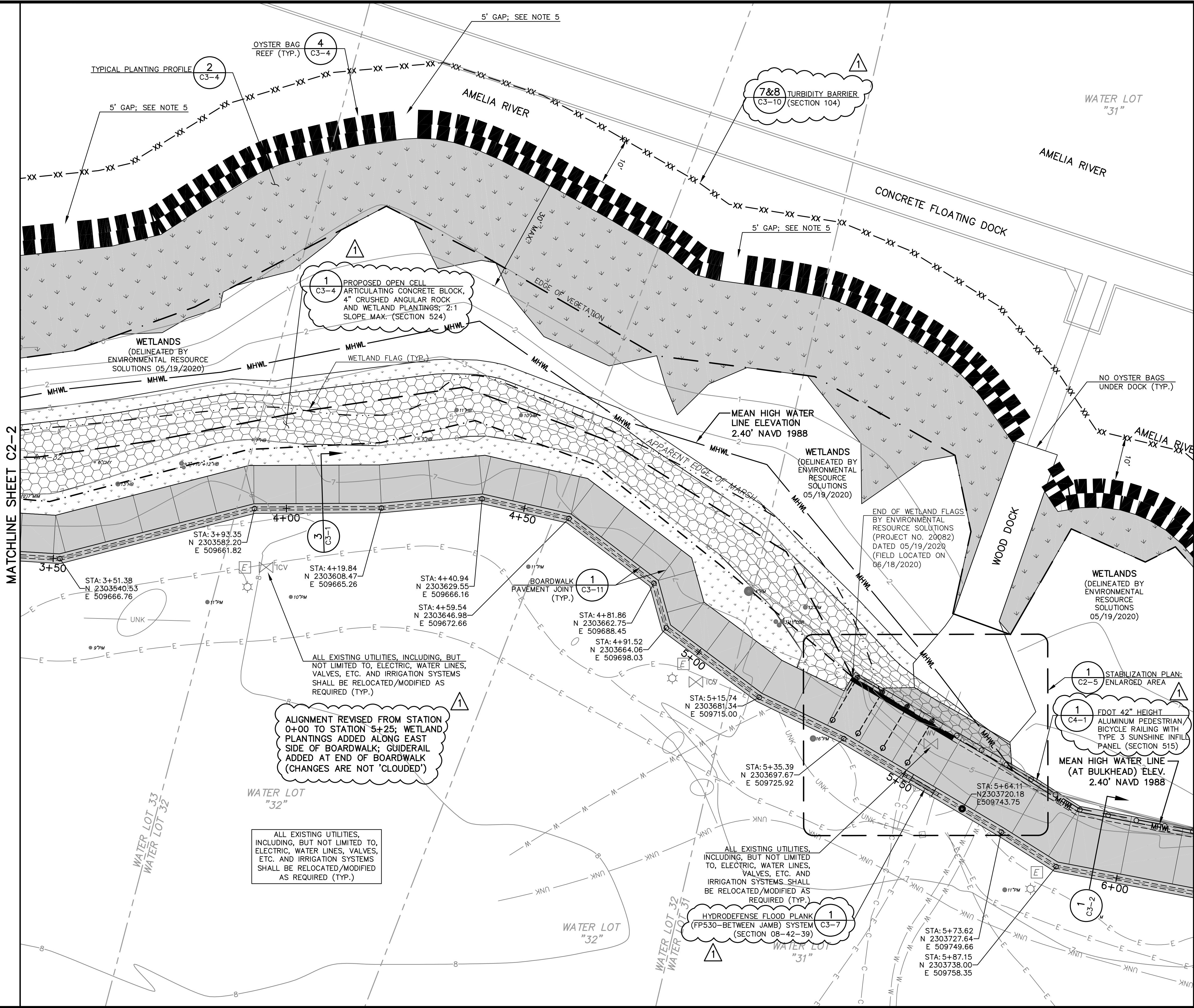
Date May 20, 2021

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204 Ash St.
Fernandina Beach, Florida, 32034



LEGEND

- PROPOSED BOARDWALK AND "I"-WALL 1&2 C3-1
- PROPOSED WETLAND PLANTINGS; SEE NOTE 6 BELOW; PLANTING ZONE A 3 C3-4
- PROPOSED WETLAND PLANTINGS; SEE NOTE 7 BELOW; PLANTING ZONE B 3 C3-4
- PROPOSED OPEN CELL ARTICULATING CONCRETE BLOCK W/ WETLAND PLANTINGS; (NOTE: BLOCK TIE-IN NOT SHOWN IN HATCH AREA) PLANTING ZONE C 1 C3-5

- OYSTER BAGS
- SF SILT FENCE
- XX STAKED TURBIDITY BARRIER
- 6 FT. CHAIN LINK PANEL FENCING W/ 2 FT. HIGH FILTER FABRIC ATTACHED ALONG BOTTOM
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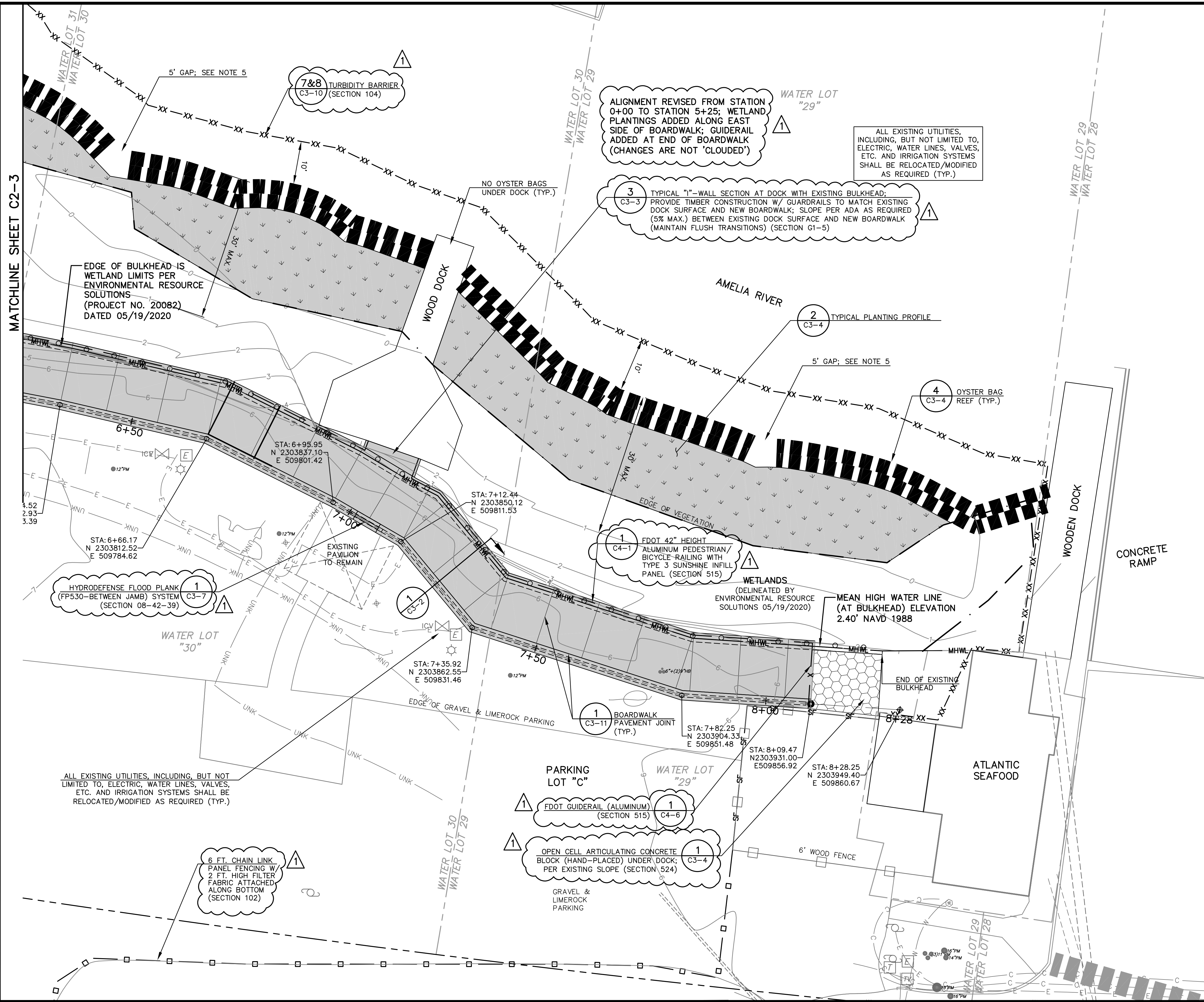
City of Fernandina Beach
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Passero Associates
4730 Casa Cola Way, Suite 200 St. Augustine, FL 32095
(904) 757-6106 Fax: (904) 757-6107
Certificate of Authorization # 3428
Principal-in-Charge: Andrew M. Holesko, C.M.
Project Manager: Christopher Nardone, AIA
Designed by: Emily Bredestege

No.	Date	By	Description
1	5/22/21	EM	ADDENDUM #1

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BOARDWALK AND STABILIZATION PLAN
Amelia River Waterfront Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida
Project No. 99000047.0095
Drawing No. **C2-3**
Date May 20, 2021



LEGEND

- PROPOSED BOARDWALK
AND "I"-WALL
- $\frac{1\&2}{C3-1}$
- PROPOSED WETLAND
PLANTINGS; SEE NOTE
6 BELOW;
PLANTING ZONE A
- $\frac{3}{C3-4}$
- PROPOSED WETLAND
PLANTINGS; SEE NOTE
7 BELOW;
PLANTING ZONE B
- $\frac{3}{C3-4}$
- PROPOSED OPEN CELL
ARTICULATING
CONCRETE BLOCK W/
WETLAND PLANTINGS;
(NOTE: BLOCK TIE-IN
NOT SHOWN IN HATCH
AREA)
PLANTING ZONE C
- $\frac{1}{C3-5}$
- 1

- | | | | | | | |
|---|---|---|---|---|---|--|
|  |  |  |  |  |  | OYSTER BAGS |
|  | | | | | | SILT FENCE |
|  | | | | | | STAKED TURBIDITY BARRIER |
|  | | | | | | 6 FT. CHAIN LINK PANEL FENCING W/ 2 FT. HIGH FILTER FABRIC ATTACHED ALONG BOTTOM |
|  | | | | | | RIPARIAN RIGHTS BOUNDARY |
|  | | | | | | WATER LOT BOUNDARY |
|  | | | | | | MEAN HIGH WATER LINE |
|  | | | | | | WETLANDS LIMITS |
|  | | | | | | EDGE OF MARSH |
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|  | | | | | | VEGETATION LINE |
|  | | | | | | DITCH |
|  | | | | | | FENCE |
|  | | | | | | EXISTING CONTOUR (1' INTERVALS) |

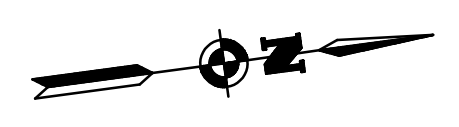
NOTES

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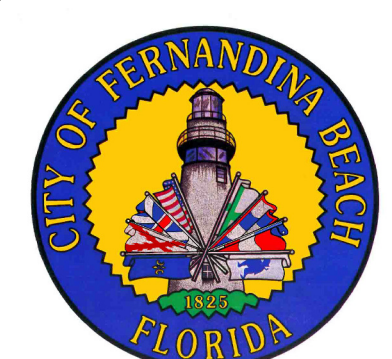
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A horizontal scale bar with a central point labeled '0'. To the left of '0' is a tick mark labeled '10'', and to the right is another tick mark labeled '10''. The bar is divided into alternating black and white segments.

Stamp:



City of Fernandina Beach
204 Ash St.

Fernandina Beach, Florida, 32034

Passero Associates

4730 Casa Cola Way, Suite 200 (904) 757-6106
St. Augustine, FL 32095 Fax: (904) 757-6107
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Project Manager Christopher Nardone, AIA
Designed by Emily Bredestene

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BOARDWALK AND STABILIZATION PLAN

Amelia River Waterfront
Stabilization
Parking Lots C & D

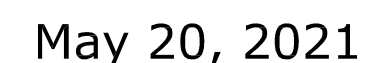
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County: Nassau State: Florida

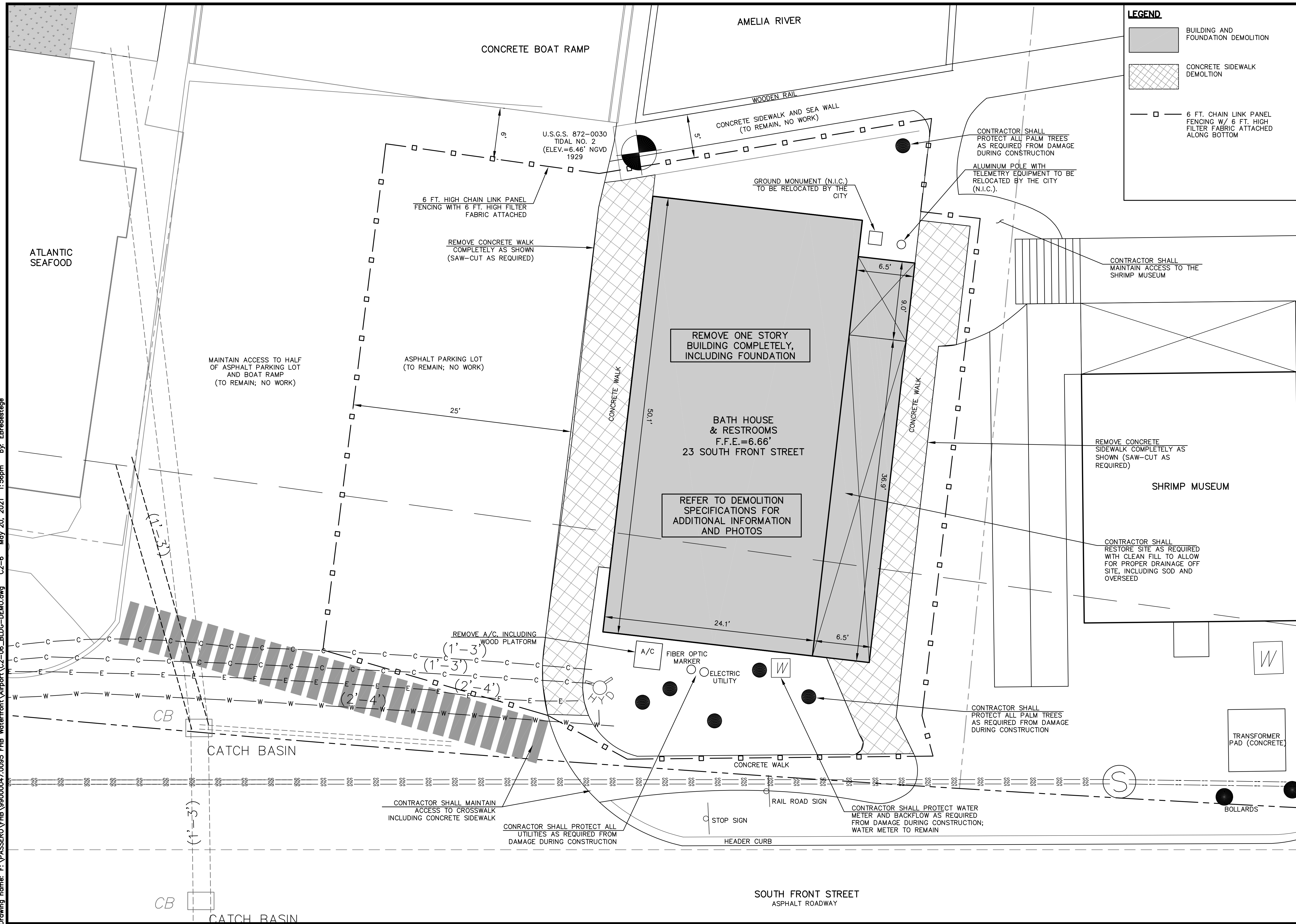
Project No.
99000047.0095

Drawing No. **C2 4**

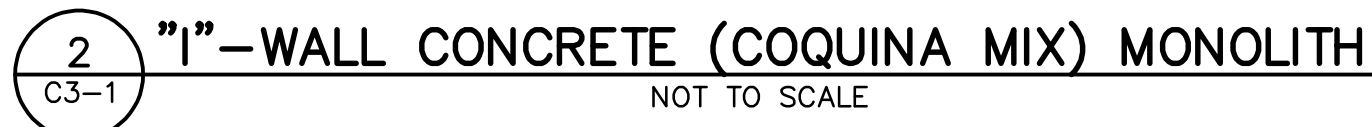
C2-4

May 20, 2021

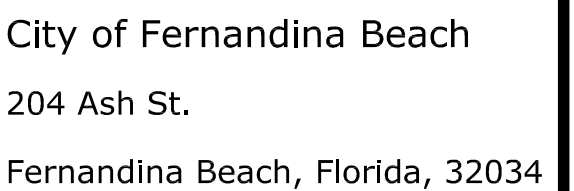




LEGEND



1. BOARDWALK ELEVATION VARIES. TOP OF COQUINA MIXED CONCRETE SLAB SHALL BE 1'-0" MIN. BELOW TOP OF CONCRETE MONOLITH. BOTTOM OF BOARDWALK CONCRETE SLAB SHALL BE AT OR ABOVE BOTTOM OF CONCRETE "I"-WALL MONOLITH. THE BOTTOM OF THE CONCRETE MONOLITH SHALL BE EXTENDED AS REQUIRED TO MEET THE BOTTOM OF BOARDWALK CONCRETE SLAB.
2. BOTTOM OF CONCRETE SLAB SHALL MEET EXISTING GRADE. REGRADING SHALL BE REQUIRED WHEN BOARDWALK ELEVATIONS EXCEED THE MIN. OR MAX. PER NOTE 1. NEW ADDITIONAL FILL SHALL BE COMPACTED PER PROJECT SPECIFICATIONS.
3. CONCRETE SLAB FOR BOARDWALK SHALL BE COQUINA MIX.
4. SEE STRUCTURAL GENERAL NOTES ON SHEET G1-3 FOR ADDITIONAL INFORMATION.



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TYPICAL SECTIONS

Amelia River Waterfront Stabilization Parking Lots C & D

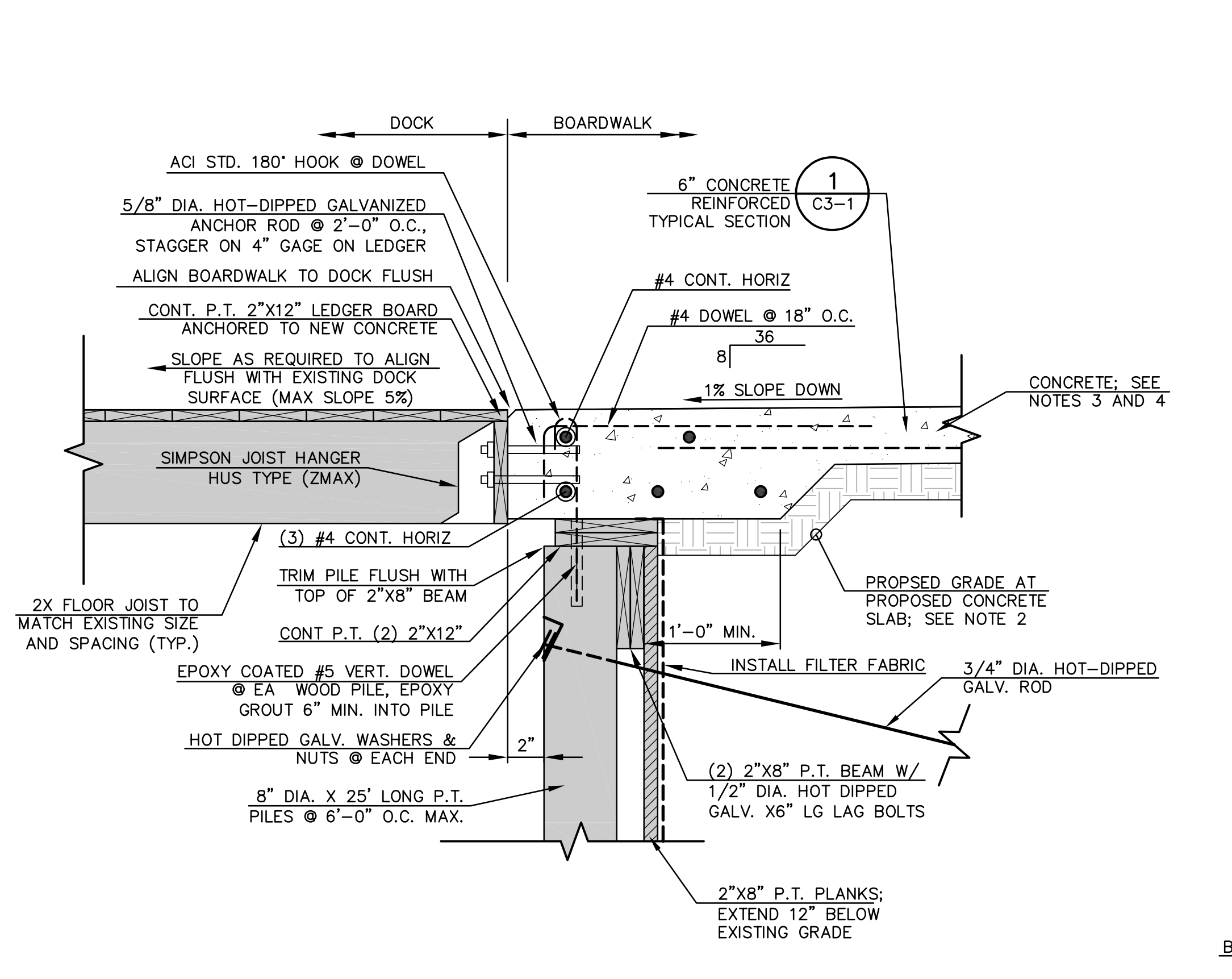
Town/City: Fernandina Beach
County: Nassau State: Florida

Project No.
99000047.0095

Drawing No. **C3-1**

Date
May 20, 2021

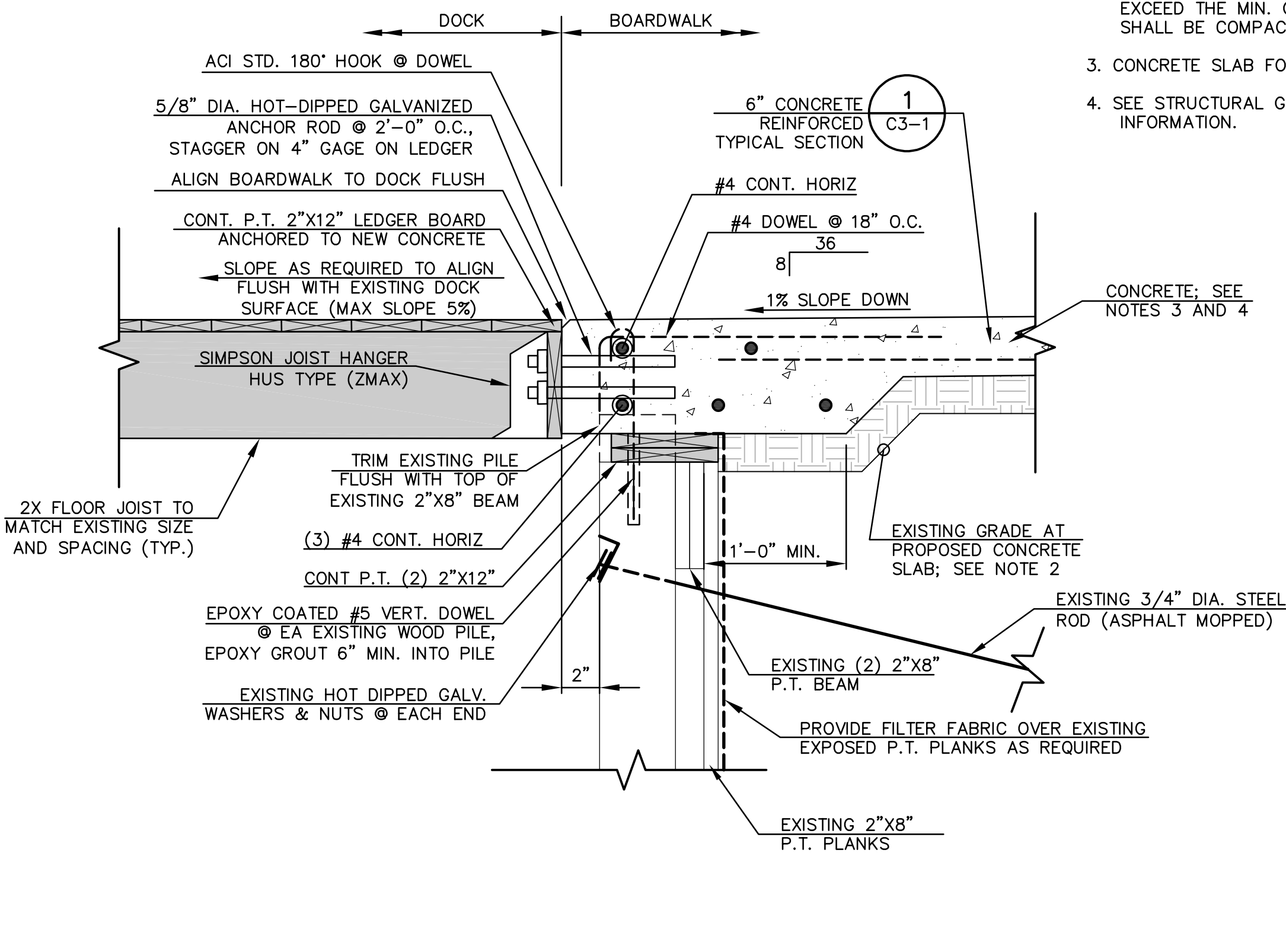
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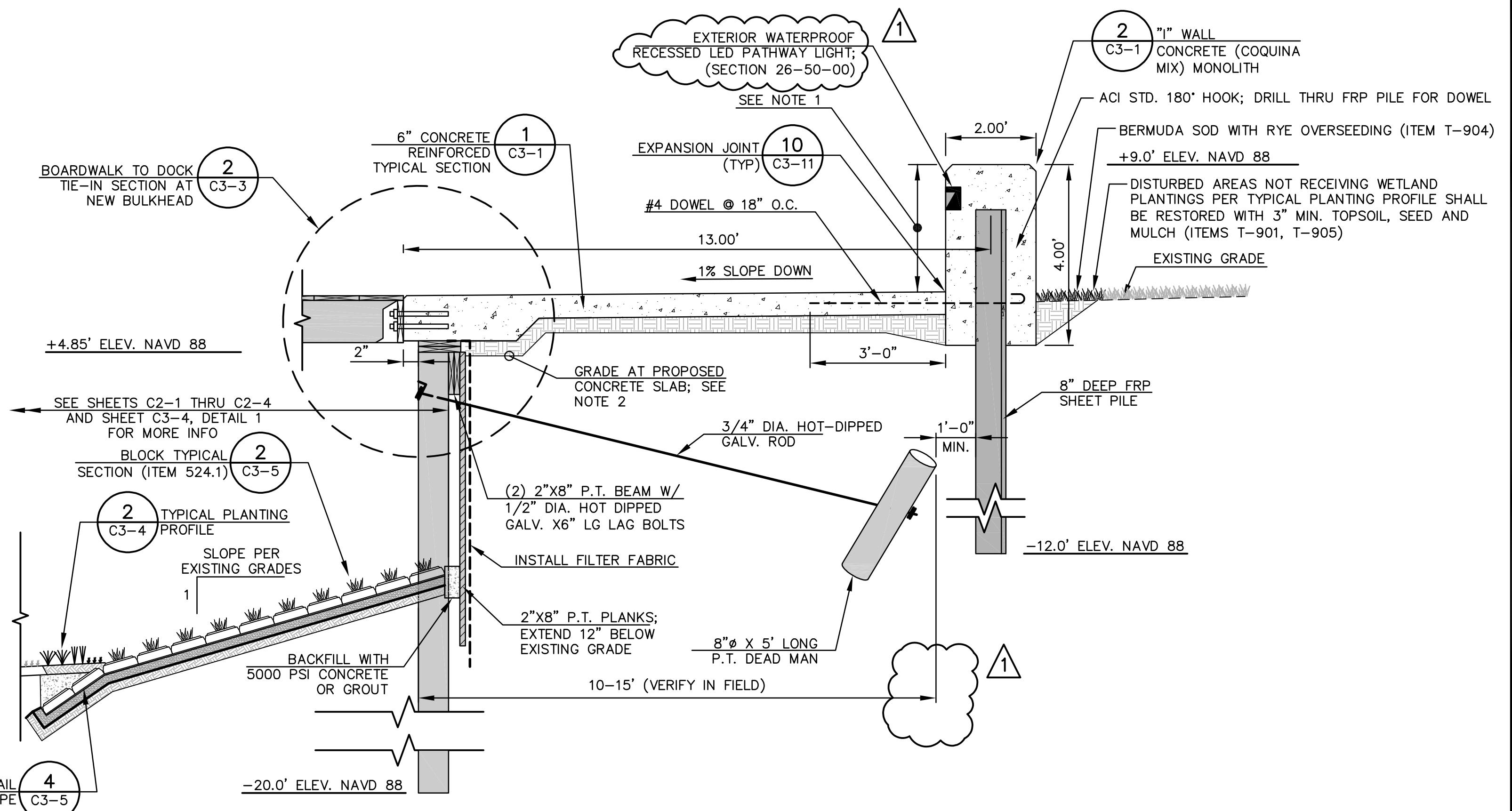
2 BOARDWALK TO DOCK TIE-IN SECTION
AT NEW BULKHEAD
NOT TO SCALE

NOTES:

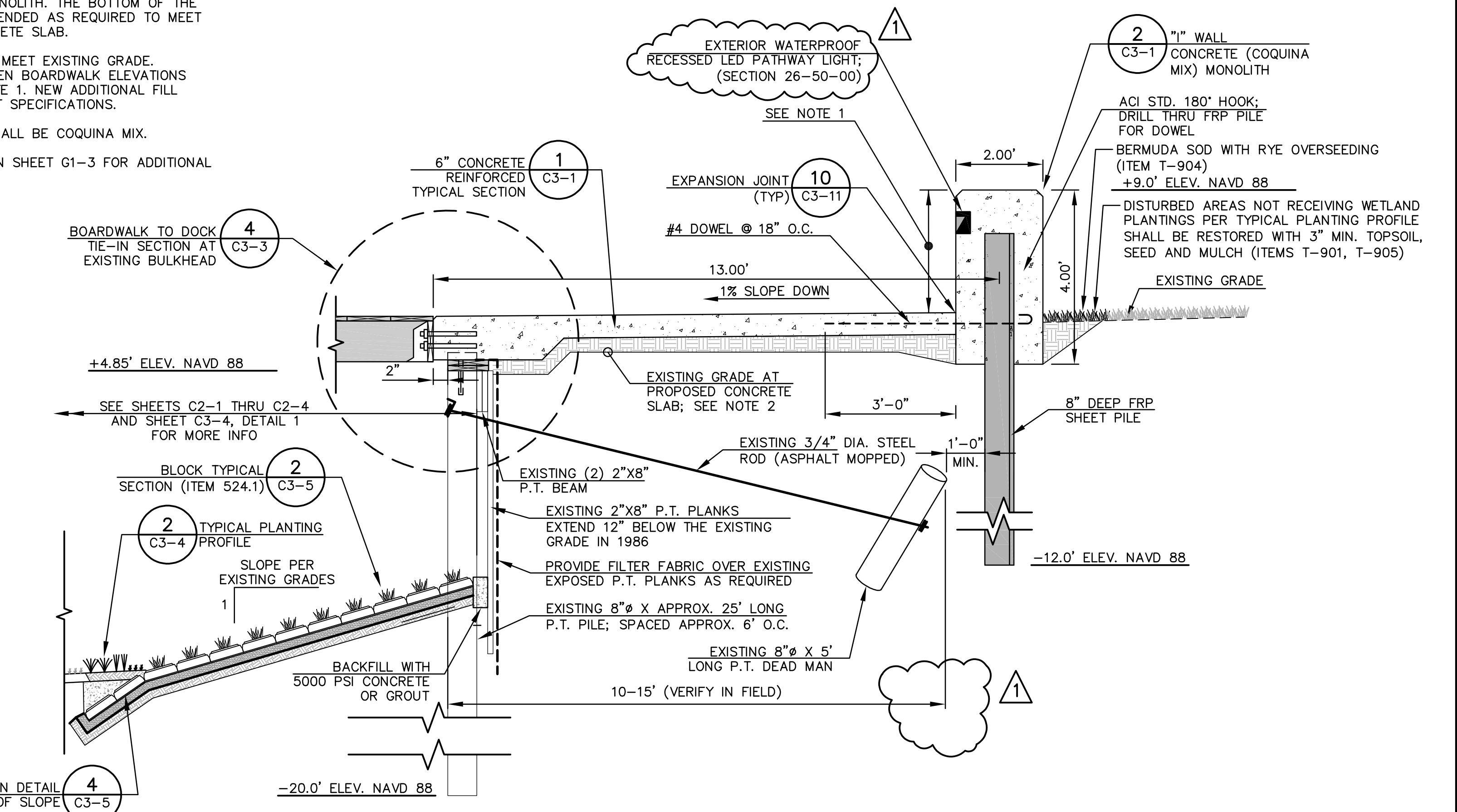
1. BOARDWALK ELEVATION VARIES. TOP OF COQUINA MIXED CONCRETE SLAB SHALL BE 1'-0" MIN. BELOW TOP OF CONCRETE MONOLITH. BOTTOM OF BOARDWALK CONCRETE SLAB SHALL BE AT OR ABOVE BOTTOM OF CONCRETE "I"-WALL MONOLITH. THE BOTTOM OF THE CONCRETE MONOLITH SHALL BE EXTENDED AS REQUIRED TO MEET THE BOTTOM OF BOARDWALK CONCRETE SLAB.
2. BOTTOM OF CONCRETE SLAB SHALL MEET EXISTING GRADE. REGRADING SHALL BE REQUIRED WHEN BOARDWALK ELEVATIONS EXCEED THE MIN. OR MAX. PER NOTE 1. NEW ADDITIONAL FILL SHALL BE COMPACTED PER PROJECT SPECIFICATIONS.
3. CONCRETE SLAB FOR BOARDWALK SHALL BE COQUINA MIX.
4. SEE STRUCTURAL GENERAL NOTES ON SHEET G1-3 FOR ADDITIONAL INFORMATION.



4 BOARDWALK TO DOCK TIE-IN SECTION
AT EXISTING BULKHEAD
NOT TO SCALE



1 TYPICAL "I"-WALL SECTION AT DOCK WITH NEW BULKHEAD
NOT TO SCALE



3 TYPICAL "I"-WALL SECTION AT DOCK WITH EXISTING BULKHEAD
NOT TO SCALE



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Certificate of Authorization # 3428
Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredestege

Revisions

No.	Date	By	Description
1	5/22/21	EM	ADDENDUM #1

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TYPICAL
SECTIONS

Amelia River Waterfront

Stabilization

Parking Lots C & D

Town/City: Fernandina Beach

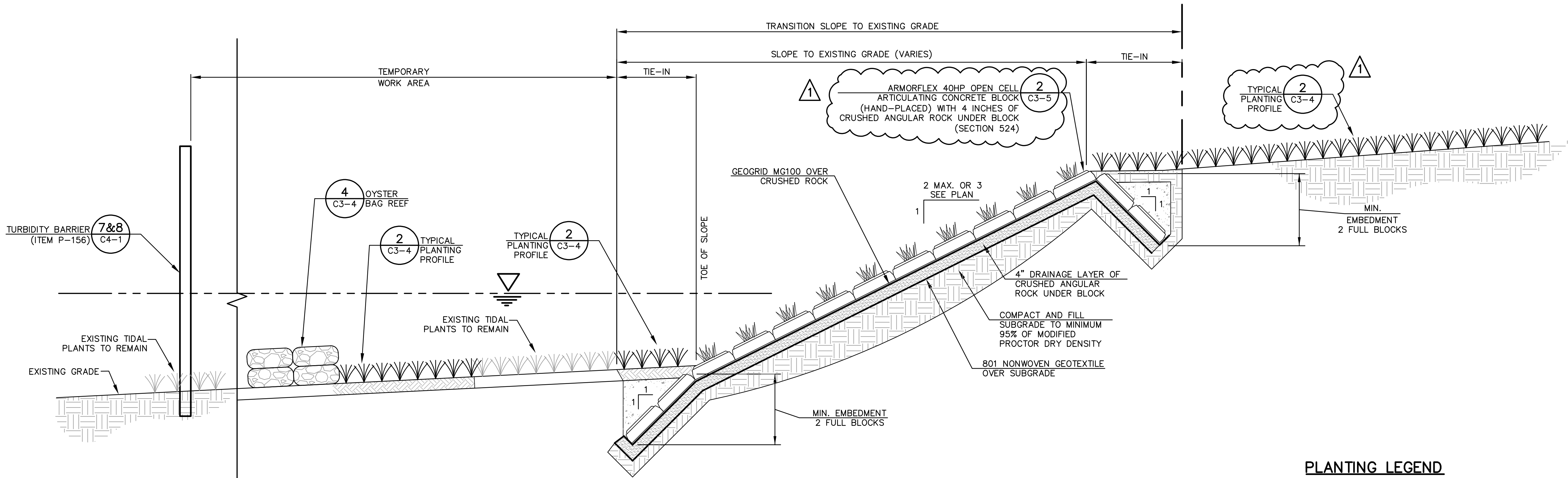
County: Nassau State: Florida

Project No. 99000047.0095

Drawing No. C3-3

Date May 20, 2021

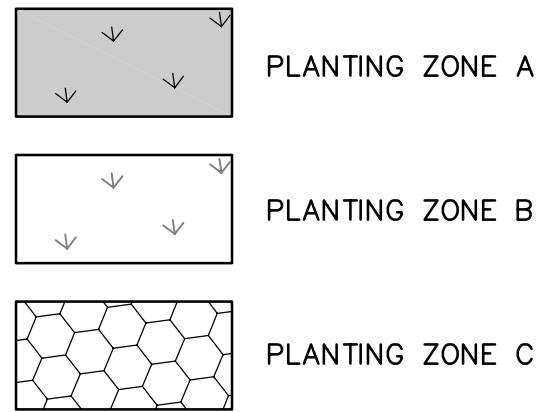
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1 OPEN CELL ARTICULATING CONCRETE BLOCK (HAND-PLACED)
TYPICAL SECTION
NOT TO SCALE

PLANTING SCHEDULE (ITEM T-910)					
PLANTING ZONE	PLANT SPECIES	ELEVATION (FEET)	ZONE AREA (SF)	ZONE AREA (ACRES)	PERCENT COVER
ZONE A	Spartina alterniflora	0 TO 2.0	11,000	0.253	100%
ZONE B	Spartina patens	2.0 TO 3.0	2,730	0.063	100%
ZONE C	Spartina patens	3.0+	6,500	0.150	100%

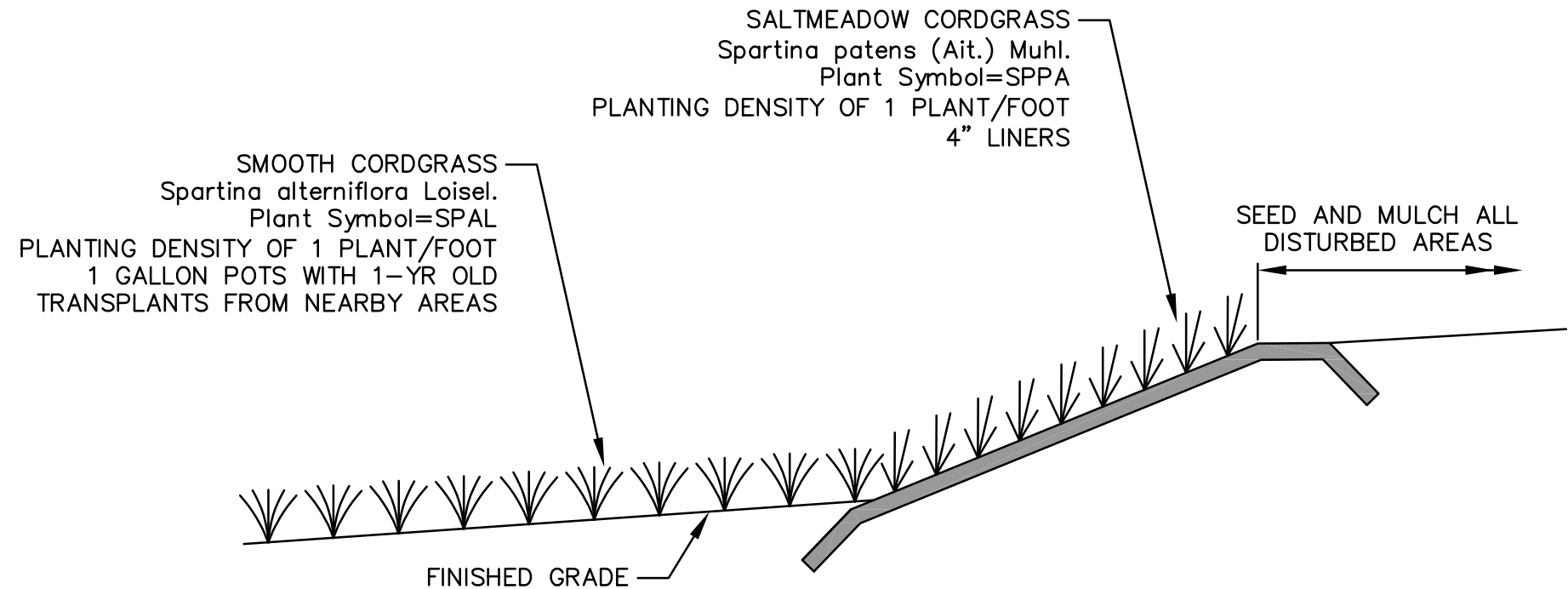
PLANTING LEGEND



NOTES:

- ALL CONSTRUCTION AREAS WITHIN THE JURISDICTIONAL WETLAND LINE SHALL RECEIVE WETLAND PLANTING PER THE ABOVE PLANTING SCHEDULE AND ITEM T-910. THIS INCLUDES ALL PERMANENT WETLAND IMPACT AREAS AND ALL PERMANENT SURFACE WATER IMPACT AREAS. SEE CROSS SECTIONS. TEMPORARY WETLAND IMPACT AREAS SHALL NOT RECEIVE SEED AND MULCH.
- ALL AREAS TO RECEIVE WETLAND PLANTING AND TEMPORARY WETLAND IMPACT AREAS SHALL HAVE NATIVE SOIL FROM WETLAND AREAS IN THE UPPER THREE INCHES OF FINAL GRADE. ALL OPENINGS IN ARTICULATING CONCRETE SHALL BE FILLED WITH TOP SOIL OR NATIVE WETLAND SOIL PRIOR TO PLANTING. UPPER THREE INCHES OF SOIL SHALL BE PAID AS ITEM T-905.
- SEE DRAWING FOR ADDITIONAL WETLAND MONITORING AND MAINTENANCE NOTES RELATING TO ITEM T-910.
- PROVIDE 4" LINERS FOR PLANTINGS IN OPEN CELL ARTICULATED CONCRETE BLOCK AND ONE GALLON POTS IN REMAINING AREAS.

3 WETLAND PLANTING PLAN
NOT TO SCALE



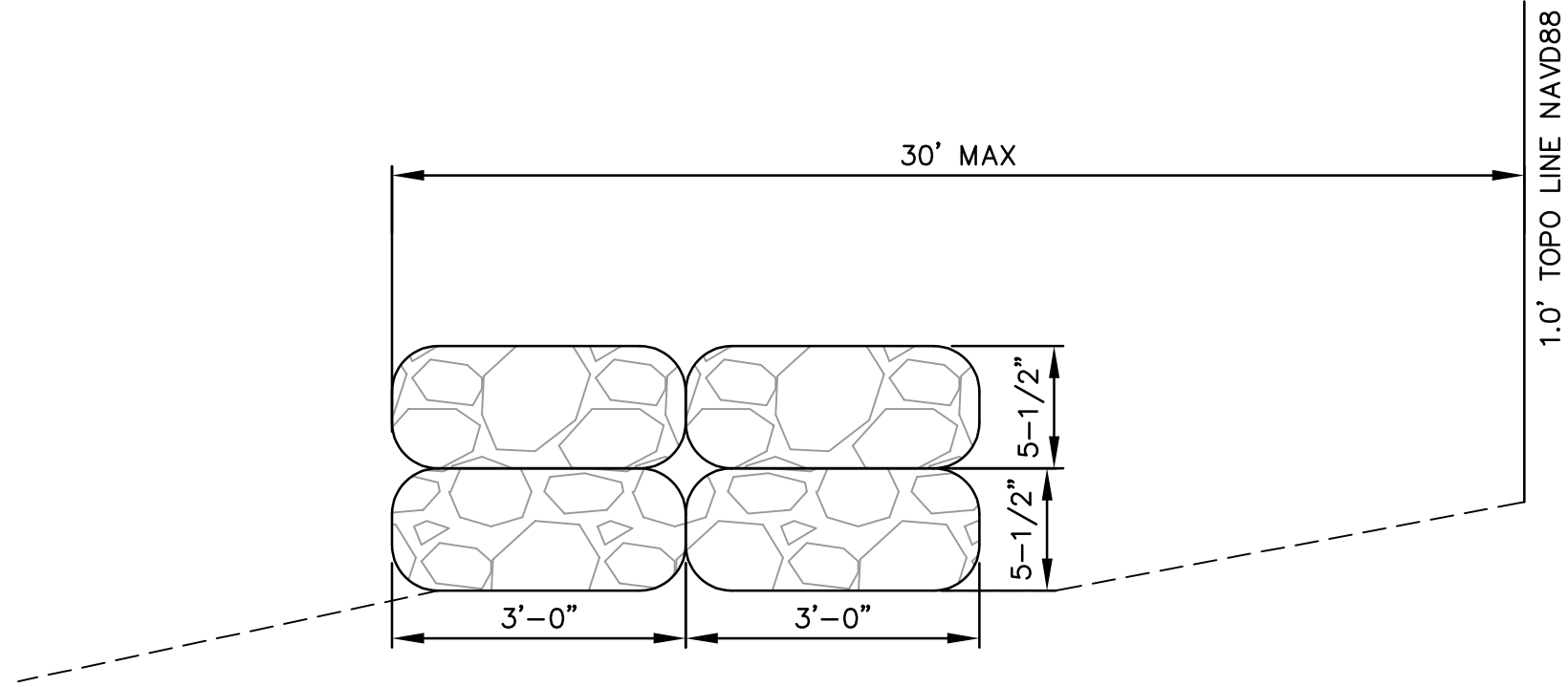
2 TYPICAL PLANTING PROFILE
NOT TO SCALE

NOTES:

- WETLANDS PLANTINGS SHALL BE PAID UNDER ITEM T-910.
- EROSION CONTROL MEASURES SHALL BE PAID UNDER ITEM P-156.

NOTE:

- COSTS ASSOCIATED WITH ITEMS ON THIS DRAWING SHALL BE INCLUDED IN CORRESPONDING ITEMS T-910, T-912, AND T-914.



4 OYSTER BAG REEF DETAIL
NOT TO SCALE

NOTES:

- OYSTER BAGS SHALL MEET REQUIREMENTS PER 2017 NATIONWIDE PERMIT #54 LIVING SHORELINES.
- OYSTER BAGS SHALL BE PLACED IN ROWS WITH A MAXIMUM LENGTH OF 75 FEET. A 5 FOOT GAP SHALL BE PROVIDED EVERY 75'.
- OYSTER REEF SHALL CONSIST OF TWO ROWS OF OYSTER SHELL BAGS STACKED TWO HIGH (AS SHOWN).
- PROVIDE CLEAN OYSTER SHELLS PLACED IN HEAVY DUTY PLASTIC MESH BAGS APPROXIMATELY 4-5 GALLONS OF OYSTER SHELLS PER 3'-0"x1'-6"x5-1/2" BAG SIZE. MANUFACTURER: BASIS OF DESIGN FOR BAGS SHALL BE NALTEx EXTRUDED DIAMOND NETTING BY SWM ENGINEERED FOR TOMORROW.
- SECURE OYSTER SHELL BAGS IN PLACE USING HEAVY DUTY PLASTIC CABLE TIES AND BAMBOO STAKES.

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Certificate of Authorization # 3428
Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredestege

Revisions

No.	Date	By	Description
1	5/22/21	EM	ADDENDUM #1

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TYPICAL SECTIONS

Amelia River Waterfront
Stabilization
Parking Lots C & D

Town/City: Fernandina Beach
County: Nassau State: Florida

Project No.
99000047.0095

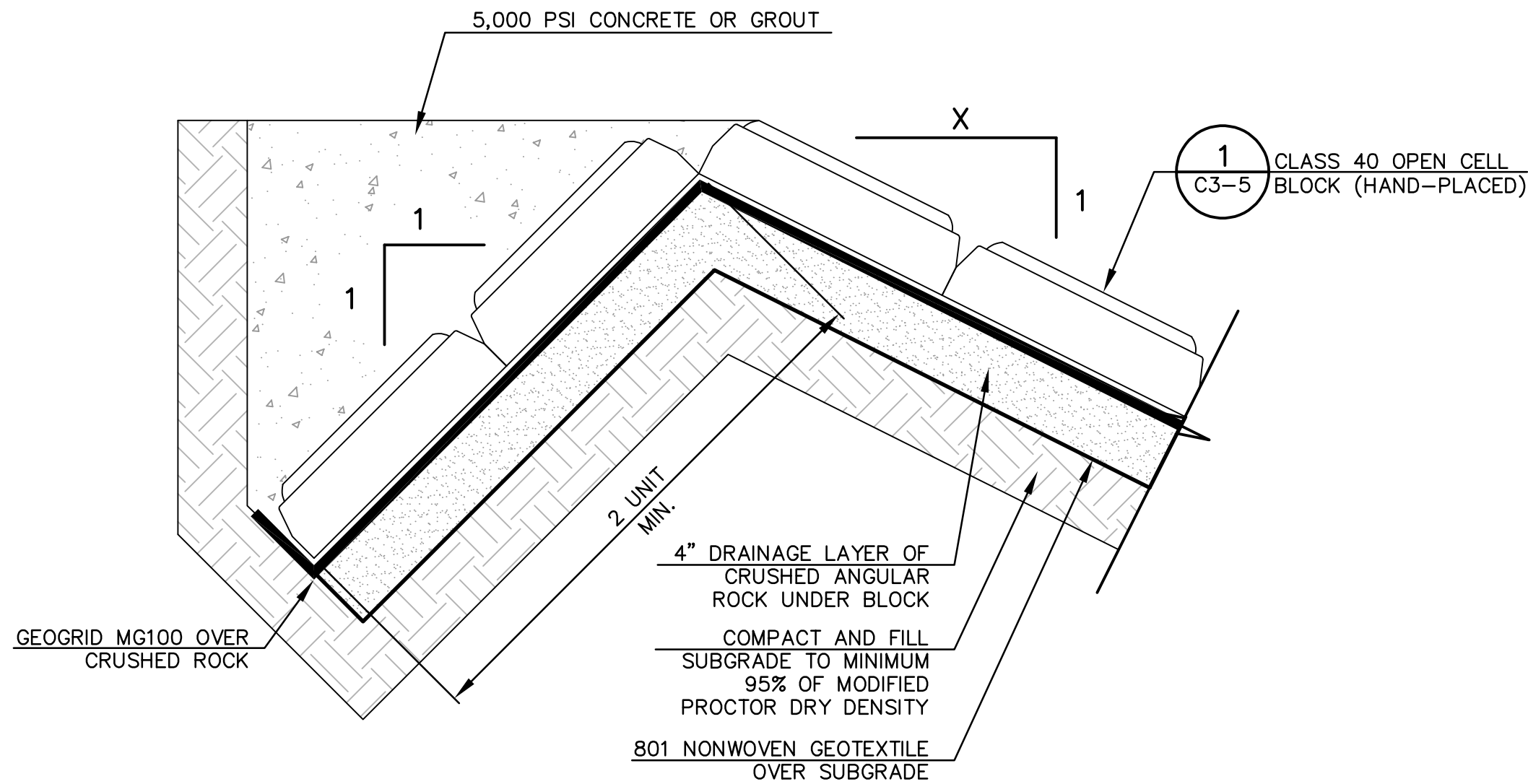
Drawing No.

C3-4

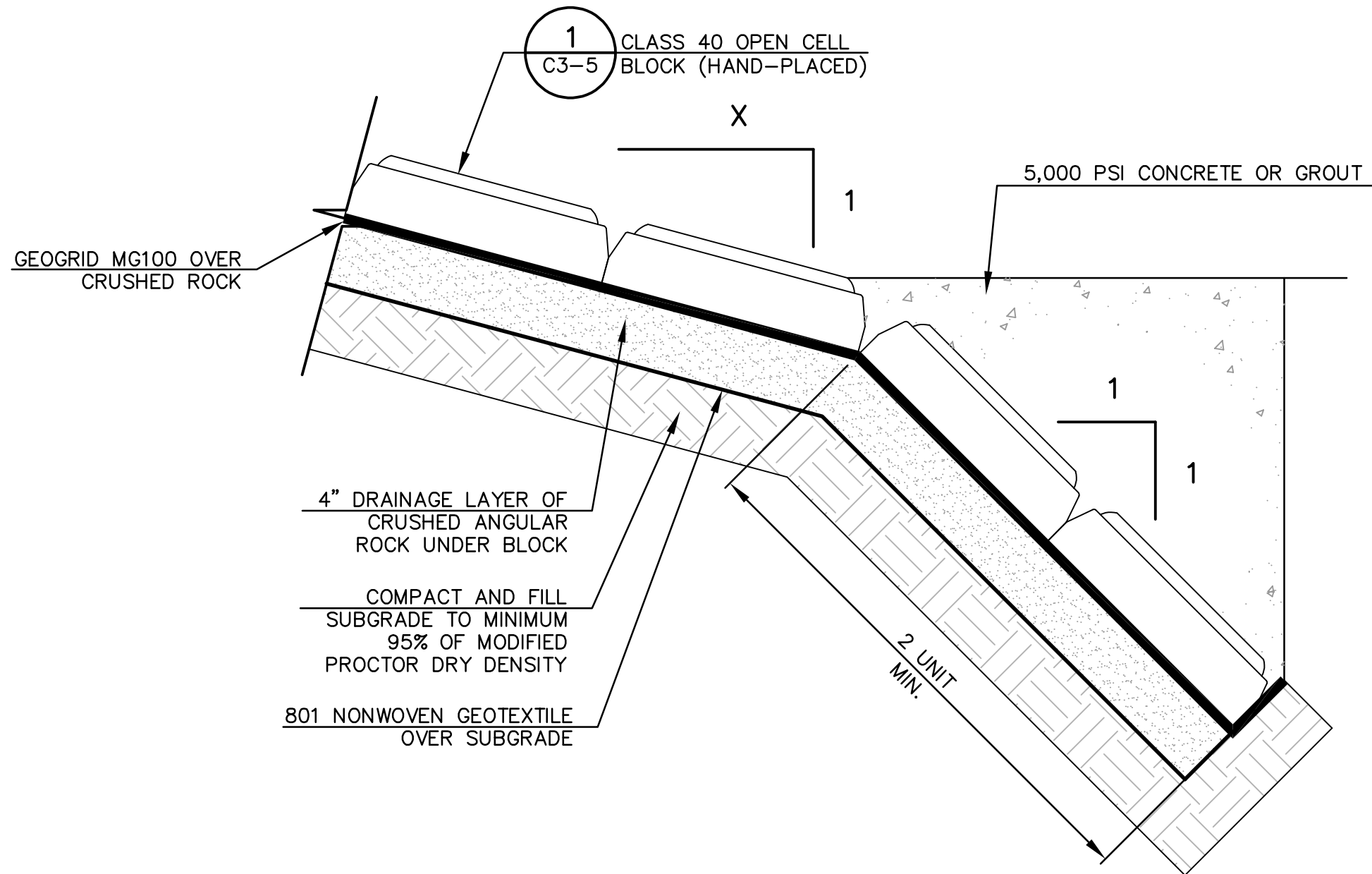
Date

May 20, 2021

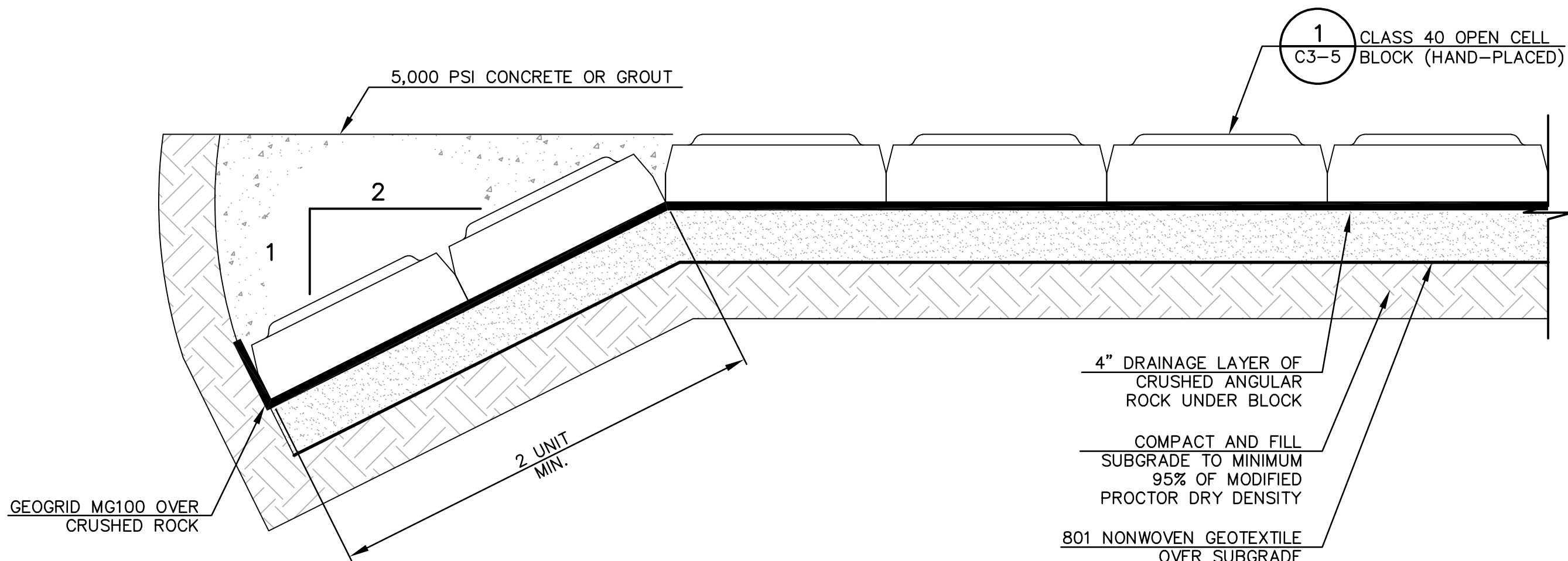
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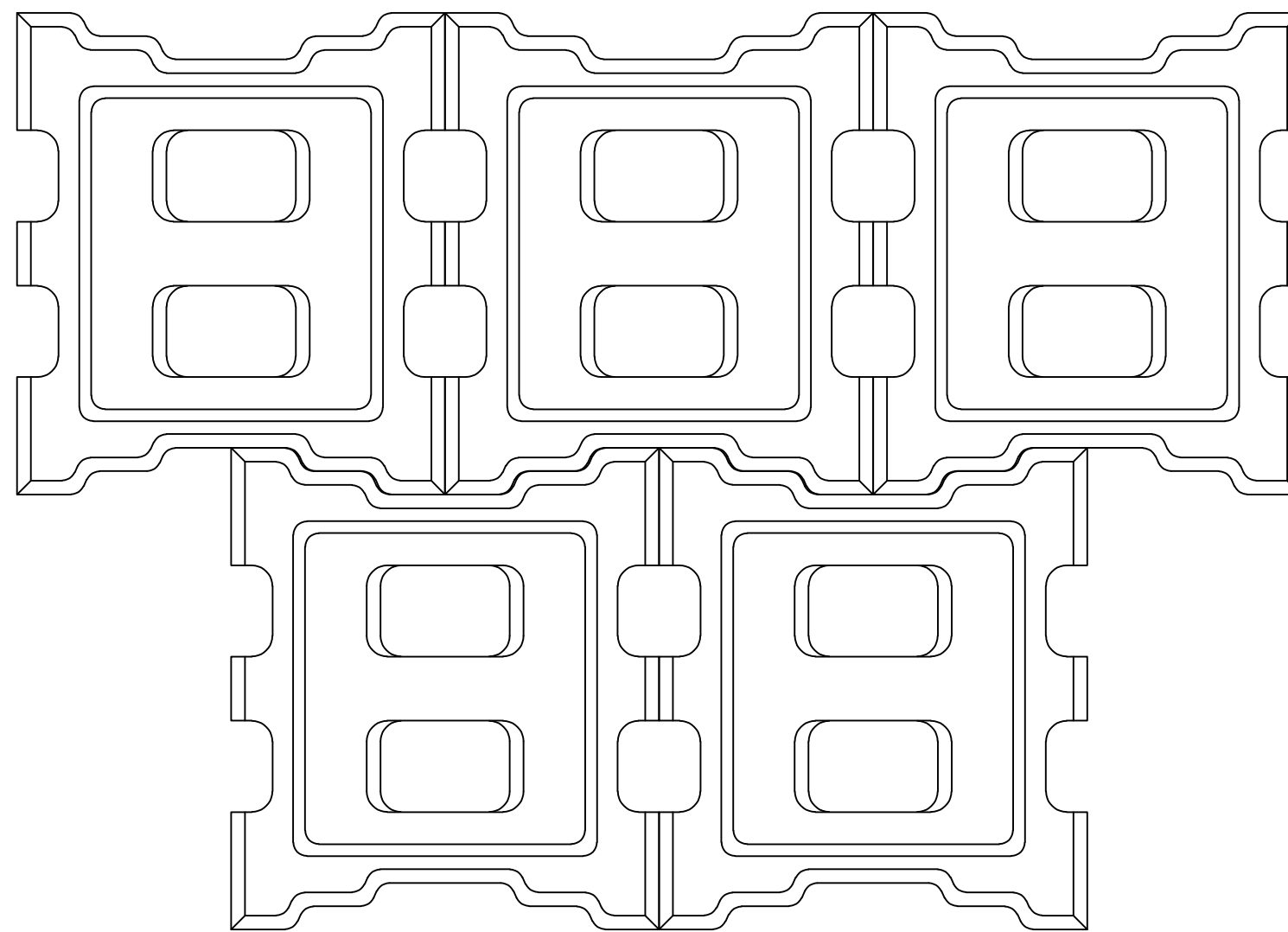
3 BLOCK TIE-IN DETAIL
NOT TO SCALE



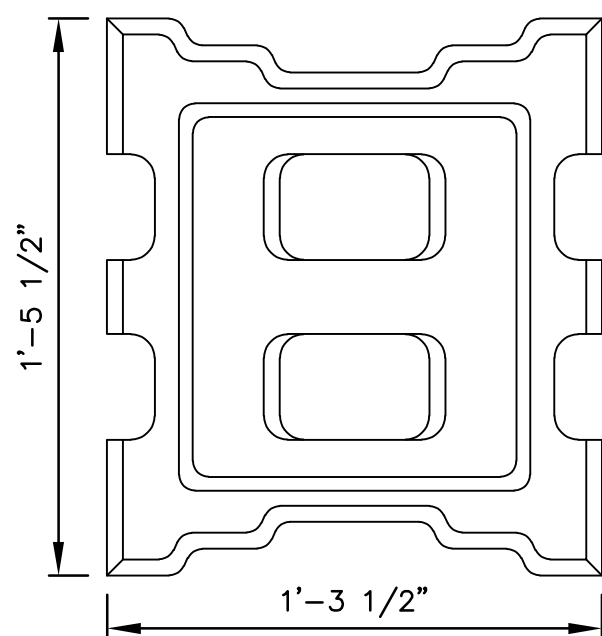
4 BLOCK TIE-IN DETAIL
BOTTOM OF SLOPE
NOT TO SCALE



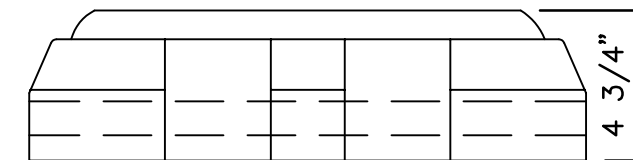
5 BLOCK TIE-IN DETAIL
FLAT GRADE
NOT TO SCALE



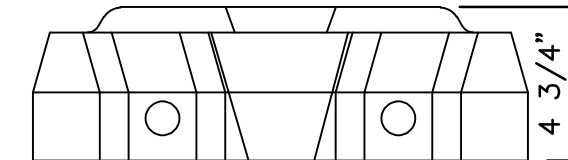
PLAN



TOP

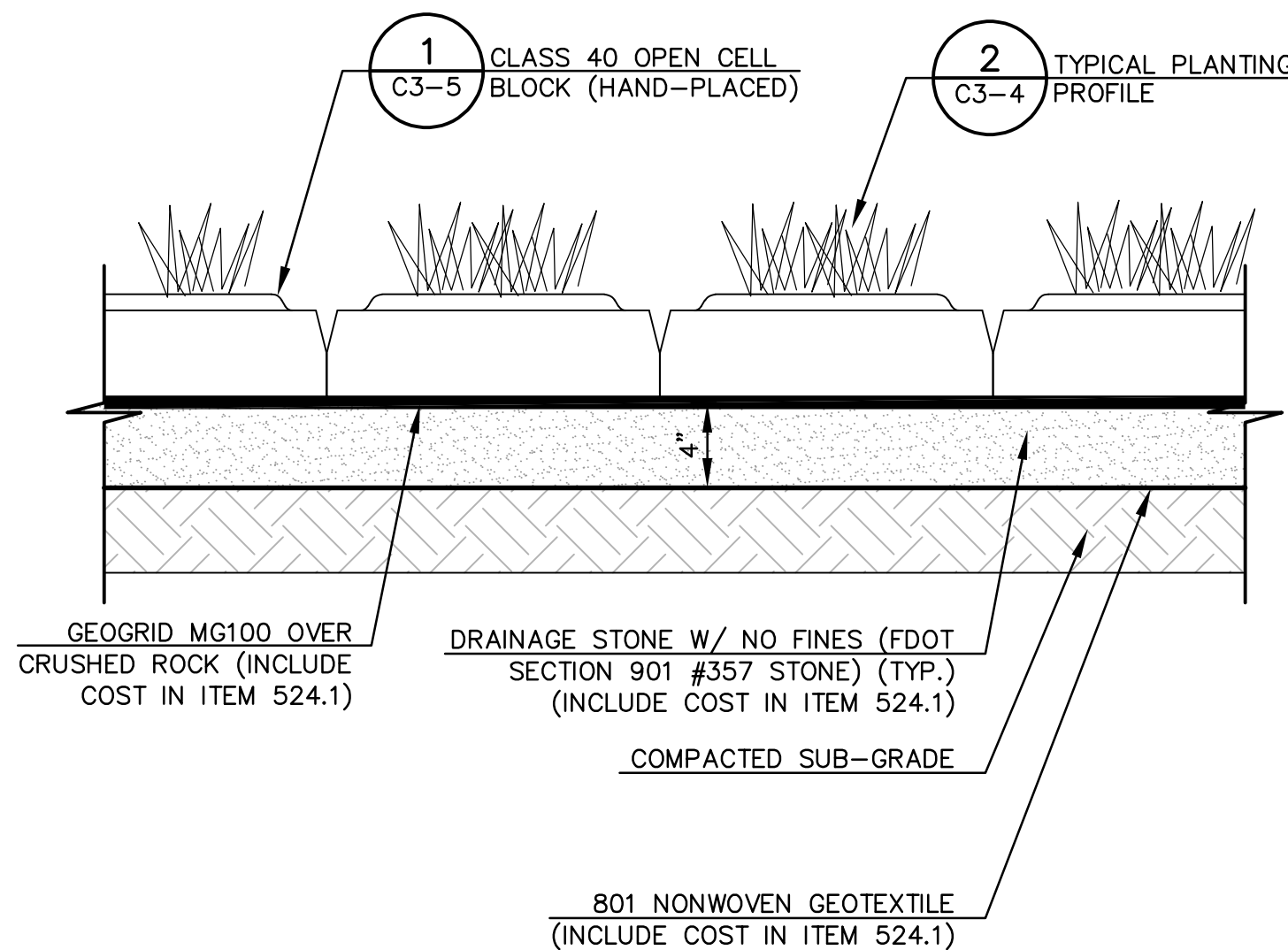


SIDE



END

1 ARMORFLEX CLASS 40 OPEN CELL BLOCK
(HAND PLACED)
NOT TO SCALE
(INCLUDE COST IN ITEM 524.1)



2 BLOCK TYPICAL SECTION
NOT TO SCALE



NOTE: DETAILS ON
THIS SHEET PERTAINS
TO SECTION 524

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Certificate of Authorization # 3428
Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredestege

Revisions			
No.	Date	By	Description
1	5/22/21	EME	ADDENDUM #1

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BLOCK DETAILS

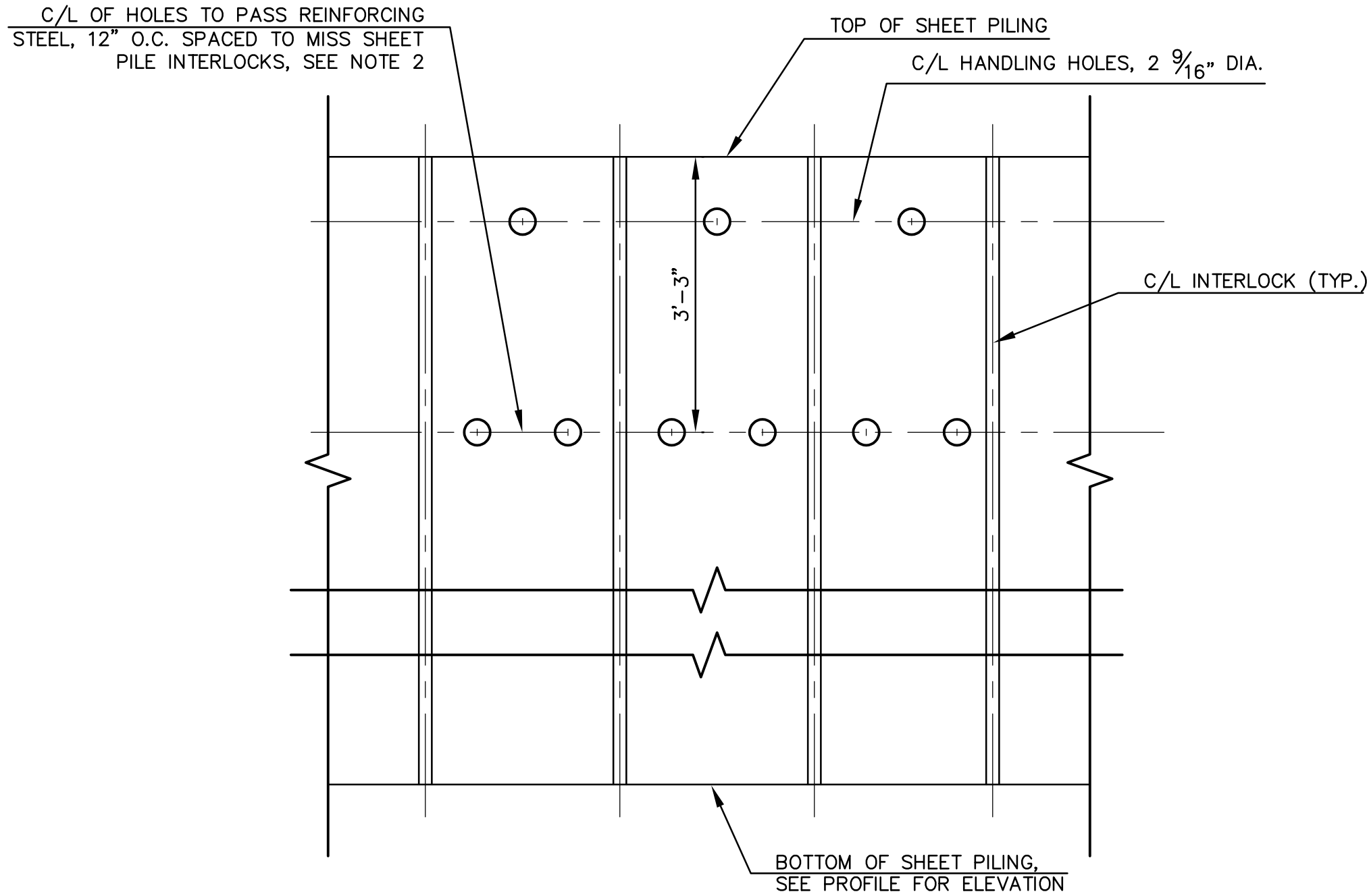
Amelia River Waterfront
Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida

Project No.
99000047.0095

Drawing No.
C3-5

Date
May 20, 2021

Drawing name: F:\PASSERO\FHB\99000047.0095 FHB Waterfront\Airport\C3-01_TYP-SECT.dwg C3-6_TYP-SECT May 20, 2021 1:27pm by: EBredestege

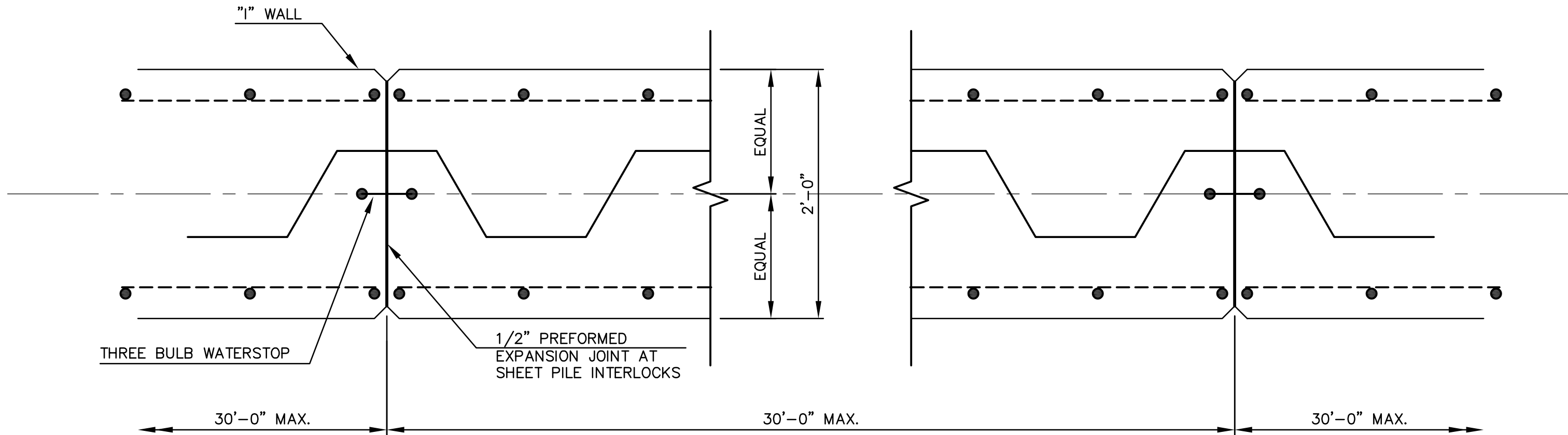


ELEVATION

2 HOLES IN SHEET PILING DETAIL
C3-6 NOT TO SCALE

NOTES:

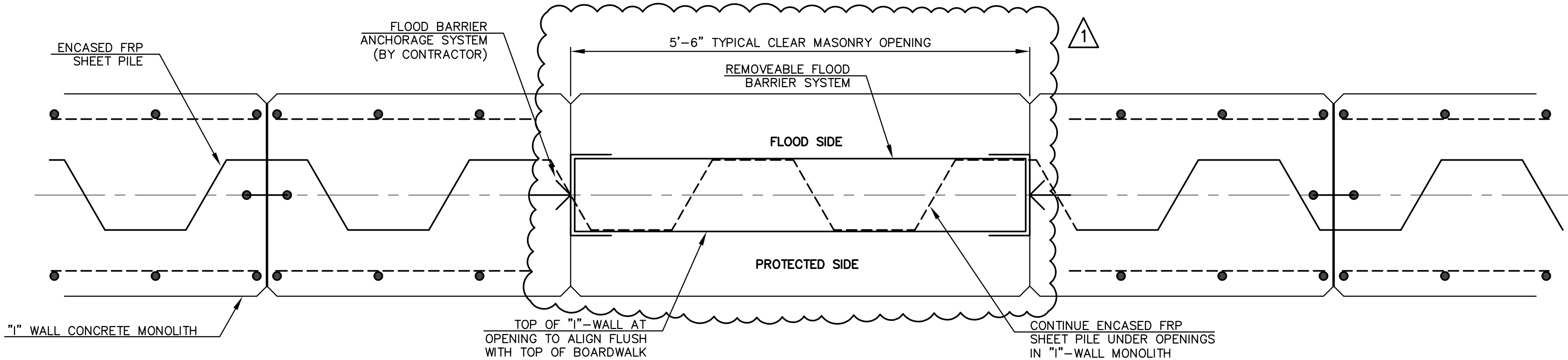
1. A MINIMUM OF 6 INCHES OF CONCRETE COVER SHALL BE PROVIDED OVER SHEET PILING AT ALL POINTS.
2. HOLES CUT INTO STEEL PILING FOR PASSING REINFORCING BARS SHALL NOT EXCEED 2" DIA. WHERE HOLES FALL WITHIN THE WEB OF THE STEEL SHEET PILE, THE HOLE SHALL BE SLOTTED 4" HORIZONTALLY TO ACCOMMODATE PASSING THE REINFORCING BARS. REINFORCING BARS SHALL BE MOVED TO MISS SHEET PILE INTERLOCKS.



1 TYPICAL "I" WALL MONOLITH SHEET PILE INTERLOCKS
C3-6 NOT TO SCALE

NOTES:

1. MONOLITH MAX JOINT SPACING SHALL BE 30'-0".
2. MONOLITH SECTIONS GREATER THAN 30 FEET SHALL HAVE EQUAL JOINT SPACING.



3 REMOVEABLE FLOOD BARRIER DETAIL
C3-6 NOT TO SCALE

NOTE: DETAILS ON THIS SHEET PERTAINS TO ITEM C3-6.

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Certificate of Authorization # 3428
Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredestege

Revisions			
No.	Date	By	Description
1	5/22/21	EME	ADDENDUM #1

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"I"-WALL
DETAILS

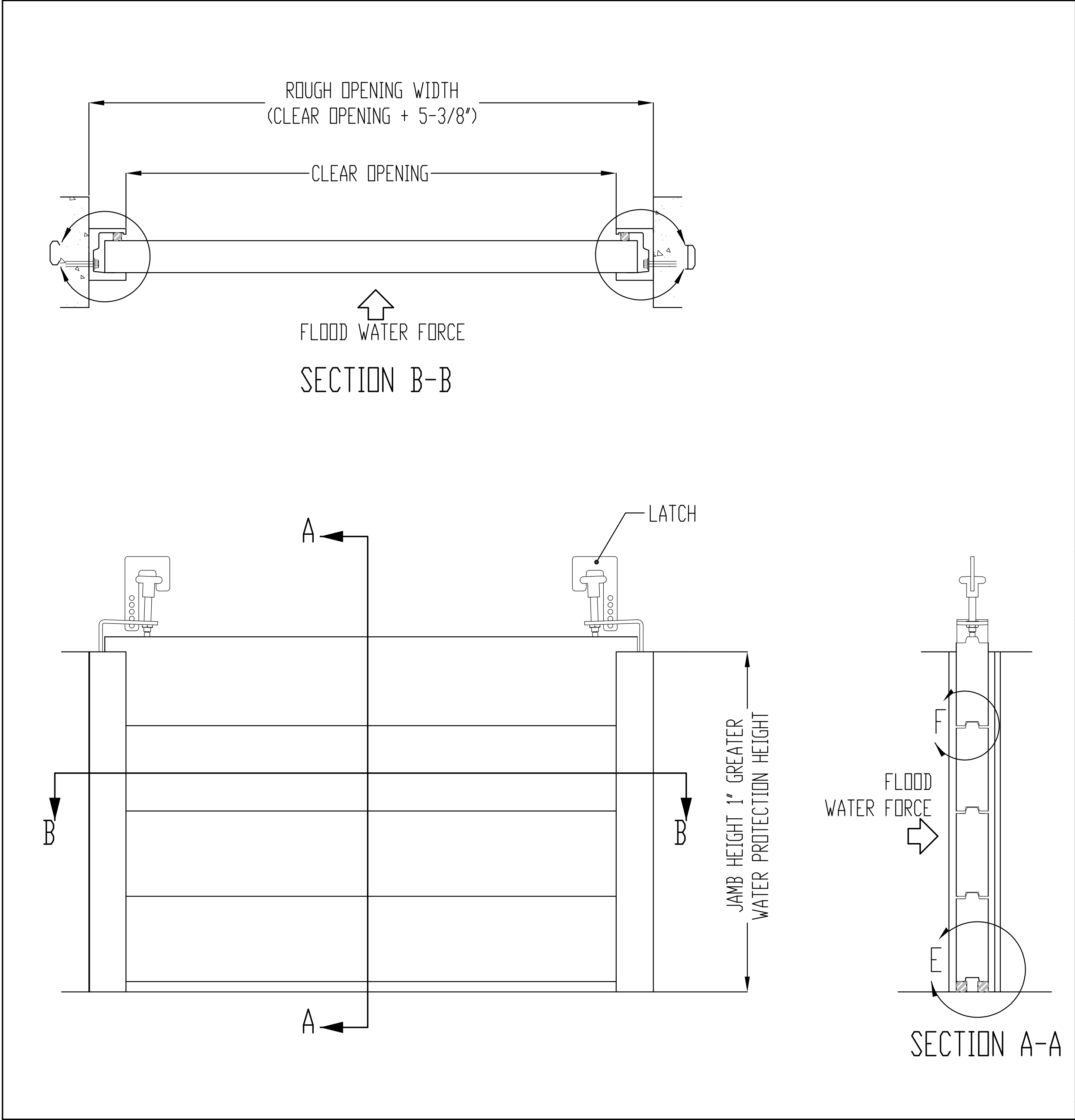
Amelia River Waterfront
Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida

Project No.
99000047.0095

Drawing No.
C3-6

Date
May 20, 2021

Drawing name: F:\PASSERO\FHB\99000047.0095 FHB Waterfront\Airport\C3-07_HYDRO-PLANK-DETL.dwg C3-07_PLANK-SYST-DETL May 20, 2021 1:22pm by: EBredestege



FP-530 FLOOD PLANK SYSTEM - BETWEEN JAMB MOUNT

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- ① LOCATION AND QUANTITY OF ANCHORS TBD BASED ON LOADING
- ② DESIGN SHOWN REQUIRES STRUCTURE TO BE A MINIMUM OF 8" GROUT FILLED CMU OR 3000 PSI CIP; CONTACT PS DOORS FOR DEVIATIONS
- ③ FLOOD LOAD ON PLANK SYSTEM IS TRANSFERRED TO BUILDING STRUCTURE
- ④ STANDARD SILL TO BE EMBEDDED ANGLE; CONTACT PS DOORS FOR ADDITIONAL OPTIONS

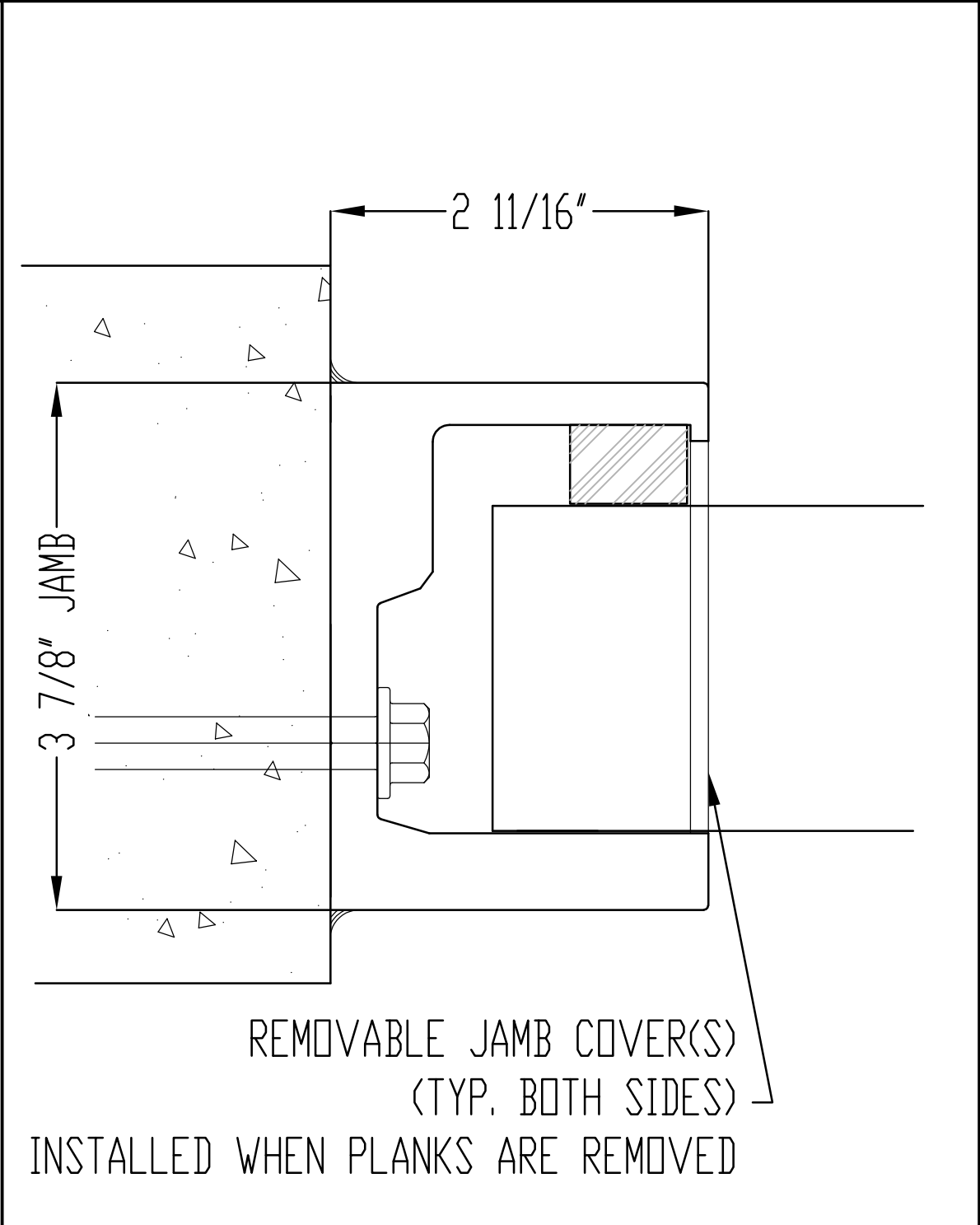
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REFERENCE DRAWING NOT FOR CONSTRUCTION
DWG BY: PSDOORS

DATE: 12/28/2017
SCALE: NTS
SHEET #: 1 OF 1
REV: E

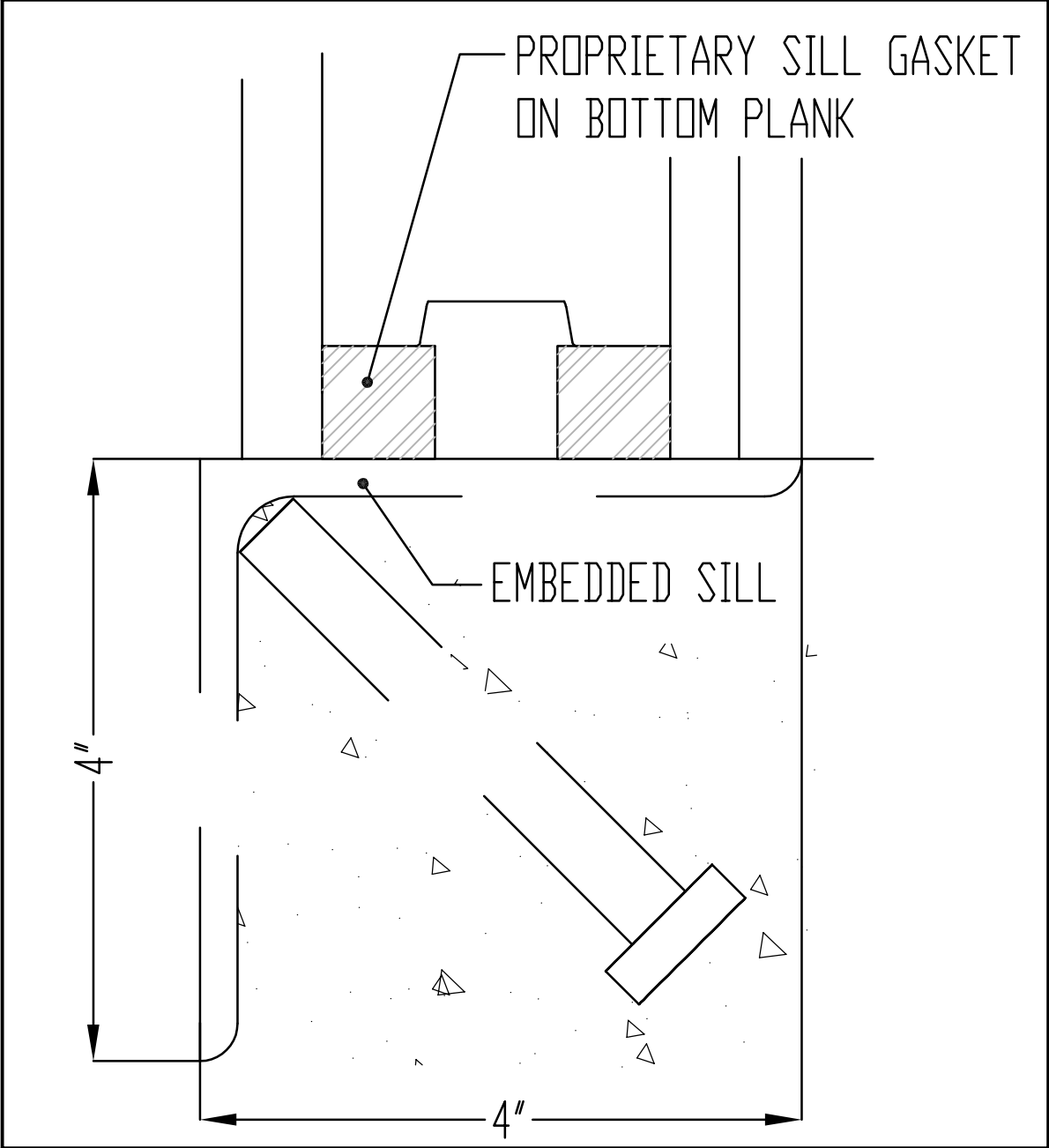
1150 S 48th ST
GRAND FORKS, ND 58201
PH. 701-746-4519
psfloodbarriers.com

MANUFACTURER: BASIS OF DESIGN FOR FLOOD PLANK SYSTEM SHALL BE FP-530 BY PS INDUSTRIES INCORPORATED

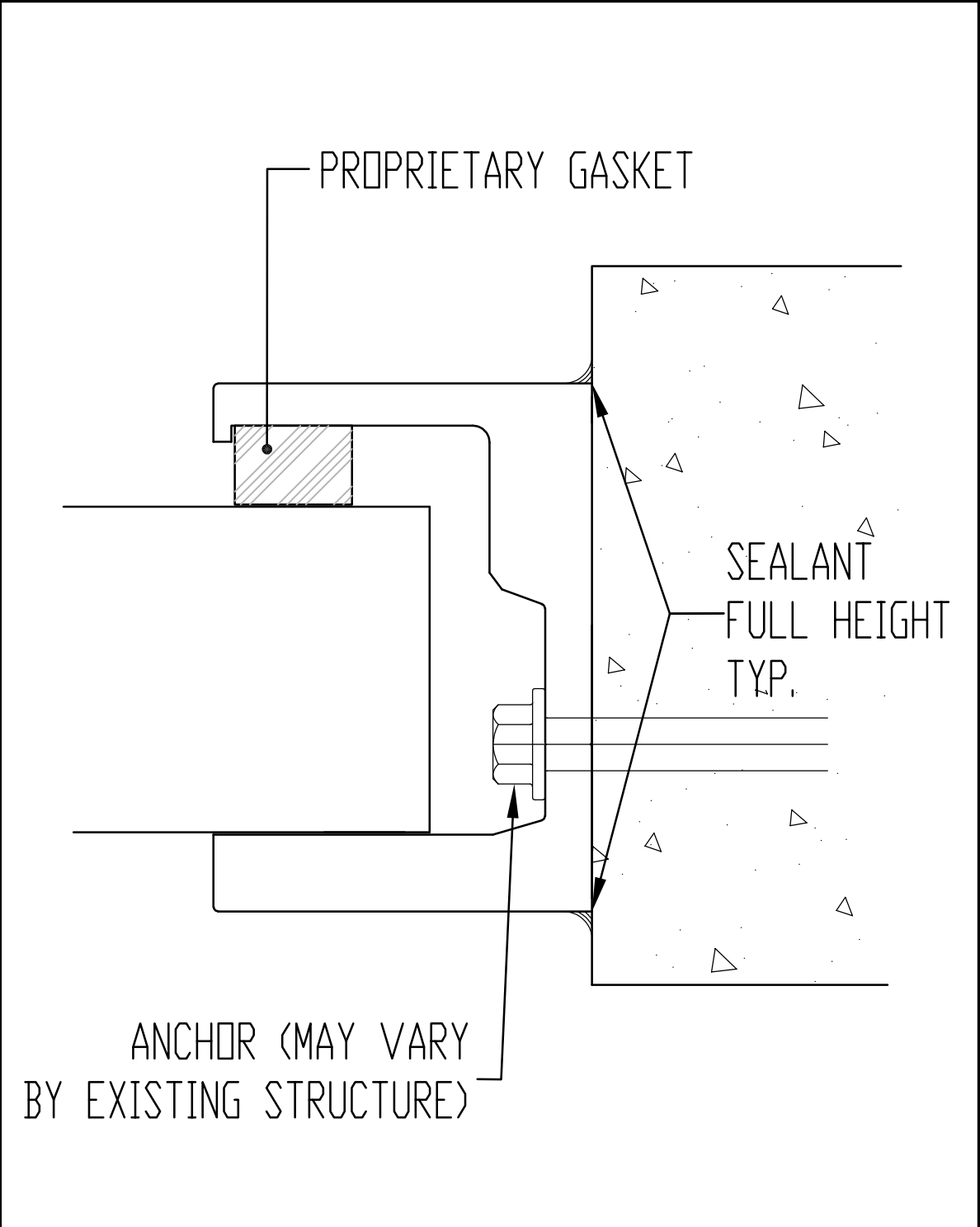
NOTE: DETAILS ON THIS SHEET PERTAINS TO SECTION 08-42-39



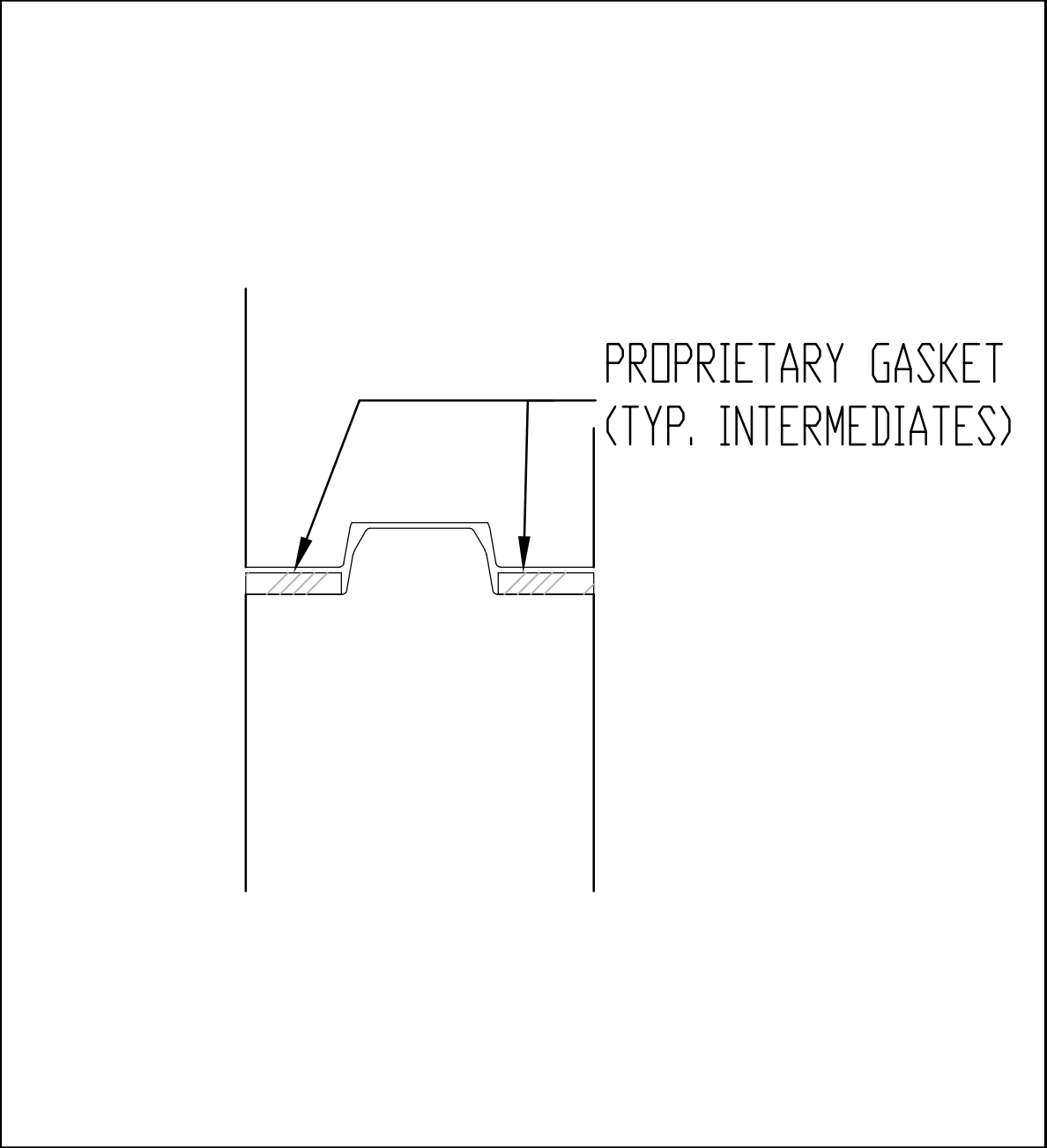
DETAIL C
JAMB DETAIL ①②③



DETAIL E
SILL DETAIL ④



DETAIL D
JAMB DETAIL ①②③



DETAIL F
INTERMEDIATE DETAIL

PA

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Principal-in-Charge: Andrew M. Holesko, C.M.
Project Manager: Christopher Nardone, AIA
Designed by: Emily Bredestege

Revisions
No. Date By Description
1 5/22/21 EMB ADDENDUM #1

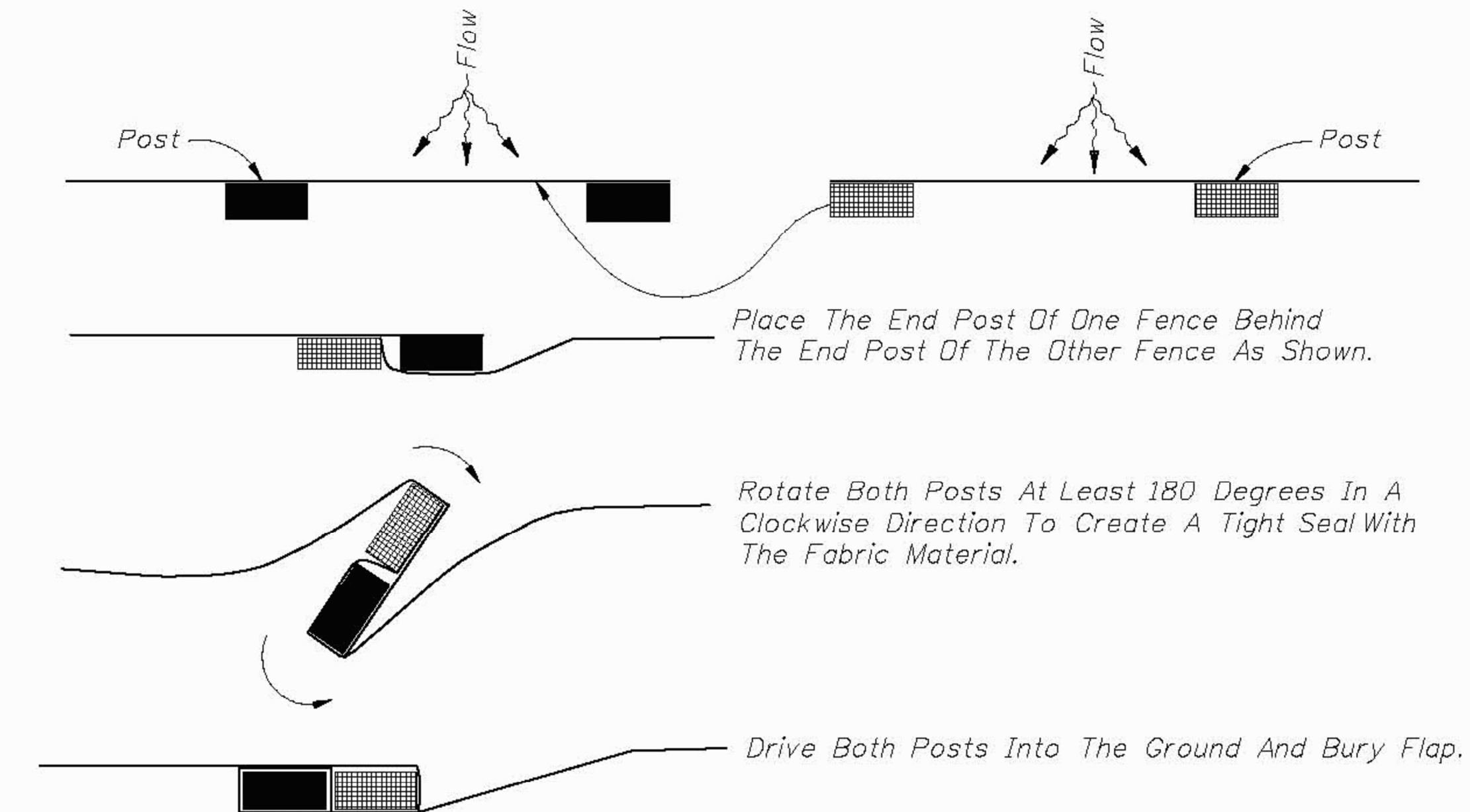
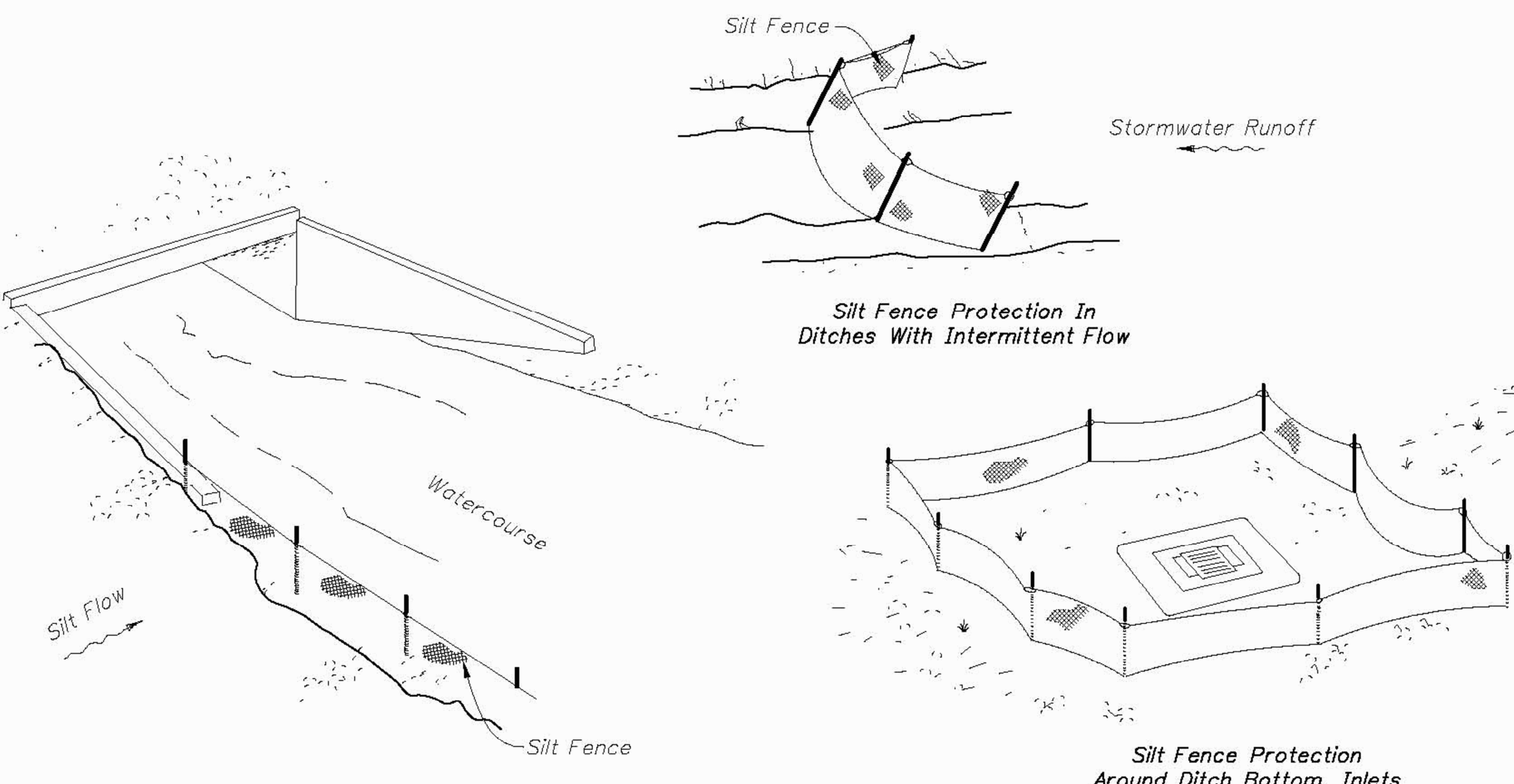
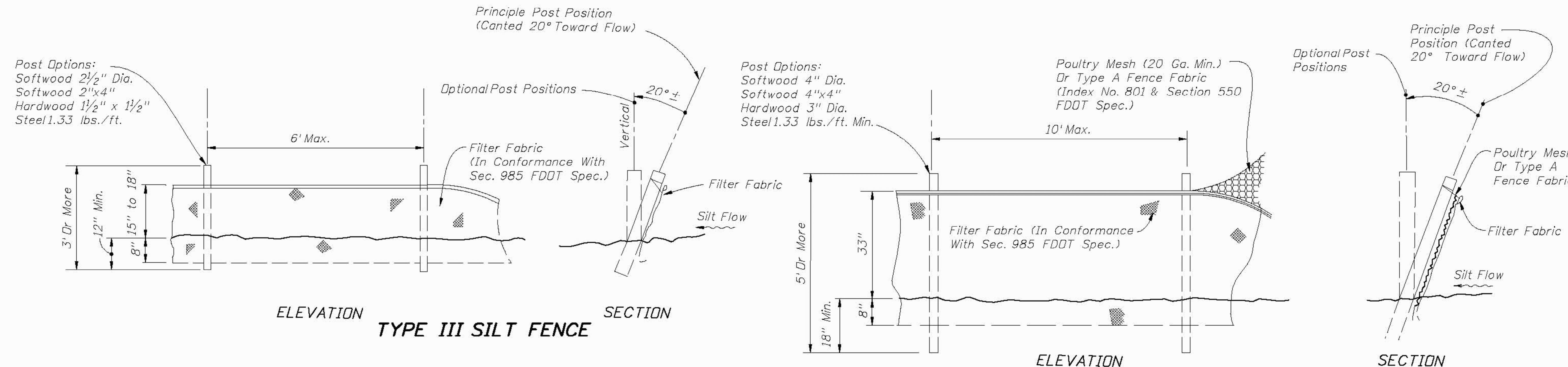
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FP-530 FLOOD PLANK SYSTEM BETWEEN JAMB MOUNT DETAILS

Amelia River Waterfront Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida
Project No. 99000047.0095

Drawing No. C3-7
Date May 20, 2021

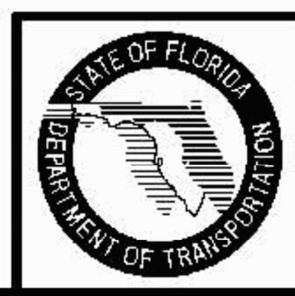
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JOINING TWO SILT FENCES

NOTES FOR SILT FENCES

1. Type III Silt Fence to be used at most locations. Where used in ditches, the spacing for Type III Silt fence shall be in accordance with Chart 1, Sheet 1.
2. Type IV Silt Fence to be used where large sediment loads are anticipated. Suggested use is where fill slope is 1:2 or steeper and length of slope exceeds 25 feet. Avoid use where the detained water may back into travel lanes or off the right of way.
3. Do not construct silt fences across permanent flowing watercourses. Silt fences are to be at upland locations and turbidity barriers used at permanent bodies of water.
4. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
5. Silt Fence to be paid for under the contract unit price for Staked Silt Fence, (LF).



2010 FDOT Design Standards		Last Revision	Sheet No.
TEMPORARY EROSION AND SEDIMENT CONTROL		07/01/05	3 of 3
		Index No.	
		102	

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Principal-in-Charge: Andrew M. Holesko, C.M.
Project Manager: Christopher Nardone, AIA
Designed by: Emily Bredesteste

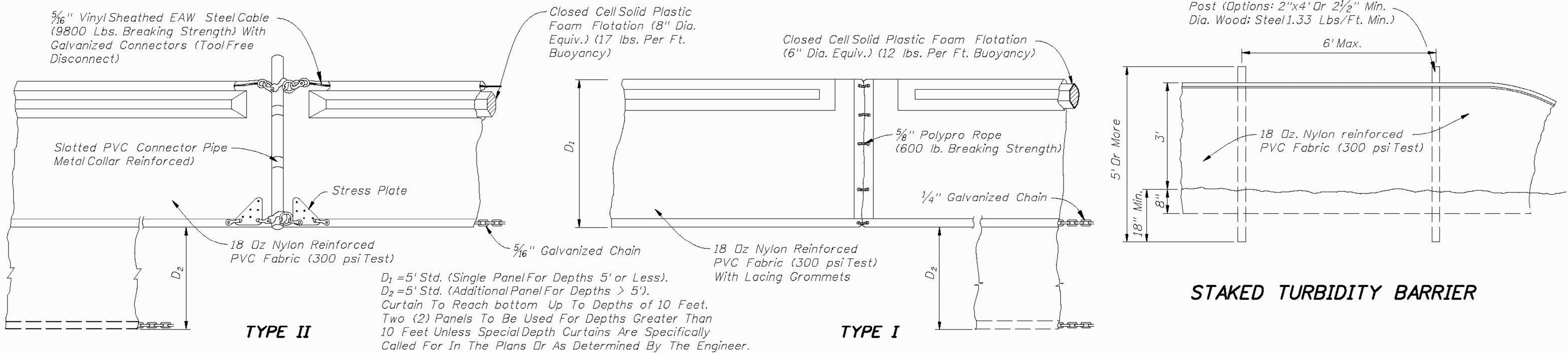
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FDOT EROSION AND SEDIMENT CONTROL DETAILS

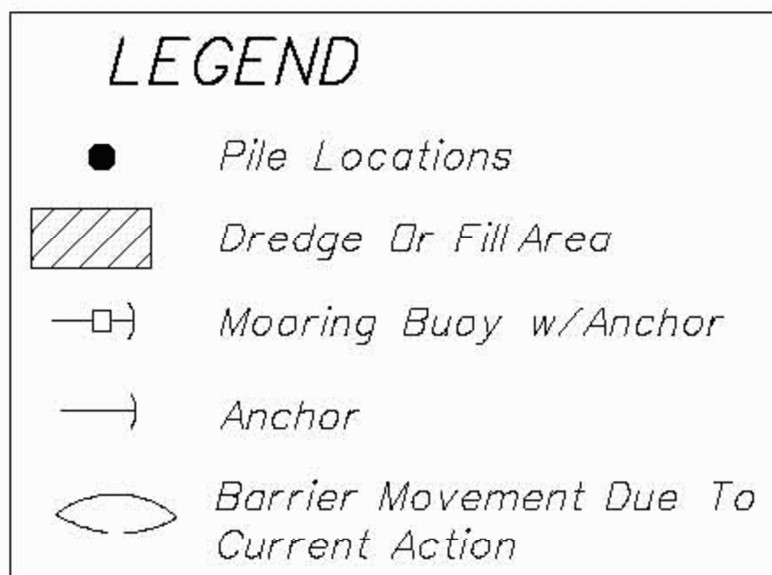
Amelia River Waterfront Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida
Project No. 99000047.0095
Drawing No. **C3-8**
Date May 20, 2021

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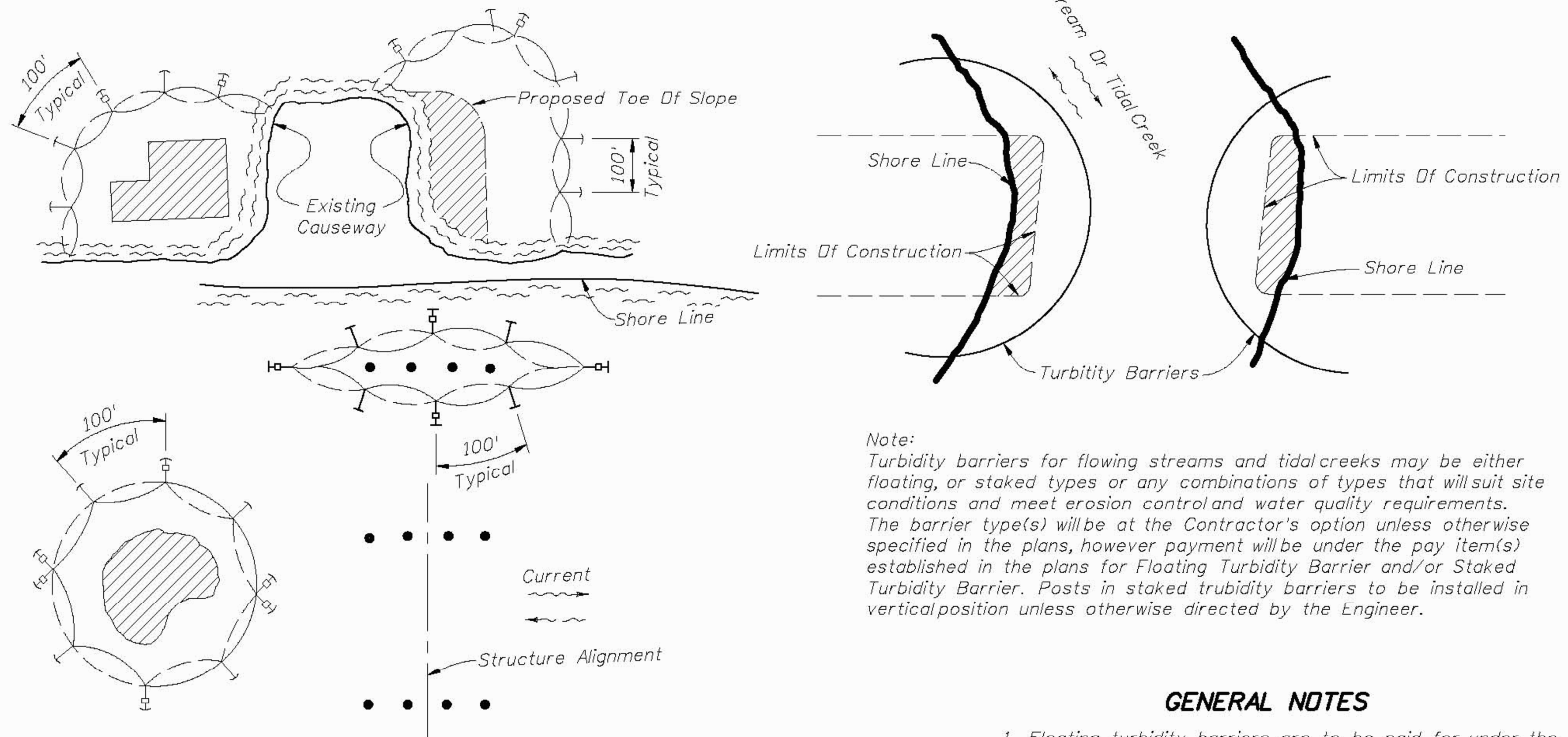


NOTICE:
COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS



- Notes:
1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
 2. Number and spacing of anchors dependent on current velocities.
 3. Deployment of barrier around pile locations may vary to accommodate construction operations.
 4. Navigation may require segmenting barrier during construction operations.
 5. For additional information see Section 104 of the Standard Specifications.



Note:
Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractor's option unless otherwise specified in the plans, however payment will be under the pay item(s) established in the plans for Floating Turbidity Barrier and/or Staked Turbidity Barrier. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.

GENERAL NOTES

1. Floating turbidity barriers are to be paid for under the contract unit price for Floating Turbidity Barrier, LF.
2. Staked turbidity barriers are to be paid for under the contract unit price for Staked Turbidity Barrier, LF.

TURBIDITY BARRIER APPLICATIONS



2010 FDOT Design Standards

TURBIDITY BARRIERS

Last Revision
07/01/07
Sheet No.
1 of 1
Index No.
103



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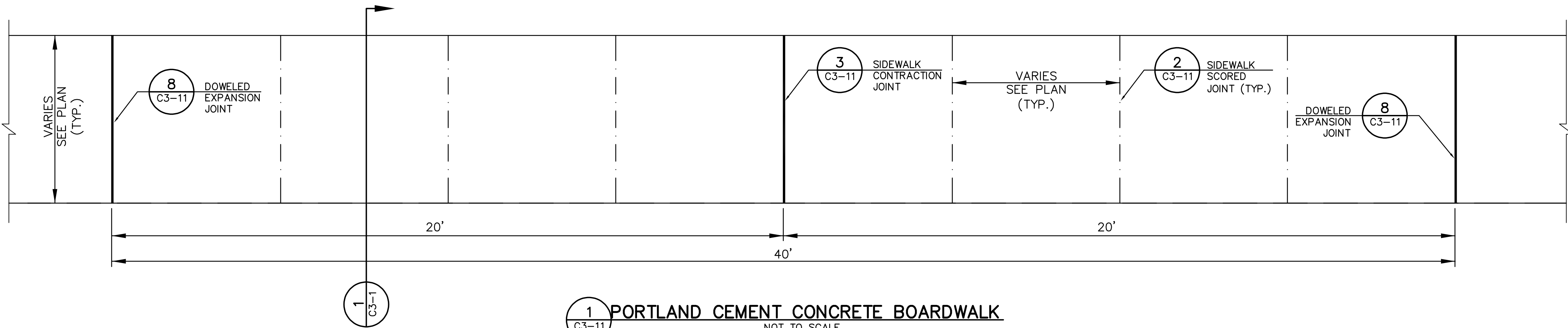
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FDOT EROSION AND SEDIMENT CONTROL DETAILS

Amelia River Waterfront Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida
Project No.
99000047.0095
Drawing No.
C3-9
Date
May 20, 2021

36. The Contractor is responsible for obtaining all necessary permits, including any applicable NPDES permits.

Drawing name: F:\PASSERO\FHB 99000047.0095 FHB Waterfront\Airport\C3-01_TYP-SECT.dwg C3-11_PWT-JOIN-DETL May 20, 2021 1:28pm by: Ebredestege

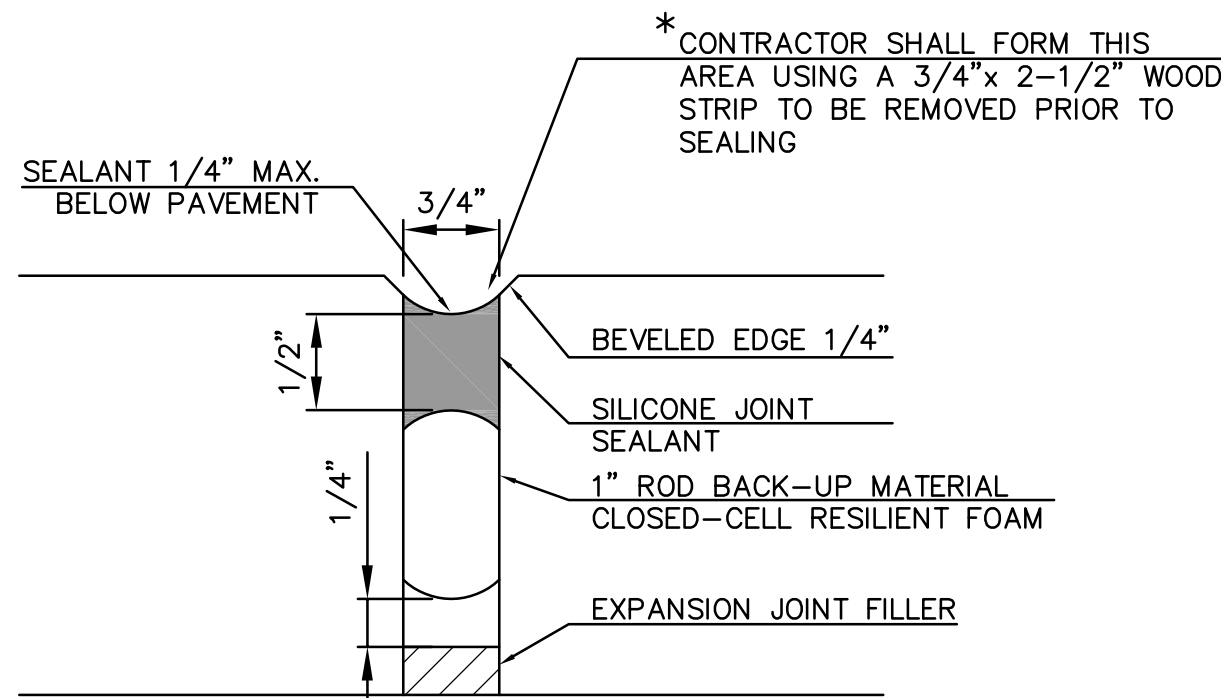


JOINT LOCATION NOTES:

FOR ENTIRE LENGTH OF NEW WALKWAY:

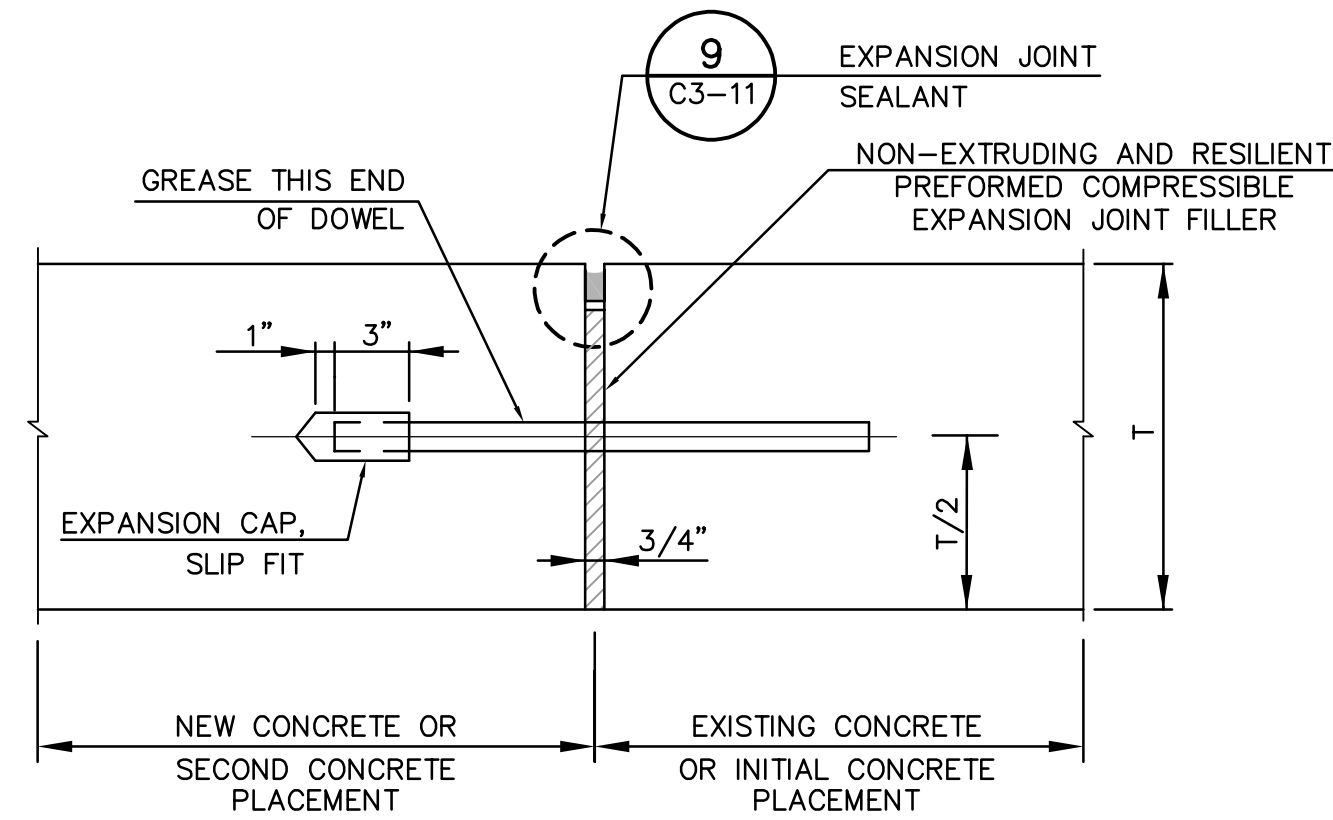
- 1/2" EXPANSION JOINTS ARE TO BE LOCATED AT 40' INTERVALS.
- CONTRACTION JOINTS ARE TO BE LOCATED 20' INTERVALS.
- CONSTRUCTION JOINTS ARE TO LOCATED AS DIRECTED BY THE ENGINEER.
- FOR SIDEWALKS MORE THAN 10' WIDE LONGITUDINAL JOINTS ARE REQUIRED. JOINT SPACING SHALL BE DETERMINED BY THE ENGINEER BUT WILL RESULT IN EQUALLY SPACED LONGITUDINAL JOINTS NOT EXCEEDING 10' IN WIDTH.
- COST FOR ALL SIDEWALK JOINTS, JOINTS BETWEEN SIDEWALK AND OTHER PAVEMENTS/CURBS AND SEALANTS SHALL BE CONSIDERED INCIDENTAL TO COST OF SIDEWALK.
- JOINTS SHALL BE LOCATED AT ANY CHANGE IN DIRECTION ON BOARDWALK. WHERE THE CHANGE IN DIRECTION EXCEEDS 10 DEGREES, TWO JOINTS SHALL BE PLACED STARTING AT THE "I"-CORNER AND EXTENDING PERPENDICULAR TO THE OPPOSITE END OF THE BOARDWALK.

1 PORTLAND CEMENT CONCRETE BOARDWALK C3-11 NOT TO SCALE



9 DETAIL J EXPANSION JOINT SEAL C3-11 NOT TO SCALE

* 1/2" WHERE NOTED ON PLANS ADJUST FORM AS REQUIRED

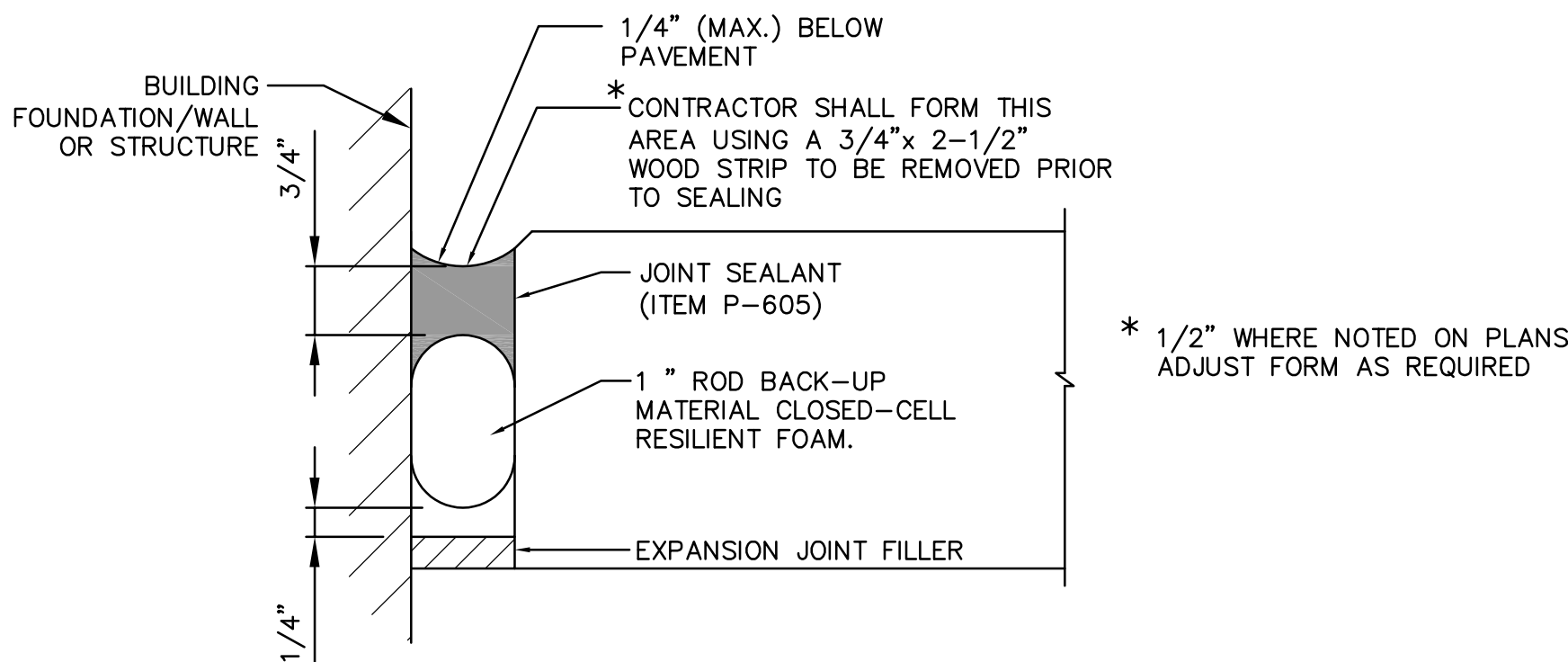


8 DOWELED EXPANSION JOINT C3-11 NOT TO SCALE

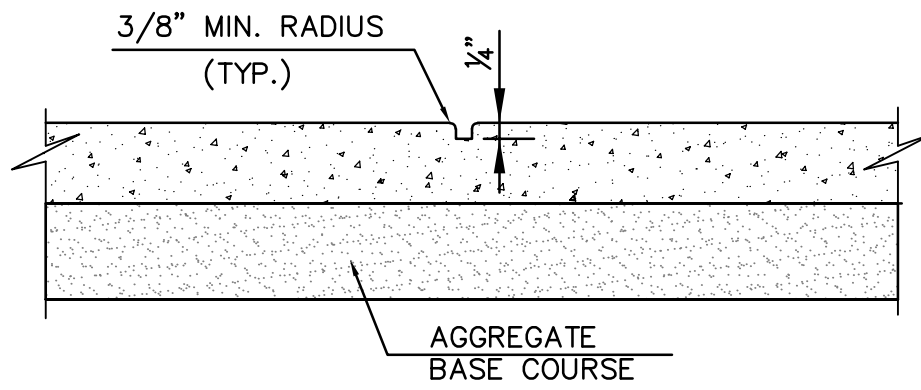
NOTE:
DOWEL BARS SHALL BE PLAIN SMOOTH STEEL BARS CONFORMING TO ASTM A615. BARS SHALL BE 1" DIA. BY 18" LONG, SPACED AT 12" O.C.

NOTES FOR DRILLING AND INSTALLING DOWEL BARS:

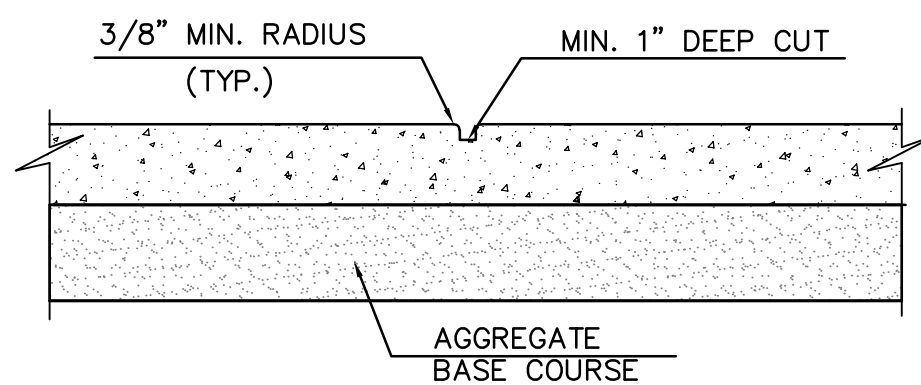
- DRILLING METHOD SHALL BE CAPABLE OF MAINTAINING DRILL HOLES PARALLEL TO THE CONCRETE SURFACE AND NORMAL TO THE JOINT LINE WITHIN 1/4" ± AT THE END OF THE DOWEL BAR. DRILL HOLES SHALL BE ACCURATELY LAID OUT SO THAT THE MAXIMUM DEVIATION DOES NOT EXCEED 1". DRILL HOLE DIAMETER TO BE APPROXIMATELY 1 3/4". A MINIMUM OF THREE DAYS CURE TIME IS REQUIRED FOR DRILLING NEW CONCRETE UNLESS APPROVED BY THE ENGINEER.
- AFTER DRILLING IS COMPLETE AND PRIOR TO THE INSTALLATION OF THE DOWELS, THE HOLES SHALL BE THOROUGHLY CLEANED TO REMOVE DRILLING DUST, CONCRETE CHIPS AND ANY MATERIAL DETRIMENTAL TO DEVELOPING BOND.
- EPOXY MORTAR SHALL BE INSERTED INTO THE BACK OF THE DOWEL HOLE BY INJECTION NOZZLE AND SUFFICIENT MORTAR PLACED IN THE HOLE SO THAT A SLIGHT AMOUNT OF MORTAR WILL BE FORCED OUT WHEN THE DOWEL IS INSERTED AND TAPPED TO THE CORRECT POSITION. SMALL WEDGES MAY BE USED TO SUPPORT THE DOWEL IN THE CORRECT ALIGNMENT UNTIL THE MORTAR HARDENS. CONTRACTOR SHALL SUBMIT PROPOSED EPOXY MORTAR INFORMATION FOR APPROVAL BY THE ENGINEER PRIOR TO STARTING THIS WORK.



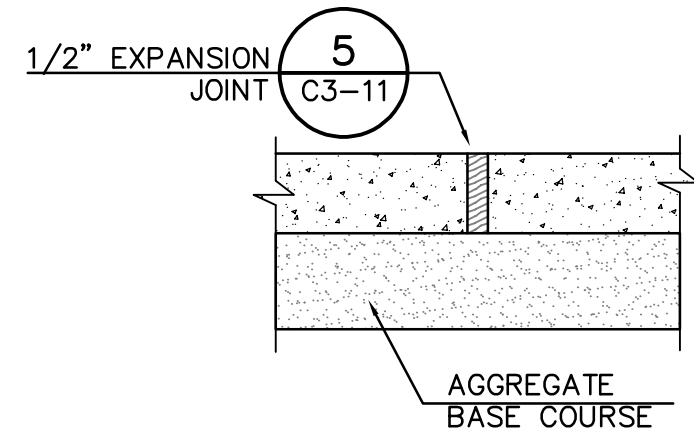
10 EXPANSION JOINT SEALANT AT BUILDINGS AND STRUCTURES C3-11 NOT TO SCALE



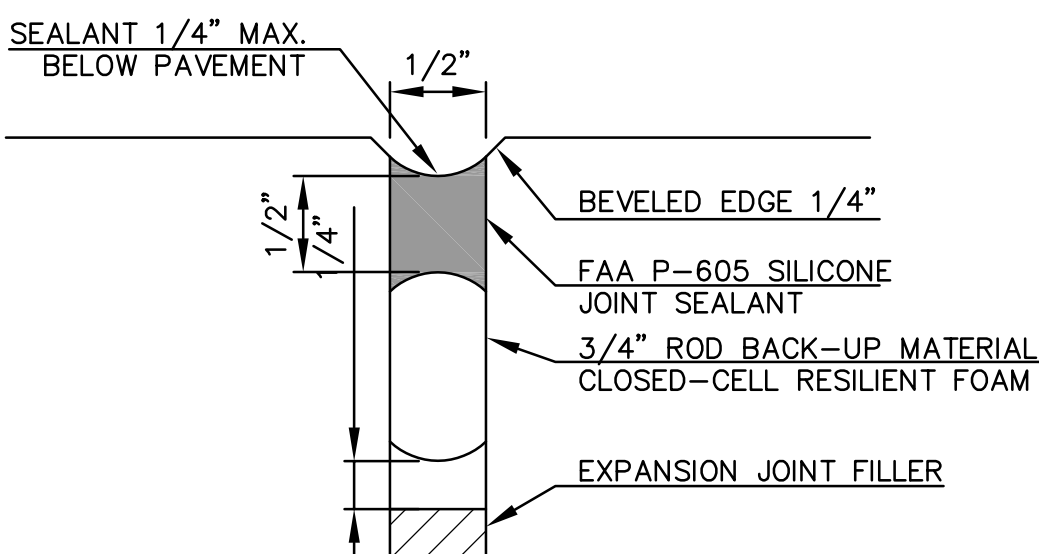
2 SIDEWALK SCORED JOINT C3-11 NOT TO SCALE



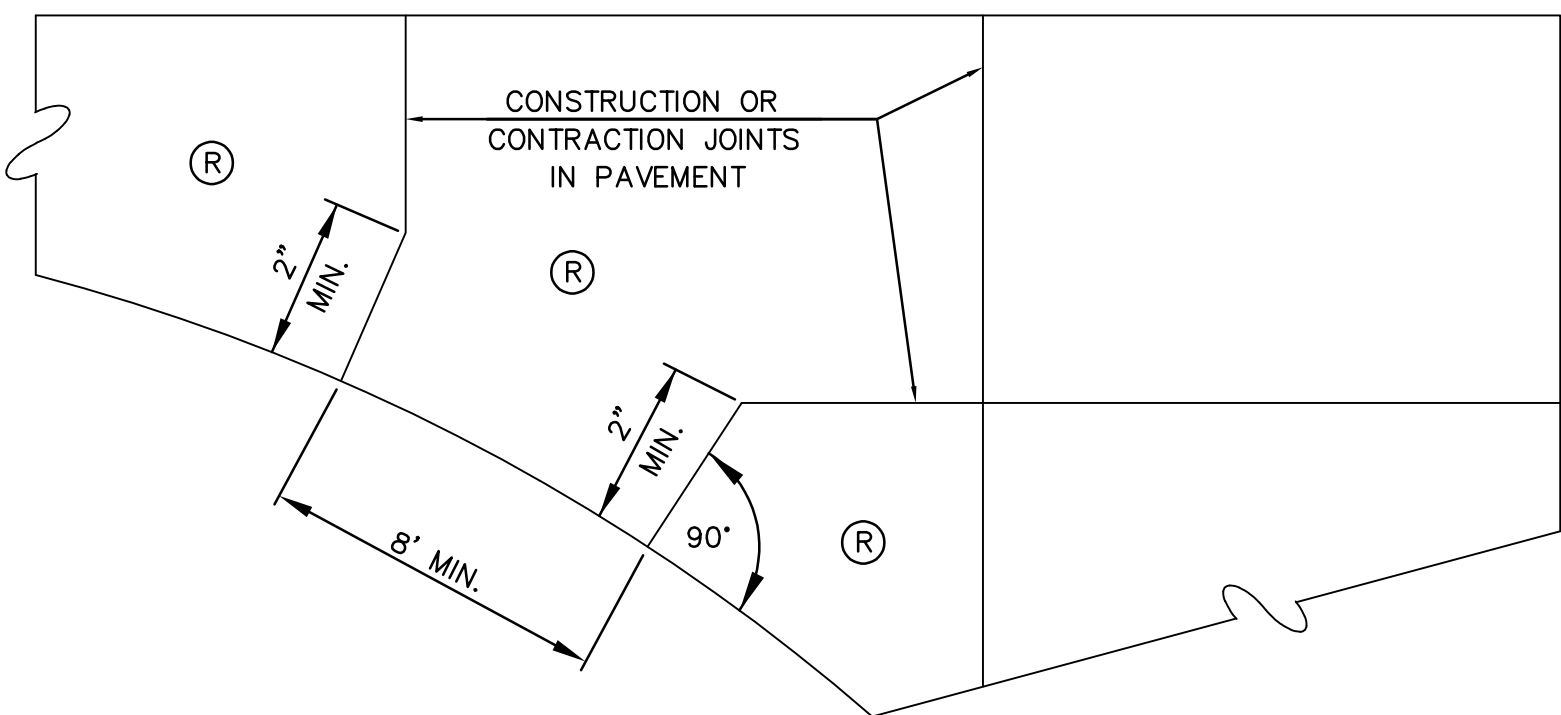
3 SIDEWALK CONTRACTION JOINT C3-11 NOT TO SCALE



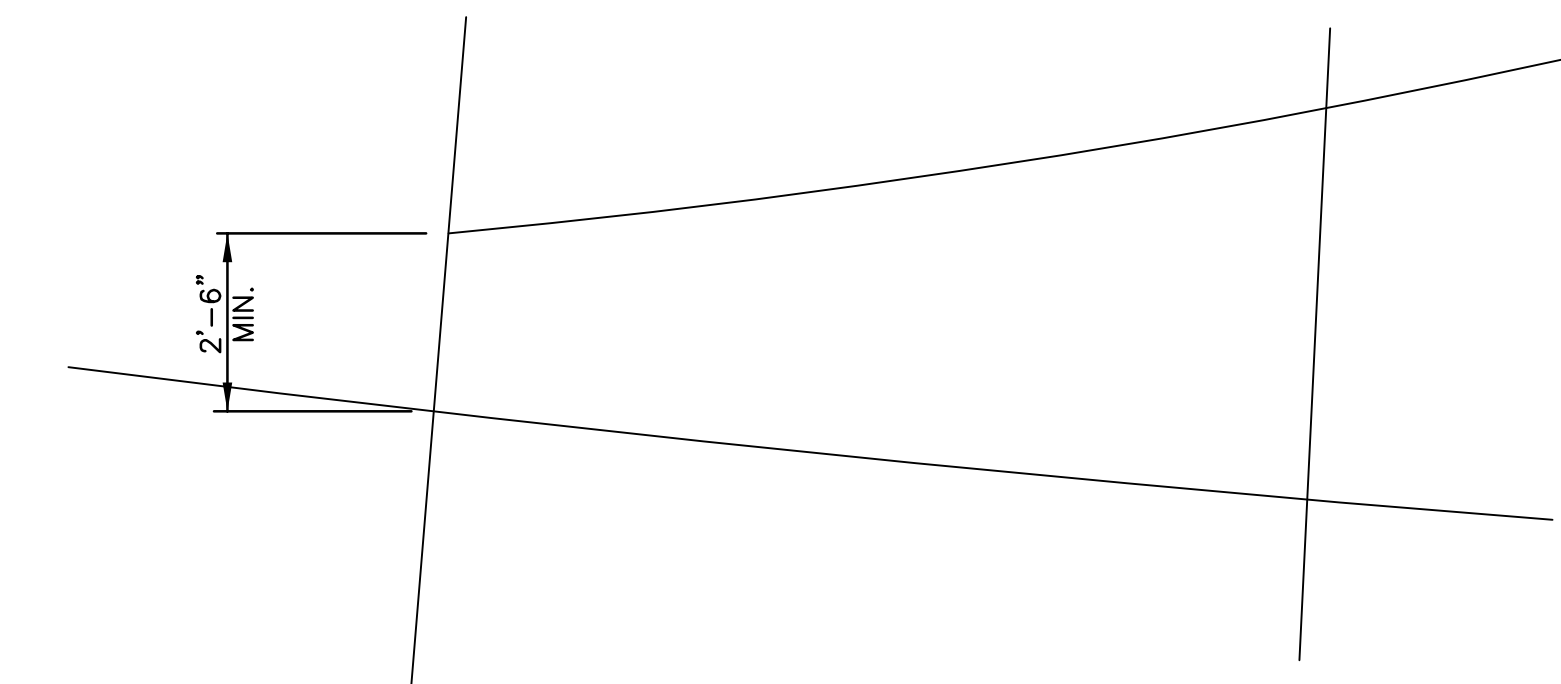
4 SIDEWALK EXPANSION JOINT C3-11 NOT TO SCALE



5 DETAIL J EXPANSION JOINT SEAL C3-11 NOT TO SCALE



6 MINIMUM DISTANCE BETWEEN JOINTS ON CURVE AND ANGLED JOINT OR EDGE OF PAVEMENT DETAIL C3-11 NOT TO SCALE

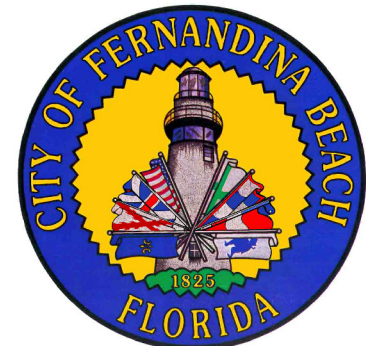


7 CONCRETE PAVEMENT MINIMUM PANEL DIMENSIONS C3-11 NOT TO SCALE

TRC SET

Stamp:

Client:



City of Fernandina Beach

204 Ash St.

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Passero Associates

4730 Casa Cola Way, Suite 200 (904) 757-6106
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Certificate of Authorization # 3428
Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredestege

Revisions

No.	Date	By	Description

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BOARDWALK JOINT DETAILS

Amelia River Waterfront
Stabilization
Parking Lots C & D

Town/City: Fernandina Beach

County: Nassau State: Florida

Project No.

99000047.0095

Drawing No.

C3-11

Date

May 20, 2021

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rd960rh
5/21/2012

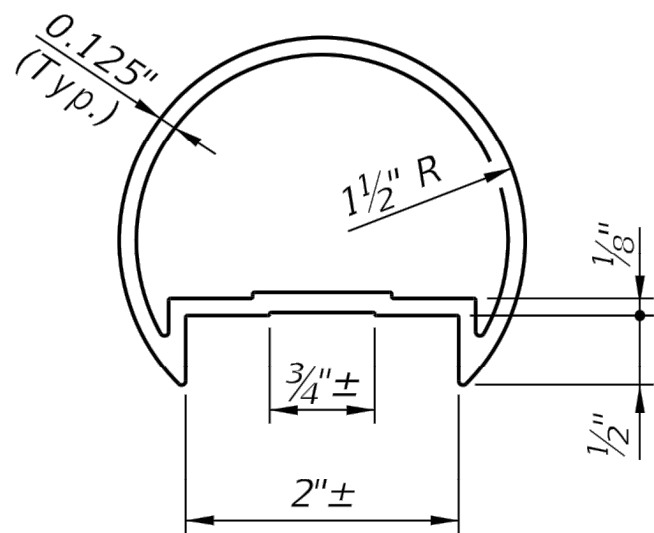


3D VIEW OF RAILING WITH TYPE 1 - PICKET INFILL PANEL
(42" Height shown, 54" Height Similar)

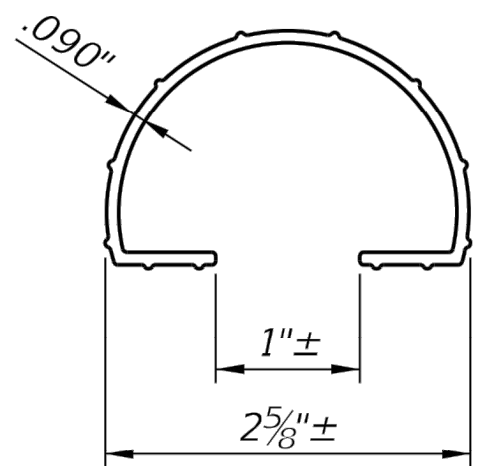
TABLE 1 - RAILING MEMBERS				
MEMBER	ALLOY ⁽¹⁾	DESIGNATION	OUTSIDE DIMENSION	WALL THICKNESS
Posts	6061-T6	RT 2x2x.250	2.00" x 2.00"	0.250"
Top Rail	6061-T6	2½" NPS (Sch. 10) 3" Round Top Cap Rail	2.875" 3.000"	0.120" 0.125"
End Hoops	6063-T5	2½" NPS (Sch. 10) 3.00 OD x 0.125 Wall	2.875" 3.000"	0.120" 0.125"
Top Rail Joint/Splice Sleeves	6063-T5	2.50 OD x 0.125 Wall Top Cap Rail Inner Sleeve	2.500" 2.800"	0.125" 0.090"
Intermediate & Bottom Rail	6061-T6	RT 2x2x.250	2.00" x 2.00"	0.250" ⁽²⁾
Int. & Bottom Rail Post Connection Sleeve	6063-T5	1.50 OD x 0.125 Wall	1.500"	0.125"
Handrail Joint/Splice Sleeves	6063-T5	1" NPS (Sch. 40)	1.315"	0.133"
Handrails	6061-T6	1½" NPS (Sch. 40)	1.900"	0.145"
Handrail Support Bar	6061-T6	¾" Ø Round Bar	0.750"	N/A
Pickets (Type 1 Infill Panel)	6061-T6	¾" Ø Round Bar	0.750"	N/A
Infill Panel Members (Types 2 - 5)	6063-T5	Varies (See Details)	Varies	Varies

TABLE 1 NOTES:

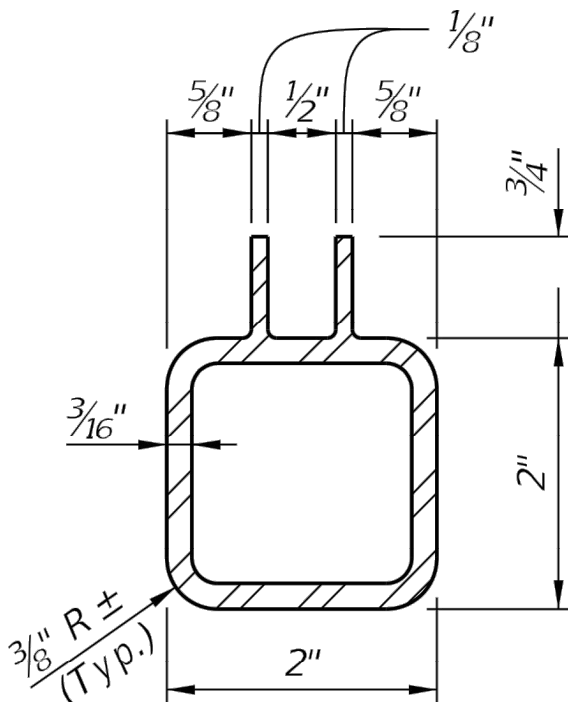
- (1) Alloy 6061-T6 or 6063-T52 & T6 may be substituted for Alloy 6063-T5.
(2) 0.188" wall thickness permitted for rails with post spacings less than 5'-9".



3" ROUND TOP CAP RAIL



TOP CAP RAIL INNER
SPLICE SLEEVE



ALTERNATIVE BOTTOM &
INTERMEDIATE RAIL SECTION
FOR TYPE 3, 4 & 5 RAILINGS

NOTES

DESIGN LOADS, GEOMETRY AND APPLICABILITY:

See the Instructions for Design Standards for the design loads, geometry and applicability requirements.

GENERAL:

Adequate foundation support shall be provided for anchorage and stability against overturning. See Index No. 861 for special requirements and modifications for use on bridges. The railing shown on these drawings requires a handrail for ramps steeper than a 5% grade to conform with the requirements of the Americans with Disabilities Act (ADA).

RAILS, PANELS AND POSTS:

Structural Extrusions, Tube, Pipe and Bar shall be in accordance with Table 1 and ASTM B221 or ASTM B429. Top, bottom and intermediate rail corner bends with maximum 4'-0" post spacing, may be Alloy 6063-T6. Perforated panels (Type 5) shall be Alloy 3003-H14. Posts shall be fabricated and installed plumb, ± 1" tolerance when measured at 3'-6" above the foundation. Pickets and vertical panel elements shall be fabricated parallel to the posts, except that Type 2, 3 & 5 panel infills may be fabricated parallel to the longitudinal grade. Corners and changes in tangential longitudinal alignment shall be made continuous with a 9" bend radius or terminate at adjoining sections with mitered end sections when handrails are not required. For changes in tangential longitudinal alignment greater than 45°, posts shall be positioned at a maximum distance of 2'-0" each side of the corner and shall not be located at the corner apex. For curved longitudinal alignments the top and bottom rails and handrails shall be shop bent to match the alignment radius.

BASE PLATES AND RAIL CAPS:

Base Plates and Post Cap plates shall be in accordance with ASTM B209, Alloy 6061-T6.

SHIM PLATES:

Shim Plates shall be aluminum in accordance with ASTM B209, Alloy 6061 or 6063. Shim plates shall be used for foundation height adjustments greater than ¼" and localized irregularities greater than ⅛".

Field trim shim plates when necessary to match the contours of the foundation. Beveled shim plates may be used in lieu of trimmed flat shim plates shown. Stacked shim plates must be bonded together with adhesive bonding material and limited to a maximum total thickness of ½", unless longer anchor bolts are provided for the exposed thread length.

ANCHOR BOLTS:

Anchor bolts shall be in accordance with ASTM F1554 Grade 36. Headless anchor bolts for Adhesive Anchors shall be threaded full length. Cutting of reinforcing steel is permitted for drilled hole installation. Expansion Anchors are not permitted. All anchor bolts shall have single self-locking hex nuts. Tack welding of the nut to the anchor bolt may be used in lieu of self-locking nuts. All nuts shall be in accordance with ASTM A563 or ASTM A194. Flat Washers shall be in accordance with ASTM F436 and Plate Washers (for long slotted holes only), shall be in accordance with ASTM A36 or ASTM A709 Grade 36. After the nuts have been snug tightened, the anchor bolt threads shall be distorted to prevent removal of the nuts. Distorted threads and tack welds shall be coated with a galvanizing compound in accordance with the Specifications.

RESILIENT AND NEOPRENE PADS:

Resilient and Neoprene pads shall be in accordance with Specification Section 932 except that testing of the finished pads shall not be required. Neoprene pads shall be durometer hardness 60 to 80.

JOINTS:

All welded joints are to be ground smooth. Expansion joints shall be spaced at a maximum 35'-0". Field splices similar to the expansion joint detail may be approved by the Engineer to facilitate handling, but top rail must be continuous across a minimum of two posts.

WELDING:

All welding shall be in accordance with the American Welding Society Structural Welding Code (Aluminum) ANSI/AWS D1.2 (current edition). Filler metal shall be either ER5183, ER5356 or ER5556. Nondestructive testing of welds is not required. Filler metal for plug welds and bend splices may be ER4043.

COATINGS:

The aluminum railing shall be mill finish unless otherwise noted in the Contract Documents. All nuts, bolts and washers shall be hot-dip galvanized in accordance with Specification Section 962.

SHOP DRAWINGS:

Complete details addressing project specific geometry (line & grade) showing post and expansion joint locations, post and panel type, anchor bolt installation "Case" or lengths, must be submitted by the Contractor for the Engineer's approval prior to fabrication of the railing. Shop drawings shall be in accordance with the Specifications.

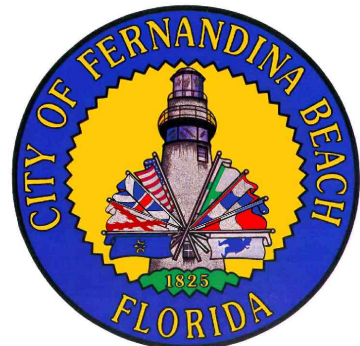
PAYMENT:

Railing shall be paid for per linear foot (Item No. 515-2-abb). Payment will be plan quantity measured as the length along the center line of the top rail, and includes rails, posts, pickets, panels, rail splice assembly, base plates, anchor bolts, nuts, washers, resilient or neoprene pads and all incidental materials and labor required to complete installation of the railing.

TRC SET

Stamp:

Client:



City of Fernandina Beach

204 Ash St.

Fernandina Beach, Florida, 32034

Passero Associates

4730 Casa Cola Way, Suite 200 (904) 757-6106
St. Augustine, FL 32085 Fax: (904) 757-6107
Certificate of Authorization # 3428
Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredesteg

Revisions

No.	Date	By	Description

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**FDOT
ALUMINUM
RAILING
DETAILS**

Amelia River Waterfront

Stabilization

Parking Lots C & D

Town/City: Fernandina Beach

County: Nassau State: Florida

Project No.
99000047.0095

Drawing No.

C4-1

Date
May 20, 2021

LAST
REVISION
01/01/12

DESCRIPTION:



**FDOT DESIGN STANDARDS
2013**

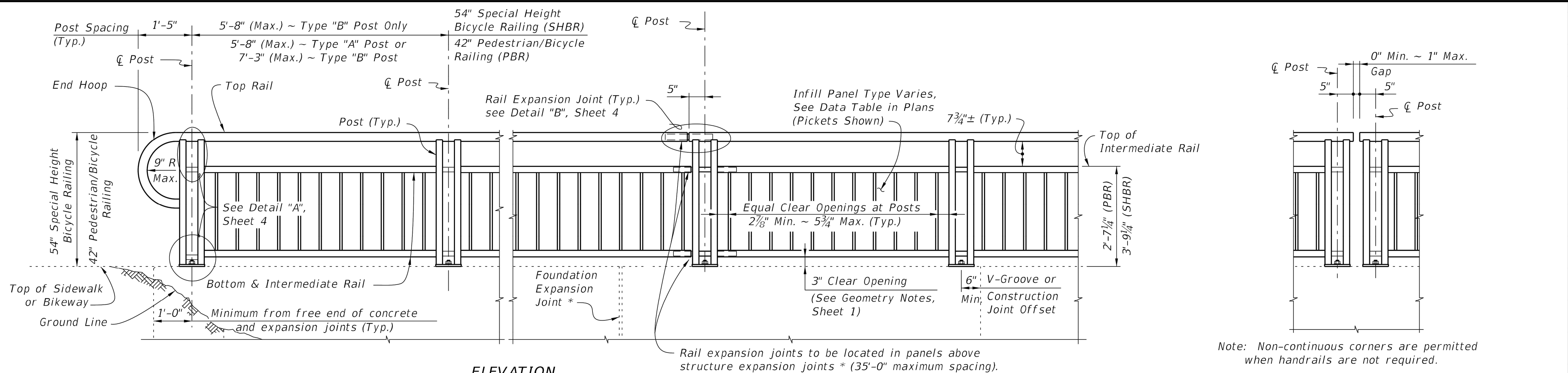
ALUMINUM PEDESTRIAN/BICYCLE RAILING

INDEX
NO.
862

SHEET
NO.
1

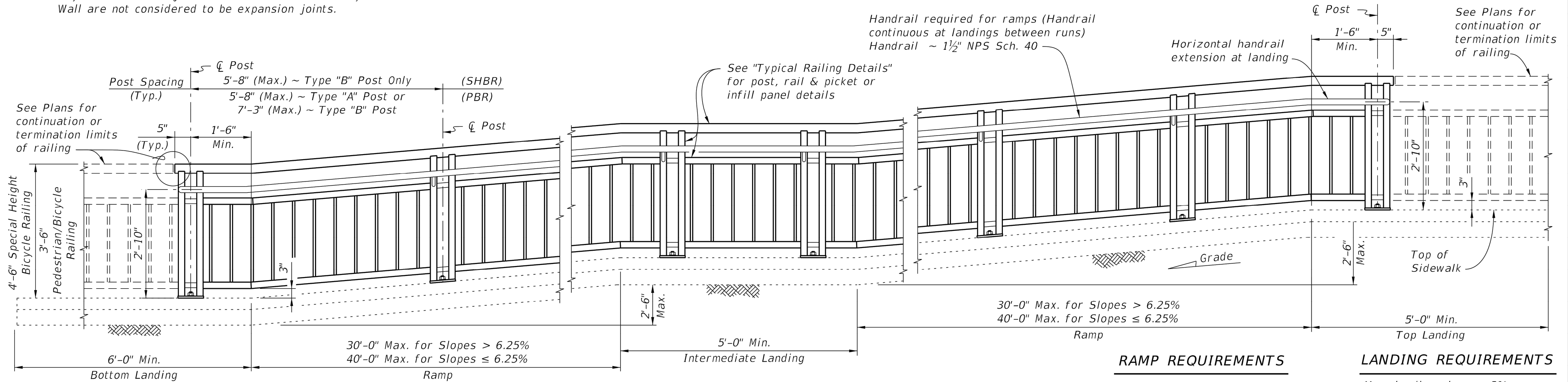


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C4-3_FDOT-RAIL May 20, 2021 2:02pm by: EBredestage



ELEVATION
(Showing Outside Face of Railing with Type "A" Posts)
TYPICAL RAILING DETAILS & RAILINGS ON GRADES 0% TO 5%
(Type 1 - Picket Railing Shown, Other Types Similar)

NOTES:
* Keyed construction joints in Index No. 6011 Gravity Wall are not considered to be expansion joints.



ELEVATION
(Showing Inside Face of Railing with Type "A" Posts)
RAILINGS ON GRADES STEEPER THAN 5%
(Type 1 - Picket Railing Shown, Other Types Similar)

RAMP REQUIREMENTS

For slopes greater than 5%:
Max. ramp slope = 8.33%
Max. ramp cross-slope = 2.0%

LANDING REQUIREMENTS

Max. landing slope = 2%
Max. landing cross-slope = 2%

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204 Ash St.
Fernandina Beach, Florida, 32034

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St. Augustine, FL 32085 Fax: (904) 757-6107
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Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
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Revisions

No.	Date	By	Description

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**FDOT
ALUMINUM
RAILING
DETAILS**

Amelia River Waterfront
Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida

Project No.
99000047.0095

Drawing No.
C4-3

Date
May 20, 2021



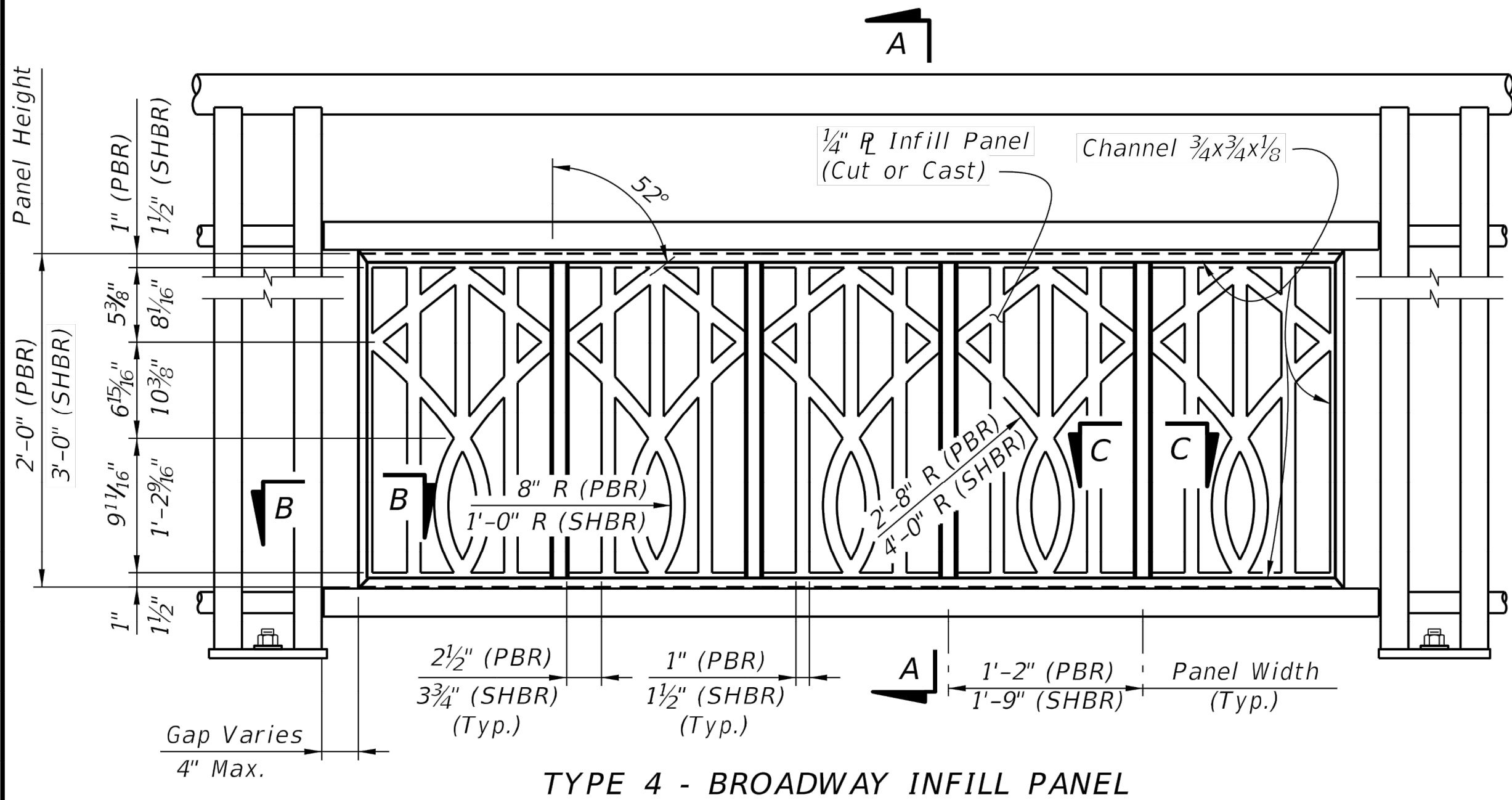
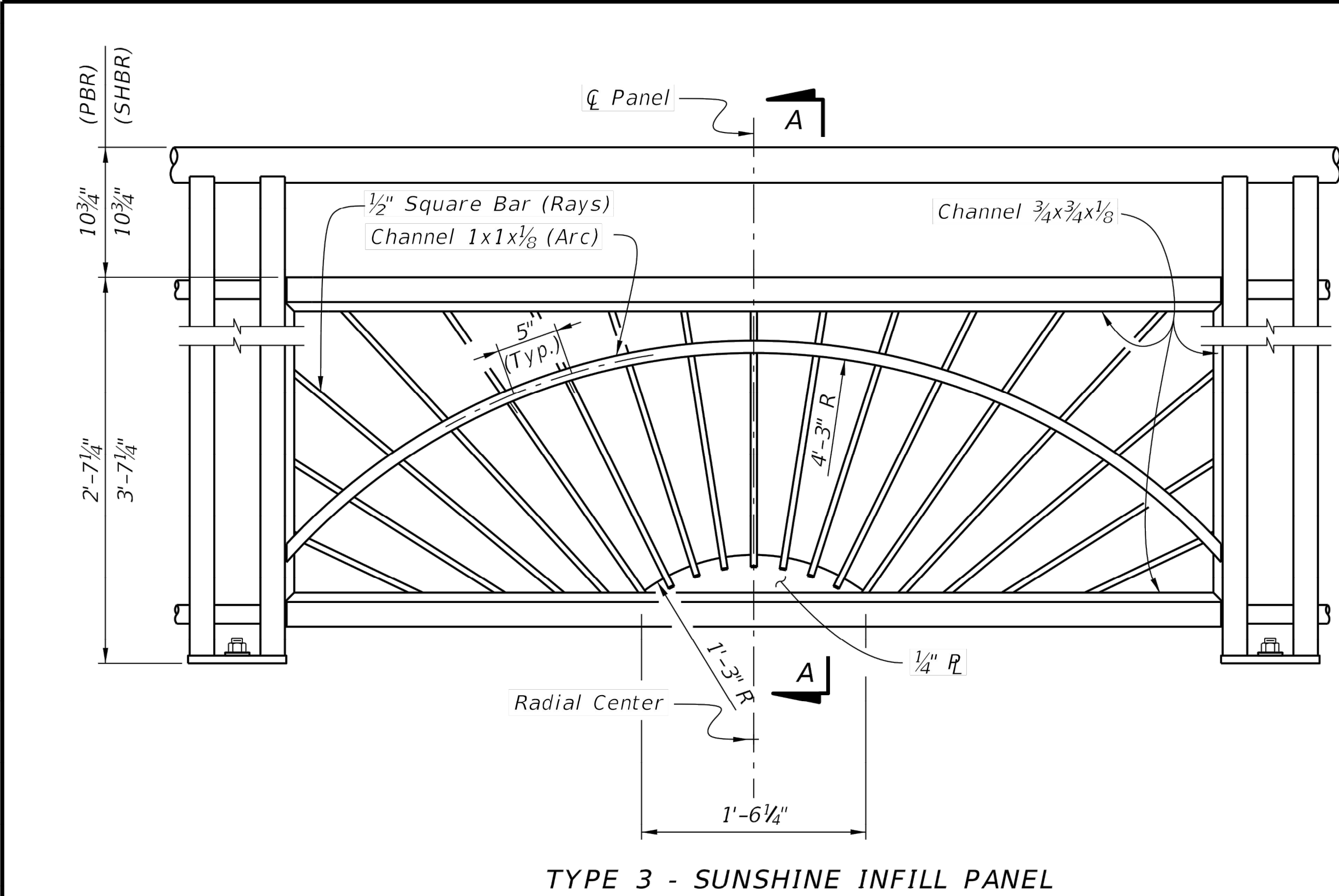
FDOT DESIGN STANDARDS
2013

ALUMINUM PEDESTRIAN/BICYCLE RAILING

INDEX
NO.
862

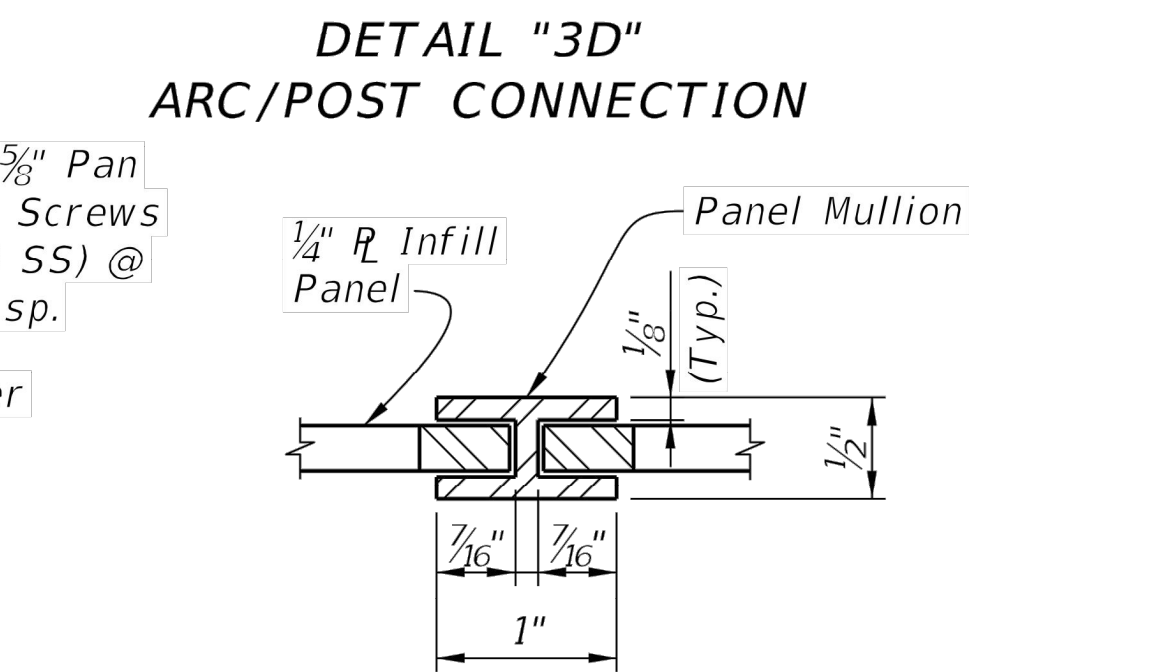
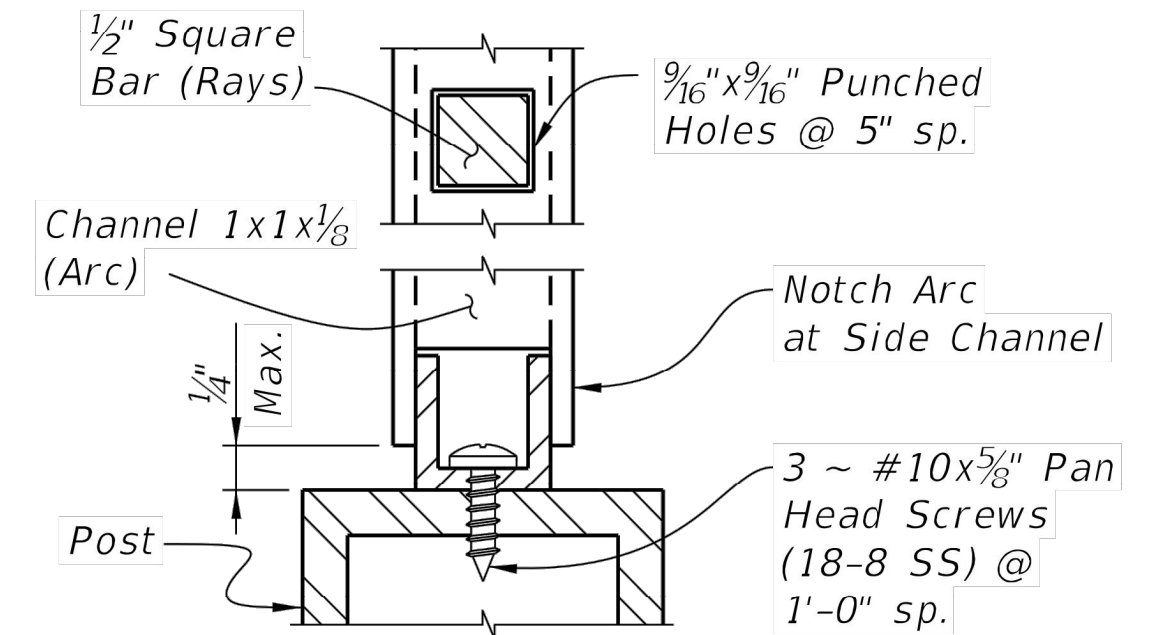
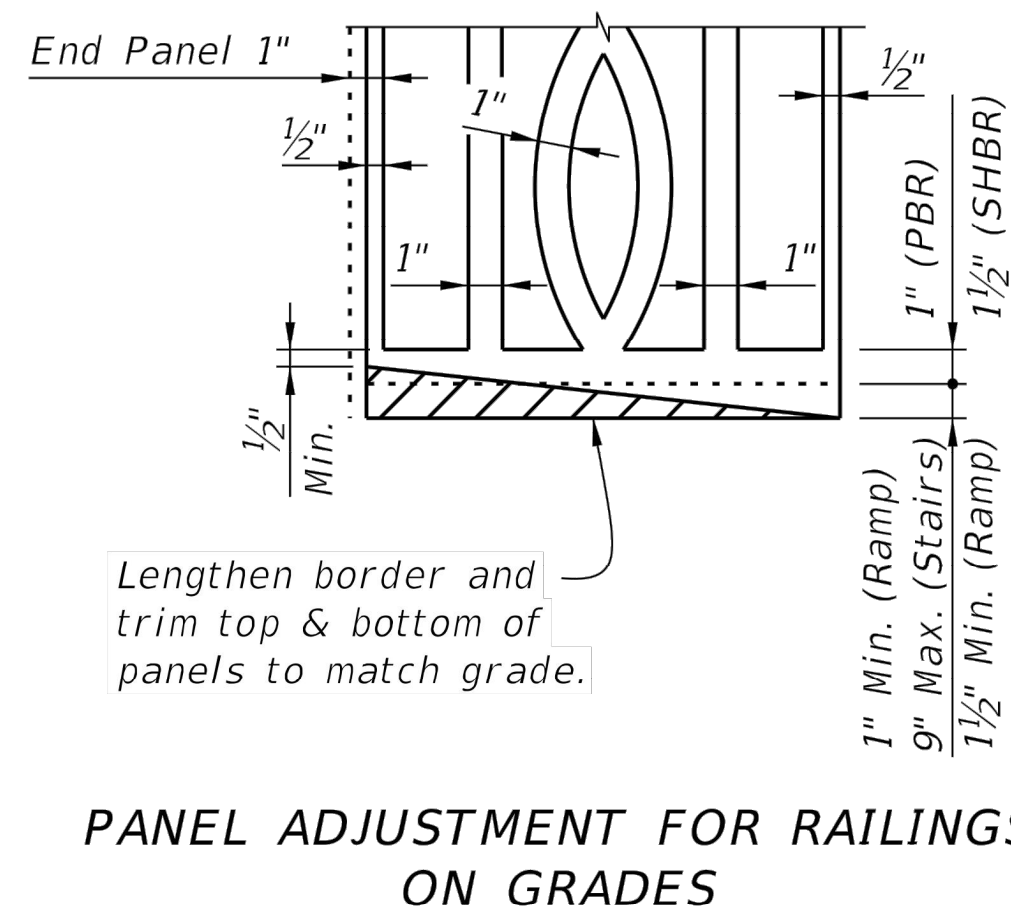
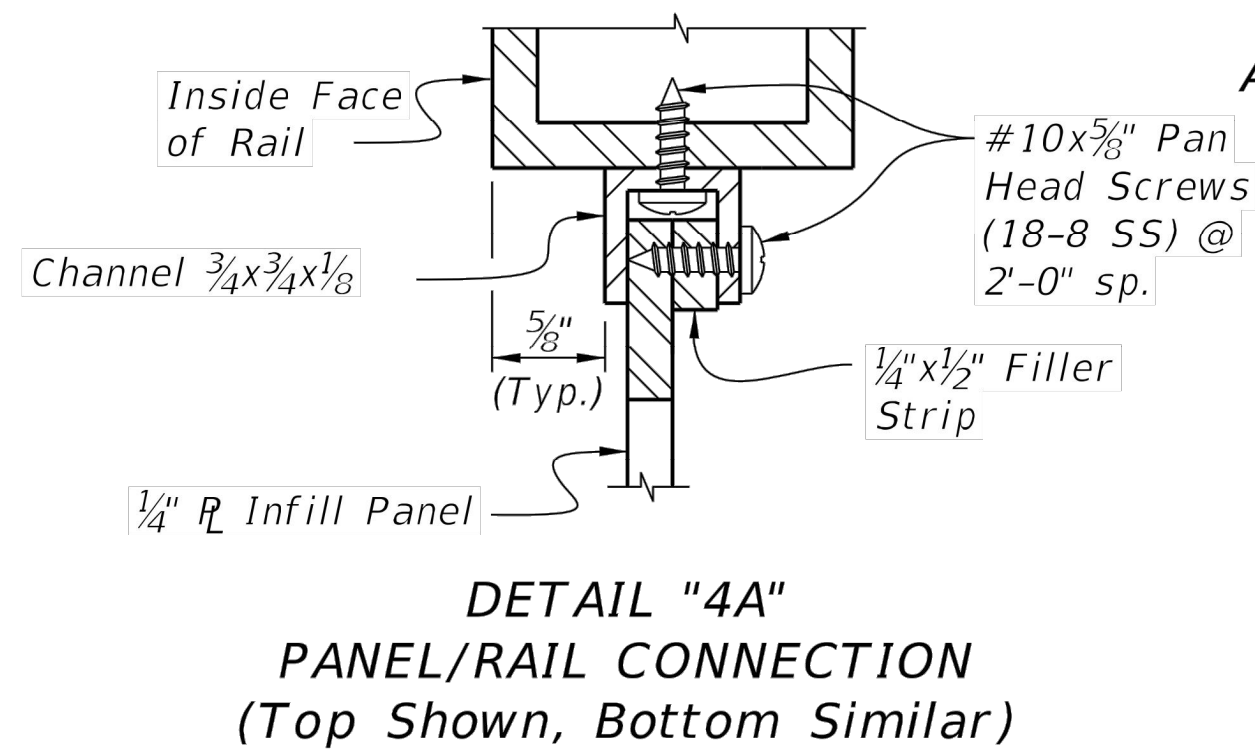
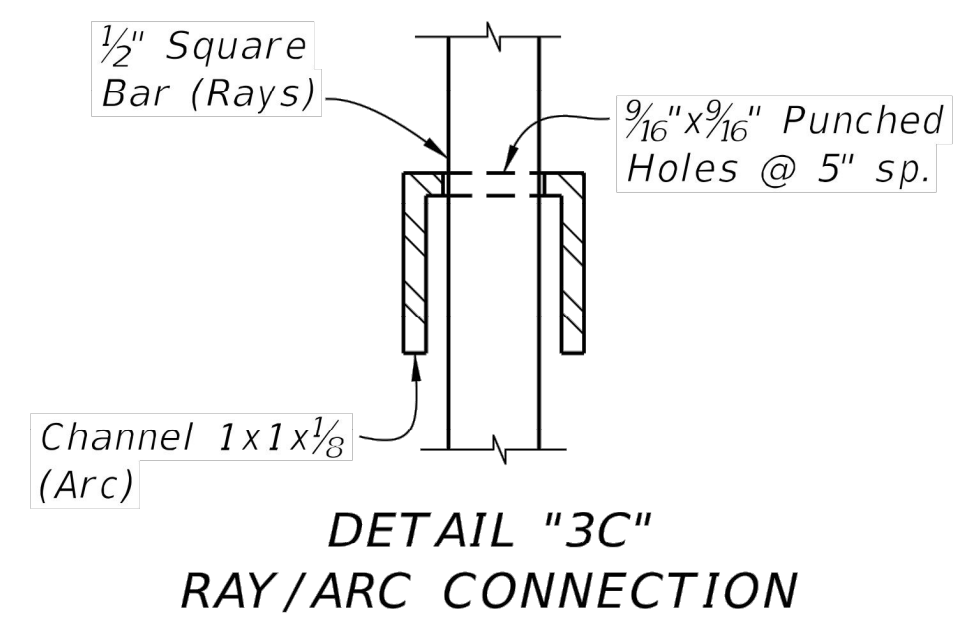
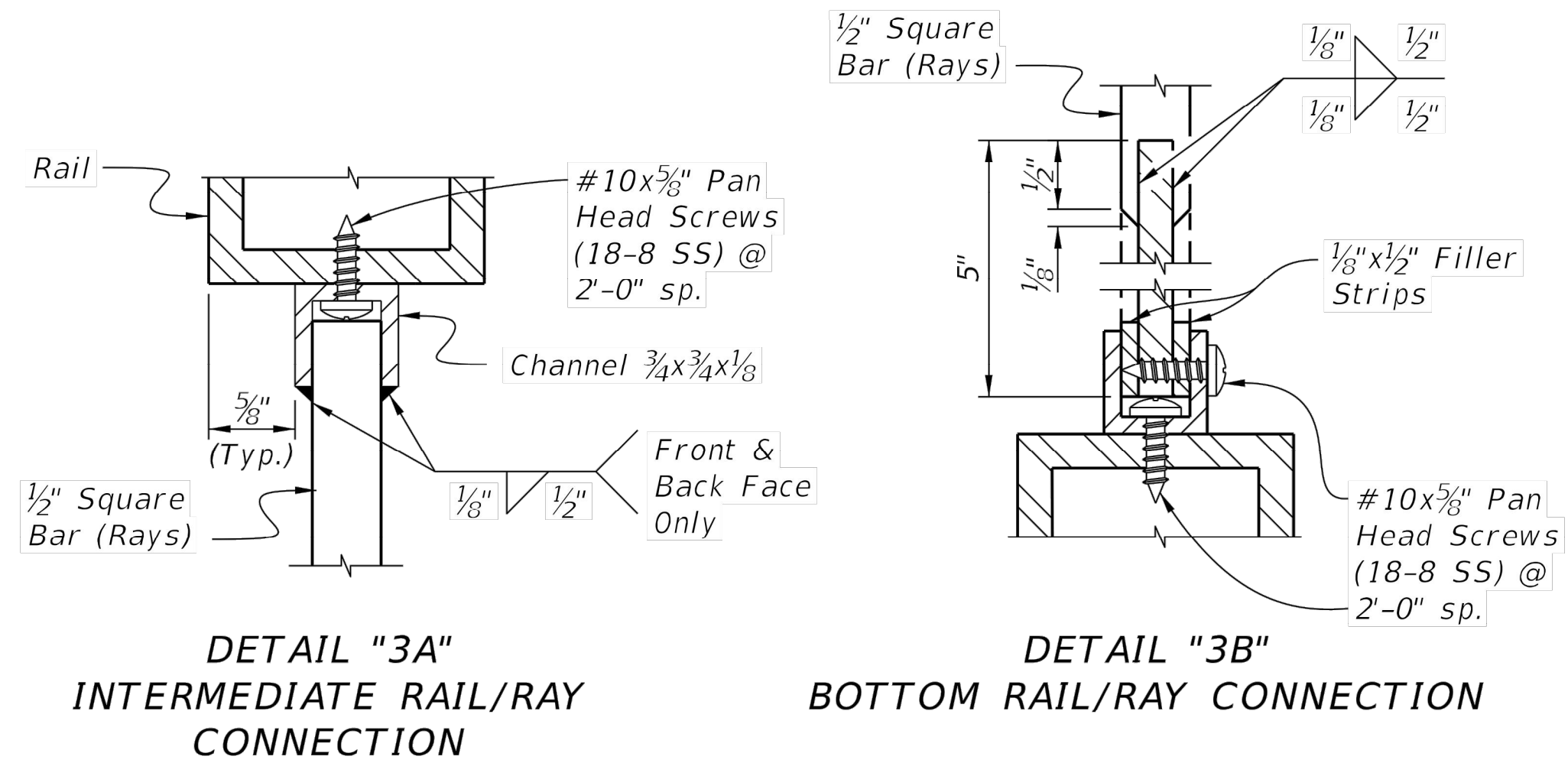
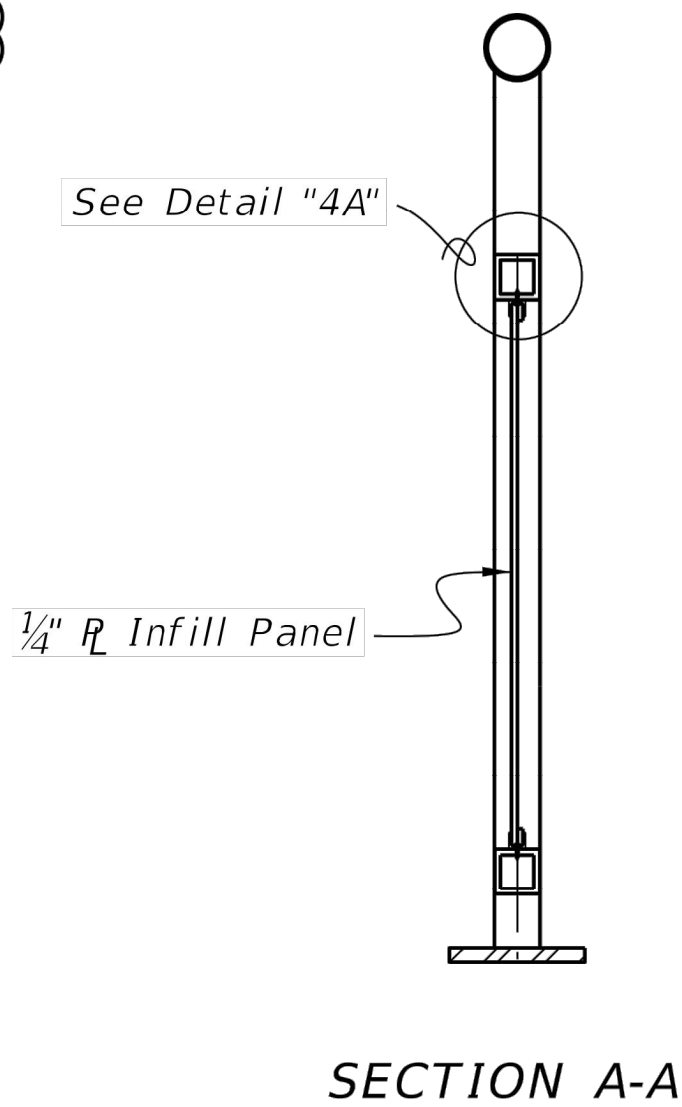
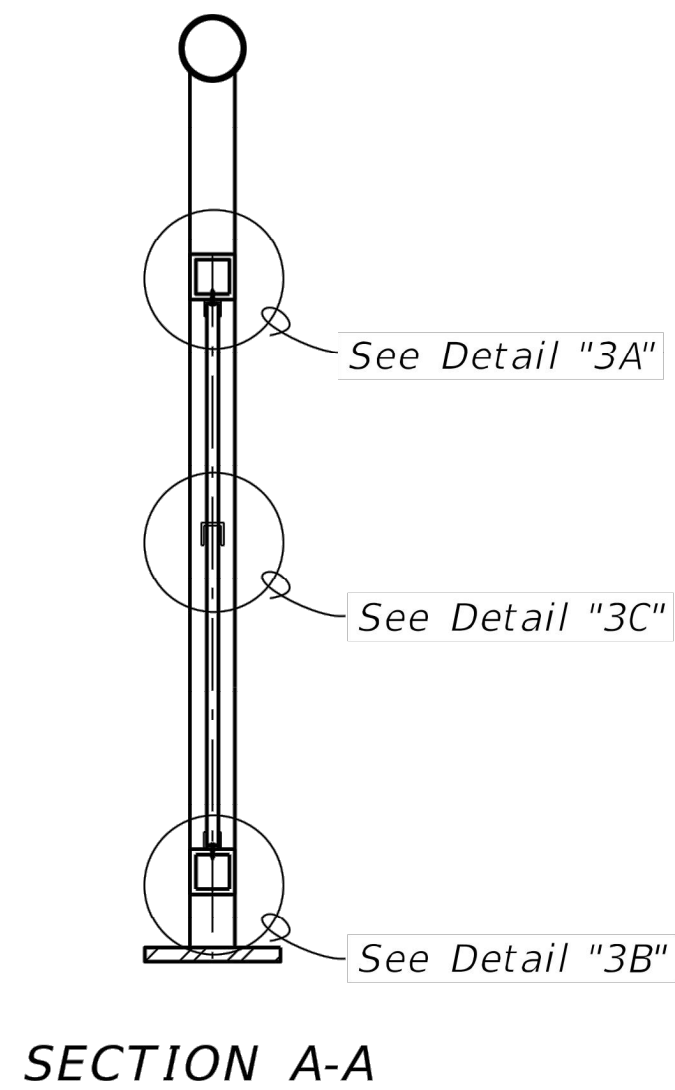
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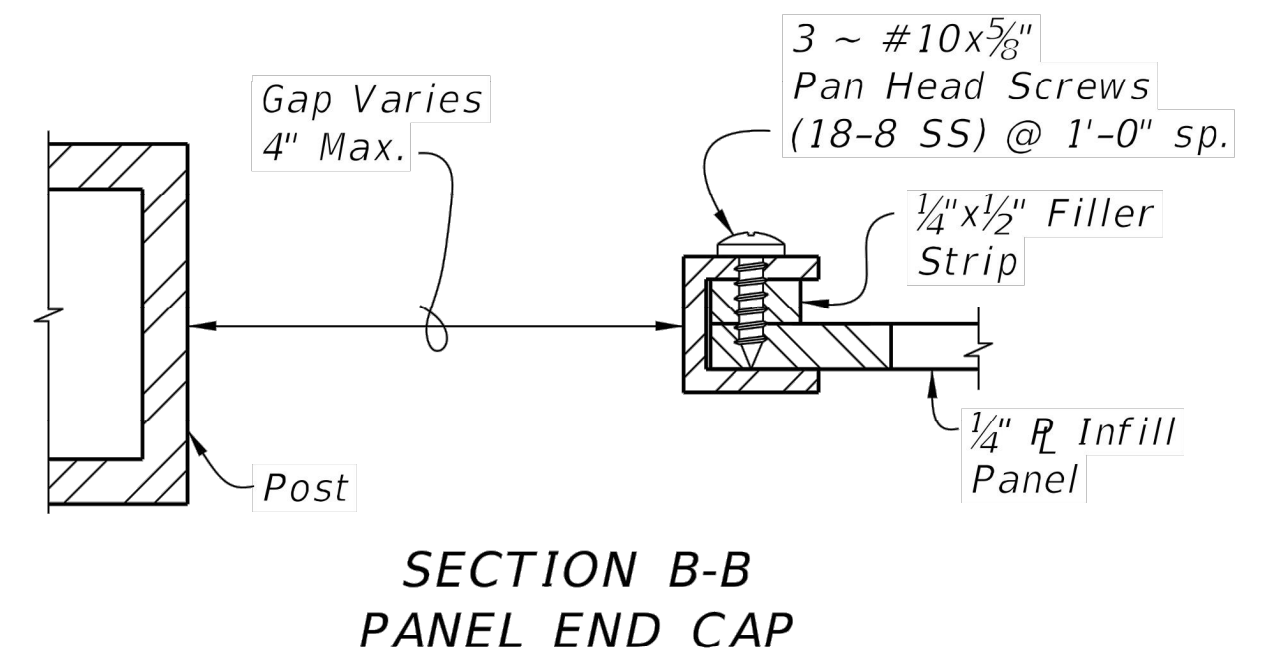


NOTES:

1. See Plans for Infill Panel Option required.



SECTION C-C PANEL/SPLICE CONNECTION



LAST REVISION	DESCRIPTION:	FDOT DESIGN STANDARDS 2013	ALUMINUM PEDESTRIAN/BICYCLE RAILING	INDEX NO. 862	SHEET NO. 6
01/01/11					

PA

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engineering architecture
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FLORIDA

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Passero Associates

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Principal-in-Charge: Andrew M. Holesko, C.M.
Project Manager: Christopher Nardone, AIA
Designed by: Emily Bredestage

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Fax: (904) 757-6107
Certificate of Authorization # 3428

Revisions

No.	Date	By	Description

FDOT ALUMINUM RAILING DETAILS

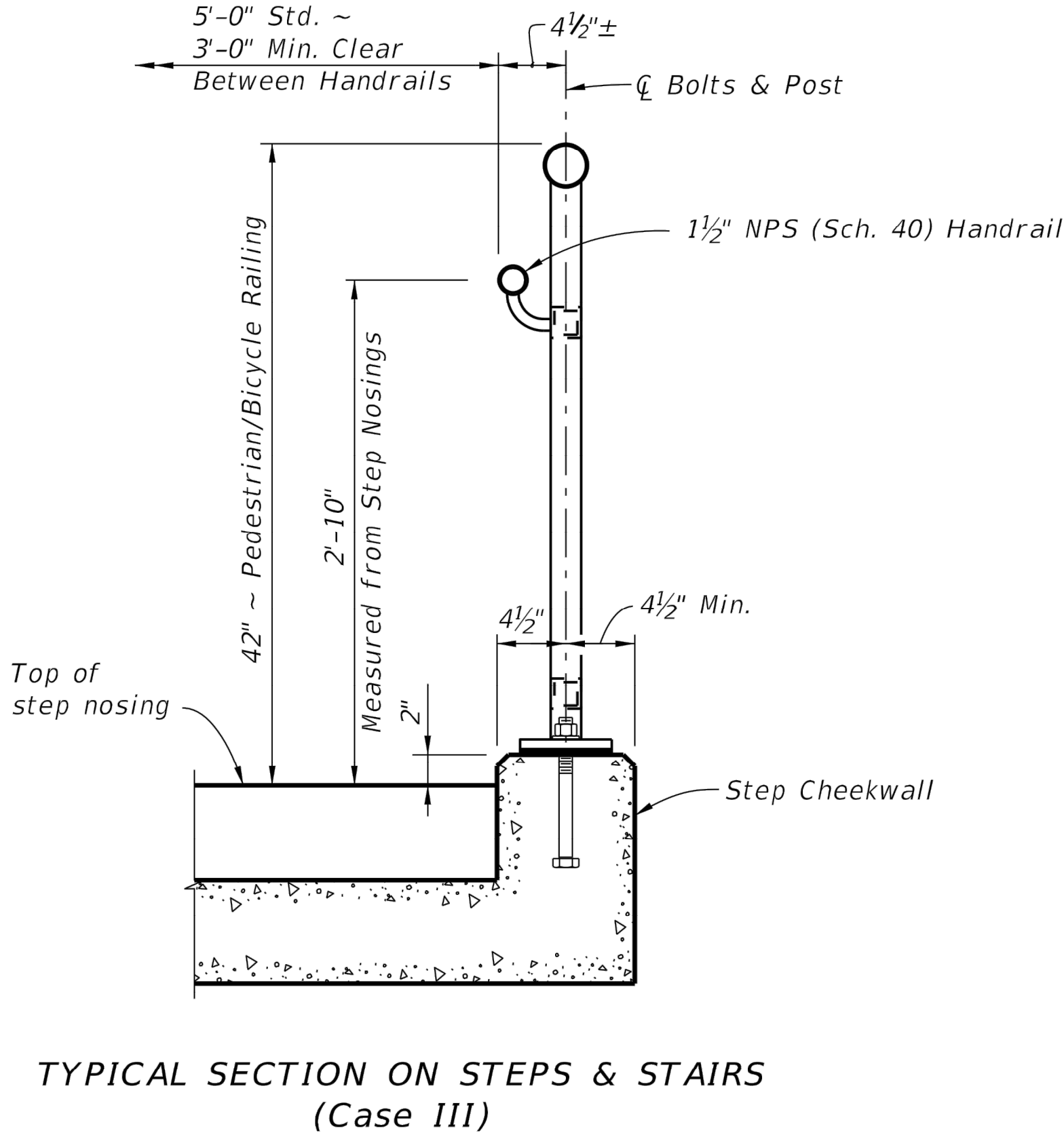
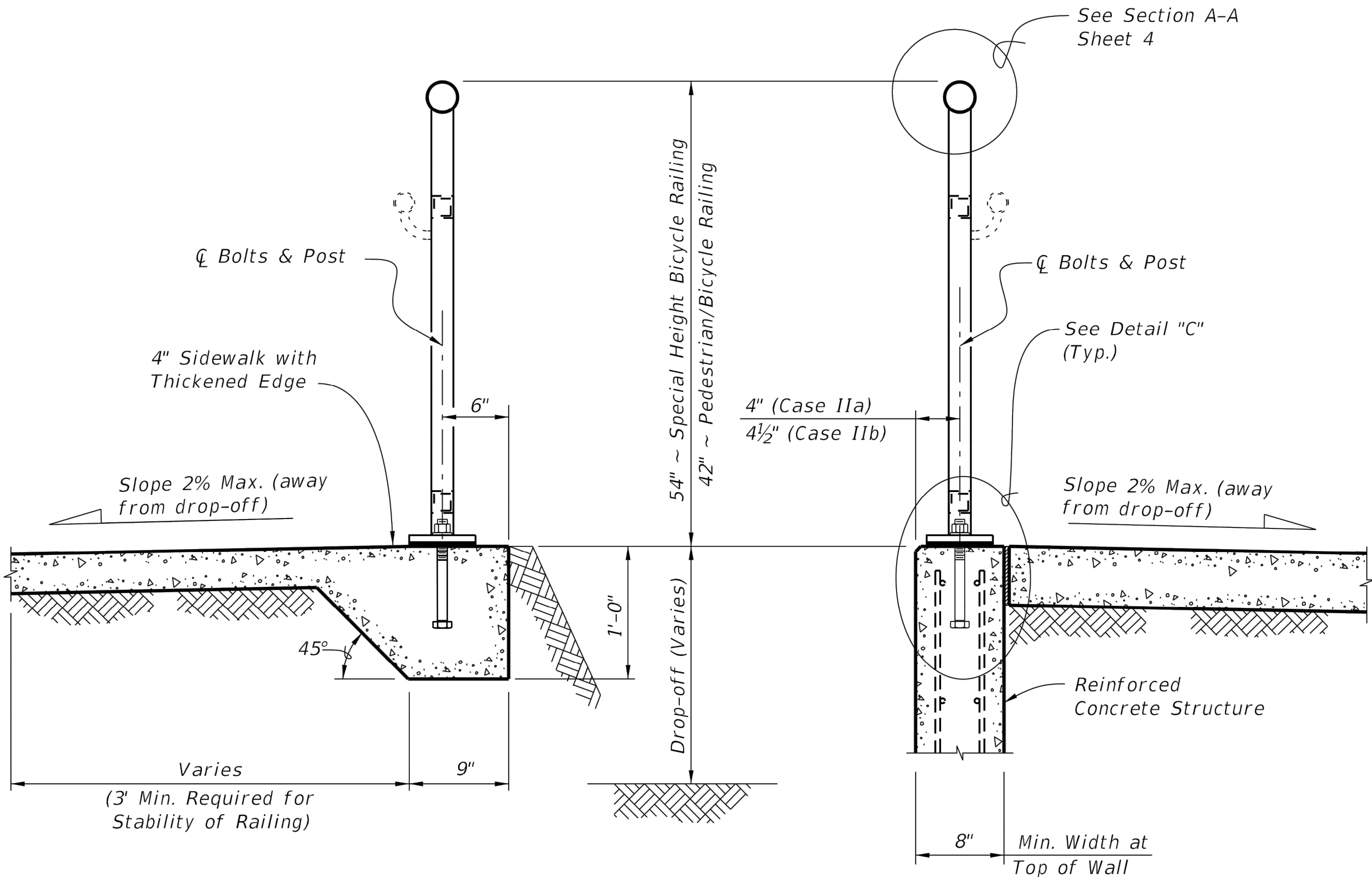
Amelia River Waterfront Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida

Project No. 99000047.0095

Drawing No. C4-4

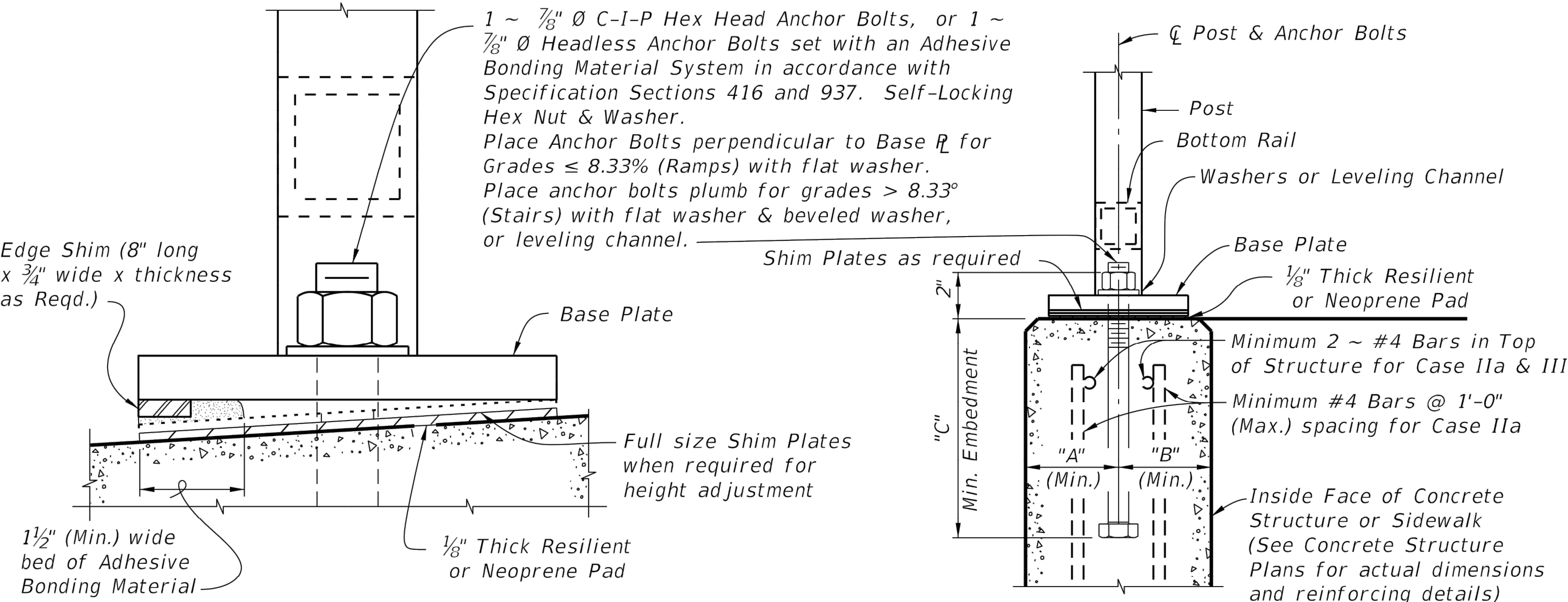
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6/28/2012 11:38:26 AM rd960rh
May 20, 2021 2:01pm by: EBredestege



TYPICAL SECTION ON CONCRETE SIDEWALK (Case I)

TYPICAL SECTION ON RETAINING WALL (Case II)



ANCHOR BOLT TABLE							
CASE	STRUCTURE TYPE	DIMENSIONS			ANCHOR LENGTH		ANCHOR SIZE
		"A" Edge Dist.	"B" Edge Dist.	"C" Embedment	C.I.P Hex Head Bolt	Adhesive Anchor	
I	Unreinforced Concrete	6"	1'-2"	9"	10 1/2"	11"	7/8" Ø
IIa	Reinforced Concrete	4"	4"	9"	10 1/2"	11"	7/8" Ø
IIb	Gravity Wall Index No. 6011	4 1/2"	3 1/2" @ top	1'-0" *	1'-1 1/2"	1'-2"	7/8" Ø
III	Step Cheekwall	4 1/2"	4 1/2"	9"	10 1/2"	11"	7/8" Ø

* Embedment length "C" may be reduced to 9" for the 42" height railings for Case IIb, when the post spacing does not exceed 5'-0".

LAST REVISION	DESCRIPTION:		FDOT DESIGN STANDARDS 2013	ALUMINUM PEDESTRIAN/BICYCLE RAILING		INDEX NO.	SHEET NO.
07/01/12						862	8

TRC SET

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Fernandina Beach, Florida, 32034

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Revisions			
No.	Date	By	Description

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FDOT ALUMINUM RAILING DETAILS

Amelia River Waterfront Stabilization
Parking Lots C & D

Town/City: Fernandina Beach
County: Nassau State: Florida

Project No. 99000047.0095

Drawing No. **C4-5**

Date May 20, 2021

Drawing name: F:\PASSERO\FHB\99000047.0095 FHB Waterfront\Airport\C4-01_FDOT-RAIL-DETL.dwg C4-6_FDOT-RAIL May 20, 2021 2:01pm by: EBredesteg

10/14/2019 11:04:35 AM

NOTES:

- 1. Shop Drawings are required.
- 2. Work with Specification 515.
- 3. Materials:
 - A. Pan Head Set Screws: Aluminum Alloy 2024-74 or 7075-T73 or Stainless Steel (SS) Type 316 or 18-8 Alloy.
 - B. Base Plates and Cap Plates: ASTM B209, Alloy 6061-T6
 - C. Structural Pipe Tube and Bars: ASTM B221 or ASTM B429, Alloy 6061-T6
 - D. End Rails 90° bends and corner bends with a maximum 4 foot spacing: Alloy 6063-T5 is permitted.

RAILING MEMBER DIMENSIONS TABLE			
MEMBER	DESIGNATION	OUTSIDE DIMENSION	WALL THICKNESS
Posts	2" NPS (Sch. 40)	2.375"	0.154"
Rails	2" NPS (Sch. 40)	2.375"	0.154"
Rail Joint/Splice Sleeves	1½" NPS (Sch. 40)	1.900"	0.145"
Handrails Joint/Splice Sleeves	1" NPS (Sch. 40) 1.50 ODx0.125 Wall	1.315" 1.500"	0.133" 0.125"
Handrails	1½" NPS (Sch. 40)	1.900"	0.145"
Handrail Support Bar	1" Ø Round Bar	1.000"	N/A

- E. Galvanized Steel Fasteners:
 - a. Hex Head Bolts: ASTM A 307 Type 1 or ASTM F1554 Grade 36
 - b. Adhesive Anchors: ASTM F1554 Grade 36 fully threaded rods
 - c. Hex Nuts: ASTM A563
 - d. Flat Washers: ASTM F436
- F. Aluminum Shims: ASTM B209, Alloy 6061
- G. Bearing Pads: Plain, Fabric Reinforced, or Fabric Laminated meeting requirements of Specifications 515 & 932.
- 4. Fabrication:
 - A. Place expansion joints at a maximum of 30'-0" spacing
 - B. Field splices are similar to the expansion joint detail and may be approved by the Engineer to facilitate handling; but top rail must be continuous across a minimum of two posts.
 - C. Continuity field splice (Detail "E"); only use to make the railing continuous for unforeseen field adjustments
 - D. Corners and changes in tangential longitudinal alignment may be made continuous with a 9" bend radius or terminated at adjoining sections with a standard end hoop when handrails are not required.
 - E. For curved longitudinal alignments, shop bend top and bottom rails and handrails to match the alignment radius.
 - F. For changes in tangential longitudinal alignment greater than 45°, position posts a maximum of 2'-0" each side of the corner, not at the corner apex.
- 5. Handrails are required and must be continuous at landings for:
 - A. Grades Steeper than 5%
 - B. Three or more steps
- 6. Cutting of reinforcing steel is permitted for post installed anchor bolts.

LAST REVISION 11/01/18	DESCRIPTION:	 FY 2020-21 STANDARD PLANS	PIPE GUIDERAIL (ALUMINUM)	INDEX 515-070	SHEET 1 of 5
---------------------------	--------------	---	---------------------------	------------------	-----------------



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engineering architecture
www.passero.com

TRC SET

Stamp:



City of Fernandina Beach
204 Ash St.
Fernandina Beach, Florida, 32034

Passero Associates

4730 Casa Cola Way, Suite 200
St. Augustine, FL 32085

(904) 757-6106
Fax: (904) 757-6107

Certificate of Authorization # 3428

Principal-in-Charge
Project Manager
Designed by

Andrew M. Holesko, C.M.
Christopher Nardone, AIA
Emily Bredesteg

Revisions			
No.	Date	By	Description

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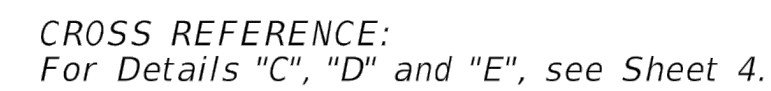
FDOT
GUIDERAIL
(ALUMINUM)

Amelia River Waterfront
Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida

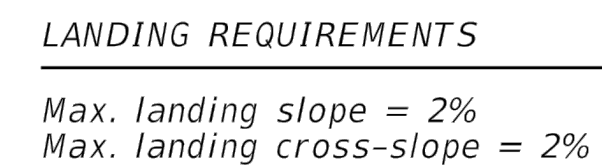
Project No.
99000047.0095

Drawing No.
C4-6

Date
May 20, 2021



TYPICAL RAILING DETAILS & RAILINGS ON GRADES 0% TO 5%

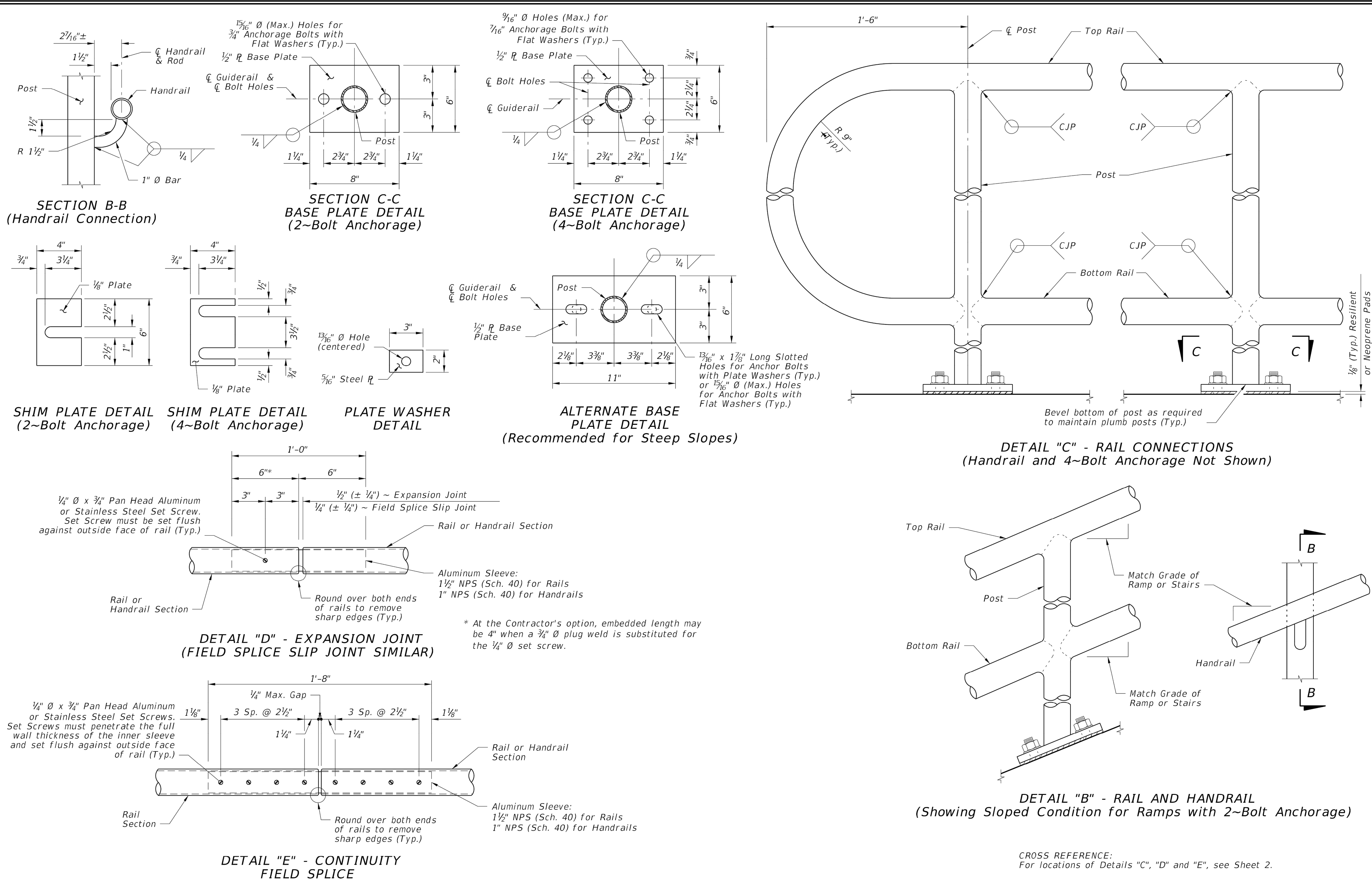


RAILINGS ON GRADES STEEPER THAN 5% TO 8.33%

Date
May 20, 2021

Drawing name: F:\PASSERO\FHB\99000047.0095 FHB Waterfront\Airport\C4-01_FDOT-RAIL-DETL.dwg C4-8_FDOT-RAIL May 20, 2021 1:57pm by: EBredesteg

10/14/2019 11:04:40 AM



LAST REVISION	DESCRIPTION:	FDOT	FY 2020-21 STANDARD PLANS	PIPE GUIDERAIL (ALUMINUM)	INDEX	SHEET
11/01/17					515-070	4 of 5

PA

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engineering architecture
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Client:

CITY OF FERNANDINA BEACH
FLORIDA

City of Fernandina Beach
204 Ash St.
Fernandina Beach, Florida, 32034

Passero Associates

4730 Casa Cola Way, Suite 200
St. Augustine, FL 32085
Principal-in-Charge
Project Manager
Designed by

(904) 757-6106
Fax: (904) 757-6107
Andrew M. Holesko, C.M.
Christopher Nardone, AIA
Emily Bredesteg

Revisions

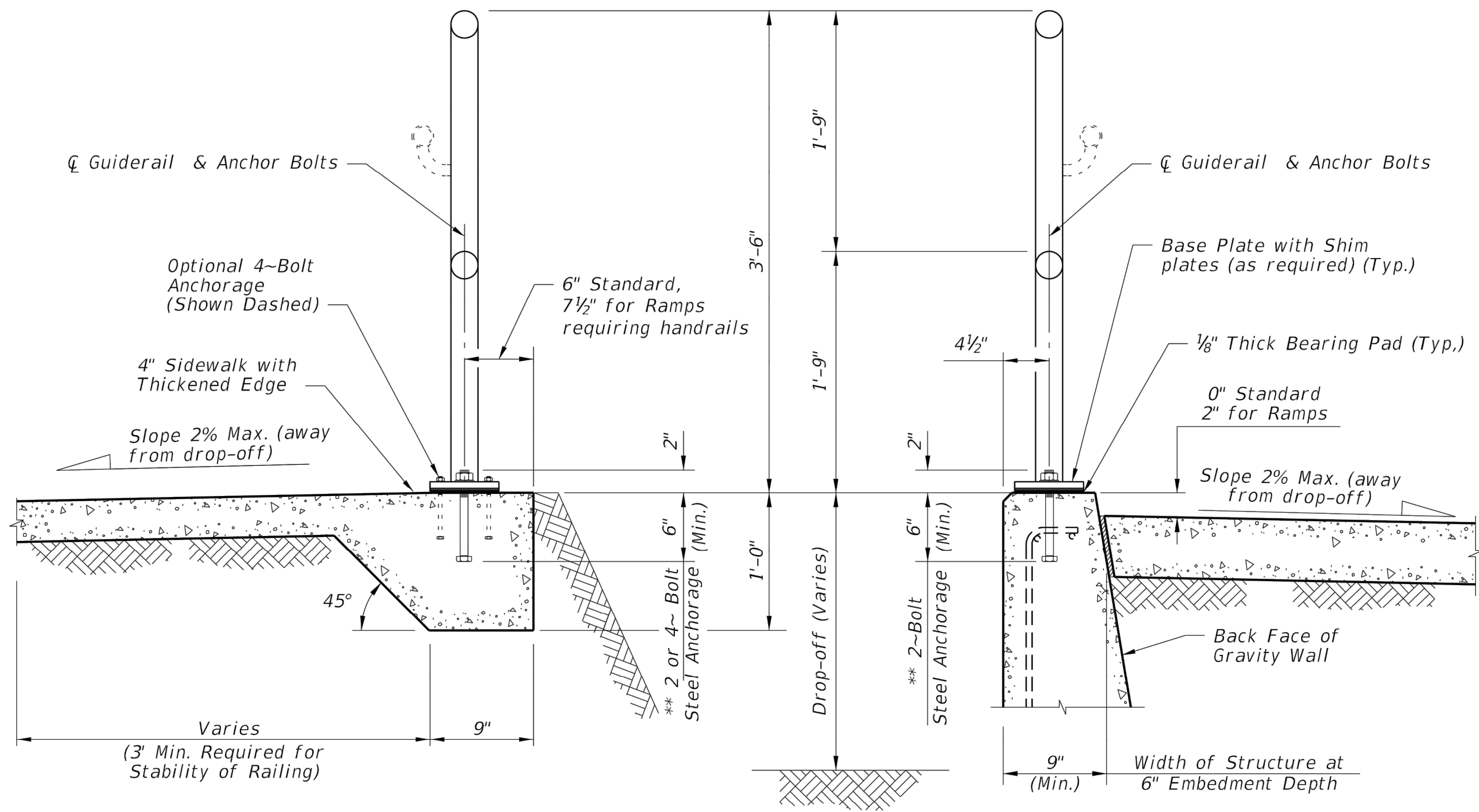
No.	Date	By	Description

FDOT
GUIDERAIL
(ALUMINUM)

Amelia River Waterfront
Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida
Project No.
99000047.0095
Drawing No.
C4-8
Date
May 20, 2021

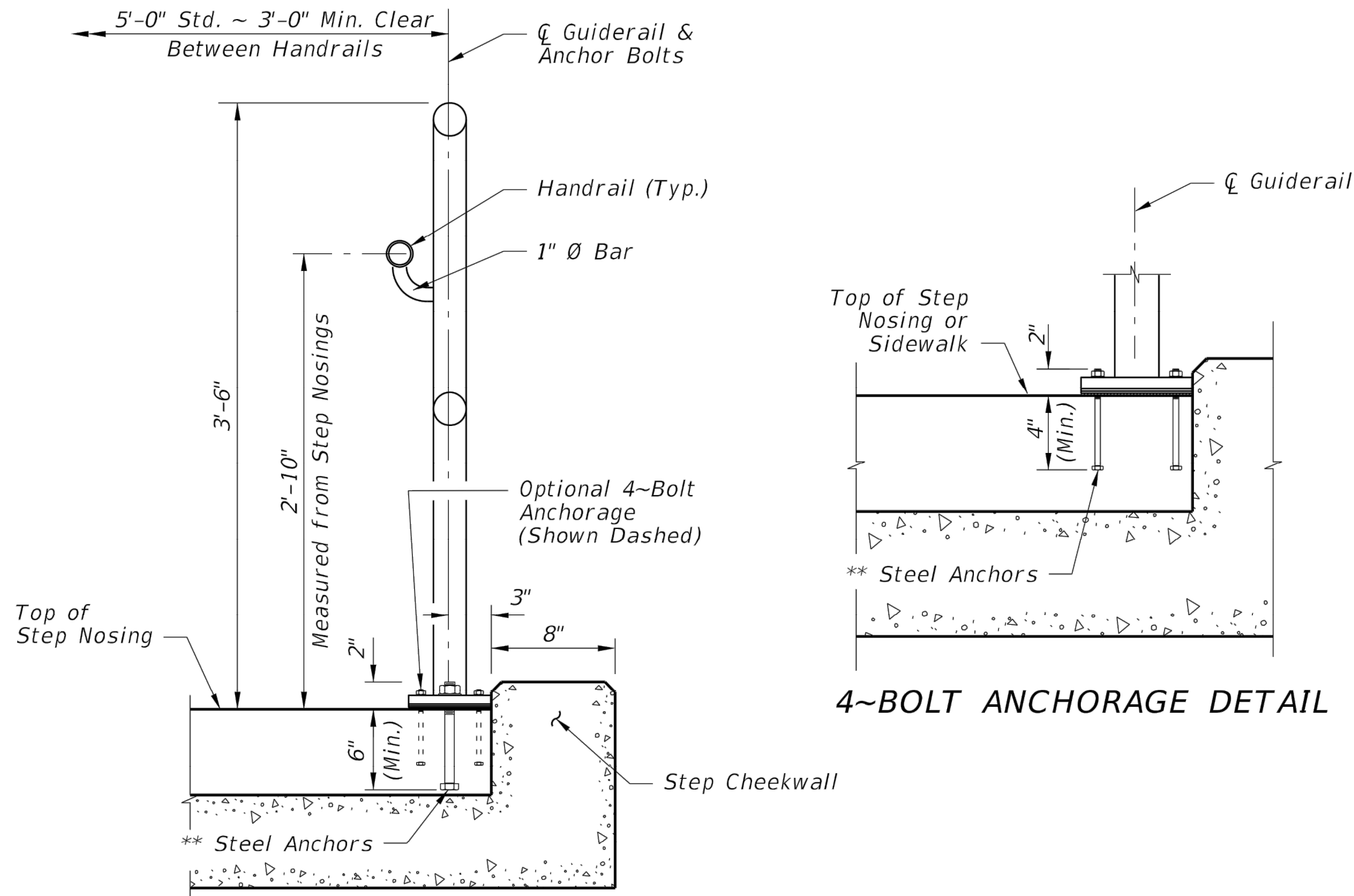
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10/14/2019 11:04:41 AM



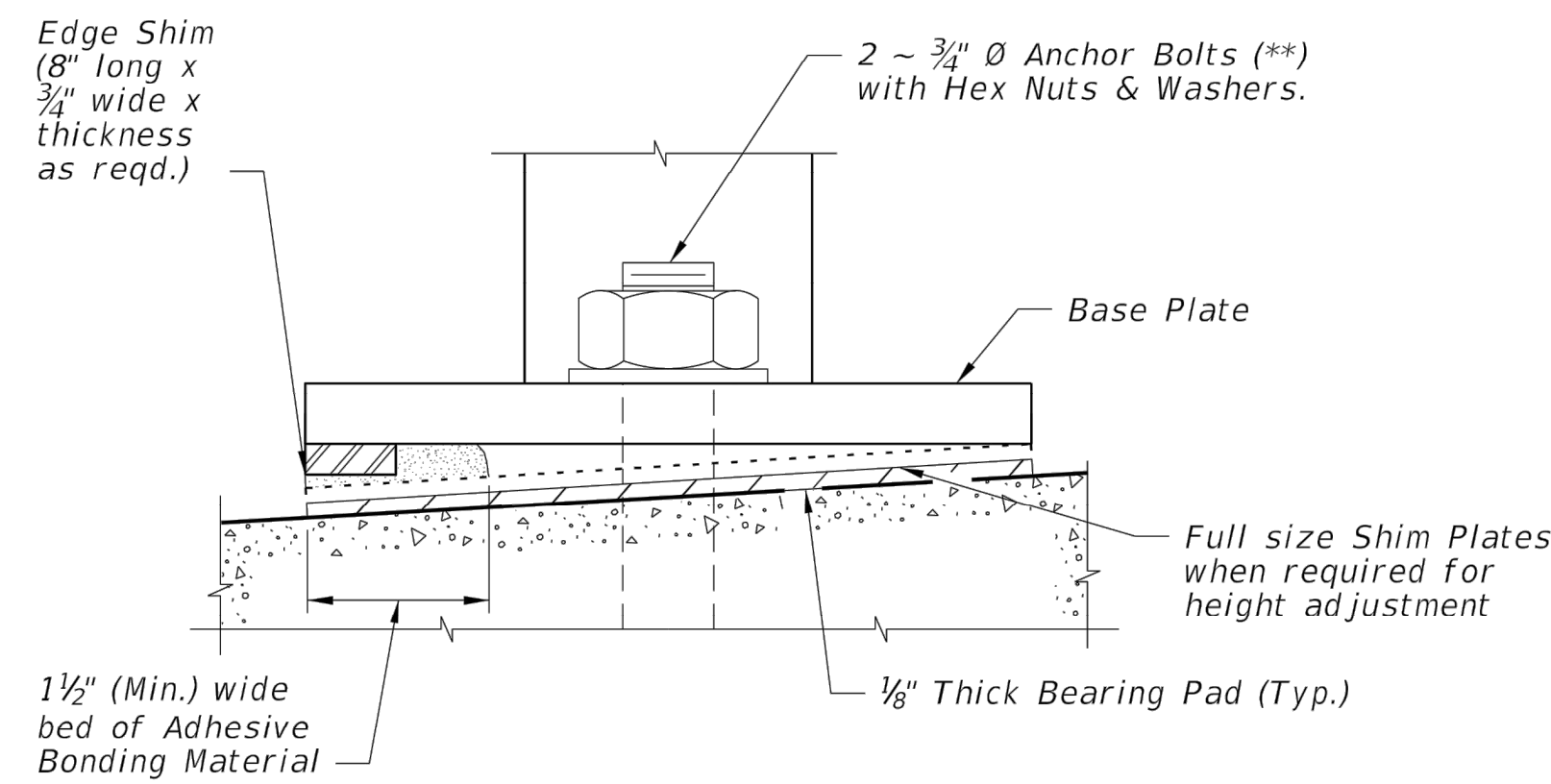
TYPICAL SECTION ON CONCRETE SIDEWALK

TYPICAL SECTION ON GRAVITY WALL
(Other Retaining Walls Similar)

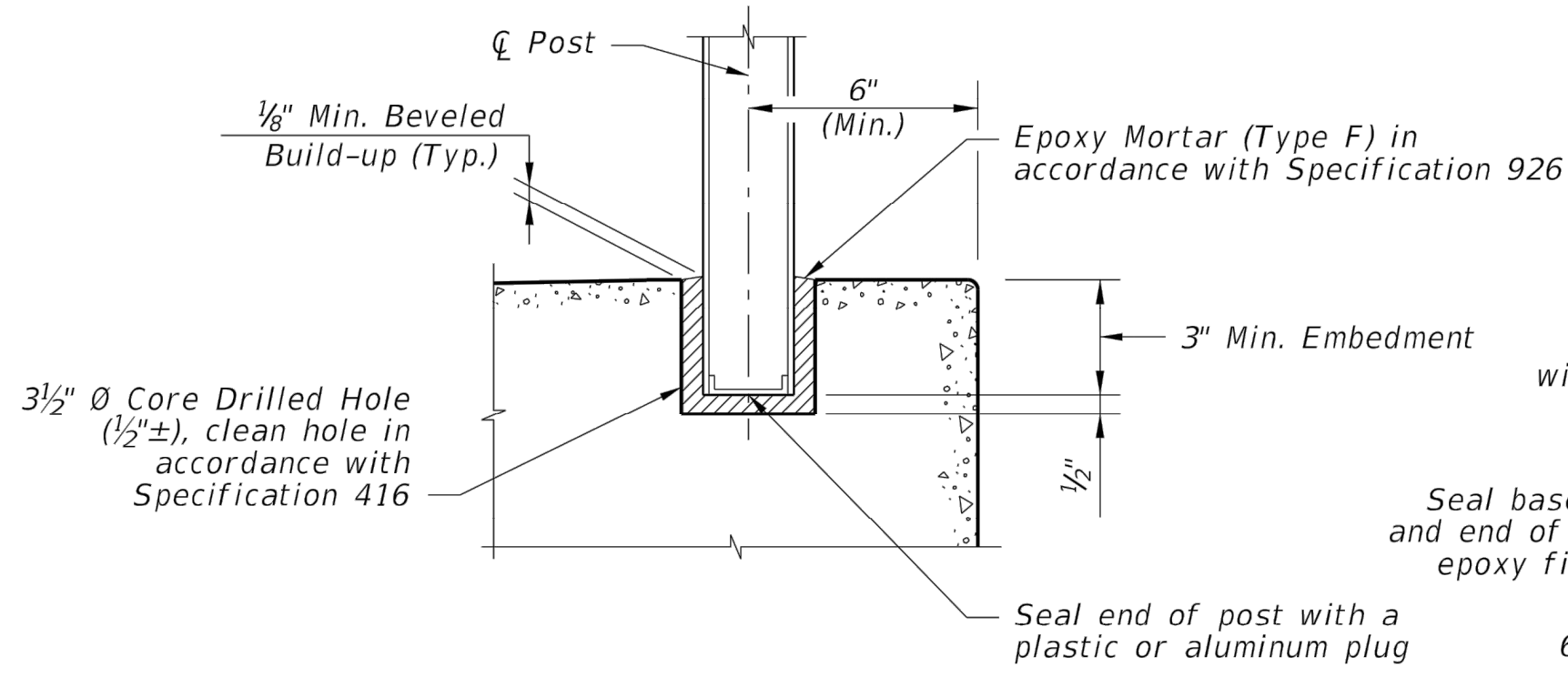


TYPICAL SECTION ON STEPS & STAIRS

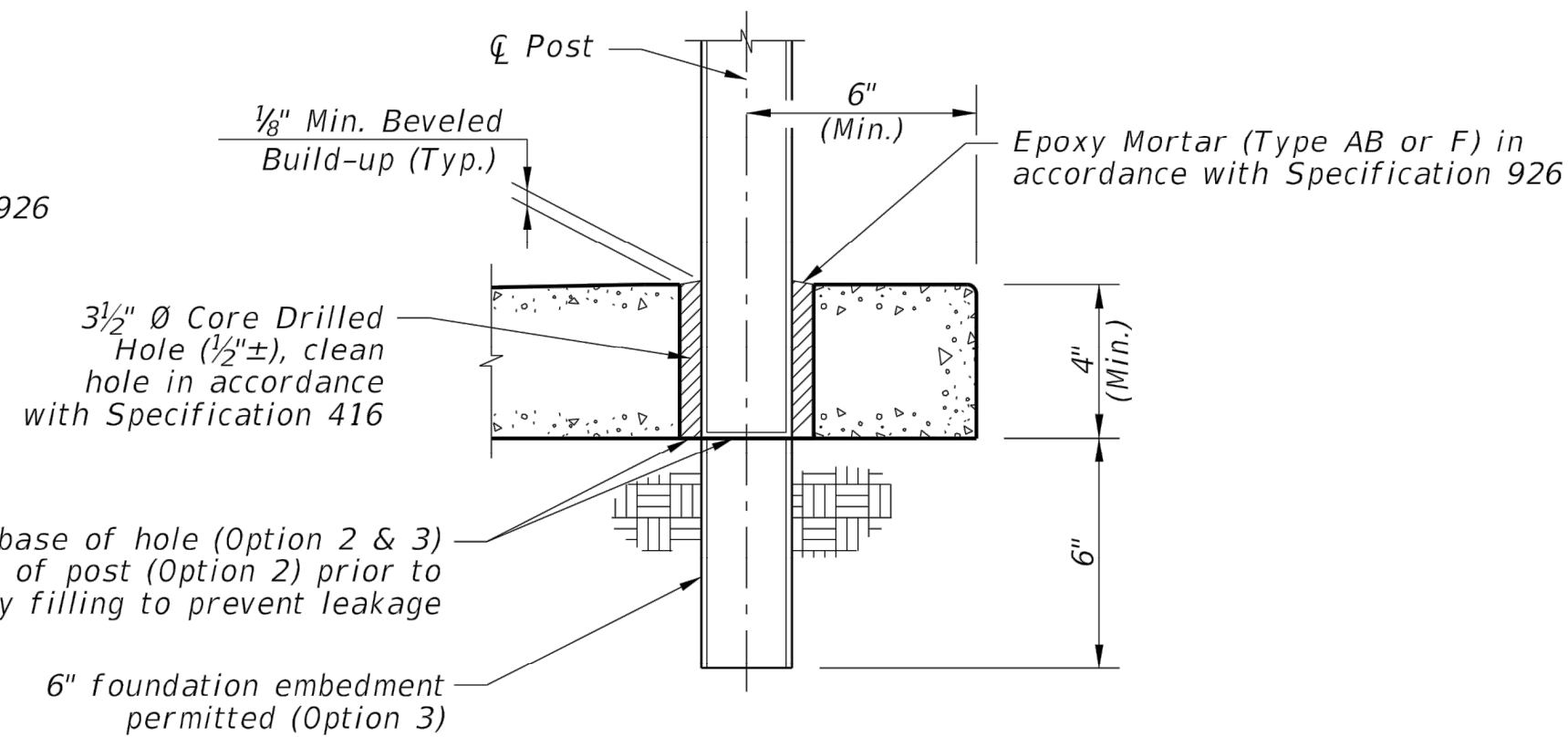
4~BOLT ANCHORAGE DETAIL



DETAIL "F" (OPTIONAL SHIMMING DETAIL
FOR CROSS SLOPE CORRECTION)
(Used in lieu of Beveled Shim Plates)



SIDEWALK ANCHORAGE DETAIL
OPTION 1



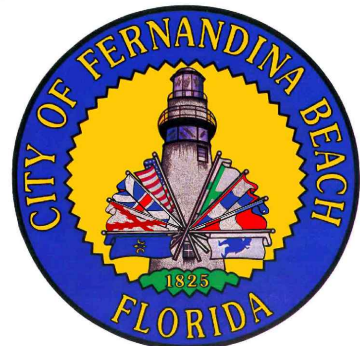
SIDEWALK ANCHORAGE DETAIL
OPTION 2 & 3

NOTES:
** 2 ~ 3/4" Ø x 8" or 4 ~ 7/16" Ø x 6" Steel Anchors:
Galvanized Steel Bolts (As Shown) (C-I-P); Galvanized U-Bolts
Permitted (C-I-P); Galvanized Adhesive Anchors Permitted
*** The minimum embedment for Adhesive Anchors is 6" for
2-Bolt Anchorage or 4" for 4-Bolt Anchorage.

LAST REVISION	DESCRIPTION:	FY 2020-21 STANDARD PLANS	PIPE GUIDERAIL (ALUMINUM)	INDEX 515-070	SHEET 5 of 5
11/01/17					

Stamp:

Client:



City of Fernandina Beach
204 Ash St.
Fernandina Beach, Florida, 32034

Passero Associates
4730 Casa Cola Way, Suite 200 (904) 757-6106
St. Augustine, FL 32085 Fax: (904) 757-6107
Certificate of Authorization # 3428
Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredesteg

Revisions			
No.	Date	By	Description

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**FDOT
GUIDERAIL
(ALUMINUM)**

Amelia River Waterfront
Stabilization
Parking Lots C & D
Town/City: Fernandina Beach
County: Nassau State: Florida

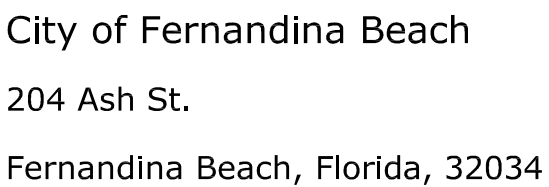
Project No.
99000047.0095

Drawing No.
C4-9

Date
May 20, 2021



Client:



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St. Augustine, FL 32095 Fax: (904) 757-6107
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Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredestege

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Town/City: Fernandina Beach
County: Nassau State: Florida

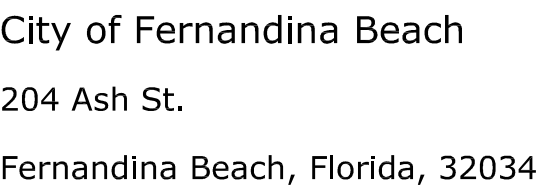
Drawing No.

Date _____

May 20, 2021



Client:



4730 Casa Cola Way, Suite 200 (904) 757-6106
St. Augustine, FL 32095 Fax: (904) 757-6107
Certificate of Authorization # 3428

Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
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Amelia River Waterfront Stabilization Parking Lots C & D

Town/City: Fernandina Beach
County: Nassau State: Florida

Project No.
99000047.0095

Drawing No.

C7-2

Date _____

May 20, 2021

Drawing name: F:\PASSERO\FHB\99000047.0095 FHB Waterfront\Airport\C7-01_UTIL.dwg C7-3 May 20, 2021 1:33pm by: EBredestege

MATCHLINE SHEET C7-2

MATCHLINE SHEET C7-4

!!! CAUTION !!!
PRIOR TO DEMOLITION
OF BOARDWALK, VERIFY
ALL ELECTRICAL POWER
HAS BEEN SHUT OFF

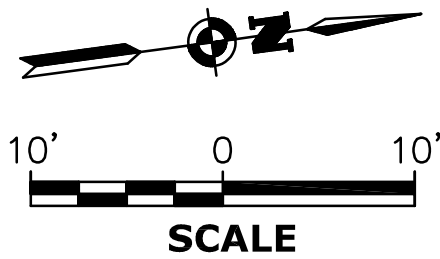
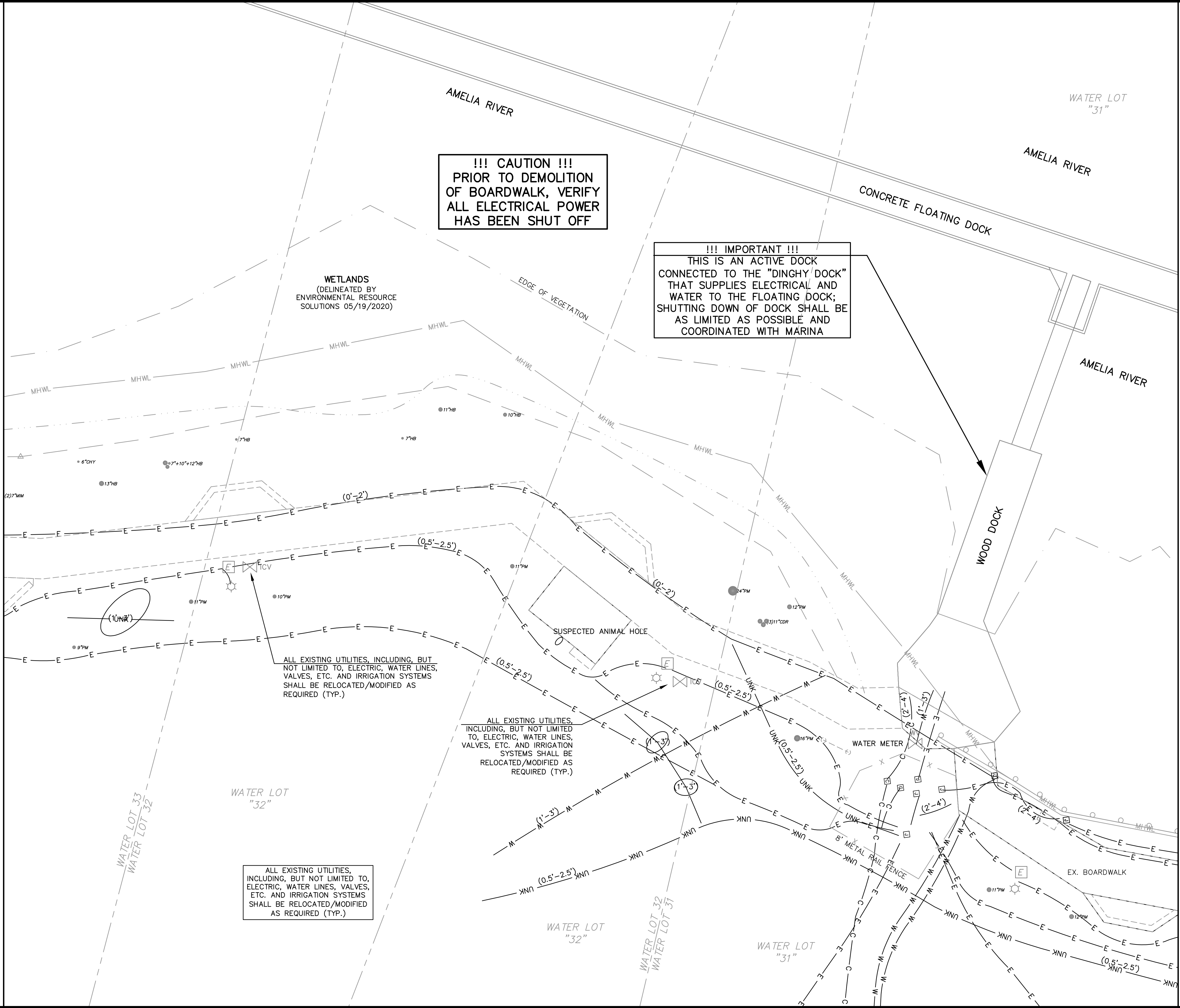
!!! IMPORTANT !!!
THIS IS AN ACTIVE DOCK
CONNECTED TO THE "DINGHY DOCK"
THAT SUPPLIES ELECTRICAL AND
WATER TO THE FLOATING DOCK;
SHUTTING DOWN OF DOCK SHALL BE
AS LIMITED AS POSSIBLE AND
COORDINATED WITH MARINA

WETLANDS
(DELINEATED BY
ENVIRONMENTAL RESOURCE
SOLUTIONS 05/19/2020)

ALL EXISTING UTILITIES, INCLUDING, BUT
NOT LIMITED TO, ELECTRIC, WATER LINES,
VALVES, ETC. AND IRRIGATION SYSTEMS
SHALL BE RELOCATED/MODIFIED AS
REQUIRED (TYP.)

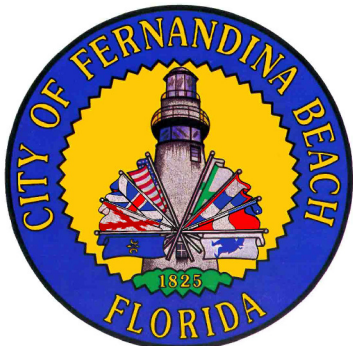
ALL EXISTING UTILITIES,
INCLUDING, BUT NOT LIMITED
TO, ELECTRIC, WATER LINES,
VALVES, ETC. AND IRRIGATION
SYSTEMS SHALL BE
RELOCATED/MODIFIED AS
REQUIRED (TYP.)

ALL EXISTING UTILITIES,
INCLUDING, BUT NOT LIMITED TO,
ELECTRIC, WATER LINES, VALVES,
ETC. AND IRRIGATION SYSTEMS
SHALL BE RELOCATED/MODIFIED
AS REQUIRED (TYP.)



Stamp:

Client:



City of Fernandina Beach
204 Ash St.
Fernandina Beach, Florida, 32034

Passero Associates

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St. Augustine, FL 32095 Fax: (904) 757-6107
Certificate of Authorization # 3428
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Project Manager Christopher Nardone, AIA
Designed by Emily Bredestege

Revisions

No.	Date	By	Description

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EXISTING
UTILITY PLAN

Amelia River Waterfront
Stabilization
Parking Lots C & D

Town/City: Fernandina Beach
County: Nassau State: Florida

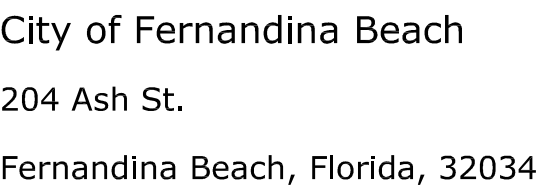
Project No.
99000047.0095

Drawing No.
C7-3

Date
May 20, 2021



Client:



4730 Casa Cola Way, Suite 200 (904) 757-6106
St. Augustine, FL 32095 Fax: (904) 757-6107
Certificate of Authorization # 3428

Principal-in-Charge Andrew M. Holesko, C.M.
Project Manager Christopher Nardone, AIA
Designed by Emily Bredestege

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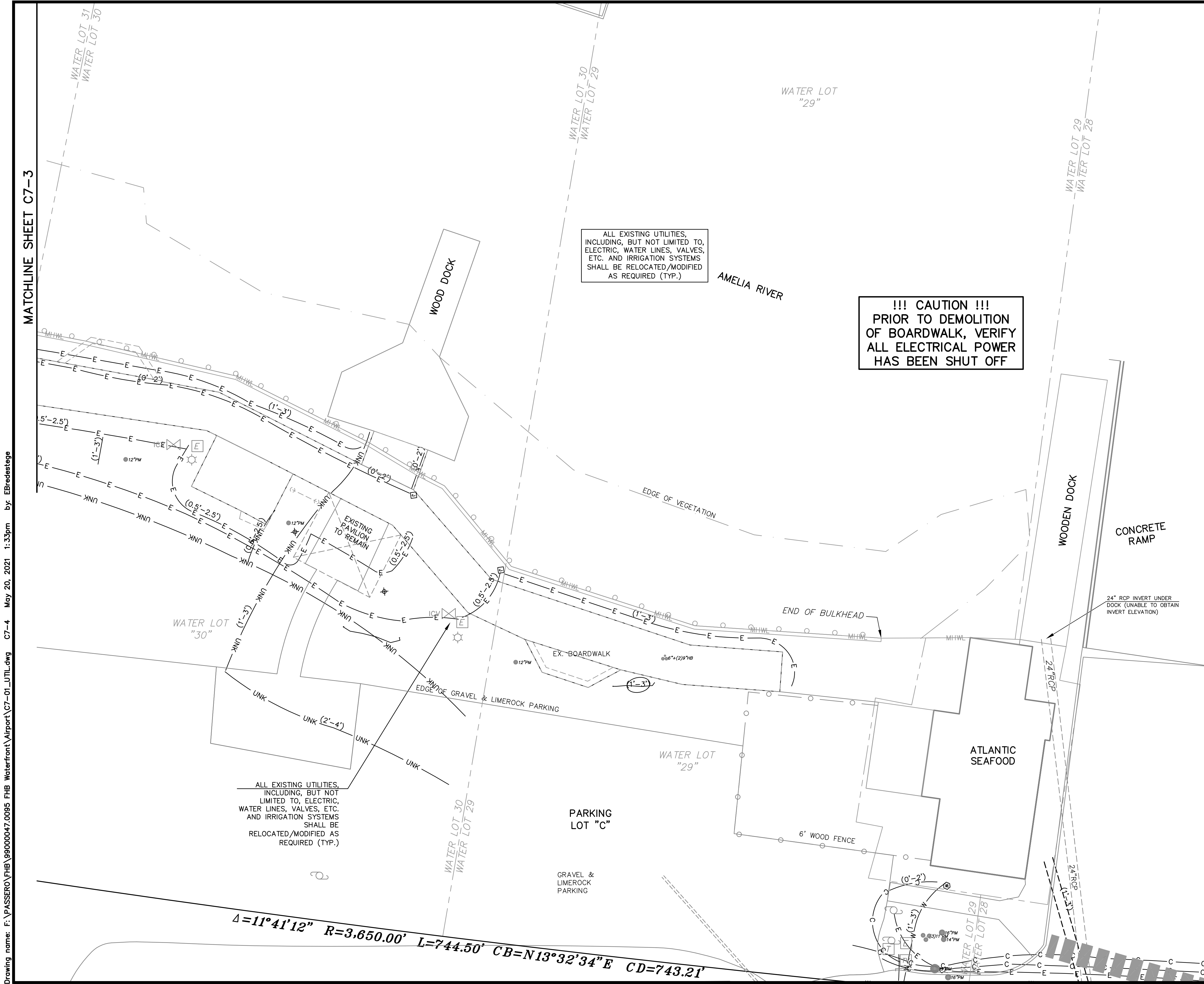
Amelia River Waterfront Stabilization Parking Lots C & D

Town/City: Fernandina Beach
County: Nassau State: Florida

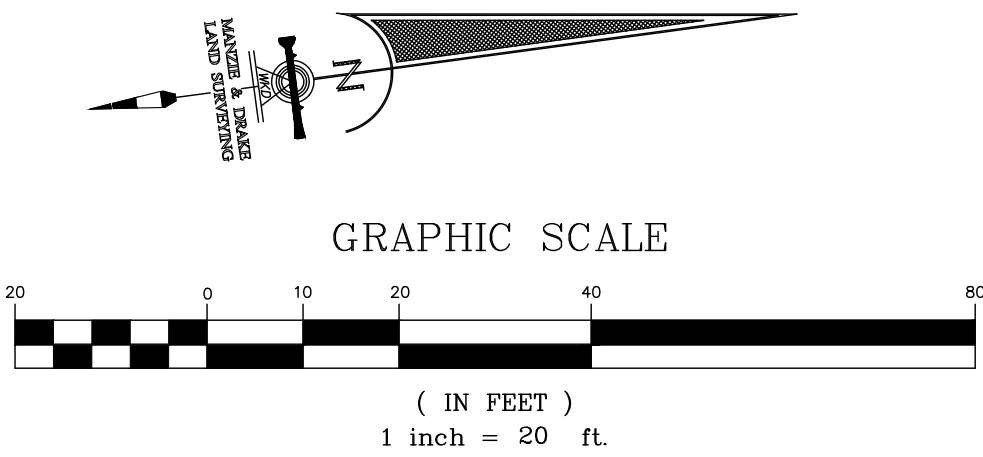
Project No.
99000047.0095

Drawing No. **C7-4**

Date
May 20, 2021



MAP OF TOPOGRAPHIC SURVEY
FERNANDINA BEACH MARINA,
FERNANDINA BEACH,
NASSAU COUNTY, FLORIDA.



REFERENCE BENCHMARK
NATIONAL GEODETIC SURVEY BRASS DISK
DESIGNATION "872-0030 TIDAL 2 1974"
ELEVATION 5.30' N.A.V.D. 1988
N=2,304,047.2029 / E=509,870.8214

- LEGEND
- TD = CABLE TELEVISION PEDESTAL
 - CON = CONCRETE FLATWORK
 - EL = ELECTRICITY METER
 - FD = FIRE HYDRANT
 - AL = ALUMINUM LIGHT POLE
 - CA = COVERED AREA
 - SM = SEWER MANHOLE
 - TP = TELEPHONE PEDESTAL
 - WM = WATER METER
 - WF = WOOD FLATWORK
 - WV = WATER VALVE
 - ICV = IRRIGATION CONTROL VALVE
 - B = BENCHMARK
 - WLF = WETLAND FLAG
 - CL = CENTERLINE
 - LA = CENTRAL ANGLE
 - CB = CHORD BEARING
 - CD = CHORD DISTANCE
 - CH = CHORD
 - X-X = CHAIN LINK OR WIRE FENCE
 - O-O = METAL RAIL FENCE
 - W-V = WOOD OR VINYL FENCE
 - RCP = REINFORCED CONCRETE PIPE
 - HDPE = HIGH-DENSITY POLYETHYLENE
 - ELEV = ELEVATION
 - NAVD = NORTH AMERICAN VERTICAL DATUM
 - O.R.B. = OFFICIAL RECORDS BOOK
 - R = RADIUS
 - R/W = RIGHT-OF-WAY
 - P.I.N. = PARCEL IDENTIFICATION NUMBER

TREE LEGEND
CD = CEDAR TREE
HB = HACKBERRY TREE
PM = PALM TREE
MM = MIMOSA/SILK TREE

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.

mi.com
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"

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

REVISIONS:

1. REVISED ON 05/14/2021 TO SHOW CORRECTED TREE LOCATIONS ALONG THE SOUTH ±250' OF THE WOOD BOARDWALK AND TO ADJUST LOCATED WETLAND FLAGS BETWEEN FLAGS A-6 TO A-11 AND A-23 TO A-36. (WKO)

SURVEY NOTES:

- 1.) Reproductions of this sketch are not valid unless sealed with an embossed surveyor's seal.
- 2.) Bearings and coordinates shown hereon are relative to Florida State Plane Coordinate System, East Zone, North American Datum 1983 / 1990.
- 3.) Elevations shown hereon are based on the North American Vertical Datum of 1988. The source benchmark is National Geodetic Survey monument "872-0030 Tidal No. 2" (Elev. 5.30'). The Site Benchmark is the same reference point.
- 4.) The Mean High Water Line shown hereon was established per the Department of Environmental Protection by extending the published tidal datum (Tide Gauge 872-0030). Mean High Water Elevation = 2.40' NAVD 1988.
- 5.) This firm's "Certificate of Authorization" number is "LB 7039".
- 6.) This is not a boundary survey. For boundary information of any of the parcels shown hereon, refer to the boundary surveys, by this firm, listed on the individual parcels.

ASH
STREET
(60' R/W)

FRONT STREET
RIGHT-OF-WAY VARIES
MANZIE & DRAKE FILE NO. C-265
(SURVEY DATED 07/02/2002)

FERNANDINA HARBOR LINE
CONCRETE MONUMENT R-11
N=2,304,101.5134
E=509,986.3018

2'x3' CATCH BASIN
TOP ELEVATION = 5.20'
24" RCP NORTH INVERT = 0.10'
24" RCP WEST INVERT = (CAPPED)

SANITARY MANHOLE
TOP ELEVATION=5.83'
UNABLE TO OPEN

SANITARY MANHOLE
(FILLED WITH FLUIDS, UNABLE TO OBTAIN INVERTS, PIPE SIZES & PIPE MATERIALS) INFORMATION BELOW COPIED FROM MAP BY THIS FIRM DATED 12-18-2008 (FILE NO. C-265-B) AND CONVERTED TO N.A.V.D. 1988 DATUM (SUBTRACTED 1.15')
TOP ELEVATION=5.82' / BOTTOM ELEVATION=1.88'
6" P.V.C. PIPE SOUTHWESTERLY INVERT=1.88'
6" P.V.C. PIPE NORTHERLY INVERT=1.92'
6" P.V.C. PIPE SOUTHEASTERLY INVERT=1.94'

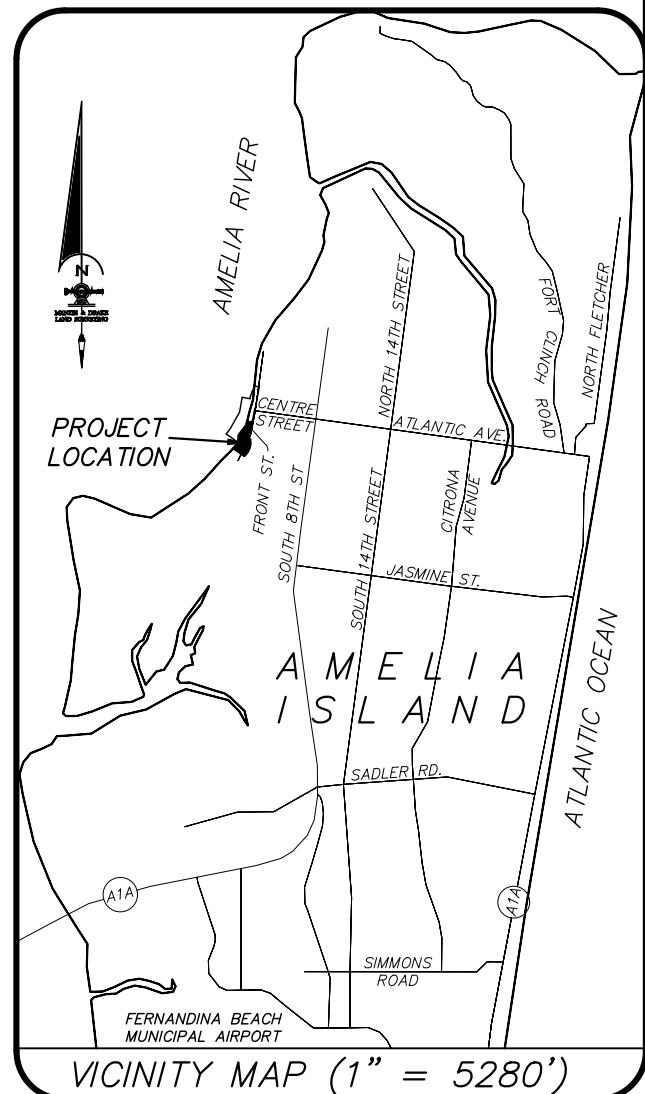
ASPHALT
ROADWAY

SANITARY SEWER LINE IS NO LONGER IN SERVICE
PER UTILITY DIRECTOR OF FPU - PER MAP BY THIS FIRM DATED 12-18-2008 (FILE NO. C-265-B)

SANITARY MANHOLE
(FILLED WITH FLUIDS, UNABLE TO OBTAIN INVERTS, PIPE SIZES & PIPE MATERIALS)
TOP ELEVATION=6.55'

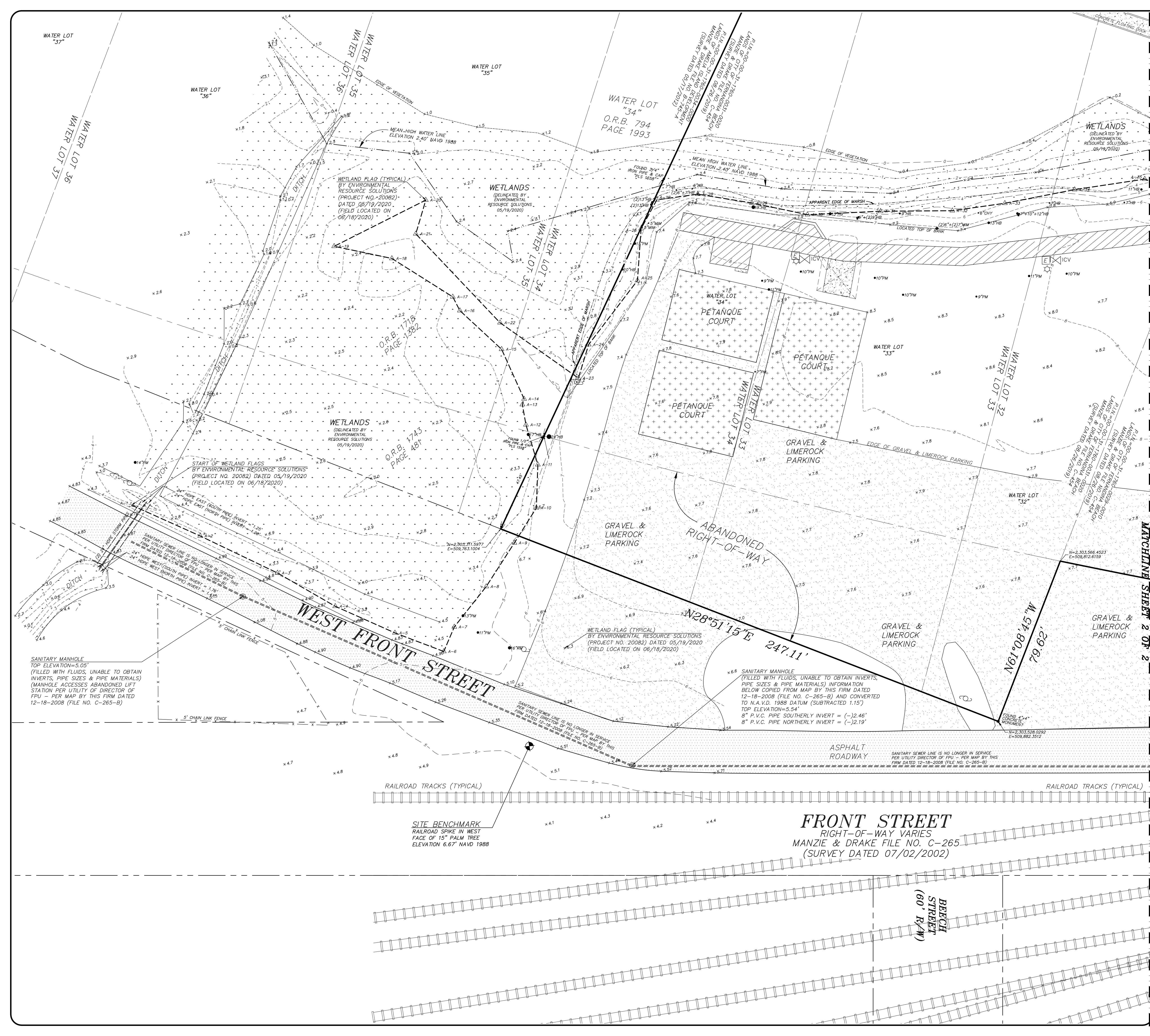
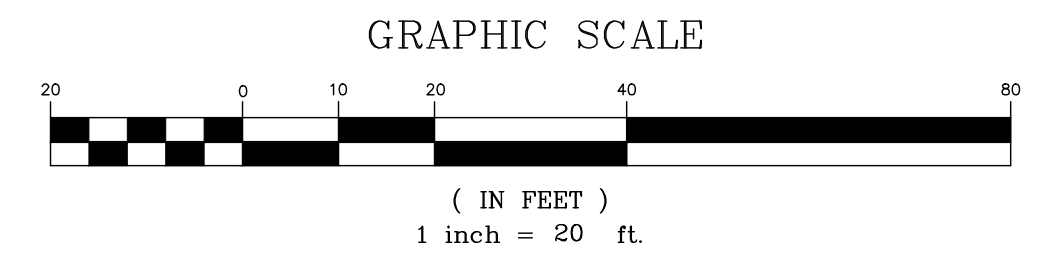
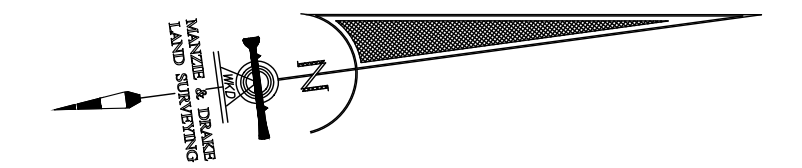
RAILROAD TRACKS (TYPICAL)

RAILROAD TRACKS (TYPICAL)



MAP OF TOPOGRAPHIC SURVEY AMELIA RIVER WATERFRONT STABILIZATION (PHASE 2)

FERNANDINA BEACH MARINA,
FERNANDINA BEACH,
NASSAU COUNTY, FLORIDA.
(THIS IS NOT A BOUNDARY SURVEY)



- LEGEND**
- = CABLE TELEVISION PEDESTAL
 - = CONCRETE FLATWORK
 - ⊕ = ELECTRICITY METER
 - ⊕ = FIRE HYDRANT
 - ⊕ = ALUMINUM LIGHT POLE
 - = COVERED AREA
 - ⊕ = SEWER MANHOLE
 - ⊕ = TELEPHONE PEDESTAL
 - ⊕ = WATER METER
 - ⊕ = WOOD FLATWORK
 - ⊕ = WATER VALVE
 - ⊕ = IRRIGATION CONTROL VALVE
 - ⊕ = BENCHMARK
 - ⊕ = WETLAND FLAG
 - ⊕ = CENTERLINE
 - ⊕ = CHORD BEARING
 - ⊕ = CHORD DISTANCE
 - ⊕ = CHORD
 - ⊕ = CHAIN LINK OR WIRE FENCE
 - ⊕ = METAL RAIL FENCE
 - ⊕ = WOOD OR VINYL FENCE
 - ⊕ = REINFORCED CONCRETE PIPE
 - ⊕ = HIGH-DENSITY POLYETHYLENE
 - ⊕ = ELEVATION
 - ⊕ = NORTH AMERICAN VERTICAL DATUM
 - ⊕ = OFFICIAL RECORDS BOOK
 - ⊕ = RADIUS
 - ⊕ = RIGHT-OF-WAY
 - ⊕ = PARCEL IDENTIFICATION NUMBER

- TREE LEGEND**
- ⊕ = CEDAR TREE
 - ⊕ = HICKORY TREE
 - ⊕ = PALM TREE
 - ⊕ = MIMOSA/SILK TREE

REVISIONS:
1. REVISED ON 05/14/2021 TO SHOW CORRECTED TREE LOCATIONS ALONG THE SOUTH ±250' OF THE WOOD BOARDWALK AND TO ADJUST LOCATED WETLAND FLAGS BETWEEN FLAGS A-6 TO A-11 AND A-23 TO A-36. (WKD)

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.

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

SEE SHEET 1 OF 2 FOR SIGNATURE
MICHAEL A. MANZIE, P.L.S. 4069

SCALE: 1"=20' JOB NO: 17280 DATE: 7/10/2020 CADD: WKD
F.B. NO: X-330 PAGE NO: 56 FIELD CREW: JM FILE NO: C-1008 SHEET 2 OF 2