



**AGENDA
TECHNICAL REVIEW COMMITTEE
REGULAR MEETING
AUGUST 22, 2024
10:00 AM
CITY HALL COMMISSION CHAMBERS
204 ASH STREET
FERNANDINA BEACH, FL 32034**

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. APPROVAL OF MINUTES**
 - 3.1 Approval of Minutes from the Regular Meeting of May 23, 2024.
- 4. NEW BUSINESS**
 - 4.1 TRC 2024-0006 - SCOTT LOCKWOOD, AGENT FOR BAPTIST MEDICAL CENTERS, 1210 VINTAGE WAY**
Site plan review for the construction of primary health clinic.
 - 4.2 TRC 2024-0007 - ASA GILLETTE, AGENT FOR BRIAN ECHARD, 2430 JAMESTOWN ROAD**
Site plan review for the construction of bulk hangars on City leasehold.
- 5. COMMITTEE BUSINESS**
- 6. ADJOURNMENT**

THE NEXT REGULAR TRC MEETING IS SCHEDULED FOR THURSDAY, SEPTEMBER 26, 2024.

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
MAY 23, 2024
10:00 AM
CITY HALL COMMISSION
CHAMBERS 204 ASH STREET
FERNANDINA BEACH, FL 32034**

1. CALL TO ORDER 10:07

2. ROLL CALL

MEMBERS PRESENT:

David Neville (Arborist/Urban Forester)
Victoria Guadagnino (Stormwater/Street/Utilities)
Taylor Hartmann (Planning)

Walter Gray (Utilities)
Michelle Forstrom (Code Enforcement)
Charlie George (Community Services)

MEMBERS ABSENT:

Jason Higginbotham (Fire)

OTHERS PRESENT:

Sylvie McCann, Recording Secretary
Morgan Ohlendorf, Planning Tech

3. PLEDGE OF ALLEGIANCE

4. APPROVAL OF MINUTES

4.1 Approval of Minutes of the Regular Meeting of January 25, 2024.

ACTION TAKEN: A motion was made, by Member Forstrom, seconded by Member Guadagnino, to approve the Minutes for the Regular Meeting of January 25, 2024, as presented.

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

5. DISCUSSION ITEMS

6. NEW BUSINESS

6.1 TRC-2024-0003 - GILLETTE & ASSOCIATES, INC., AGENT FOR NASSAU COUNTY MENTAL HEALTH (STARTING POINT BEHAVIORAL HEALTHCARE), PT OF LOT 4, S. 14TH STREET
Site Plan Review for a 3,645 sf commercial building

Alex Bolton, project manager for Gillette & Associates provided members with a updated site plan and welcomed any comments. Chair Hartmann noted that any deviation from the requirement of the “code” would require a variance.

Member Neville asked about the numbers of trees to be retained.

Code Enforcement had no comments.

DRAFT

Member Guadagnino spoke of emergency signage.

The applicant will address the provided comments and will resubmit any revisions.

7. COMMITTEE BUSINESS

8. ADJOURNMENT 10:13 AM

Taylor Hartmann, Chair

From: noreply@civicplus.com
To: [TRC Info](#)
Subject: Online Form Submittal: Technical Review Committee: Application
Date: Wednesday, July 24, 2024 5:54:28 PM

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender, were expecting this email, and know the content is safe.

Technical Review Committee: Application

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 resubmittals of full site plans. \$400 + 2% of the project construction cost (whichever is greater) for up to a maximum of \$4,400.
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IMPORTANT NOTES

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

****Please note that, unless otherwise indicated, the TRC meetings are scheduled as the following:**

TRC Applications are reviewed at 10:00 AM on the 4th Thursdays of each month in City Hall Chambers (204 Ash Street).**

Please see the Land Development Code (LDC) for detailed information:	Requirements for All Site Plans – see LDC section 11.01.04, Construction and Improvements – see LDC section 11.05.00
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The LDC is available for review at	www.fbfl.us/LDC
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Application Requirements	<i>Field not completed.</i>
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Key Contacts

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

PROJECT INFORMATION

Submission Type	Initial Submittal
NOTICE 3rd and all subsequent resubmittals will be charged a fee of 1/2 the original application fees.	
DATE OF YOUR FIRST STEP MEETING (if you have not attended a First Step Meeting , return to the application page and choose the TRC First Step meeting application)	6/13/2024
PROPERTY INFORMATION	Property information can be found at the Nassau County Property Appraiser's Website → Map Search
Site Address	1210 Vintage Way
City	Fernandina Beach
State	FL
Zip	32034
Parcel ID #(s)	00-00-31-1800-0197-0090
Lot	<i>Field not completed.</i>
Block	<i>Field not completed.</i>
Subdivision	<i>Field not completed.</i>
Zoning District	GC/C-2 w/PUD
Future Land Use Designation	General Commercial
Overlay District	None
Size of Property (acres)	1.44
Present Property Use	Vacant
Wetlands	No

Flood Zone	X, area of minimal flood hazard
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Coastal Construction Control Line (CCCL)	No
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OWNER OF RECORD

As recorded with the Nassau County Property Appraiser

First Name	Paul
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Last Name	Woodbury
-----------	----------

Company (if applicable)	Pavilion Health Services, Inc.
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Mailing Address	841 Prudential Drive Suite 1802
-----------------	---------------------------------

City	Jacksonville
------	--------------

State	FL
-------	----

Zip	32207
-----	-------

Telephone Number	9042022790
------------------	------------

Email Address	paul.woodbury@bmcjax.com
---------------	--------------------------

OWNER'S AGENT

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

First Name	Scott
------------	-------

Last Name	Lockwood
-----------	----------

Company (if applicable)	England Thims & Miller, Inc.
-------------------------	------------------------------

Mailing Address	14775 Old St. Augustine Road
-----------------	------------------------------

City	Jacksonville
------	--------------

State	FL
-------	----

Zip	32258
-----	-------

Telephone Number	9042653163
------------------	------------

Email Address	Lockwoods@etminc.com
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PROJECT INFORMATION

Project Type	Site Plan Review
Project Name	Baptist Primary Health Lime Street
Proposed Access Road	Vintage Way
Rd Maintenance Jurisdiction	City Maintained
Project Estimated Cost	1,000,000
Description of Request	Primary Health Clinic with Parking and Associated drainage and utilities.
Site Plan Review Checklist	The names, address, telephone 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., 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 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 distr, 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 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 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.

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

Scott

Applicant Last Name

Lockwood

Today's Date

7/24/2024

Upload Supporting Documentation

[Baptist-Health-Limes-Street-Trans-7-24-24.pdf](#)

Upload 2

[Baptist-Health-Lime-Street-Medical-Clinic-Eng-Plans.pdf](#)

Upload 3

[Baptist-Health-Lime-Street-Medical-Clinic-Owners-Authorization.pdf](#)

Upload 4

[Baptist-Health-Lime-Street-Medical-Clinic-Drain-Calcs.pdf](#)

Upload 5

[Baptist-Health-Lime-Street-Medical-Landscape-Plans.pdf](#)

Field not completed.

Upload 6

Upload 7

Field not completed.

DEPARTMENT OF PLANNING & CONSERVATION
204 Ash Street | Fernandina Beach, FL 32034 | 904 310-3480 |
www.fbfl.us/planning

Email not displaying correctly? [View it in your browser.](#)



July 24, 2024
Via Electronic Submittal Website

Ms. Taylor Hartmann
City Planner
204 Ash Street
City of Fernandina Beach, Florida 32034
904-310-3485

Re: Baptist Health Lime Street

ETM No. 17-252-37

Dear Ms. Hartmann:

Please find the following attachments for your review and approval:

- City Application (filled out online)
- Owners Authorization form.
- Engineering Plans (digitally signed and sealed)
- Drainage Calculations (digitally signed and sealed)
- Landscape Plans prepared by Latimer

Please contact me at 904-265-3163 or via email at lockwoods@etminc.com should you require additional information or have any questions.

Sincerely,

ENGLAND-THIMS & MILLER, INC.

Scott Jordan Lockwood, P.E.
Senior Project Manager - Shareholder

Copy:	Paul Woodbury	Baptist
	Grant Bledsoe, P.E.,	Etm
	Fremont Latimer	



BAPTIST PRIMARY HEALTH LIME STREET

**Nassau County
City of Fernandina Beach, Florida**

DRAINAGE CALCULATIONS

PREPARED FOR:

Pavilion Health Services, Inc.

841 Prudential Drive – Suite 1802
Jacksonville, Florida 32207

PREPARED BY:



England-Thimms & Miller, Inc.

VISION • EXPERIENCE • RESULTS

Engineers – Planners – Surveyors – Landscape Architects

14775 Old St. Augustine Road

Jacksonville, Florida 32258

Registration Number: 2584

Phone: 904-265-3163

Date: July 22, 2024

ETM Job Number: E 17-252-37

ENGINEER OF RECORD SIGNATURE PAGE AND INDEX

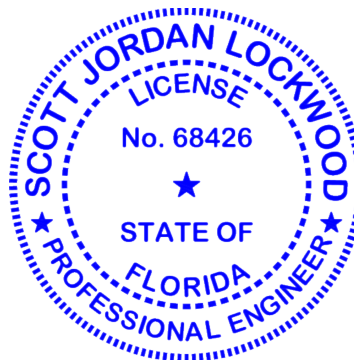
Project Name: BAPTIST PRIMARY HEALTH - LIME STREET ETM Job No. E 17-252-37
Project Location: South 14 Street at Lime Street
Project City / State: City of Fernandina Beach, Nassau County, Florida
Programs used: ICPR v.4.02, AutoCAD 2022 C3D, Microsoft Word, and Excel v.360

TABLE OF CONTENTS:

<u>Sections</u>	<u>Item</u>	<u>Page No(s).</u>
A	Engineer of Record Signature Page and Index	1
B	General Project Information	2
C	Location Map	3
D	Site Map	4
E	Storm Sewer Tabulations	5-8
F	Appendix	
	Exerpt from Vintage Amelia Engineerings prepared by G&A Inc. Revised date 2-22-2018	
	Exerpt from Vintage Amelia Calculations prepared by G&A Inc. Revised date 2-22-2018	

Portion of pages or sections of this report signed and sealed by Engineer excludes Appendices and Figures

Sections A-E



Digital Signature
Scott Jordan
Lockwood, P.E.
2024.07.24
17:19:43 -04'00'



14775 Old St. Augustine Rd., Jacksonville, FL 32258
Phone (904) 265-3163 Reg No: 2584

Lockwoods@etminc.com (904) 265-3163

Notes:

1. This document is prepared in general compliance with: the City of Fernandina Nassau County, Florida and St. Johns River Water Management District rules and regulations (2024) and is not intended for any other agency or third party use.
2. This document has been Digitally signed and sealed, printed copies of this document are not considered signed and sealed and signature must be

GENERAL PROJECT INFORMATION

BAPTIST PRIMARY HEALTH – LIME STREET

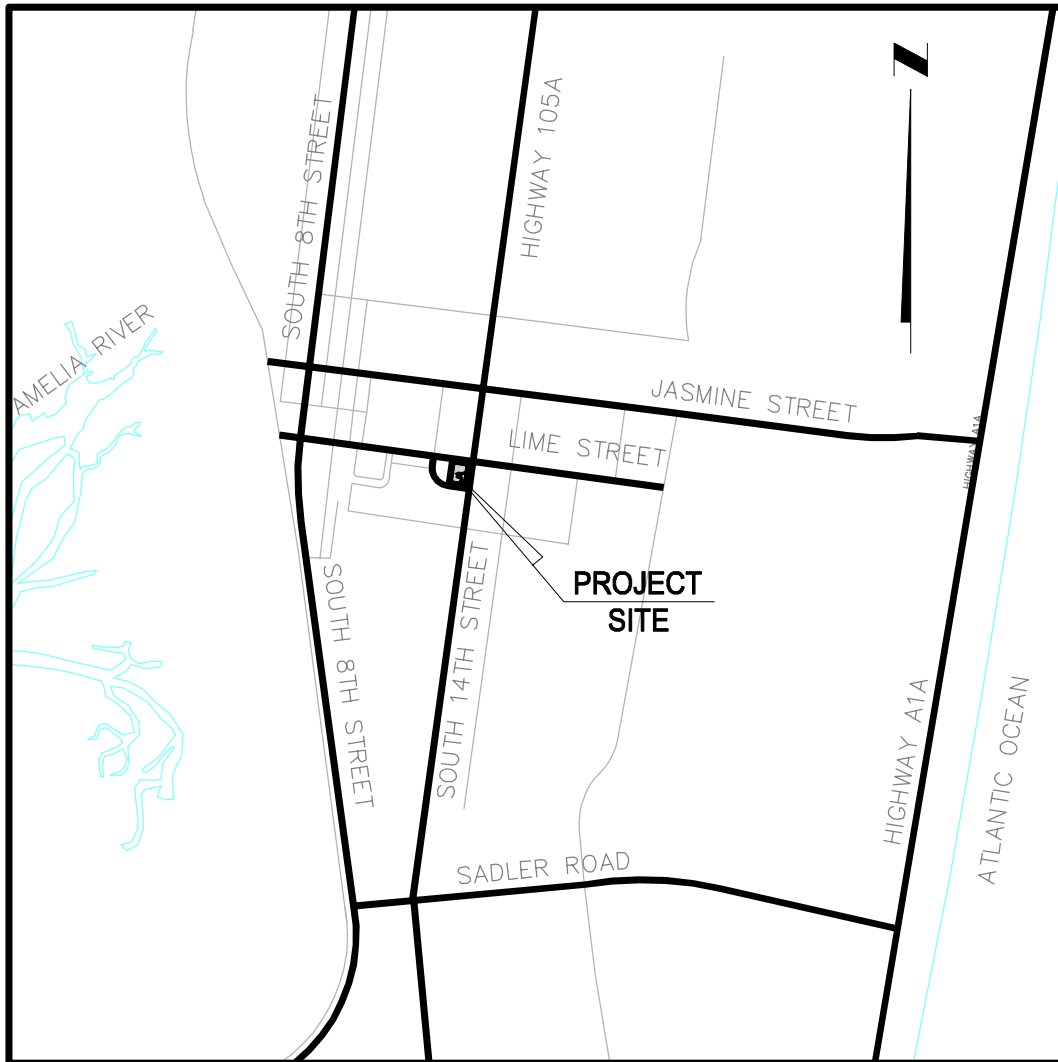
This development, (a primary medical clinic) is located in the City of Fernandina Beach, Florida in Nassau County, Florida. The project is located directly adjacent to the Lime Street / South 14th Street and Vintage Way. During construction, this project will include clearing, grading, installation of underground utilities, parking areas and storm water collection via collector pipes into an existing storm water management facility.

PRE-DEVELOPMENT DRAINAGE INFORMATION

The pre-development drainage generally flows both toward the south, toward Vintage Way.

POST-DEVELOPMENT DRAINAGE INFORMATION

The Post Development Drainage flows into an existing storm water facility (Smf 3) via existing storm drainage pipes that are within the Vintage Amelia Island project prepared by Gillette & Associates, Inc. (G&A Project Number 16-10-05 dated: May 31, 2017).



LOCATION MAP

N.T.S.



VISION - EXPERIENCE - RESULTS
ENGLAND - THIMS & MILLER, INC.

14775 Old St. Augustine Road, Jacksonville, FL 32258
TEL: (904) 642-8990, FAX: (904) 646-9485
REG - 2584 LC - 0000316

LOCATION MAP

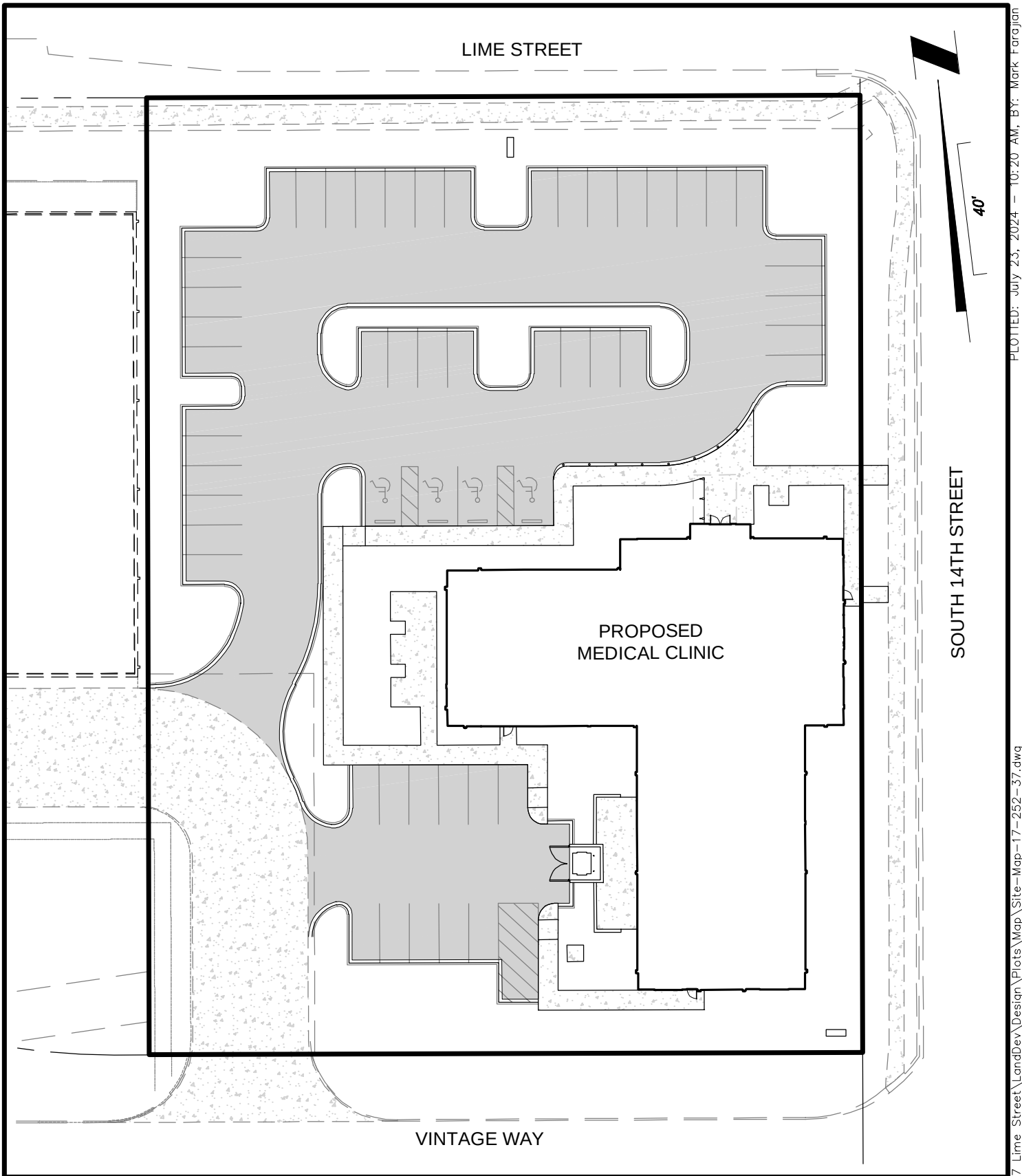
BAPTIST MEDICAL FERNANDINA
FOR
JX PALM COAST LAND, LLC

ETM NO. 22-488-01

DRAWN BY: M. Decker

DATE: July 18, 2024

DRAWING NO. 1



PLOTTED: July 23, 2024 -- 10:20 AM, BY: Mark Farajon

I:\2017\17-252\17-252-37 Lime Street\LandDev\Design\Plots\Map\Site-Map-17-252-37.dwg



VISION - EXPERIENCE - RESULTS
ENGLAND - THIMS & MILLER, INC.
14775 Old St. Augustine Road, Jacksonville, FL 32258
TEL: (904) 642-8990, FAX: (904) 646-9485
REG - 2584 LC - 0000316

SITE MAP

**BAPTIST MEDICAL FERNANDINA
FOR
JX PALM COAST LAND, LLC**

ETM NO. 22-488-01
DRAWN BY: M. Decker
DATE: July 22, 2024
DRAWING NO. 1



Storm Sewer Tabulation

Version: 1.7

Project: Baptist Primary Health Lime Street

Discharge to: SMF-1

Engineer of Record: Scott Lockwood, P.E.

NWL= 13.90

ETM No. 17-252-37

Design Storm: 5 YR-24HR STORM INTENSITY, 5-YR HGL

DHW(5yr)= 15.01

From	To	Length (ft)	Drainage Area (Acres)			External	Tc (min.)	TL (min.)	i	Total (CA)	Total Flow (cfs)	Grate Elev.	Drop (ft)	Hydraulic Grade Level			Pipe Size		Type n	Hydraulic Gradient			Minor Losses		
Type of Structure	Type of Structure		C = 0.50 C = 0.60 C = 0.90			Flow (cfs)								Crown Elevation			Span (in.)	Rise (in.)		Physical					
			Incr.	C	C*A	Flow (cfs)								Invert Elevation						Slope (%)	Vel. (fps)	Q (cfs)			
														Up End	Dn End	Fall									
Yard Drain S-105	Type B S-104	66	0.09	0.50	0.05	0.00	15.00	1.61	5.31	0.05	0.24	18.40		17.07	17.05	0.02	8	8	0.010	0.02%	0.69	0.24	Minor Loss = 0.00	Loss Coeff. = 0.40	Cover = 1.29
Type B S-104	Type B S-103	116	0.14	0.60	0.08		16.61	1.70	5.10	0.17	0.89	18.85	-0.33	17.07	16.87		12	12	0.010	0.30%	2.48	0.86	Minor Loss = 0.01	Loss Coeff. = 0.40	Cover = 1.59
				0.90	0.00	0.24								16.40	16.20	0.20				0.04%	1.13	0.89	Loss Coeff. = 0.40		
					0.50	0.00									17.05	17.00				0.04	0.17%	2.45	1.92	Cover = 1.59	
Type B S-103	Type B S-102	54	0.29	0.60	0.17		18.31	0.46	4.89	0.47	2.41	18.40	0.85	16.83	16.74	0.06	15	15	0.012	0.12%	1.96	2.41	Minor Loss = 0.02	Loss Coeff. = 0.40	Cover = 2.15
				0.90	0.00	0.85								16.15	15.90					0.46%	3.88	4.76	Cover = 2.15		
					0.50	0.00									16.74	16.48				0.22	0.24%	2.76	3.39	Minor Loss = 0.05	
Type B S-102	Type B S-101	92	0.02	0.60	0.01		18.77	0.55	4.83	0.66	3.39	18.55		15.90	15.60		15	15	0.012				Loss Coeff. = 0.40	Cover = 2.55	
				0.90	0.00	0.06								14.65	14.35	0.30				0.33%	3.26	4.00	Cover = 2.55		
					0.50	0.00									16.48	16.39				0.06	0.12%	2.19	3.87	Minor Loss = 0.03	
Type B S-101	Type C S-1	56	0.09	0.60	0.05		19.32	0.43	4.77	0.75	3.87	18.75		15.60	15.30		18	18	0.012				Loss Coeff. = 0.40	Cover = 3.02	
				0.90	0.00	0.26								14.10	13.80	0.30				0.54%	4.71	8.33	Cover = 3.02		
					0.50	0.00									16.39	16.21				0.09	0.33%	3.69	6.52	Minor Loss = 0.08	
Type C S-1	Type C S-2	28	0.72	0.60	0.43		19.75	0.13	4.72	1.30	6.52	16.48	0.28	15.02	14.96		18	18	0.012				Loss Coeff. = 0.40	Cover = 1.33	
				0.90	0.00	2.04								13.52	13.46	0.06				0.21%	2.98	5.27	Cover = 1.33		
					0.50	0.00									16.21	16.05				0.11	0.12%	2.75	8.64	Minor Loss = 0.05	
Type C S-2	Type C S-3	90	0.50	0.60	0.00		19.88	0.55	4.71	1.75	8.64	17.82	-0.48	15.44	15.34		24	24	0.012				Loss Coeff. = 0.40	Cover = 2.20	
				0.90	0.45	2.12								13.44	13.34	0.10				0.11%	2.60	8.17	Cover = 2.20		
					0.50	0.00									16.05	15.93				0.05	0.19%	3.41	10.73	Minor Loss = 0.07	
Type C S-3	MH S-4	24	0.50	0.60	0.00		20.42	0.12	4.65	2.20	10.73	16.50	0.05	15.29	15.12		24	24	0.012				Loss Coeff. = 0.40	Cover = 1.03	
				0.90	0.45	2.09								13.29	13.12	0.17				0.71%	6.56	20.63	Cover = 1.03		
					0.50	0.00									15.93	15.77				0.09	0.19%	3.41	10.73	Minor Loss = 0.07	
MH S-4	Type C S-22	46	0.00	0.60	0.00		20.54	0.22	4.64	2.20	10.73	17.42	0.05	15.07	14.92		24	24	0.012				Loss Coeff. = 0.40	Cover = 2.17	
				0.90	0.00	0.00								13.07	12.92	0.15				0.33%	4.45	13.99	Cover = 2.17		
					0.50	0.00									15.77	15.50				0.16	0.31%	4.31	13.54	Minor Loss = 0.12	
Type C S-22	Type C S-23	51	0.23	0.60	0.00		20.76	0.20	4.61	2.77	13.54	16.83	0.63	14.29	14.36		24	24	0.012				Loss Coeff. = 0.40	Cover = 2.36	
				0.90	0.21	0.95								12.29	12.36	-0.07				-0.14%	#NUM!	#NUM!	Cover = 2.36		
					0.50	0.00									15.50	15.27				0.16	0.14%	3.40	16.68	Minor Loss = 0.07	
Type C S-23	Type C S-24	111	0.76	0.60	0.00		20.96	0.54	4.59	3.45	16.68	17.00		14.36	14.21		30	30	0.012				Loss Coeff. = 0.40	Cover = 2.39	
				0.90	0.68	3.14								11.86	11.71	0.15				0.14%	3.33	16.33	Cover = 2.39		
					0.50	0.00									15.27	15.22				0.03	0.03%	1.99	19.13	Minor Loss = 0.02	
Type C S-24	Type C S-25	83	0.60	0.60	0.00		21.50	0.70	4.53	3.99	19.13	17.25		14.21	14.14		42	42	0.012				Loss Coeff. = 0.40	Cover = 2.68	
				0.90	0.54	2.45								10.71	10.64	0.07				0.08%	3.29	31.65	Cover = 2.68		
					0.50	0.00									15.22	15.01				0.05	0.08%	3.25	31.25	Minor Loss = 0.16	
Type C S-25	MES S-26	58	0.56	0.60	0.00		22.20	0.30	4.47	6.37	31.25	17.25		14.14	14.10		42	42	0.012				Loss Coeff. = 1.00	Cover = 2.75	
				0.90	0.50	2.25								10.64	10.60	0.04				0.07%	2.97	28.62	Cover = 2.75		



Storm Sewer Tabulation

Version: 1.7

Project: Baptist Primary Health Lime Street

Discharge to: SMF-1

Engineer of Record: Scott Lockwood, P.E.

NWL= 13.90

ETM No. 17-252-37

Design Storm: 5 YR-24HR STORM INTENSITY, 5-YR HGL DHW(5yr)= 15.01

From	To	Length (ft)	Drainage Area (Acres)			External	Tc (min.)	TL (min.)	i	Total (CA)	Total Flow (cfs)	Grate Elev.	Drop (ft)				Pipe Size Span Rise (in.) (in.)	Type n				Minor Losses	
Type of Structure	Type of Structure		C = 0.50			Flow (cfs)								Hydraulic Grade Level					Hydraulic Gradient				
			C = 0.60			Flow (cfs)								Crown Elevation					Physical				
			C = 0.90											Invert Elevation					Slope (%)	Vel. (fps)	Q (cfs)		
			Incr.	C	C*A									Up End	Dn End	Fall							
Branch	S-25																						
Type C S-29	Type C S-28	181		0.50	0.00		15.00	1.21	5.31	0.83	4.40	17.25		15.89	15.58	0.27	18	18	HDPE 0.012	0.15%	2.49	4.40	Minor Loss = 0.04
				0.60	0.00									15.00	14.54							Loss Coeff. = 0.40	
			0.92	0.90	0.83	4.40								13.50	13.04	0.46				0.25%	3.25	5.74	Cover = 2.12
Type C S-28	Type C S-25	185		0.50	0.00		16.21	0.98	5.15	1.87	9.87	17.25	-0.43	15.58	15.22	0.30	24	24	HDPE 0.012	0.16%	3.14	9.87	Minor Loss = 0.06
				0.60	0.00									14.97	14.65							Loss Coeff. = 0.40	
			0.54	0.90	0.49	2.50								12.97	12.65	0.32				0.17%	3.24	10.19	Cover = 2.10
Branch	S-22																						
Type C S-20	Type C S-21	100		0.50	0.00		15.00	2.14	5.31	0.18	0.96	17.75		15.97	15.94	0.02	15	15	HDPE 0.012	0.02%	0.78	0.96	Minor Loss = 0.00
				0.60	0.00									15.50	15.05							Loss Coeff. = 0.40	
			0.20	0.90	0.18	0.96								14.25	13.80	0.45				0.45%	3.82	4.69	Cover = 2.14
Type C S-21	Type C S-22	225		0.50	0.00		17.14	2.47	5.03	0.36	1.86	17.30		15.94	15.77	0.16	15	15	HDPE 0.012	0.07%	1.52	1.86	Minor Loss = 0.01
				0.60	0.00									15.05	14.54							Loss Coeff. = 0.40	
			0.20	0.90	0.18	0.91								13.80	13.29	0.51				0.23%	2.71	3.33	Cover = 2.14
Branch	S-28																						
Type C S-27	Type C S-28	110		0.50	0.00	0.00	15.00	1.09	5.31	0.56	2.96	17.50		15.67	15.58	0.07	18	18	HDPE 0.012	0.07%	1.68	2.96	Minor Loss = 0.02
				0.60	0.00									15.25	14.97							Loss Coeff. = 0.40	
			0.62	0.90	0.56	2.96								13.75	13.47	0.28				0.25%	3.25	5.74	Cover = 2.12
Branch	S-1																						
Yard Drain S-114	Yard Drain S-113	80		0.50	0.00		15.00	0.97	5.31	0.09	0.48	18.00		16.56	16.47	0.07	8	8	PVC 0.010	0.09%	1.37	0.48	Minor Loss = 0.01
			0.15	0.60	0.09									16.17	15.87							Loss Coeff. = 0.40	
				0.90	0.00	0.48								15.50	15.20	0.30				0.38%	2.75	0.96	Cover = 1.79
Yard Drain S-113	Yard Drain S-112	63		0.50	0.00		15.97	0.77	5.18	0.09	0.48	17.50		16.47	16.40	0.06	8	8	PVC 0.010	0.09%	1.37	0.48	Minor Loss = 0.01
			0.00	0.60	0.00									15.87	15.67							Loss Coeff. = 0.40	
				0.90	0.00	0.00								15.20	15.00	0.20				0.32%	2.53	0.89	Cover = 1.59
Yard Drain S-112	Type C S-1	85		0.50	0.00		16.74	1.84	5.08	0.11	0.61	17.50		16.40	16.39	0.01	12	12	PVC 0.010	0.02%	0.77	0.61	Minor Loss = 0.00
			0.00	0.60	0.00									15.67	15.27							Loss Coeff. = 0.40	
				0.90	0.00	0.00								14.67	14.27	0.40				0.47%	4.04	3.18	Cover = 1.77
Branch	S-101																						
Yard Drain S-110	Type E S-101	57		0.50	0.00	0.00	15.00	1.49	5.31	0.04	0.22	19.00		16.98	16.97	0.01	8	8	PVC 0.010	0.02%	0.64	0.22	Minor Loss = 0.00
			0.07	0.60	0.04									17.17	16.97							Loss Coeff. = 0.40	
				0.90	0.00	0.22								16.50	16.30	0.20				0.35%	2.66	0.93	Cover = 1.79
Branch	S-102																						
Yard Drain S-109	Type E S-102	34		0.50	0.00	0.00	15.00	0.41	5.31	0.09	0.48	17.80		16.79	16.74	0.03	8	8	PVC 0.010	0.09%	1.37	0.48	Minor Loss = 0.01
			0.15	0.60	0.09									16.17	15.92							Loss Coeff. = 0.40	
				0.90	0.00	0.48								15.50	15.25	0.25				0.74%	3.86	1.35	Cover = 1.59
Branch	S-102																						
Yard Drain S-108	Type E S-102	41		0.50	0.00	0.00	15.00	0.53	5.31	0.08	0.45	19.00		16.91	16.87	0.03	8	8	PVC 0.010	0.08%	1.28	0.45	Minor Loss = 0.01
			0.14	0.60	0.08									17.17	16.87							Loss Coeff. = 0.40	
				0.90	0.00	0.45								16.50	16.20	0.30				0.73%	3.85	1.34	Cover = 1.79



Storm Sewer Tabulation

Version: 1.7

Project: Baptist Primary Health Lime Street

Engineer of Record: Scott Lockwood, P.E.

Discharge to: SMF-1

NWL= 13.90

Design Storm: 5 YR-24HR STORM INTENSITY, 5-YR HGL DHW(5yr)= 15.01

ETM No. 17-252-37

From	To	Length (ft)	Drainage Area (Acres)			External	Tc (min.)	TL (min.)	i	Total (CA)	Total Flow (cfs)	Grate Elev.	Drop (ft)				Pipe Size Span Rise (in.) (in.)	Type n				Minor Losses	
Type of Structure	Type of Structure		C = 0.50 C = 0.60 C = 0.90			Flow (cfs)								Hydraulic Grade Level					Hydraulic Gradient				
						Flow (cfs)								Crown Elevation					Physical				
														Invert Elevation					Slope (%)	Vel. (fps)	Q (cfs)		
			Up End	Dn End	Fall																		
Branch	S-103																						
Yard Drain S-107	Type E S-103	86		0.50	0.00	0.00	15.00	0.75	5.31	0.13	0.67	17.20		17.01	16.83	0.16	8	8	PVC 0.010	0.18%	1.92	0.67	Minor Loss = 0.02
			0.21	0.60	0.13	15.87								15.57							Loss Coeff. = 0.40		
				0.90	0.00	0.67								15.20	14.90	0.30				0.35%	2.66	0.93	Cover = 1.29
Branch	S-104																						
Yard Drain S-106	Type E S-104	91		0.50	0.00	0.00	15.00	2.37	5.31	0.04	0.22	19.00		17.07	17.05	0.02	8	8	PVC 0.010	0.02%	0.64	0.22	Minor Loss = 0.00
			0.07	0.60	0.04									17.17	16.87							Loss Coeff. = 0.40	
				0.90	0.00	0.22								16.50	16.20	0.30				0.33%	2.58	0.90	Cover = 1.79
Branch	S-112																						
Yard Drain S-111	Yard Drain S-112	91		0.50	0.00	0.00	15.00	4.15	5.31	0.02	0.13	19.00		16.87	16.87	0.01	8	8	PVC 0.010	0.01%	0.37	0.13	Minor Loss = 0.00
			0.04	0.60	0.02									17.17	16.87							Loss Coeff. = 0.40	
				0.90	0.00	0.13								16.50	16.20	0.30				0.33%	2.58	0.90	Cover = 1.79

APPENDIX

PERMIT SET
NOT FOR CONSTRUCTION

ENGINEERING PLANS

FOR

VINTAGE AMELIA ISLAND

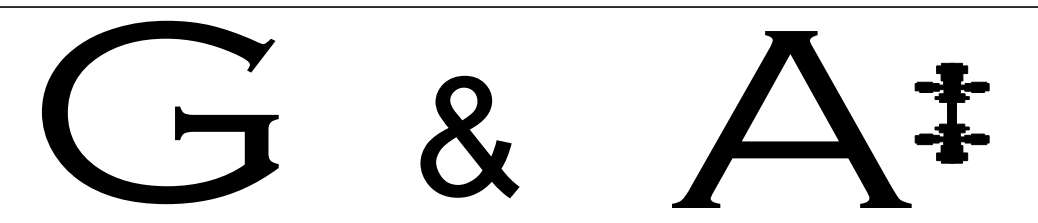
FOR

VINTAGE AT AMELIA ISLAND, LLC

GILLETTE & ASSOCIATES, INC.

CIVIL & ENVIRONMENTAL ENGINEERING
MECHANICAL & STRUCTURAL ENGINEERING
PERMITTING & CONSTRUCTION MANAGEMENT

20 SOUTH 4TH STREET AMELIA ISLAND, FLORIDA 32034
PHONE: 904/261-8819



PERMITTING AGENCIES

CITY OF FERNANDINA BEACH: 904-310-3421
SJRWMD: 904-730-6270

UTILITY PROVIDERS

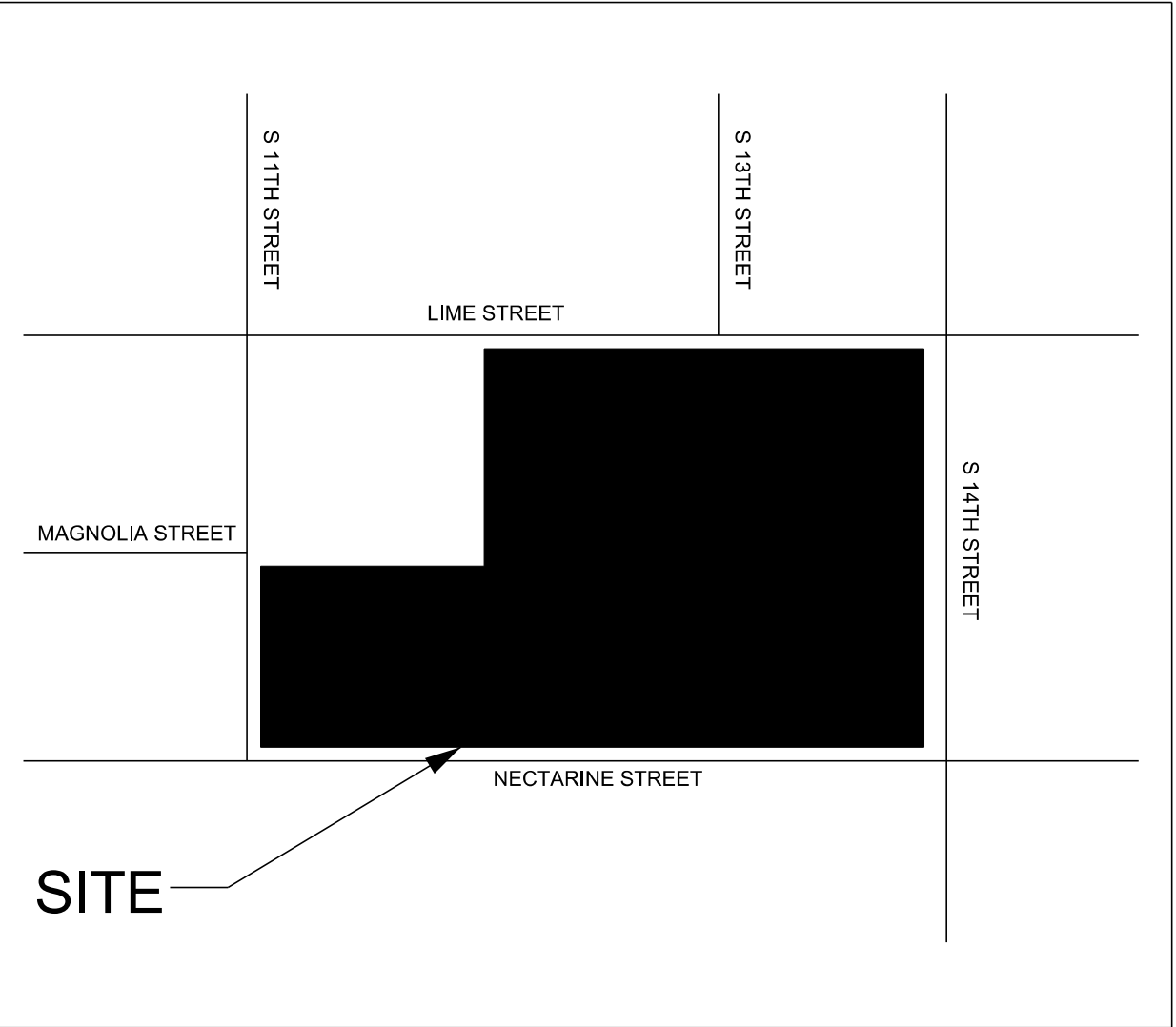
WATER/SEWER: CITY OF FERNANDINA BEACH
ELECTRIC: FLORIDA PUBLIC UTILITIES
CABLE: COMCAST
TELEPHONE: AT&T

G&A Project
No.:16-10-05

VINTAGE AMELIA ISLAND
FOR
VINTAGE AT AMELIA ISLAND, LLC

RELEASED FOR CONSTRUCTION BY

SITE LOCATION MAP



ISSUE DATE: May 31, 2017
REVISED: February 22, 2018

\$\$\$FileName\$\$\$

份	K
份	J
份	I
份	H
份	G
份	F
份	E
份	D
份	C
份	B
份	A
	No

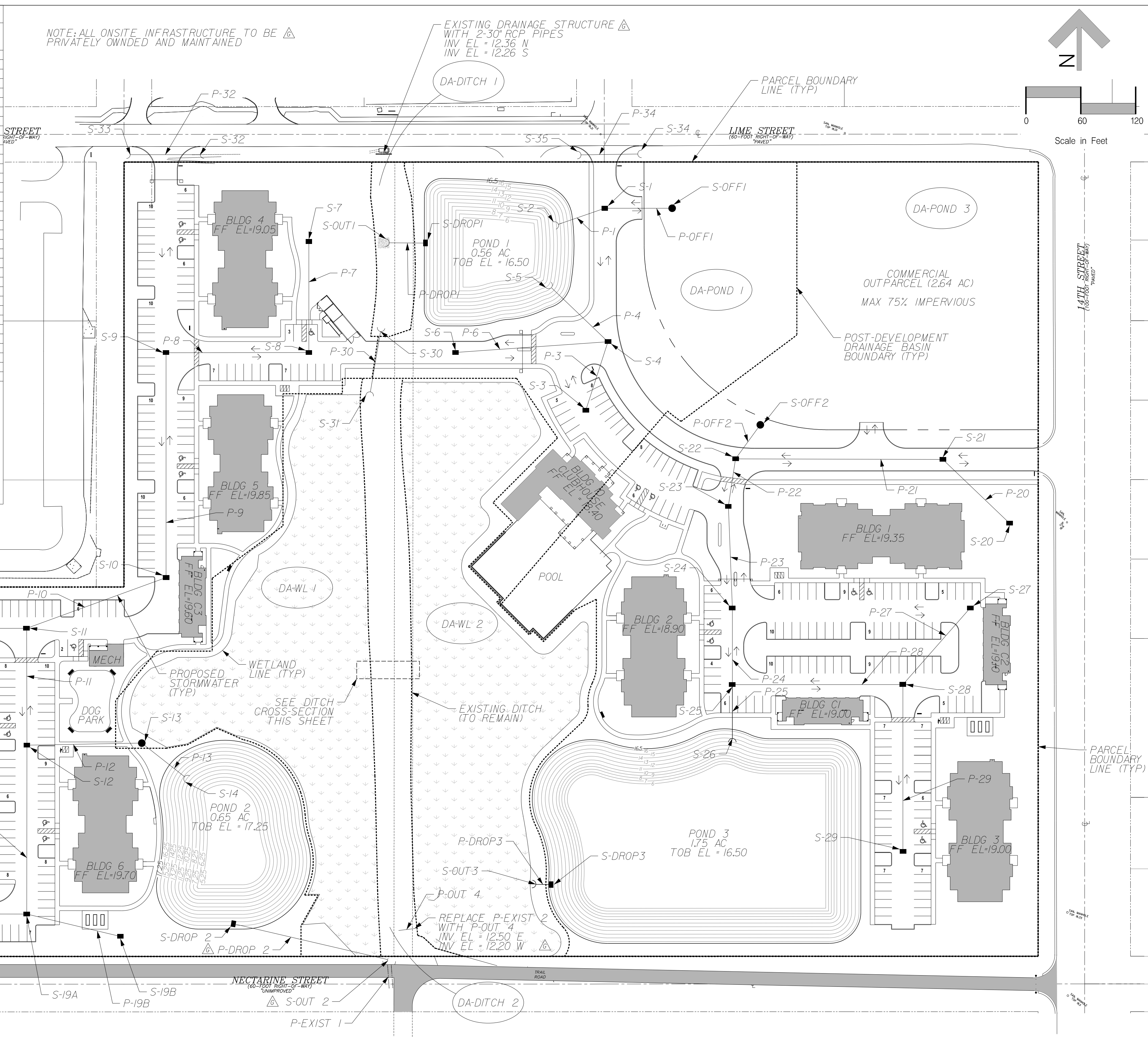
Scale:	1" = 60'
Project Mgr:	AG
Designed by:	AG
Drawn by:	AM
QA/QC:	BM

G & A[†]
 GILLETTE & ASSOCIATES, INC
 20 SOUTH 4TH STREET
 FERNANDINA BEACH, FL 32034
 PHONE: (904) 261-8819

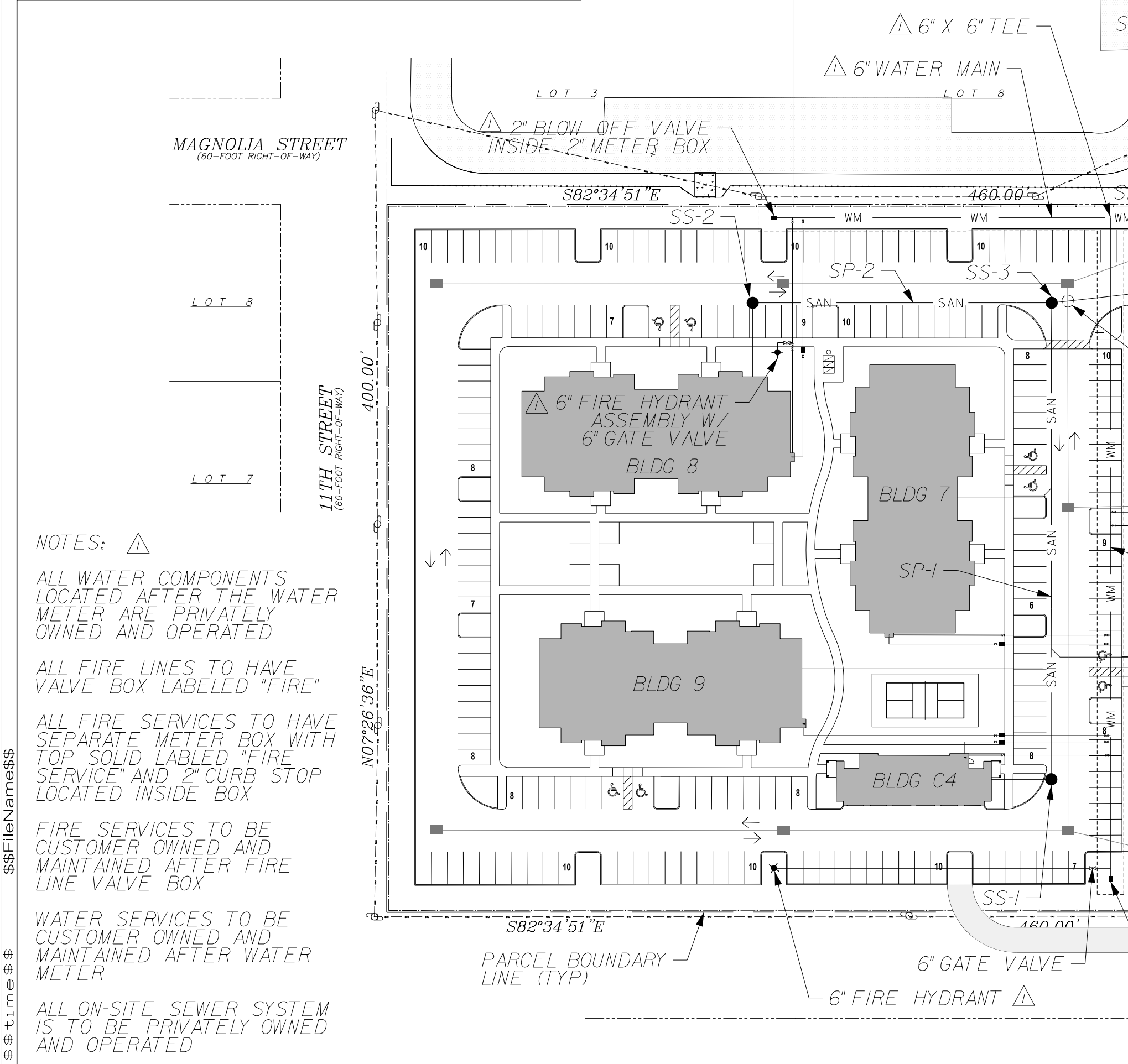
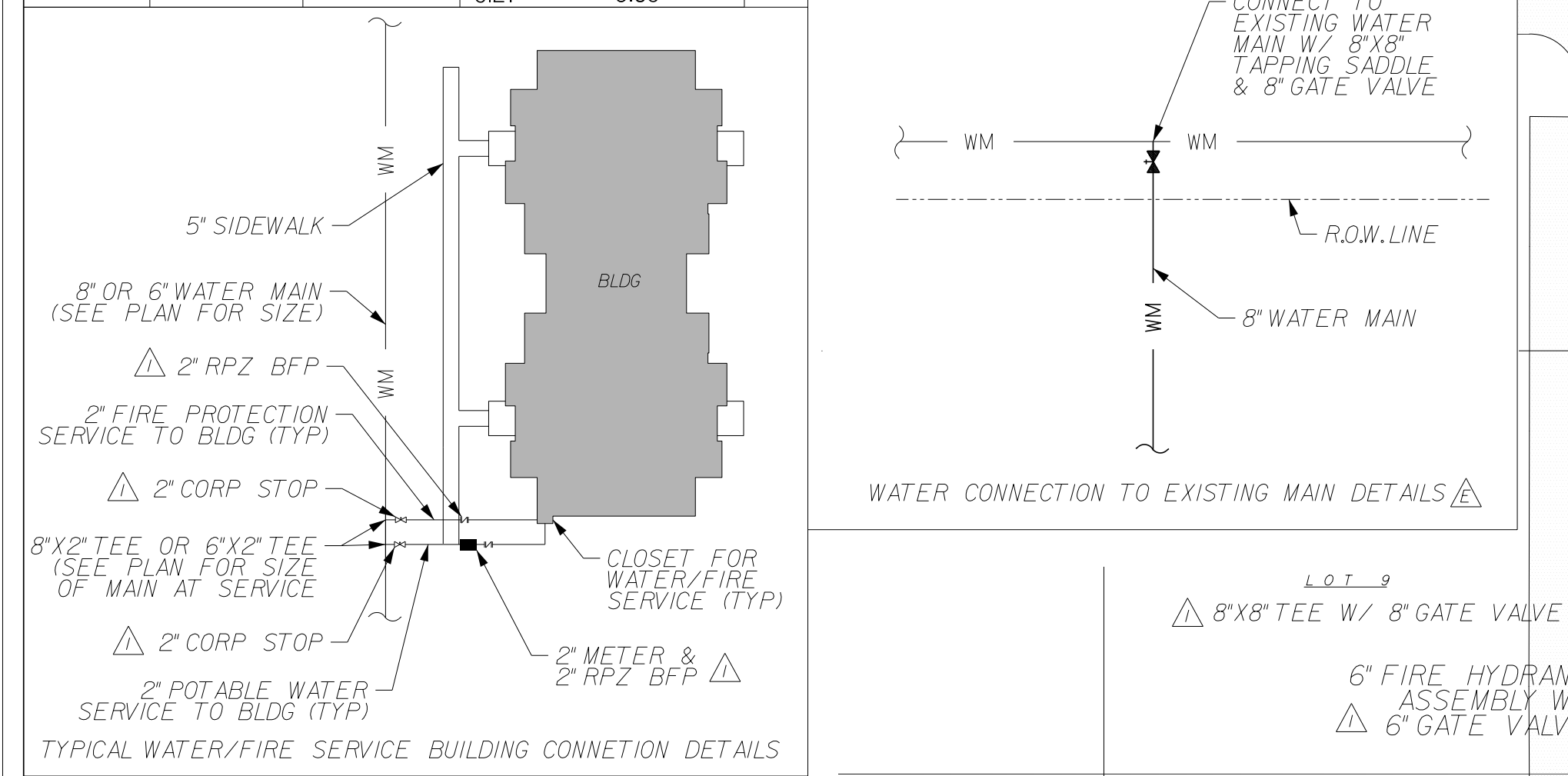
VINTAGE
AMELIA ISLAND

Registered Professional

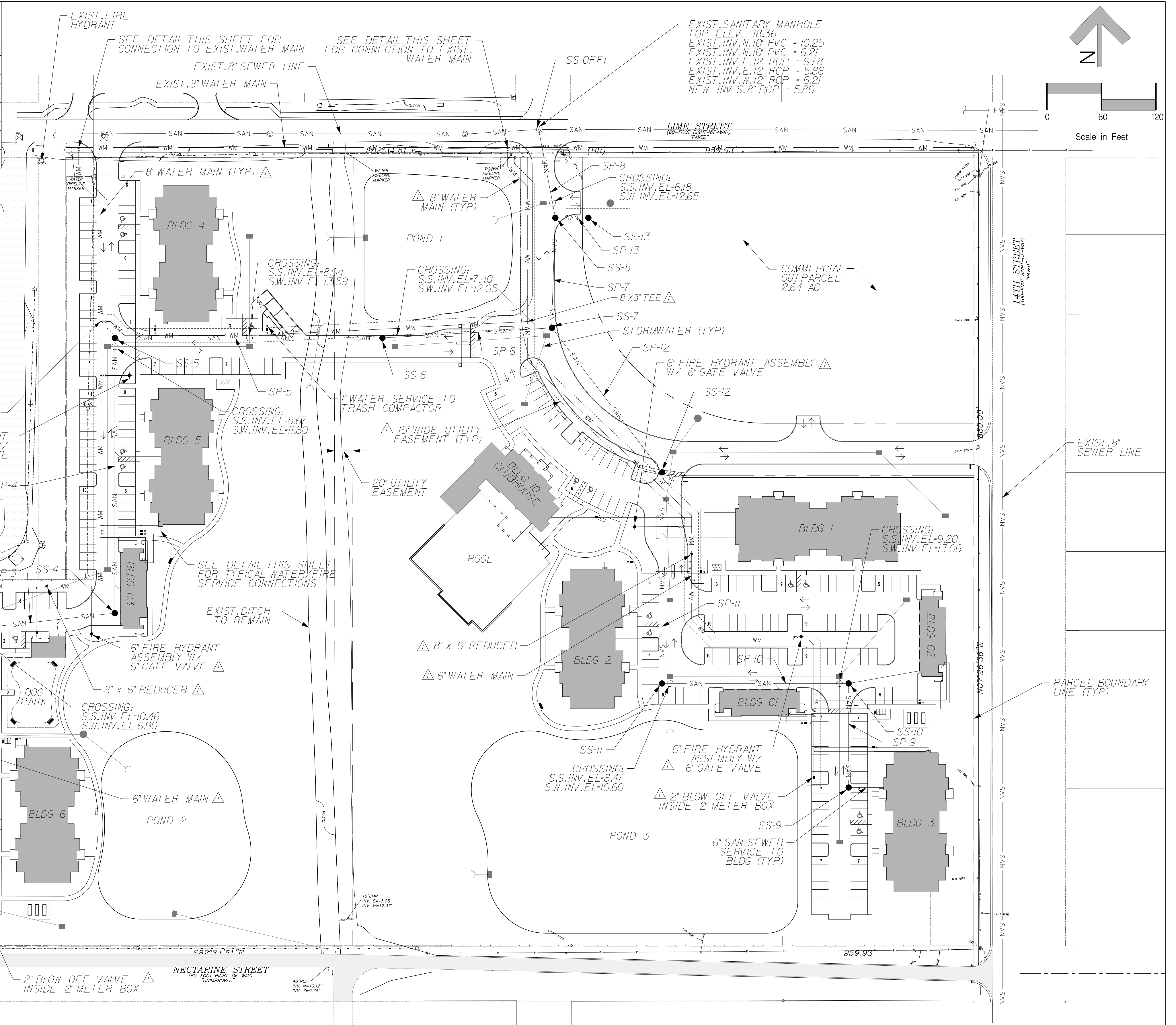
SHEET NO.
DR-1
6 of 16
Issue Date
February 22, 2018
Project No.
17-10.24



SANITARY STRUCTURE TABLE					SANITARY PIPE TABLE					
NAME	TYPE	TOP/ INLET ELEV.	INVERT ELEVATION				NAME	FROM	TO	SIZE
			N	S	E	W				LENGTH
SS-1	MANHOLE	18.30	11.58	-	-	-	SP-1	SS-1	SS-3	8"
SS-2	MANHOLE	18.17	-	11.18	-	-	SP-2	SS-2	SS-3	8"
SS-3	MANHOLE	17.85	-	10.50	10.50	-	SP-3	SS-3	SS-4	8"
SS-4	MANHOLE	19.00	9.83	-	-	9.83	SP-4	SS-4	SS-5	8"
SS-5	MANHOLE	17.60	-	8.63	8.63	-	SP-5	SS-5	SS-6	8"
SS-6	MANHOLE	17.70	-	-	7.46	7.46	SP-6	SS-6	SS-7	8"
SS-7	MANHOLE	17.90	6.72	6.72	-	6.72	SP-7	SS-7	SS-8	8"
SS-8	MANHOLE	17.88	6.24	6.24	6.24	-	SP-8	SS-8	SS-OFF1	8"
SS-9	MANHOLE	18.15	9.70	-	-	-	SP-9	SS-9	SS-10	8"
SS-10	MANHOLE	17.80	-	9.24	-	9.24	SP-10	SS-10	SS-11	8"
SS-11	MANHOLE	17.80	8.43	-	8.43	-	SP-11	SS-11	SS-12	8"
SS-12	MANHOLE	17.80	7.51	7.51	-	-	SP-12	SS-12	SS-7	8"
SS-13	MANHOLE	18.00	-	-	-	6.38	SP-13	SS-13	SS-8	8"
SS-OFF1	MANHOLE	18.36	10.25	5.86	9.78	6.21				



No.	By	Date	Revision
K	BM	2-22-18	REVISED PER SJRWMD REVIEW
J	BM	2-15-18	REVISED PER ICC PLAN REVIEW COMMENTS
I	BM	1-11-18	REVISED PER SJRWMD REVIEW
H	BM	12-13-17	REVISED PER SJRWMD REVIEW
G	BM	10-2-17	REVISED PER CITY COMMENTS
F	AM	8-14-17	CLIENT REDEVELOPMENT
E	AM	7-14-17	REVISED PER CITY COMMENTS
D	AM	7-3-17	REDEVELOPMENT
C	AM	5-8-17	POND RECONFIGURATION
B	AM	4-27-17	REDEVELOPMENT
A	AM	4-18-17	CLIENT DEVELOPMENT



Project Mgr: AG

Designed by: AG

Drawn by: AM

QA/QC: BM

Gillette & Associates, Inc.

20 South 4th Street

Fernandina Beach, FL 32034

Certificate of Authorization No. 9332

DO NOT SCALE THIS DRAWING - DIMENSIONS AND NOTES TAKE PREFERENCE. DRAWING IS REDUCED IF LESS THAN 22" x 34"

G & A

GILLETTE & ASSOCIATES, INC.

20 SOUTH 4TH STREET

FERNANDINA BEACH, FL 32034

PHONE: (904) 261-8819

VINTAGE

AMELIA ISLAND

VINTAGE

AMELIA ISLAND

ON-SITE

UTILITY PLAN

SHEET NO.

UT-1

9 of 16

Issue Date

February 22, 2018

Project No.

17-1024

Registered Professional



Civil & Environmental Engineering • Mechanical & Structural Engineering • Construction Management

SITE DRAINAGE EVALUATION

**VINTAGE AMELIA
14TH STREET AND LIME STREET
FERNANDINA BEACH, FLORIDA**

BY

**Gillette & Associates, Inc.
20 South 4th Street
Fernandina Beach, FL**

Issue Date: October 19, 2017
Revision Date: February 22, 2018

Pond 3

Post Developed

Basin Calculations

Basin 1

Composite Cn	Total Drainage Area =	8.62 Ac.	
	Impervious Area =	4.31 Ac.	63% (not including pond area)
	Pond Area =	1.75 Ac.	
	Pervious Area =	2.56 Ac.	*Note 1.52 Ac of impervious area comes from DA OFF-2
	Impervious Cn =	98.0	
	Pond Cn =	100.0	
	Pervious Cn =	68.0	
	Composite Cn =	89.5	

Time of Concentration, Tc

Minimum Time of Concentration =	10 min.
Length of Overland Flow @ 1ft/sec. =	80 ft.
Length of Pipe Flow @ 2.5 ft/sec. =	505 ft.
Tc =	15 min.

Equivalent Runoff Coefficient, Ct

Soil Storage, S = 1000/Cn -10 =	1.17 in.
Precipitation Depth, Pt =	7.68 (Zone 5)
Ct = 1 - S/Pt * (1.2 - S/(Pt + .8S)) =	0.84

Pond Information

El. (ft.)		Area (Ac.)	Volume (Ac.-ft.)
16.50	TOB	1.75	13.14
16.00	Weir	1.65	12.29
15.25		1.61	11.07
15.00		1.56	10.67
14.50		1.51	9.90
14.00		1.47	9.16
13.90	NWL	1.45	9.01
13.00		1.38	7.74
12.00		1.29	6.41
11.00		1.20	5.16
10.00		1.12	4.00
9.00		1.06	2.91
8.00		1.00	1.88
7.00		0.94	0.91
6.00	Bottom	0.88	0.00

Treatment Volume Required, TVR

TVR = 1" * (1'/12")*Total Drainage Area =	0.72 Ac.-ft.
or	
TVR = 2.5" * (1'/12")*Total Impervious Drainage Area =	0.90 Ac.-ft.
TVR =	0.90 Ac.-ft.

Treatment Volume Provided, TVP

TVP = Vol @ Weir - Vol @ NWL =	3.27 Ac.-ft. OK
--------------------------------	-----------------

Permanent Pool Volume Required, PPV

Drainage Area, Da =	8.62 Ac.
Ct =	0.84
Wet Season Rainfall Depth, R =	28 in.

Residence Time, RT = 21 days OK
 Length of Wet Season, WS = 153 days

PPV Required = $Da \cdot Ct \cdot R \cdot RT / (WS \cdot 12) = 2.31 \text{ Ac.-ft.}$

Permanent Pool Volume Provided, PPV

PPV Provided = Vol @ NWL = 9.01 Ac.-ft. OK

Pond Geometry Checks

Depth = 10.50 ft. OK
 Mean Depth = 7.90 ft. OK
 Average length = 785 ft.
 Average width = 139 ft.
 Ave Length to Width Ratio 5.6 :1 OK

Sizing Bleed-Down Orifice for Residency Time

Formulas:

$$Q = .6 \cdot A \cdot (2 \cdot 32.2 \cdot h)^{1/2}$$

$$A = D^2 \cdot \pi / 4$$

$$t = TV / (2 \cdot Q \cdot 3600)$$

$$h = (h_1 + h_2) / 2$$

Where

Q = Rate of Discharge (cfs)

A = Orifice Area (ft²)

D = Orifice Diameter (ft)

π = 3.14159

h = Depth of Water Above the Flowline of the Orifice (ft)

t = Recovery Time (hrs)

TV = Treatment Volume Required (ft³)

h₁ = elevation @ TV - NWL Elevation

h₂ = elevation when 1/2 TV has been released - NWL Elevation

Treatment Volume (Ac.-ft.) 0.90
 Weir Elevation (ft.) 15.50
 NWL Elevation (ft.) 13.90
 Orifice Diameter (in.) 3.75

Calculated Values:

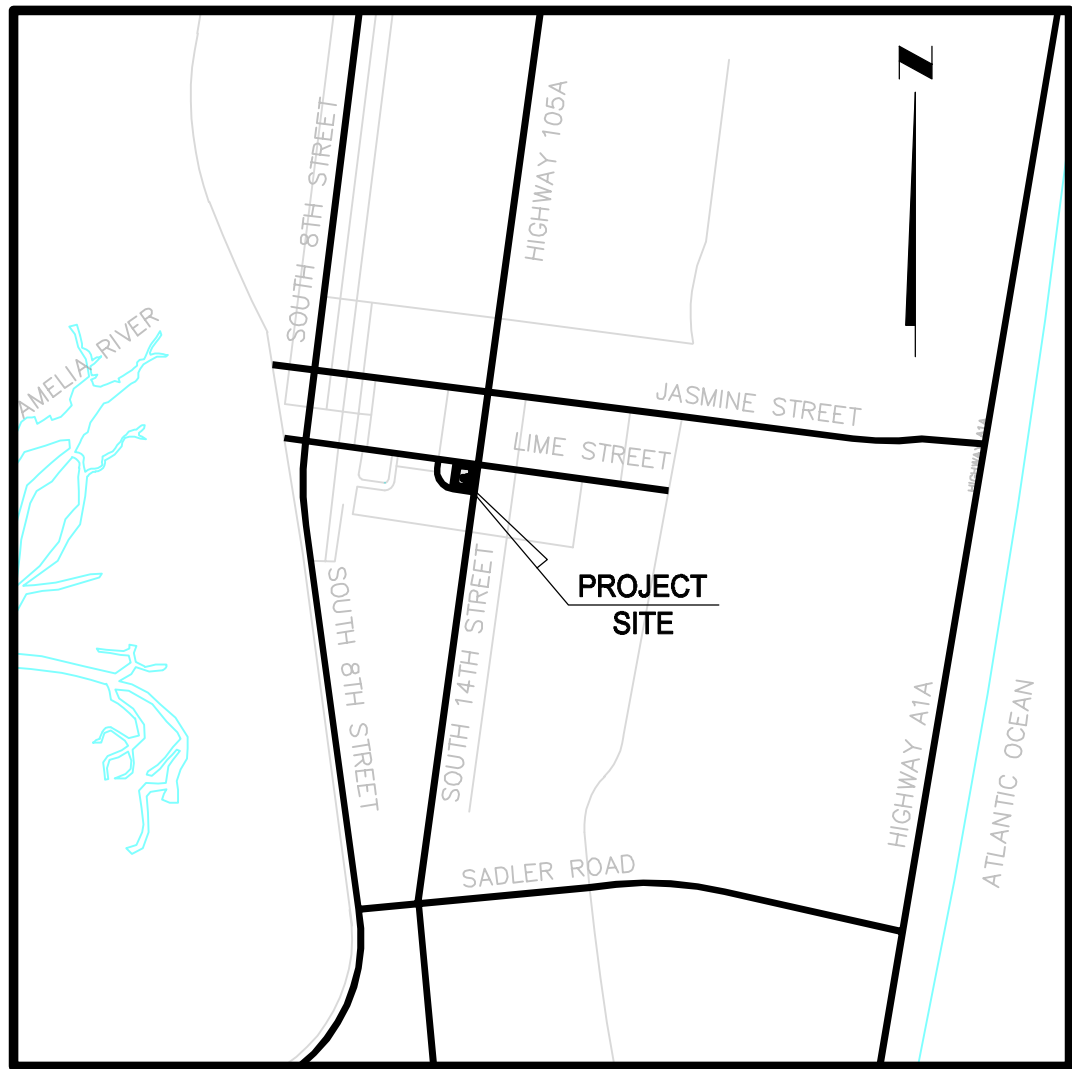
h (ft) 0.28
 A (ft²) 0.08
 Q (cfs) 0.19

t 27.92

t Should be between 24 and 30 hrs. TRUE (minimum diameter for 6 in² area is 2.8 inches)

BAPTIST PRIMARY HEALTH LIME STREET FERNANDINA BEACH, FLORIDA

PREPARED FOR
PAVILION HEALTH SERVICES INC.
841 PRUDENTIAL DRIVE STE 1802
JACKSONVILLE, FL 32207



LOCATION MAP
N.T.S.

ETM

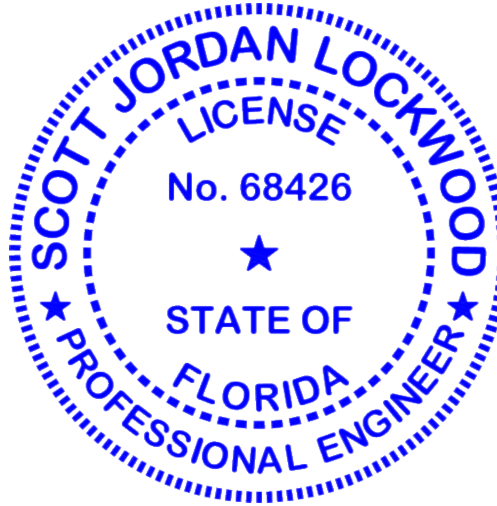
ENGLAND-THIMS & MILLER

Trusted
Advisors,
Creating
Community.

14775 Old St. Augustine Road
Jacksonville, FL 32258
(904) 642-8990
CA - 00002584 LC - 0000316

DRAWING INDEX			
PDF SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE	REVISION
1	1	COVER SHEET	7/24/2024
2	2	GENERAL NOTES AND LEGEND	7/24/2024
3	3	MASTER SITE PLAN	7/24/2024
4	4	AERIAL MAP	7/24/2024
5	5	SITE GEOMETRY PLAN	7/24/2024
6	6	PAVING AND DRAINAGE PLAN	7/24/2024
7-9	7A-7C	PAVING AND DRAINAGE DETAILS	7/24/2024
10	8	WATER AND SEWAGE PLAN	7/24/2024
11-16	9A-9F	WATER AND SEWAGE DETAILS	7/24/2024
17	10	SEDIMENT EROSION CONTROL PLAN	7/24/2024
18	11	SEDIMENT EROSION CONTROL DETAILS	7/24/2024
19	12	STORMWATER POLLUTION PREVENTION PLAN	7/24/2024
20	13	SWPPP CONTRACTOR CERTIFICATIONS	7/24/2024

NOTE:
IF YOU DIG IN FLORIDA, YOU ARE REQUIRED
TO CALL SUNSHINE STATE ONE-CALL OF
FLORIDA, INC. 1-800-432-4770 FOR
LOCATES. IT'S THE LAW.



Digital Signature
Scott Jordan Lockwood,
P.E.
2024.07.24 17:19:23 -
04'00'

VERTICAL DATUM USED FOR
THIS PROJECT: NGVD 1929

COVER SHEET
BAPTIST PRIMARY HEALTH LIME STREET
FOR
PAVILION HEALTH SERVICES INC.

DRAWING NUMBER
1

FOR AGENCY REVIEW ONLY

ETM NO. 17-252-37	REVISIONS:	PLANS PREPARED UNDER THE DIRECTION OF:
DRAWN BY: M. Farolan		
DESIGNED BY: S. Lockwood		
CHECKED BY: S. Lockwood		
DATE: APRIL 2024		

England-Thims & Miller, Inc.
14775 Old St. Augustine Road
Jacksonville, FL 32258
TEL: (904) 642-8990
FAX: (904) 642-9485
REG - 2584 LC - 0000316

ETM

VISION • EXPERIENCE • RESULTS

SCOTT JORDAN LOCKWOOD
P.E. NUMBER: 68426
PLOTTED: July 24, 2024 - 4:26 PM, BY: Mark Farolan

GENERAL SITE NOTES:

1. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL SAFETY RULES AND GUIDELINES OF O.S.H.A. SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES TO HIS EMPLOYEES, AND FOR ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT. ALL COSTS ASSOCIATED WITH COMPLYING WITH OSHA REGULATIONS AND THE FLORIDA TRENCH SAFETY ACT MUST BE INCLUDED IN THE CONTRACTORS BID.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING THE BID FOR THE PURPOSE OF FAMILIARIZING HIMSELF WITH THE NATURE AND THE EXTENT OF THE WORK AND LOCAL CONDITIONS, EITHER SURFACE OR SUB-SURFACE, WHICH MAY AFFECT THE WORK TO BE PERFORMED, AND THE EQUIPMENT, LABOR AND MATERIALS REQUIRED. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THE CONSTRUCTION CONTRACT. THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA (811) FOR UTILITY LOCATES IN ACCORDANCE WITH STATE LAW PRIOR TO EXCAVATING. THE CONTRACTOR IS ALSO URGED TO TAKE COLOR PHOTOGRAPHS ALONG THE ROUTE OF OR WITHIN THE PROJECT TO RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION, AND TO AID IN RESOLVING POSSIBLE FUTURE ISSUES THAT MAY OCCUR DUE TO THE CONSTRUCTION OF THE PROJECT.
3. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING STRUCTURES, IMPROVEMENTS, UTILITIES, PROPERTY LINES, AND CONFIRM ALL PROPOSED DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION OR ORDERING ANY MATERIALS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A PERMANENT STAND OF SOD AND/OR GRASS PER CITY OF FERNANDINA BEACH STANDARDS AND MEETING THE NPDES FINAL STABILIZATION REQUIREMENTS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EITHER CONDUCT ANY FIELD EXPLORATION OR ACQUIRE ANY GEOTECHNICAL ASSISTANCE REQUIRED TO ESTIMATE THE AMOUNT OF UNSUITABLE MATERIAL THAT WILL REQUIRE REMOVAL AND/OR TO ESTIMATE THE AMOUNT OF OFF SITE BORROW THAT WILL BE REQUIRED. FAILURE OF THE CONTRACTOR TO IDENTIFY/QUANTIFY THE AMOUNT OF UNSUITABLE MATERIAL TO BE REMOVED AND REPLACED DURING THE BID PROCESS WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THE CONSTRUCTION CONTRACT.
6. ALL MATERIALS AND WORKMANSHIP ARE TO BE WARRANTED BY THE CONTRACTOR TO THE OWNER AND THE CITY OF FERNANDINA BEACH FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER AND THE CITY OF FERNANDINA BEACH.
7. THE LOCATION OF ALL EXISTING UTILITIES, STRUCTURES AND IMPROVEMENTS SHOWN ON THE DRAWINGS IS BASED ON LIMITED INFORMATION AND MAY NOT HAVE BEEN FIELD VERIFIED. THE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY RESPECTIVE UTILITY OWNERS AND FIELD VERIFY LOCATION OF EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO COMMENCING ANY CONSTRUCTION. IF THE LOCATIONS SHOWN ARE CONTRARY TO THE ACTUAL LOCATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF THE DISCREPANCY. THIS DISCREPANCY SHOULD BE RESOLVED PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN AREAS NEAR EXISTING UTILITIES AND IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR AND SHALL REPAIR OR PAY FOR ALL DAMAGE MADE TO EXISTING UTILITIES OR OTHER IMPROVEMENTS. PRIOR TO COMMENCING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL GRADES, INVERTS AND TYPE OF MATERIAL OF EXISTING UTILITIES TO WHICH HE SHALL CONNECT, AND NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES.
8. UNLESS DIRECTED OTHERWISE BY THE OWNER OR THE ENGINEER, THE CONTRACTOR WILL CONTRACT WITH AN INDEPENDENT TESTING LABORATORY TO PERFORM MATERIAL TESTING AND SOIL TESTING IN ACCORDANCE WITH CITY REQUIREMENTS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE REQUIRED FOR THE PROJECT INCLUDING CITY OF FERNANDINA BEACH RIGHT-OF-WAY PERMITS FOR WORK IN THE CITY RIGHT-OF-WAY OR EASEMENT. CONTRACTOR IS RESPONSIBLE FOR CONTROL OF SEDIMENTATION AND RUNOFF RESULTING FROM RAINFALL EVENTS DURING THE CONSTRUCTION OF THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH REGULATORY PERMITS ISSUED FOR THE PROJECT.
10. THE CONTRACTOR SHALL COORDINATE THE WORK WITHIN CITY OR STATE RIGHT-OF-WAY WITH THE APPROPRIATE AGENCIES FOR MAINTENANCE OF TRAFFIC AND METHOD OF CONSTRUCTION & REPAIR.
11. IF DEWATERING CAPACITY REQUIRES A CONSUMPTIVE USE PERMIT (C.U.P.) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE PERMIT THROUGH THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND THE ENGINEER FOR APPROVAL OF ALL DEWATERING OPERATIONS PRIOR TO COMMENCEMENT.
12. PRIOR TO ANY DISCHARGE OF GROUND WATER (DEWATERING) FROM CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT TO WATERS OF THE STATE (INCLUDING, BUT NOT LIMITED TO, WETLANDS, SWALES AND MUNICIPAL STORM SEWERS), THE CONTRACTOR SHALL TEST THE EFFLUENT (WATER TO BE DISCHARGED) IN ACCORDANCE WITH RULE 62-621.300(2), F.A.C. IF THE TEST RESULTS ON THE EFFLUENT ARE BELOW THE SCREENING VALUES OF RULE 62-621.300(2), F.A.C., THE CONTRACTOR SHALL SUBMIT A SUMMARY OF THE PROPOSED CONSTRUCTION ACTIVITY AND THE TEST RESULTS TO THE DEPARTMENT OF ENVIRONMENTAL PROTECTION DISTRICT OFFICE, WITHIN ONE (1) WEEK AFTER DISCHARGE BEGINS. THE CONTRACTOR SHALL CONTINUE TO SAMPLE THE EFFLUENT AS REQUIRED THROUGHOUT THE PROJECT AND COMPLY WITH ALL CONDITIONS OF RULE 62-621.300(2), F.A.C. IF THE GROUND WATER EXCEEDS THE SCREENING VALUES OF RULE 62-621.300(2), F.A.C., THE CONTRACTOR SHALL COMPLY WITH OTHER APPLICABLE RULES AND REGULATIONS PRIOR TO DISCHARGE OF THE EFFLUENT (GROUND WATER) TO SURFACE WATERS OF THE STATE.

GENERAL SITE NOTES:

12. ALL AREAS SHOWN TO BE FILLED SHALL BE CLEARED AND GRUBBED IN ACCORDANCE WITH CITY OF FERNANDINA BEACH STANDARDS AND SHALL BE FILLED WITH CLEAN STRUCTURAL FILL COMPACTED AND TESTED IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION REPORT.
13. CLEARING AND GRUBBING REQUIRED FOR ALL ROADWAY, UTILITIES, DITCHES, BERMS, RIGHTS-OF-WAYS AND EASEMENTS (INCLUDING ELECTRIC EASEMENTS) ARE INCLUDED IN THIS PROJECT.
15. ALL ACCESS EASEMENTS ARE TO BE STABILIZED AND DRIVABLE.
16. ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE DISPOSED OF OFF-SITE BY CONTRACTOR.
17. BURNING OF TREES, BRUSH AND OTHER MATERIAL SHALL BE APPROVED, PERMITTED AND COORDINATED WITH CITY OF FERNANDINA BEACH FIRE MARSHAL AND ALL OTHER PERMITTING AUTHORITIES BY THE CONTRACTOR.
18. UNSUITABLE MATERIALS UNDER UTILITY OR STORM PIPE, STRUCTURES, PAVEMENT, BUILDING PADS, OR HARDSCAPE ELEMENTS SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL, PROPERLY COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
19. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS. IF A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL CONTRACT WITH THE SURVEYOR OF RECORD FOR REINSTALLATION OF THE MONUMENT.
20. ALL UNDERGROUND UTILITIES TO BE INSTALLED UNDER PAVEMENT MUST BE INSTALLED PRIOR TO PREPARATION OF SUBGRADE FOR PAVEMENT.
21. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION WITH ALL OTHER CONTRACTORS. IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
22. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL MATERIALS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PURCHASE OR CONSTRUCTION OF ANY UTILITY OR STORM PIPE OR STRUCTURE.
23. AUGER BORINGS PROVIDED BY ECS FLORIDA, LLC ECS FLORIDA, LLC, DATED: 12-20-21.
24. FLOOD ZONE BASED UPON FEMA INSURANCE RATE MAPS PANEL NOS. MAP NO. 12089C0239G, DATED: 6-2-2017.
25. FOR SEDIMENT AND EROSION CONTROL PLANS, DETAILS AND NOTES REFER TO DRAWINGS 10 -13. CONTRACTOR TO COORDINATE WITH AUTHORITY FOR INSPECTIONS PRIOR TO CLEARING OPERATIONS.
26. ELEVATIONS ARE BASED ON NGVD 1929.
27. TOPOGRAPHIC INFORMATION BASED ON SURVEY PROVIDED BY MRE OF JAX ENTERPRISES, LLC, JOB NO. 21-69 DATED: 11-30-21.
28. BOUNDARY INFORMATION BASED ON SURVEY PROVIDED BY MRE OF JAX ENTERPRISES, LLC, JOB NO. 21-69 DATED: 11-30-21.
29. S.U.E. (SUBSURFACE UTILITY ENGINEERING) PROVIDED BY ETM SURVEYING AND MAPPING, DATED: 6-13-24.
30. ALL WORK AND MATERIALS SHALL BE IN COMPLETE ACCORDANCE WITH ALL RELATIVE SECTIONS OF "CITY STANDARD SPECIFICATIONS FOR CITY OF FERNANDINA BEACH, FLORIDA", (LATEST REVISION) AND ALL CURRENT CITY STANDARD DETAILS. THE WORK SHALL ALSO BE PERFORMED AND TESTED IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL INVESTIGATION REPORT PROVIDED BY ECS FLORIDA, LLC, DATED: 12-20-21, IF MORE STRINGENT THAN CITY REQUIREMENTS.
31. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE CIVIL ENGINEER TO DETERMINE IF THIS PROJECT IS WITHIN THE CITY'S JURISDICTION FOR INSPECTION. IF SO THEN, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE CITY FOR PRE-CONSTRUCTION MEETING AND INSPECTIONS.
32. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THE EXISTING SOIL IN ALL LANDSCAPE AREAS FROM CONTAMINATION, INCLUDING BUT NOT LIMITED TO BASE MATERIALS SUCH AS LIMEROCK, CRUSHCORETE AND SHALL NOT BURY OR MIX BASE MATERIAL INTO SOILS USED FOR LANDSCAPE AREAS. LANDSCAPE AREAS INCLUDE ALL AREAS WITHIN THE LIMITS OF WORK THAT ARE SHOWN ON THE APPROVED LANDSCAPE PLANS TO BE COVERED BY PRESERVED VEGETATION, TURF, PLANT BEDS, MULCHED AREAS, AND TREES. CONTRACTOR SHALL PAY SPECIAL ATTENTION TO CLEAN-UP OF THE LANDSCAPED AREAS OF THE SITE THAT ARE ADJACENT TO ASPHALT PAVEMENT AND WHERE THE BASE MATERIAL IS STORED.
33. CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIAL WITHIN 24' OF THE FINAL SURFACE FROM THE LANDSCAPE AREAS, IMMEDIATELY AFTER THE PLACEMENT OF THE BASE MATERIALS (LIMEROCK / CRUSHCORETE, ETC.). CONTRACTOR SHALL ALSO ENSURE THAT ALL SOIL THAT IS CONTAMINATED WITH BASE MATERIALS, WASTE, CONSTRUCTION DEBRIS, FUEL OR OTHER HAZARDOUS MATERIALS IS REMOVED FROM THE SITE AND PROPERLY DISPOSED OF PROPERLY IN ACCORDANCE WITH STATE, LOCAL AND FEDERAL LAWS. CONTRACTOR SHALL REMOVE ALL CONTAMINATED SOIL AND REPLACE WITH TOP SOIL.
34. CONTRACTOR SHALL NOT INSTALL THE TOP LAYER OF SOIL OR FINISH GRADING LANDSCAPE AREAS UNTIL THESE AREAS HAVE BEEN REVIEWED BY THE PROJECT ENGINEER.
35. PROJECT LOCATION: FERNANDINA BEACH, FLORIDA.
36. THESE PLANS WERE GENERATED UTILIZING AUTOCAD CIVIL 3D 2022.
37. THESE PLANS ARE PREPARED IN GENERAL COMPLIANCE WITH THE NASSAU COUNTY LAND DEVELOPMENT PROCEDURES MANUAL, DATED APRIL 2023.

PAVING AND DRAINAGE NOTES:

1. ALL DRAINAGE STRUCTURES TO HAVE TRAFFIC BEARING GRATES.
2. ALL DRAINAGE PIPE JOINTS ARE TO BE FILTER FABRIC WRAPPED.
3. ALL INVERTS IN DRAINAGE STRUCTURES TO BE PRECAST OR BRICK WITH LAYER OF MORTAR BETWEEN EACH LAYER OF BRICK, OR REDDI-MIX CONCRETE WITH #57 STONE.
4. ALL PIPE LENGTHS ARE SCALED DIMENSIONS. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED TO CONFORM WITH CITY REQUIREMENTS AND SHALL BE CONSTRUCTED TO CONFORM WITH CURBING, PROPERTY LINES AND LOW POINTS AS SHOWN ON THE PLANS.
5. CONTRACTOR SHALL ENSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEAN AND FUNCTIONING PROPERLY AT TIME OF ACCEPTANCE.
6. "AS-BUILT" DRAWINGS - DRAINAGE AS-BUILTS PROVIDED TO CITY OF FERNANDINA BEACH AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT ARE REQUIRED TO BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR. THEREFORE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROCESS THE AS-BUILT DRAWINGS FOR APPROVAL BY THE CITY OF FERNANDINA BEACH. IN ADDITION TO THE DRAINAGE SYSTEM THE "AS-BUILTS" SHALL SHOW THE ELEVATIONS AND LOCATION OF THE TOP OF BANK, WATER LEVEL, ANY POINTS OF CHANGE IN SLOPE, TOE OF SLOPE AND POND BOTTOM AT 100' MAXIMUM INTERVALS ALONG POND BANK FOR ALL POND CONSTRUCTION. ALL DIMENSIONS AND ELEVATIONS ON THE CONTROL STRUCTURE DETAILS SHALL BE SHOWN ON AS-BUILT DRAWINGS. ALL DEVIATIONS FROM PLANS SHALL BE CLEARLY INDICATED ON THE AS-BUILT DRAWINGS.
7. THE CONTRACTOR SHALL PROVIDE ACCESSIBLE CURB RAMPS AT ALL SIDEWALK AND CURB CONNECTIONS. RAMPS SHALL MEET ALL APPLICABLE ADA REQUIREMENTS.
8. FOR SPECIAL PAVING AND DRAINAGE DETAILS SEE DRAWING NO. 7A -7C. FOR ALL STANDARD DETAILS SEE CITY OF FERNANDINA BEACH STANDARD SPECIFICATIONS AND DETAILS, LATEST REVISION.
9. UNDERDRAIN SHOWN HEREON IS THE MINIMUM REQUIRED BASED ON GEOTECHNICAL REPORT, PREPARED BY ECS FLORIDA, LLC, DATED: 12-20-21. FINAL DETERMINATION OF LIMITS OF UNDERDRAIN WILL BE MADE BASED ON TEST HOLE OBSERVATION AT TIME OF ROADWAY CONSTRUCTION.
10. ALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING SILT FENCE, COIR BALES, AND FILTER FABRIC INSIDE DRAINAGE STRUCTURES SHALL BE REMOVED PRIOR TO FINAL INSPECTION, UNLESS OTHERWISE DIRECTED BY THE OWNER OR THE ENGINEER.
11. PAVEMENT MARKINGS SHOULD BE PLACED AS SHOWN ON THE PLANS AND DETAIL SHEETS.
12. ANY REQUIRED TEMPORARY MARKINGS MUST BE IN PLACE BEFORE OPENING LANES OF TRAFFIC. PAY ITEMS FOR TEMPORARY PAVEMENT MARKINGS ARE TO BE INCLUDED IN THE TABULATION OF QUANTITIES.
13. THE REMOVAL OF EXISTING PAVEMENT MARKINGS WILL BE CONSIDERED AN INCIDENTAL ITEM WITH NO ADDITIONAL COMPENSATION PROVIDED.
14. ALL PERMANENT PAVEMENT MARKINGS IN RIGHT-OF-WAY SHALL BE EXTRUDED THERMOPLASTIC AND MEET CURRENT CITY OF FERNANDINA BEACH SPECIFICATIONS AND/OR FDOT STANDARD SPECIFICATIONS, LATEST EDITION.
15. THERMOPLASTIC PAVEMENT MARKINGS ARE TO BE PLACED NO SOONER THAN 30 CALENDAR DAYS AFTER THE COMPLETION OF THE FINAL PAVEMENT LAYER.
16. A BITUMINOUS REFLECTIVE PAVEMENT MARKER (RPM) ADHESIVE MEETING CURRENT CITY OF FERNANDINA BEACH AND/OR FDOT SPECIFICATIONS SHALL BE USED ON ASPHALT ROADWAYS.
17. THE CONTRACTOR SHALL USE CLASS-B REFLECTIVE PAVEMENT MARKERS (RPM'S) INSTALLED TO MEET CURRENT CITY OF FERNANDINA BEACH SPECIFICATIONS AND/OR FDOT STANDARD SPECIFICATIONS.
18. REFLECTIVE PAVEMENT MARKERS THAT DO NOT CONFLICT WITH PERMANENT (THERMOPLASTIC) MARKINGS SHALL BE PLACED ON ALL FINAL ASPHALTIC CONCRETE SURFACES IMMEDIATELY AFTER THE TEMPORARY PERMANENT STRIPING IS IN PLACE.
19. PAVEMENT MARKINGS REMOVAL:
- 19.a. PAINT BLACKOUT METHOD OF PAVEMENT MARKINGS REMOVAL IS NOT ACCEPTED.
- 19.b. GRINDING OR HYDRO BLAST METHODS SHALL BE USED ON WEATHERED ASPHALT SURFACES.
- 19.c. REMOVAL ON NEW ASPHALT SURFACES SHALL BE BY HYDRO BLAST METHOD ONLY.
20. 48 HOURS PRIOR TO INSTALLING ANY PAVEMENT MARKINGS WITH CITY RIGHTS OF WAYS, CONTRACTOR SHALL COORDINATE WITH THE CITY OF FERNANDINA BEACH ROADWAY INSPECTOR.
21. IN EVENT OF A CONFLICT BETWEEN SPECIFICATIONS OF THE CITY OF FERNANDINA BEACH AND SPECIFICATIONS OF THE FDOT, THE CITY OF FERNANDINA BEACH WILL PREVAIL.

WATER, REUSE, & SEWER REQUIREMENTS

1. ALL WATER, REUSE WATER, SANITARY SEWER AND STORM SEWER CONSTRUCTION SHALL BE ACCOMPISHED BY AN UNDERGROUND UTILITY CONTRACTOR, LICENSED UNDER THE PROVISIONS OF CHAPTER 489 FLORIDA STATUTES. THE CONTRACTOR SHALL FURNISH A COPY OF THE CURRENT LICENSE AND QUALIFIERS TO THE DESIGN ENGINEER PRIOR TO START OF CONSTRUCTION. ALL WATER, REUSE WATER AND SEWER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF FERNANDINA BEACH UTILITIES STANDARDS, DETAILS AND MATERIALS MANUAL (LATEST REVISIONS) UNLESS MORE STRINGENT STANDARDS ARE SPECIFIED.
2. FIRE PROTECTION MAINS (NON-CITY OF FERNANDINA BEACH UTILITIES OWNED WATER SYSTEMS) SHALL BE C-900 PVC D18 PIPE AND SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH NFPA REQUIREMENTS BY A FLORIDA LICENSED CONTRACTOR QUALIFIED TO INSTALL FIRE PROTECTION MAINS. LOCAL PERMITTING AND INSPECTION OF FIRE PROTECTION SYSTEM INSTALLATION, FLUSHING AND TESTING IS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR LOCAL PERMIT, NOTICE, AND COMPLIANCE WITH PERMIT.
3. FINAL CONNECTION TO THE CITY OF FERNANDINA BEACH UTILITIES SYSTEM MAY BE CONTINGENT UPON THE CONSTRUCTION, DEDICATION, AND FINAL ACCEPTANCE OF OFF-SITE SYSTEMS.
4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER (AND THE CITY OF FERNANDINA BEACH UTILITIES IF REQUIRED) ON ALL STRUCTURES AND MATERIALS, FOR REVIEW AND APPROVAL PRIOR TO PURCHASE OR FABRICATION OF ANY UTILITY PIPE OR STRUCTURE.
5. UNSUITABLE MATERIALS UNDER UTILITY PIPES AND STRUCTURES SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL, PROPERLY COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
6. MECHANICALLY RESTRAINED JOINTS ARE REQUIRED ON PRESSURE MAINS AT VALVES, FITTINGS AND DEAD ENDS IN ACCORDANCE WITH CITY OF FERNANDINA BEACH UTILITIES STANDARDS.
7. CONTRACTOR SHALL FURNISH AND INSTALL LOCATE WIRING ON ALL PVC WATER MAINS, REUSE MAINS, FORCE MAINS, POLYETHYLENE AND PVC WATER SERVICES. INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF FERNANDINA BEACH UTILITIES STANDARDS, DETAILS AND MATERIAL MANUAL, LATEST EDITION.
8. ALL POINTS OF CONNECTION FOR WATER, REUSE WATER AND SEWER MUST BE IN ACCORDANCE WITH THE AVAILABILITY RESPONSE FROM CITY OF FERNANDINA BEACH UTILITIES.
9. F.D.E.P. PERMITS SUBMITTED THROUGH THE DEPARTMENT FOR PROCESSING SHALL BE IN CONFORMANCE WITH BOTH THE DESIGN PLANS AND THE WATER AND SEWER AVAILABILITY RESPONSE. ANY MINOR OR MAJOR DEVIATIONS BETWEEN THE PRELIMINARY DESIGN AND FINAL DESIGN SUBMITTAL SHALL REQUIRE REVISED F.D.E.P. PERMITS REFLECTING THESE CHANGES.
10. A CITY OF FERNANDINA BEACH UTILITIES PRE-CONSTRUCTION CONFERENCE MUST BE HELD PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL SCHEDULE THIS CONFERENCE.
11. PRIOR TO UTILITIES CONNECTING A TAP APPLICATION FEE IS REQUIRED AND SHALL BE PAID TO THE CITY OF FERNANDINA BEACH UTILITIES' SYSTEM (WATER, SEWER, REUSE). IN ADDITION, CAPACITY FEES MUST BE PAID AT TIME OF OR PRIOR TO THE TAP FEE AND WILL BE BASED ON THE TOTAL NUMBER OF FIXTURE UNITS AND OR AVERAGE DAILY FLOWS.
12. THE CONTRACTOR SHALL MINIMIZE SERVICE INTERRUPTIONS AND MAINTAIN ANY EXISTING WATER AND SEWER SERVICE TO MEET THE SYSTEM DEMANDS AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF AFFECTED CUSTOMERS AND UTILITY A MINIMUM OF 48 HOURS IN ADVANCE OF ANY INTERRUPTION OF SERVICE.
13. CONTRACTOR SHALL OBTAIN A COPY OF THE F.D.E.P. OR CITY OF FERNANDINA BEACH UTILITIES WATER AND SEWER PERMITS FROM THE ENGINEER PRIOR TO START OF CONSTRUCTION AND MUST COMPLY WITH ALL CONDITIONS OF PERMIT(S).
14. ALL CITY OF FERNANDINA BEACH UTILITIES ELECTRICAL CONDUIT WORK SHALL BE COMPLETED PRIOR TO THE PRESSURE TESTING OF WATER MAINS, REUSE MAINS AND SEWAGE FORCE MAINS. ALL PRESSURE TESTING AND PUMP TESTING SHALL BE WITNESSED BY CITY OF FERNANDINA BEACH UTILITIES AND THE ENGINEER.
- WATER AND REUSE MAINS
15. UNLESS OTHERWISE INDICATED, ALL 4" AND LARGER WATER MAINS AND REUSE MAINS WILL BE PVC D18, C-900/C-905 (AS APPROPRIATE) PIPE. ALL 2" MAINS SHALL BE HDPE CTS SDR 9.
16. WATER MAINS AND REUSE MAINS SHALL HAVE A MINIMUM OF 30" COVER UNDER UNPAVED AREAS AND 36" MINIMUM COVER FROM FINISHED GRADE UNDER PAVED AREAS UNLESS OTHERWISE SHOWN. ADDITIONAL COVER IS REQUIRED FOR VALVE INSTALLATION CLEARANCE FOR PIPE GREATER THAN 8 INCHES IN DIAMETER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT INSTALLED PIPING UNTIL FINAL ACCEPTANCE BY F.D.E.P. AND CITY OF FERNANDINA BEACH UTILITIES.
17. ALL WATER MAINS AND REUSE MAINS SHALL BE FLUSHED IN ACCORDANCE WITH, AND UNDER THE DIRECTION OF THE CITY OF FERNANDINA BEACH UTILITIES.
18. HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER MAINS AND REUSE MAINS AND HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER MAINS AND REUSE MAINS TO OTHER UTILITIES SHALL BE IN ACCORDANCE WITH CITY OF FERNANDINA BEACH UTILITIES AND F.D.E.P. REQUIREMENTS.
19. ALL GATE VALVES SHALL BE CITY OF FERNANDINA BEACH UTILITIES STANDARD. VALVES SHALL BE MECHANICAL JOINT, CAST IRON, BRONZE FITTED WITH RESILIENT SEAT. ALL VALVES SHALL OPEN BY TURNING TO THE LEFT. VALVES SHALL BE RATED AT 250 PSI WORKING PRESSURE AND 500 PSI TEST PRESSURE.
20. ALL NEW AND / OR RELOCATED WATER MAIN AND REUSE MAIN PIPE AND FITTINGS SHALL NOT CONTAIN MORE THAN EIGHT PERCENT LEAD, AND ALL PACKING AND JOINT MATERIALS USED IN THE JOINTS SHALL CONFORM WITH ALL APPLICABLE AWWA STANDARDS. ALL NEW AND / OR RELOCATED SERVICES AND PLUMBING SHALL CONTAIN NO MORE THAN EIGHT PERCENT LEAD AND ALL SOLDER AND FLUX SHALL CONTAIN NO MORE THAN 0.2 PERCENT LEAD.

WATER, REUSE, & SEWER REQUIREMENTS

21. ALL FIRE HYDRANTS SHALL BE IN LINE WITH CITY OF FERNANDINA BEACH UTILITIES' STANDARDS. FIRE HYDRANTS LOCATED WITHIN CITY OF FERNANDINA BEACH UTILITIES RIGHT OF WAYS OR EASEMENTS SHALL BE PAINTED YELLOW. ALL PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED, OR IN ACCORDANCE WITH LOCAL REQUIREMENTS.
22. ALL FIRE HYDRANTS THAT ARE SUPPLIED BY A FIRE PUMP AND SUBJECT TO HIGH PRESSURE (IN EXCESS OF 60 P.S.I.) SHALL BE PAINTED GREEN WITH RED LETTERS "H.P." APPROXIMATELY 2" HIGH. THESE LETTERS SHALL BE STENCILED ON THE HYDRANT IN A CONSPICUOUS/ VISIBLE AREA.
23. ALL NEW FIRE HYDRANT INSTALLATIONS, PUBLIC AND PRIVATE, SHALL HAVE A BLUE F.D.O.T. TYPE REFLECTIVE PAVEMENT MARKER INSTALLED IN THE CENTER OF THE TRAFFIC LANE NEAREST THE NEW FIRE HYDRANT.
24. ALL WATER MAINS SHALL BE BACTERIOLOGICAL AND PRESSURE TESTED AT 150 PSI FOR 2 HOURS IN ACCORDANCE WITH AWWA STANDARDS AND CITY OF FERNANDINA BEACH UTILITIES STANDARD REQUIREMENTS. NO CONNECTION TO THE EXISTING POTABLE WATER SYSTEM SHALL BE ALLOWED UNTIL ALL PROPOSED WATER LINES HAVE BEEN PRESSURE TESTED, DISINFECTED, AND CLEARED FOR SERVICE. THE ENGINEER MUST BE NOTIFIED 48 HOURS PRIOR TO PERFORMING THE PRESSURE TEST. DISINFECTION SHALL BE IN ACCORDANCE WITH AWWA-C-651. REUSE MAINS REQUIRE PRESSURE TEST ONLY.
25. ALL BACKFLOW PREVENTORS SHALL BE IN ACCORDANCE WITH CITY OF FERNANDINA BEACH UTILITIES CROSS CONNECTION CONTROL PROGRAM. BACKFLOW PREVENTORS MUST BE TESTED AFTER INSTALLATION BY A CERTIFIED TESTER AND ANNUALLY THEREAFTER. THE CONTRACTOR SHALL CONTACT CITY OF FERNANDINA BEACH UTILITIES COORDINATOR OR CITY OF FERNANDINA BEACH UTILITIES DESIGNEE. BACKFLOW PREVENTORS ON FIRE LINES OR COMBINATION FIRE/POTABLE MAINS SHALL BE HAVE FREEZE PROTECTION.
26. THE WATER TAPS DEPICTED ON THESE DESIGN PLANS SHALL BE CONSTRUCTED AS FOLLOWS: ALL POTABLE, REUSE, AND IRRIGATION WATER TAPS, FIRE LINE SERVICES AND FIRE HYDRANT INSTALLATIONS SHALL BE PERFORMED BY A LICENSED MASTER PLUMBER OR UNDERGROUND UTILITY CONTRACTOR UNDER THE FOLLOWING CONDITIONS:
- 1.) THE TAPS ARE TO BE SCHEDULED 48 HOURS IN ADVANCE WITH CITY OF FERNANDINA BEACH UTILITIES.
- 2.) TAPS REQUIRING METER INSTALLATIONS OF SIZE 2" AND BELOW MUST INCLUDE THE SERVICE PIPE, METER BOX, AND CORP. STOP SIZED READY TO ACCEPT THE METER INSTALLATION BY CITY OF FERNANDINA BEACH UTILITIES FORCES.
- 3.) CITY OF FERNANDINA BEACH UTILITIES FORCES WILL INSTALL THE METER UPON APPLICATION AND PAYMENT BY LICENSED MASTER PLUMBER OR UTILITY CONTRACTOR AT CITY OF FERNANDINA BEACH UTILITIES WATER AND SEWER.
- 4.) ALL TAPS REQUIRING METER INSTALLATIONS OF SIZE 3" AND ABOVE SHALL TERMINATE SIZED READY FOR VAULT, METER AND BYPASS INSTALLATION. VAULT FURNISHED BY CONTRACTOR. INSTALLATION BY CITY OF FERNANDINA BEACH UTILITIES FORCES. SPECIAL ESTIMATE REQUIRED.
27. WATER METERS SHALL NOT BE LOCATED WITHIN PAVEMENT, CURB AND GUTTER OR DRIVEWAYS.
28. IF SOLVENT CONTAMINATION IS FOUND IN THE PIPE TRENCH, WORK SHALL BE STOPPED AND THE PROPER AUTHORITIES NOTIFIED. WITH APPROVAL OF THE PERMITTING AGENCY, DUCTILE IRON PIPE, FITTINGS AND SOLVENT RESISTANT GASKET MATERIAL SUCH AS FLUOROCARBON SHALL BE USED IN THE CONTAMINATED AREA. THE DUCTILE PIPE SHALL EXTEND AT LEAST 100 FEET BEYOND ANY SOLVENT NOTED. ANY CONTAMINATED SOIL THAT IS EXCAVATED SHALL BE PLACED ON AN IMPERMEABLE MAT AND COVERED WITH A WATERPROOF COVERING. THE PROPER AUTHORITIES WILL BE NOTIFIED AND THE CONTAMINATED SOIL HELD FOR PROPER DISPOSAL.
- SEWER
29. ALL SEWER MAINS, SERVICES, AND FITTINGS SHALL BE PVC (ASTM-3034) SDR 26 UNLESS OTHERWISE INDICATED. FORCE MAINS SHALL BE PVC DR 18 PIPE UNLESS OTHERWISE INDICATED. FORCE MAINS SHALL BE PRESSURE TESTED THE SAME AS WATER AND REUSE MAINS.
30. SANITARY SEWER SERVICES SHALL BE 6" PVC WITH A MINIMUM SLOPE OF 1.04% AND SHALL BE TERMINATED AT THE RIGHT-OF-WAY LINE WITH A DEPTH OF 30" TO 60" UNLESS OTHERWISE DETAILED OR RESTRICTED DUE TO DEPTH OF SEWER MAIN. FORCE MAINS SHALL HAVE A MINIMUM COVER OF 30 INCHES IN UNPAVED AREAS AND 36 INCHES IN PAVED AREAS UNLESS OTHERWISE INDICATED. SEE FORCE MAIN PROFILE SHEET(S).
31. SEWER LINES AND FORCE MAINS ARE DESIGNED TO FINISHED GRADES AND SHALL BE PROTECTED UNTIL WORK IS COMPLETED AND ACCEPTED BY F.D.E.P. AND CITY OF FERNANDINA BEACH UTILITIES.
32. PRIOR TO THE PLACEMENT OF THE LIMEROCK BASE COURSE, THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER A SCHEDULE OF INVERT ELEVATIONS OF ALL SANITARY MANHOLES. THIS SCHEDULE SHALL BE PROVIDED BY THE REGISTERED LAND SURVEYOR SUBMITTING THE "AS-BUILT" DRAWINGS FOR THIS PROJECT.
33. THE CONTRACTOR SHALL INSTALL ANY ADDITIONAL AIR RELEASE VALVES AT CHANGES IN ELEVATION OF 2 FT. DUE TO ACTUAL FIELD CONDITIONS OR CONFLICTS NOT IDENTIFIED ON THESE DESIGN PLANS.
34. TELEVISION INSPECTION SHALL BE REQUIRED ON ALL GRAVITY SEWER MAINS. INSPECTION SHALL BE RECORDED ON VIDEO TAPE OR DVD. ALL LINES ARE TO BE CLEANED AND FLUSHED PRIOR TO INSPECTION. A FULL WRITTEN REPORT AS TO THE CONDITION OF THE PIPE WITH PERTINENT DATA SUCH AS DISTANCE BETWEEN MANHOLES, LOCATION OF SERVICES, ETC. SHALL BE SUBMITTED TO THE OWNER AND ENGINEER PRIOR TO ACCEPTANCE AND ONE COPY OF INSPECTION SHALL BE SUBMITTED TO THE CITY OF FERNANDINA BEACH UTILITIES. ALL DEFECTIVE AREAS AND ITEMS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL ACCEPTANCE. ALL REPAIRED SECTIONS MUST BE REINSPECTED PRIOR TO ACCEPTANCE. THE MAXIMUM DEFLECTION SHALL NOT EXCEED 7.5% OF THE NOMINAL DIAMETER IN ACCORDANCE WITH CITY OF FERNANDINA BEACH UTILITIES STANDARDS. INFILTRATION AND/OR EXFILTRATION TESTING OF GRAVITY SEWERS MAY BE REQUIRED IF DEEMED NECESSARY BY THE ENGINEER. THE MAXIMUM ALLOWABLE INFILTRATION-EXFILTRATION RATE WILL BE 50 GALLONS PER INCH DIAMETER PER MILE PER DAY.

PAVING AND DRAINAGE LEGEND

EXISTING	PROPOSED

SPOT ELEVATION
CONTOURS
BOUNDARY
DRAINAGE DIVIDE
STORM SEWER AND SIZE
STORM SEWER INLET
STORM SEWER MANHOLE
MITERED END SECTION
DRAINAGE FLOW ARROWS

EXISTING	PROPOSED

DITCH FLOW ARROWS
STRUCTURE NUMBERS
DRAINAGE AREA
SOIL BORING LOCATION
UNDERDRAIN
CONCRETE SIDEWALK
CONCRETE CURB AND GUTTER
JURISDICTIONAL WETLANDS
SILT FENCE
HAY BALES

WATER AND SEWER LEGEND

EXISTING	PROPOSED

SANITARY SEWER LINE
SANITARY SEWER SERVICE
SANITARY SEWER MANHOLE
CLEANOUT
FORCE MAIN
WATER MAIN
REUSE WATER MAIN
FIRE PROTECTION MAIN

EXISTING	PROPOSED

FIRE HYDRANT
FLUSHING HYDRANT
GATE VALVE
REDUCER
TEE
BEND
WATER METER
BACKFLOW PREVENTER

GENERAL NOTES AND LEGEND
BAPTIST PRIMARY HEALTH LIME STREET
FOR
PAVILION HEALTH SERVICES INC.

DRAWING NUMBER
2

REVISIONS:

ETM NO. 17-252-37

DRAWN BY: M. Forlan

DESIGNED BY: S. Lockwood

CHECKED BY: S. Lockwood

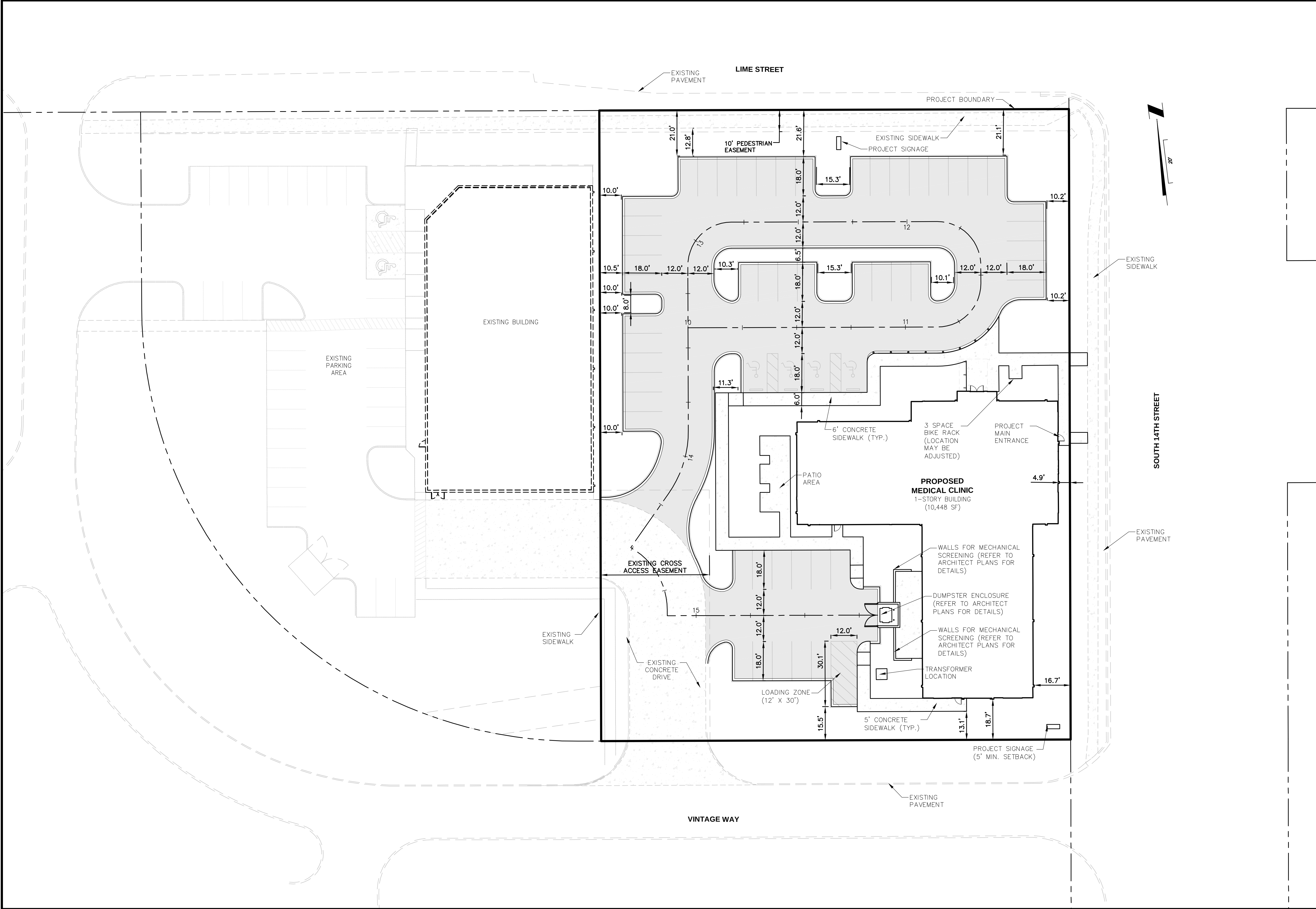
DATE: APRIL 2024

England-Thins & Miller, Inc.
14775 Old St. Augustine Road
Jacksonville, FL 32258
TEL: (904) 646-8890
FAX: (904) 646-9485
REC - 7894 LC - 0000316

VISION • EXPERIENCE • RESULTS

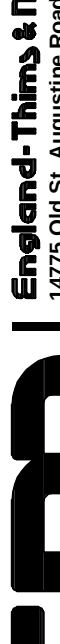
PLANS PREPARED UNDER THE
DIRECTION OF:

SCOTT JORDAN LOCKWOOD
P.E. NUMBER: 68426

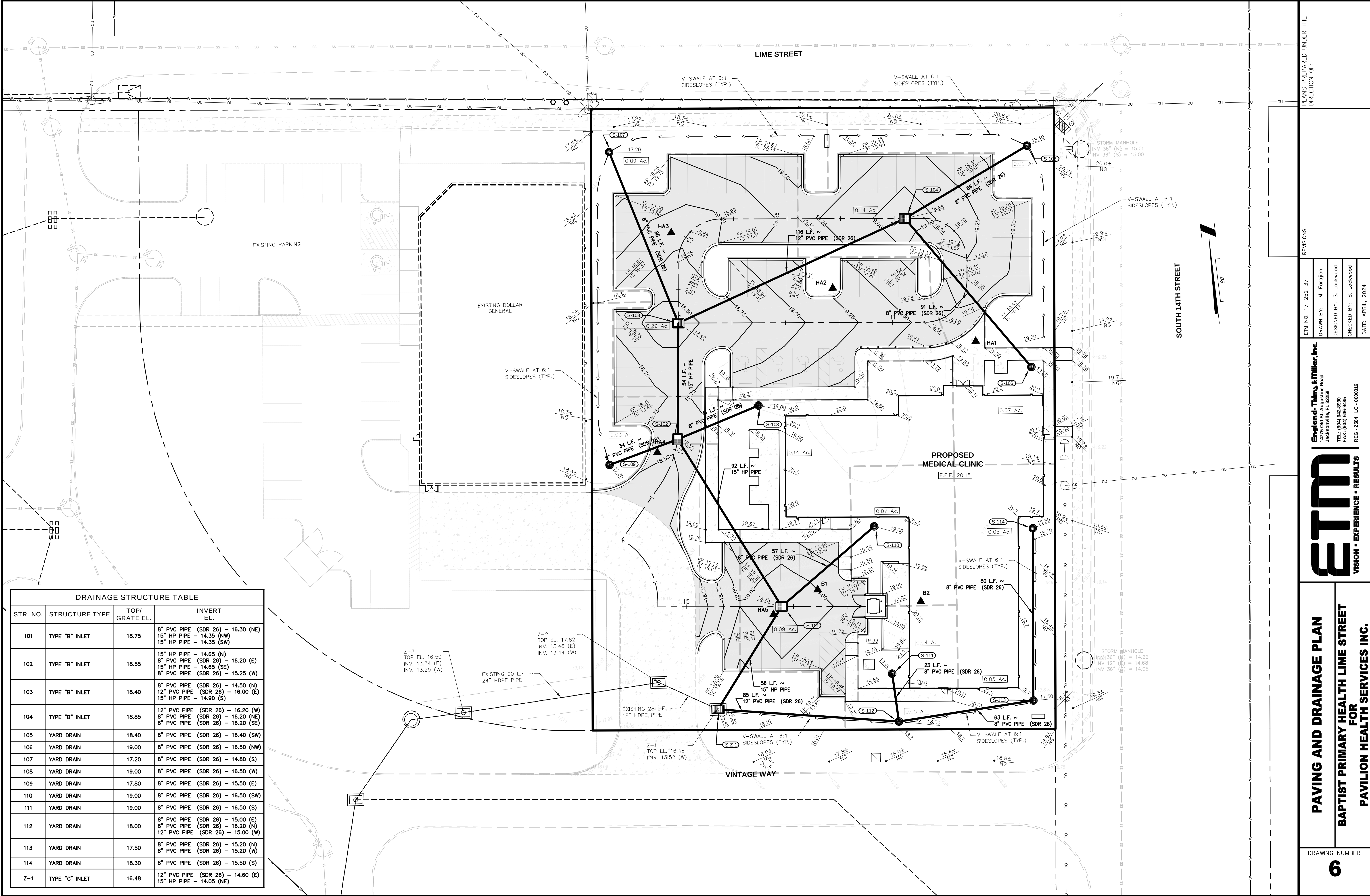


DRAWING NUMBER 3		MASTER SITE PLAN BAPTIST PRIMARY HEALTH LIME STREET FOR PAVILION HEALTH SERVICES INC.		ETM VISION • EXPERIENCE • RESULTS		England • Thins & Miller, Inc. 14775 Old St. Augustine Road Jacksonville, FL 32258 TEL: (904) 645-8890 FAX: (904) 646-9485 REG. #284 LC - 0000316		ETM NO. 17-252-37 DRAWN BY: M. Farolan DESIGNED BY: S. Lockwood CHECKED BY: S. Lockwood DATE: APRIL, 2024		REVISIONS:		PLANS PREPARED UNDER THE DIRECTION OF: SCOTT JORDAN LOCKWOOD P.E. NUMBER: 68426	
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DRAWING NUMBER		AERIAL MAP		 VISION • EXPERIENCE • RESULTS	England-Thins & Miller, Inc. 14775 Old St. Augustine Road Jacksonville, FL 32258 TEL: (904) 642-8990 FAX: (904) 646-9485 REG - 2584 LC - 0000316		ETM NO. 17-252-37		REVISIONS:		PLANS PREPARED UNDER THE DIRECTION OF:		
4		BAPTIST PRIMARY HEALTH LIME STREET FOR PAVILION HEALTH SERVICES INC.			DRAWN BY: M. Farajon		DESIGNED BY: S. Lockwood		CHECKED BY: S. Lockwood		DATE: APRIL, 2024		SCOTT JORDAN LOCKWOOD P.E. NUMBER: 68426





DRAINAGE STRUCTURE TABLE			
STR. NO.	STRUCTURE TYPE	TOP/ GRATE EL.	INVERT EL.
101	TYPE "B" INLET	18.75	8" PVC PIPE (SDR 26) - 16.30 (NE) 15" HP PIPE - 14.35 (NW) 15" HP PIPE - 14.35 (SW)
102	TYPE "B" INLET	18.55	15" HP PIPE - 14.65 (N) 8" PVC PIPE (SDR 26) - 16.20 (E) 15" HP PIPE - 14.65 (SE) 8" PVC PIPE (SDR 26) - 15.25 (W)
103	TYPE "B" INLET	18.40	8" PVC PIPE (SDR 26) - 14.50 (N) 12" PVC PIPE (SDR 26) - 16.00 (E) 15" HP PIPE - 14.90 (S)
104	TYPE "B" INLET	18.85	12" PVC PIPE (SDR 26) - 16.20 (W) 8" PVC PIPE (SDR 26) - 16.20 (NE) 8" PVC PIPE (SDR 26) - 16.20 (SE)
105	YARD DRAIN	18.40	8" PVC PIPE (SDR 26) - 16.40 (SW)
106	YARD DRAIN	19.00	8" PVC PIPE (SDR 26) - 16.50 (NW)
107	YARD DRAIN	17.20	8" PVC PIPE (SDR 26) - 14.80 (S)
108	YARD DRAIN	19.00	8" PVC PIPE (SDR 26) - 16.50 (W)
109	YARD DRAIN	17.80	8" PVC PIPE (SDR 26) - 15.50 (E)
110	YARD DRAIN	19.00	8" PVC PIPE (SDR 26) - 16.50 (SW)
111	YARD DRAIN	19.00	8" PVC PIPE (SDR 26) - 16.50 (S)
112	YARD DRAIN	18.00	8" PVC PIPE (SDR 26) - 15.00 (E) 8" PVC PIPE (SDR 26) - 16.20 (N) 12" PVC PIPE (SDR 26) - 15.00 (W)
113	YARD DRAIN	17.50	8" PVC PIPE (SDR 26) - 15.20 (N) 8" PVC PIPE (SDR 26) - 15.20 (W)
114	YARD DRAIN	18.30	8" PVC PIPE (SDR 26) - 15.50 (S)
Z-1	TYPE "C" INLET	16.48	12" PVC PIPE (SDR 26) - 14.60 (E) 15" HP PIPE - 14.05 (NE)

PLANS PREPARED UNDER THE
DIRECTION OF:

REVISIONS:

ETM NO. 17-252-37

DRAWN BY: M. Farjani

DESIGNED BY: S. Lockwood

CHECKED BY: S. Lockwood

DATE: APRIL, 2024

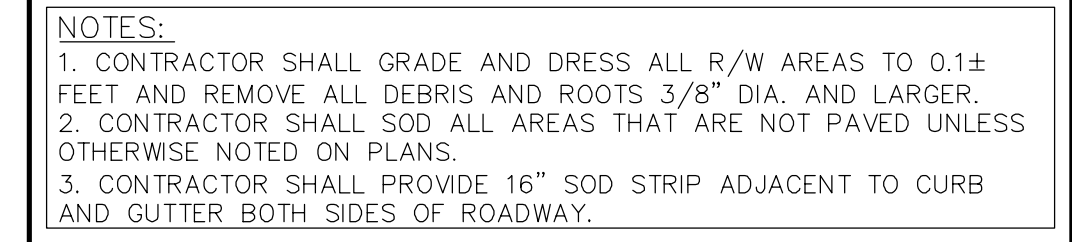
England-Thins & Miller, Inc.
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REG. #284 LC-0000316

ETM
VISION • EXPERIENCE • RESULTS

PAVING AND DRAINAGE PLAN

BAPTIST PRIMARY HEALTH LIME STREET
FOR
PAVILION HEALTH SERVICES INC.

DRAWING NUMBER
6



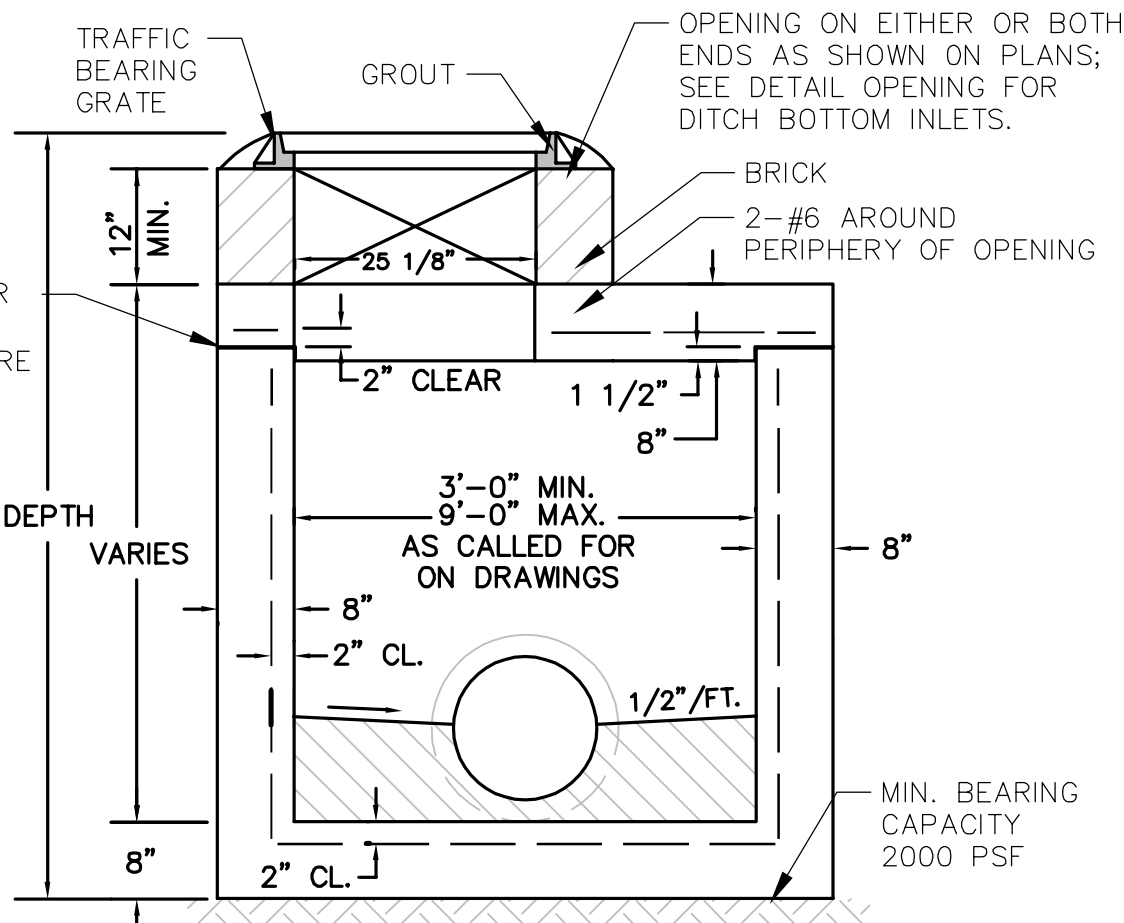
N.T.S.



PIPE SECTION

NOTE: EACH DRAINAGE PIPE JOINT SHALL BE WRAPPED WITH FILTER FABRIC (TYPE D-3 CENTERED AT EACH JOINT) (REFER TO FDOT SPECIFICATION 985) AND COST SHALL BE INCLUDED WITH DRAINAGE PIPE.

N.T.S.



NOTES:

1. PIPES SHALL BE FLUSH WITH INSIDE WALLS.
2. PIPES SHALL NOT BE IN CONSTRUCTION JOINT.
3. GRATES SHALL TRAFFIC BEARING HS-20 LOADING.

N.T.S.



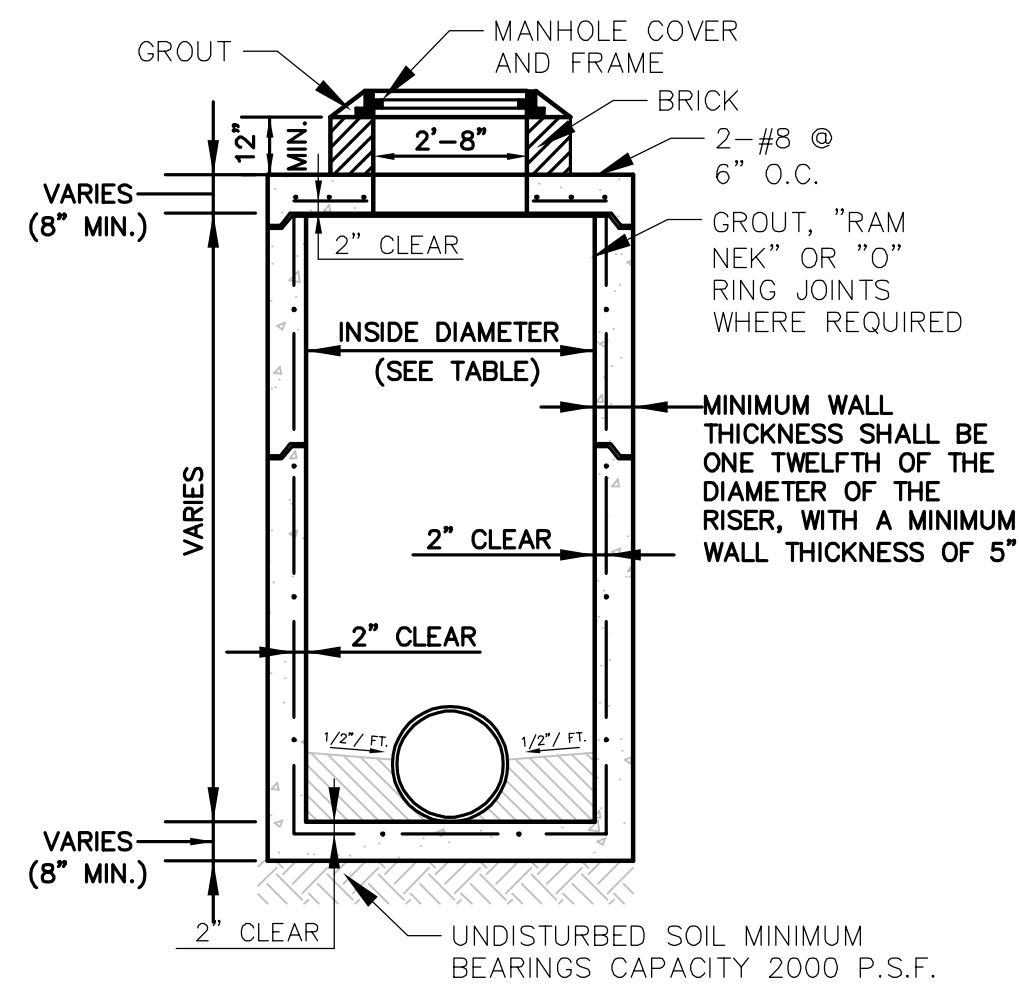
NOTES:

1. CONSTRUCT STRAIGHT JOINTS WITH FACE PERPENDICULAR TO SURFACE OF CONCRETE. TRAVERSE JOINTS SHALL BE AT RIGHT ANGLES TO CENTERLINE UNLESS OTHERWISE INDICATED ON PLANS.
2. PROVIDE EXPANSION JOINTS AT 100' INTERVAL MAXIMUM SPACING ON CENTER.
3. PROVIDE EXPANSION JOINTS FILLER FOR JOINTS ABUTTING CURBS, CATCH BASINS, MANHOLES, INLETS STRUCTURES, WALKS AND OTHER FIXED OBJECTS UNLESS OTHERWISE INDICATED ON PLANS.
4. EXTEND JOINTS FILLER FULL WIDTH AND DEPTH OF JOINT, AND 1/2" BELOW FINISHED SURFACE. PLACE SEALANT OVER JOINT FILLER PER MANUFACTURER'S RECOMMENDATIONS.
5. USE PREMOLED ASPHALT-IMPREGNATED FIBERBOARD, 1/2" THICK CONFORMING TO ASTM D1751.
6. CONTRACTION JOINT SHALL BE SAW CUT (1/4" WIDE BY 1" DEEP).
7. FINISHED SURFACE FOR CONCRETE SIDEWALK SHALL BE GRAY CONCRETE WITH LIGHT BROOM FINISH PERPENDICULAR TO LINE OF TRAFFIC.
8. PROVIDE CRACK CONTROL JOINTS @ (SAME AS WIDTH) O.C.
9. PROVIDE 16" STRIP SOD ADJACENT TO ALL EDGES OF SIDEWALK, CURB AND PAVEMENT AREAS.
10. CONCRETE COMPRESSION STRENGTH 3000 P.S.I. @ 28 DAYS
11. SIDEWALK TO BE CONSTRUCTED WITH SLOPES COMPLYING TO WITH LATEST ADA CODE AND FDOT INDEX 304. SIDEWALK MAX. VERTICAL SLOPE OF 5.0% AND MAX CROSS SLOPE OF 2.0%.

N.T.S.



N.T.S.



INSIDE DIAMETER TABLE						
J-1	J-1A	J-1B	J-1C	J-1D	J-1E	J-1F
4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"

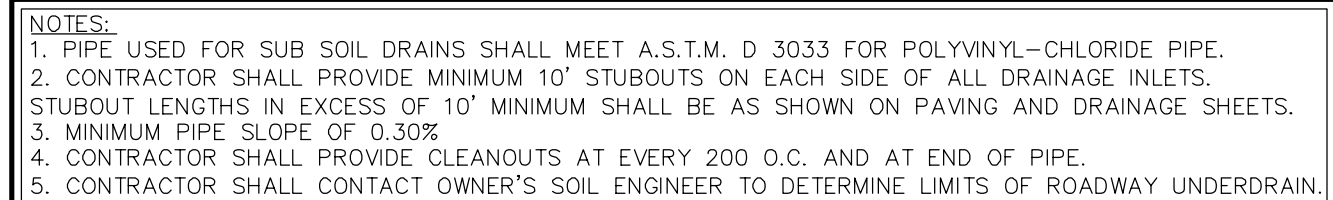
NOTES:

1. CONCRETE DESIGN STRENGTH 4,000 PSI.
2. PRECAST IN ACCORDANCE WITH LATEST EDITIONS OF ASTM C 478.
3. PIPES SHALL BE FLUSH WITH INSIDE WALL.
4. IN PAVED AREAS FRAME AND GRATE MUST MATCH FINAL ASPHALT AND CROSS-SLOPE.
5. RING AND COVER SHALL BE TRAFFIC BEARING

N.T.S.



N.T.S.



N.T.S.



AT CURB AND GUTTER



AT GRADE

NOTES:

1. CONSTRUCT STRAIGHT JOINTS WITH FACE PERPENDICULAR TO SURFACE OF CONCRETE. TRAVERSE JOINTS SHALL BE AT RIGHT ANGLES TO CENTERLINE UNLESS OTHERWISE INDICATED ON PLANS.
2. PROVIDE EXPANSION JOINTS AT 100' INTERVAL MAXIMUM SPACING ON CENTER.
3. PROVIDE EXPANSION JOINTS FILLER FOR JOINTS ABUTTING CURBS, CATCH BASINS, MANHOLES, INLETS STRUCTURES, WALKS AND OTHER FIXED OBJECTS UNLESS OTHERWISE INDICATED ON PLANS.
4. EXTEND JOINTS FILLER FULL WIDTH AND DEPTH OF JOINT, AND 1/2" BELOW FINISHED SURFACE. PLACE SEALANT OVER JOINT FILLER PER MANUFACTURERS RECOMMENDATIONS.
5. USE PREMOLDED ASPHALT-IMPREGNATED FIBERBOARD, 1/2" THICK CONFORMING TO ASTM D1751.
6. CONTRACTION JOINT SHALL BE SAW CUT (1/4" WIDE BY 1" DEEP).
7. FINISHED SURFACE FOR CONCRETE SIDEWALK SHALL BE GRAY CONCRETE WITH LIGHT BROOM FINISH PERPENDICULAR TO LINE OF TRAFFIC (UNLESS OTHERWISE INDICATED ON PLANS).
8. PROVIDE CRACK CONTROL JOINTS @ (SAME AS WIDTH) O.C.
9. PROVIDE 16" STRIP SOD ADJACENT TO ALL EDGES OF SIDEWALK, CURB AND PAVEMENT AREAS.
9. CONCRETE COMPRESSION STRENGTH 2500 P.S.I. @ 28 DAYS UNLESS OTHERWISE APPROVED BY ENGINEER OF RECORD.
10. SIDEWALK TO BE CONSTRUCTED WITH SLOPES COMPLYING TO WITH LATEST ADA CODE AND FDOT INDEX 522-001. SIDEWALK MAX. VERTICAL SLOPE OF 5.0% AND MAX CROSS SLOPE OF 2.0%.

N.T.S.

NOTE: FOR ALL STANDARD
DETAILS, SEE ST. JOHNS COUNTY
STANDARDS SPECIFICATIONS AND
DETAILS, LATEST REVISIONS.

DIRECTION OF:

P.E. NUMBER: 68426

DRAWN BY: M Farid

DESIGNED BY: S. Lockwood

DATE: APRIL, 2024

DATE: APRIL, 2024

England-Thims & Miller, Inc.
14775 Old St. Augustine Road

England-Thim
14775 Old St. Augustine

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FAX: (904) 646-9485

REG - 2584 LC - 00003



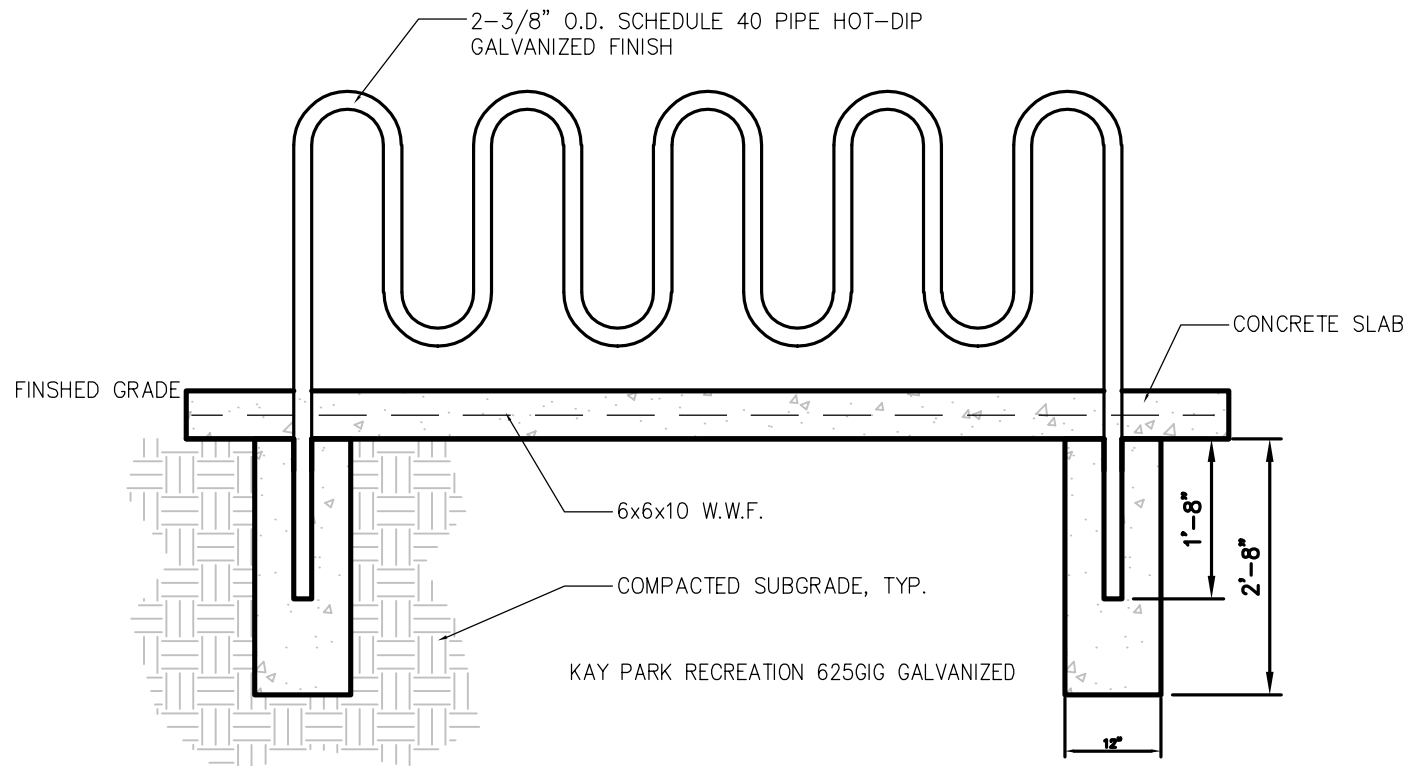
PAVING AND DRAINAGE DETAILS

**FOR
PAVILION HEALTH SERVICES INC.**

RAWING NUMBER

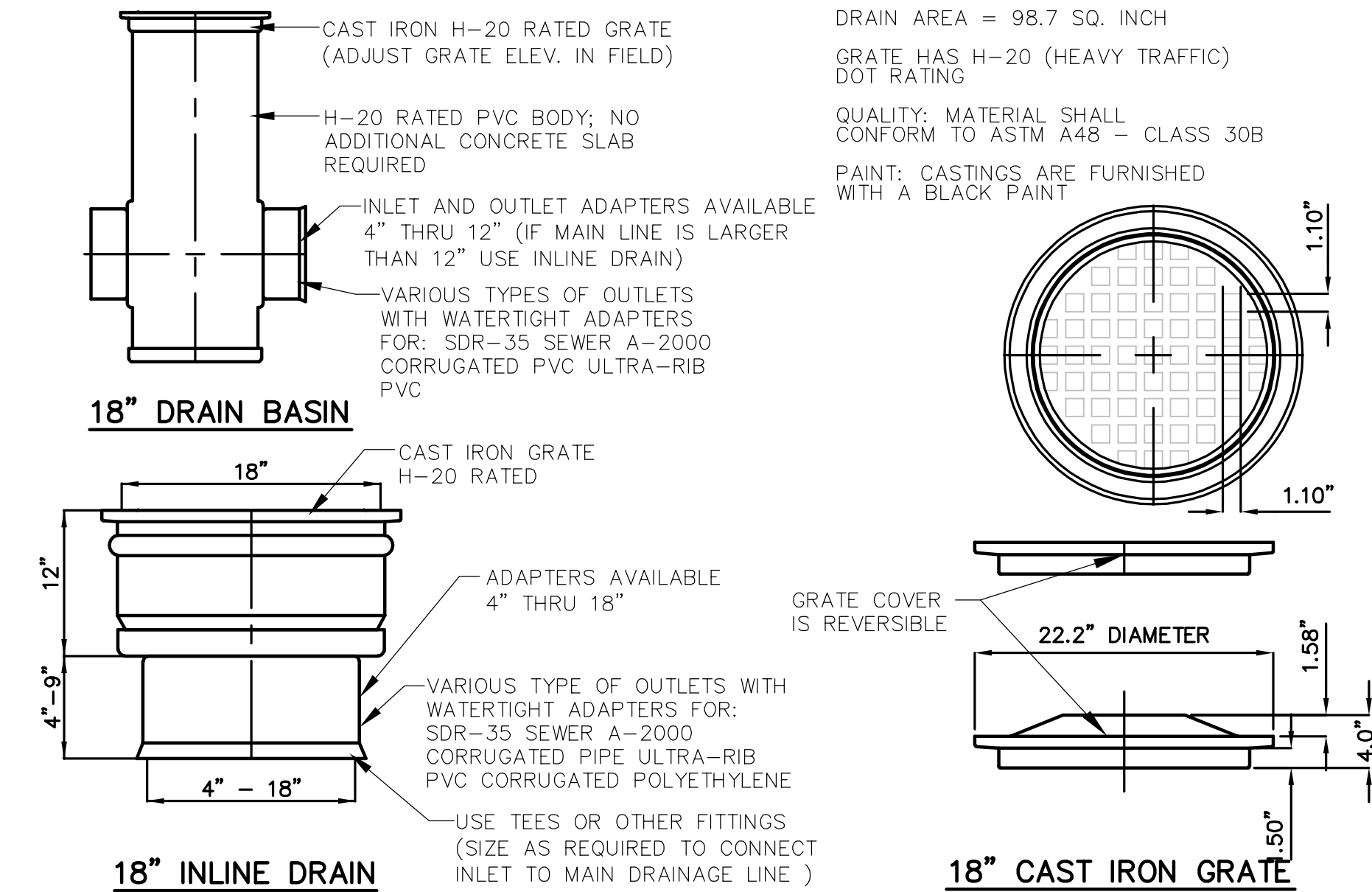
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BICYCLE RACK

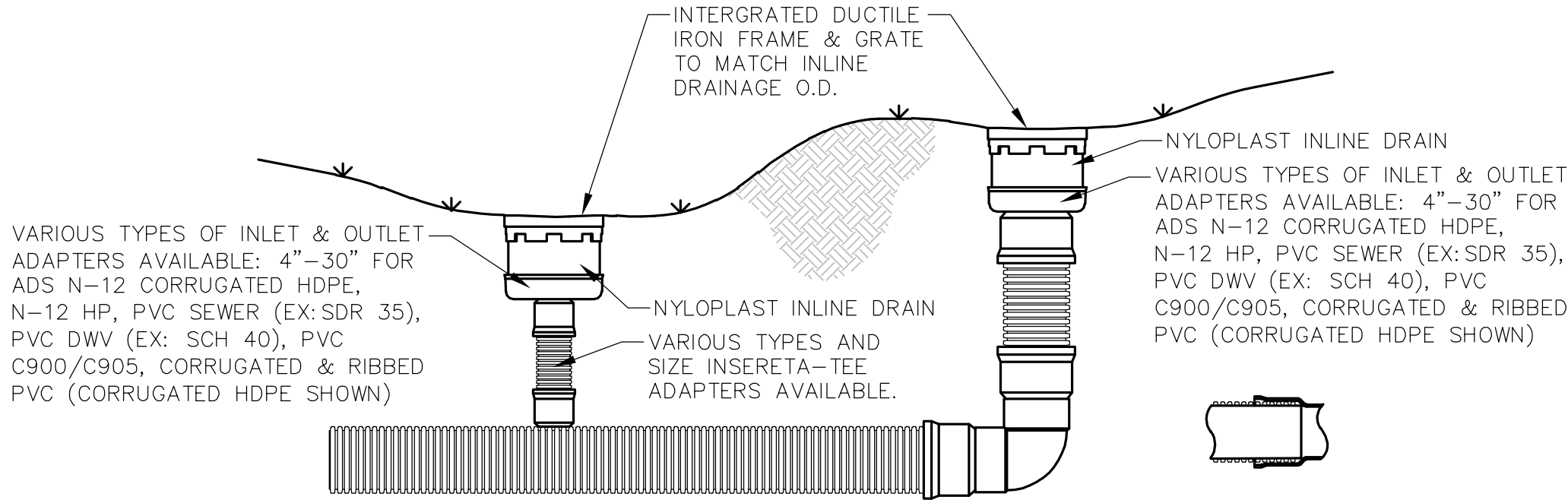
N.T.S.



NOTE:
CONTRACTOR SHALL USE FILTER WRAP AROUND ALL
HDPE JOINTS PER MANUFACTURER'S RECOMMENDATIONS

YARD DRAIN - HDPE STORM SEWER INLETS

NYLOPLAST OR APPROVED EQUIVALENT
N.T.S.



NOTES:
1. CONTRACTOR SHALL USE FILTER WRAP AROUND ALL HDPE JOINTS PER MANUFACTURER'S RECOMMENDATIONS.
2. GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH EXCEPTION OF BRONZE GRATE.
3. FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
5. DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY.
6. DIMENSIONS ARE IN INCHES.
7. SEE DRAWING NO. 7001-110-275 FOR N-12 HP BELL INFORMATION.
8. INSERTA-TEE ADAPTERS CREATE WATER TIGHT JOINT BETWEEN ADAPTER AND MAINLINE PIPE.

NYLOPLAST INLINE DRAIN SYSTEM USING INSERTA-TEE CONNECTION

YARD DRAIN - STORM SEWER INLETS

NYLOPLAST OR APPROVED EQUIVALENT
N.T.S.

PAVING AND DRAINAGE DETAILS

BAPTIST PRIMARY HEALTH LIME STREET
FOR
PAVILION HEALTH SERVICES INC.

DRAWING NUMBER
70

England-Thins & Miller, Inc.
14775 Old St. Augustine Road
Jacksonville, FL 32258
TEL: (904) 645-8990
FAX: (904) 646-9485
REG - 2584 LC - 0000316

ETM
VISION • EXPERIENCE • RESULTS

ETM NO. 17-252-37
DRAWN BY: M. Farjhan
DESIGNED BY: S. Lockwood
CHECKED BY: S. Lockwood
DATE: APRIL, 2024

PLANS PREPARED UNDER THE
DIRECTION OF:
SCOTT JORDAN LOCKWOOD
P.E. NUMBER: 68426



ETM

VISION • EXPERIENCE • RESULTS

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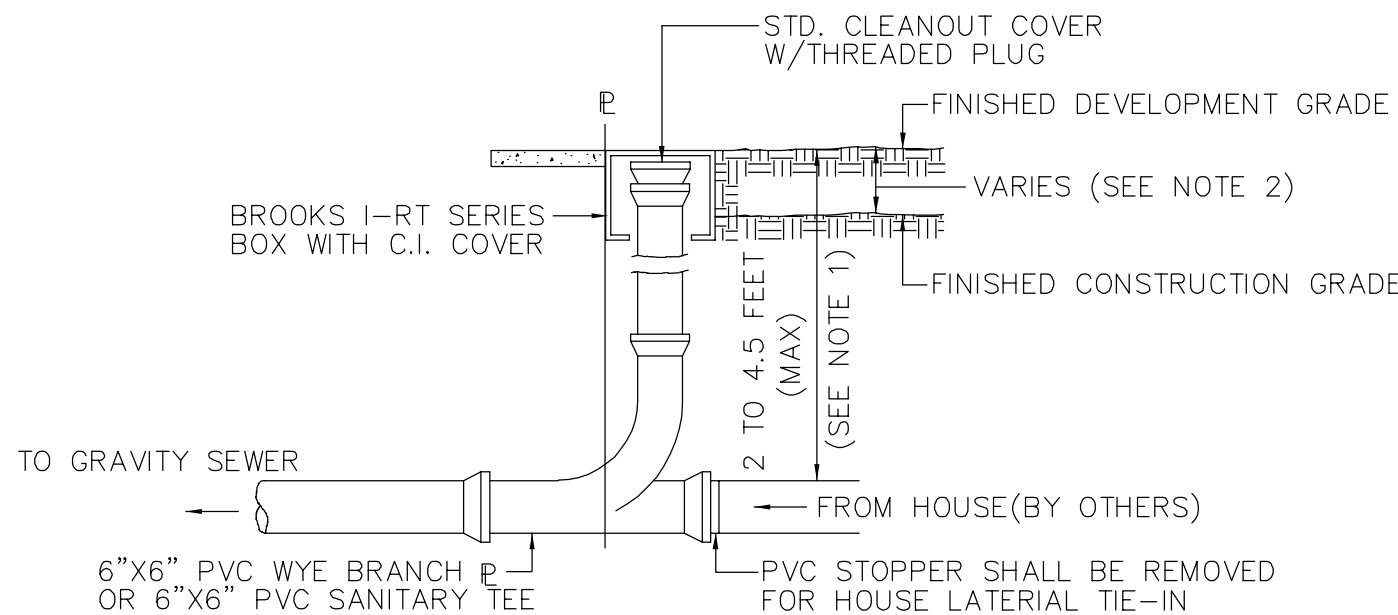
PLANS PREPARED UNDER THE
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SCOTT JORDAN LOCKWOOD

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GRAVITY SEWER STANDARD SPECIFICATIONS

1. ALL MANHOLES SHALL BE PRECAST CONCRETE AND CONFORM TO ASTM C-478 STANDARDS. MANHOLE CONES AND RISERS SHALL BE CONSTRUCTED OF 4,00 PSI, TYPE II CEMENT WITH RIVER ROCK OR GRANITE AGGREGATE.
2. ALL PIPES SHALL BE CONNECTED TO THE MANHOLE USING A LOCK JOINT FLEXIBLE MANHOLE SLEEVE (ASTM C-923) OR APPROVED EQUAL.
3. THE EXTERIOR AND INTERIOR OF THE MANHOLE SHALL BE COATED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS WITH FABRITE AS MANUFACTURED BY BRIGGS BITUMINOUS COMPOSITION COMPANY.
4. AN INSIDE PVC DROP MANHOLE (TYPE "B") SHALL BE REQUIRED FOR MANHOLES WHICH HAVE A DISTANCE OF 18 INCHES OR GREATER BETWEEN INFLUENT PIPE INVERT AND EFFLUENT PIPE INVERT. ALL OTHER DROPS SHALL HAVE A SLIDE CONSTRUCTED TO DIRECT THE FLOW INTO THE INVERT CHANNEL.
5. SEWER SERVICES SHALL BE CAST IRON IF 2FEET OF GROUND COVER CANNOT BE MAINTAINED OVER THE SERVICE LINE.
6. ALL DUCTILE IRON SEWER PIPE, WHERE SPECIFIED, SHALL BE CLASS 51 AND COMPLY WITH ANSI/AWWA C150/A21.50 AND ANSI/AWWA C151/A21.51. DUCTILE IRON PIPE SHALL BE PROVIDED WITH A FACTORY APPLIED INTERIOR POLYETHYLENE LINING IN ACCORDANCE WITH ANSI/ASTM D1248.
7. THE MAXIMUM NUMBER OF DIPS IS ONE, 1-INCH DIP PER 135 LF OF PIPE. NO MORE THAN ONE DIP PER 135 LF OF PIPE. A DIP IS DEFINED AS A CHANGE IN ELEVATION OF 0.5" OR GREATER.



- NOTE:
- DEPTH OF CLEANOUT SHALL BE SET BY DISTANCE TO HOUSE CONNECTION @ 1/4" PER FOOT, PLUS ONE FOOT.
 - CONTRACTOR TO COORDINATE DEPTH WITH DEVELOPER.

CLEANOUT

N.T.S.

N.T.S.

24" MIN. 12" & LARGER PIPE
18" MIN. 10" & SMALLER PIPE

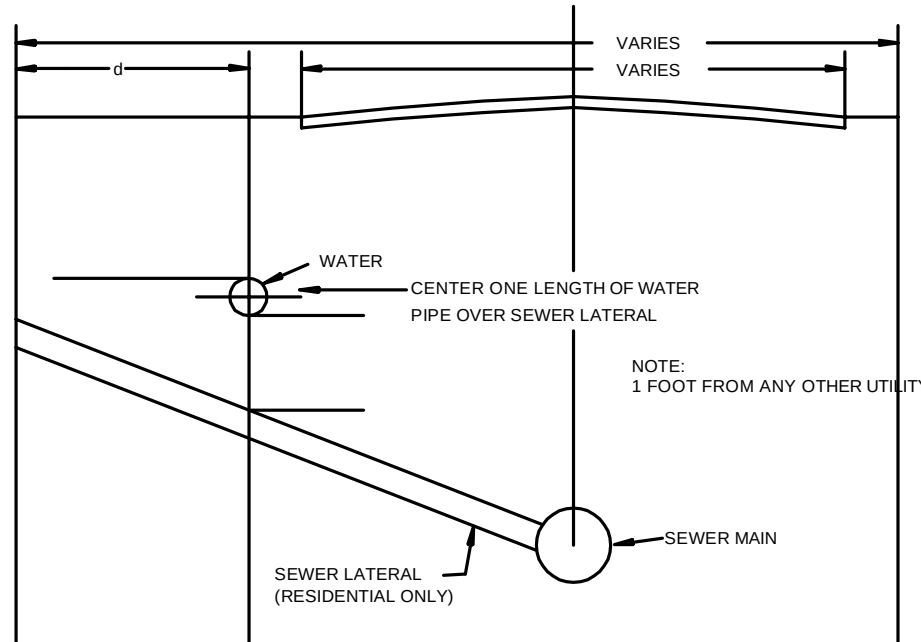
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1/4 BENDS				1/8 BENDS				1/4 BENDS				TEE			
SIZE	A	B	CONC.	A	B	CONC.	A	B	CONC.	SIZE	A	B	CONC.	CU FT	CONC.
6"	18"	10"	9.2	6"	10"	8.0	6"	8"	6.8	6"	10"	12"	8.5		
8"	22"	13"	12.2	8"	13"	8.7	8"	10"	8.1	8"	13"	16"	9.4		
10"	26"	17"	15.1	10"	17"	9.5	10"	15"	9.6	10"	16"	20"	10.4		
12"	29"	21"	21.1	12"	21"	8.8	12"	18"	9.8	12"	18"	24"	10.8		
14"	35"	24"	26.8	14"	24"	14.9	14"	20"	9.9	14"	24"	28"	13.2		
16"	39"	27"	37.8	16"	27"	18.1	16"	24"	11.2	16"	24"	30"	28.6		
18"	47"			18"			18"			18"					

- NOTE:
- ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED SOIL.
 - THESE TABLES SHOW MINIMUM SIZE THRUST BLOCKS FOR GOOD SOIL. (A-1 THROUGH A-3, CLEAN SAND AND GRAVELS)
 - POOR SOIL (A-4 THROUGH A-8, SILTY SOILS, CLAYS, MUCK AND PEAT) WILL REQUIRE LARGER THRUST BLOCKS.

THRUST BLOCKS FOR BENDS & TEE'S

N.T.S.



- NOTES:
- MAINTAIN MINIMUM 6" HORIZONTAL SEPARATION BETWEEN WATER AND WASTE WATER MAINS. WHERE THIS IS NOT POSSIBLE REPLACE WASTE WATER MAIN WITH DUCTILE IRON FOR THE LENGTH IN WHICH THE 10" HORIZONTAL SEPARATION CANNOT BE MAINTAINED. (BY OTHERS)
 - MAINTAIN MINIMUM 6" VERTICAL SEPARATION BETWEEN ALL WATER AND WASTE WATER MAINS.
 - MAINTAIN MINIMUM 12" SEPARATION BETWEEN ALL OTHER FACILITIES

HORIZONTAL AND VERTICAL CLEARANCES BETWEEN WATER AND SEWER MAINS

N.T.S.

TWO RODS ON ALL SIX INCH (6") PIPE
THREE RODS ON ALL EIGHT INCH (8") PIPE
FOUR RODS ON ALL TEN AND TWELVE INCH (10" & 12") PIPE

TIE RODS

MINIMUM LENGTH TO BE RESTRAINED ON EACH SIDE OF FITTING (FEET)											
PIPE SIZE	11 1/4	22 1/2	45	90	TEE	VALVE	CAP	REDUCER			
4	2	4	7	18	20	39	39	N/A			
6	2	5	10	25	20	55	55	28			
8	3	6	13	32	20	72	72	30			
10	4	8	16	38	20	86	86	29			
12	4	9	19	45	20	102	102	50			
16	6	11	23	57	20	131	131	30			

BELL RESTRAINT REQUIREMENTS

N.T.S.

HYDRANT PAINT

CONTRACTORS ARE REQUIRED TO PAINT NEW HYDRANTS SAFETY YELLOW AND MARK HYDRANTS. THE TOPS AND NOZZLE CAPS SHALL BE PAINTED WITH THE FOLLOWING CAPACITY INDICATOR COLOR SCHEME:
BLUE (SW4079) 1500GPM AND HIGHER
GREEN (SW4085) 1000-1499 GPM
ORANGE (SW4083) 500-999 GPM
RED (SW4081) LESS THAN 500 GPM

WATER MAIN NOTES

IT IS REQUIRED THAT ALL NEW AND RELOCATED WATER MAINS BE PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600.

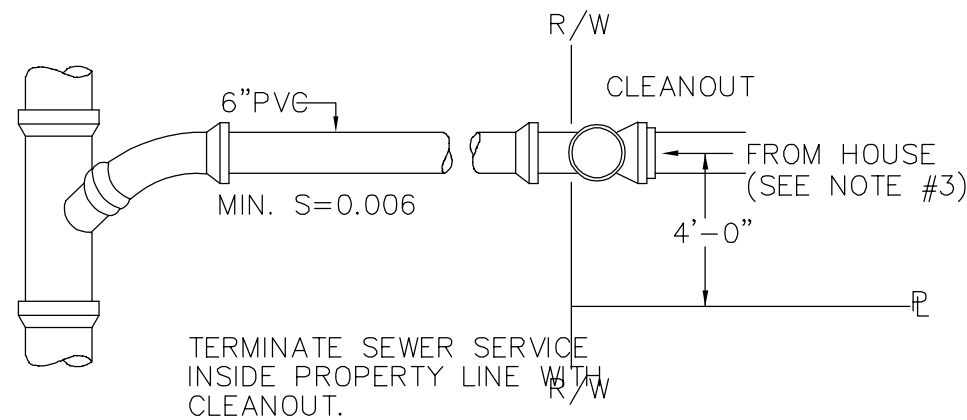
IT IS REQUIRED THAT ALL NEW AND RELOCATED WATER MAINS BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C651 AND RULE 62-555.345, F.A.C..

ALL WATER MAINS WILL BE CONSTRUCTED WITH BLUE C900-DR25 PIPE
ALL WATER SERVICES WILL CONSTRUCTED WITH WHITE PVC SCHEDULE 80 PIPE. BLUE SPRAY PAINT WILL BE APPLIED TO THE TOP SURFACE.
JOINT RESTRAINTERS MAY BE USED IN PLACE OF THRUST BLOCKS ON C900, DR25 PIPE. WITH APPROVAL OF THE CITY UTILITIES DEPARTMENT.

TRENCH DETAILS

N.T.S.

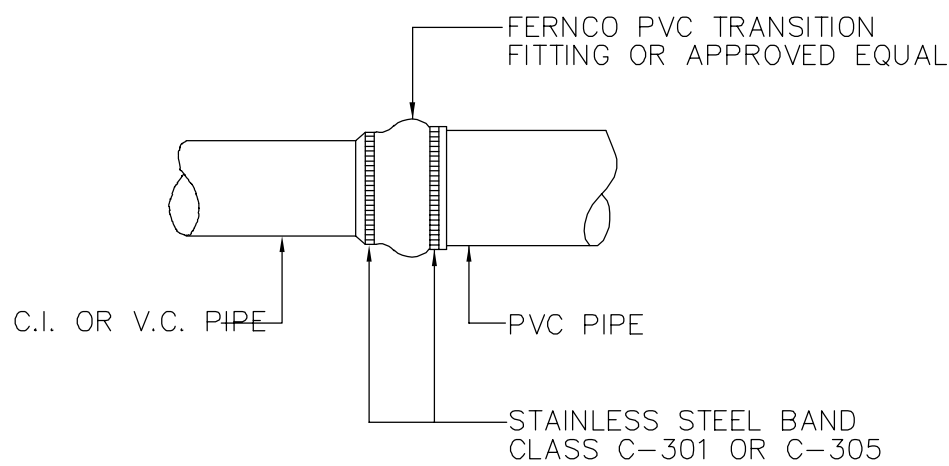
WHITE PVC DR 25 C900 PIPE FOR ALL 4", 6", 8", 10" AND 12" MAINS
#10 UF SOLID TRACING WIRE TO BE INSTALLED ON TOP OF MAIN TAPED EVERY TEN FEET
PIPE LETTERING TO BE AT TOP OF PIPE WITH EDGE OF JOINT LINE VISIBLE AT BELL



- NOTE:
- SEWER SERVICE SHALL BE INSTALLED 4'-0" INSIDE PROPERTY LINES.
 - TEMPORARY 4"x4"x8" POST, PAINTED RED AT TOP, TO BE INSTALLED FOR AIDING IN THE PROTECTION OF SEWER CLEAN OUTS. THE POST SHALL EXTEND 4' ABOVE GRADE.
 - CONNECTION FROM HOUSE TO UWF SYSTEMS SHALL BE A HARD CONNECTION. FLEXIBLE CONNECTIONS SHALL NOT BE USED.

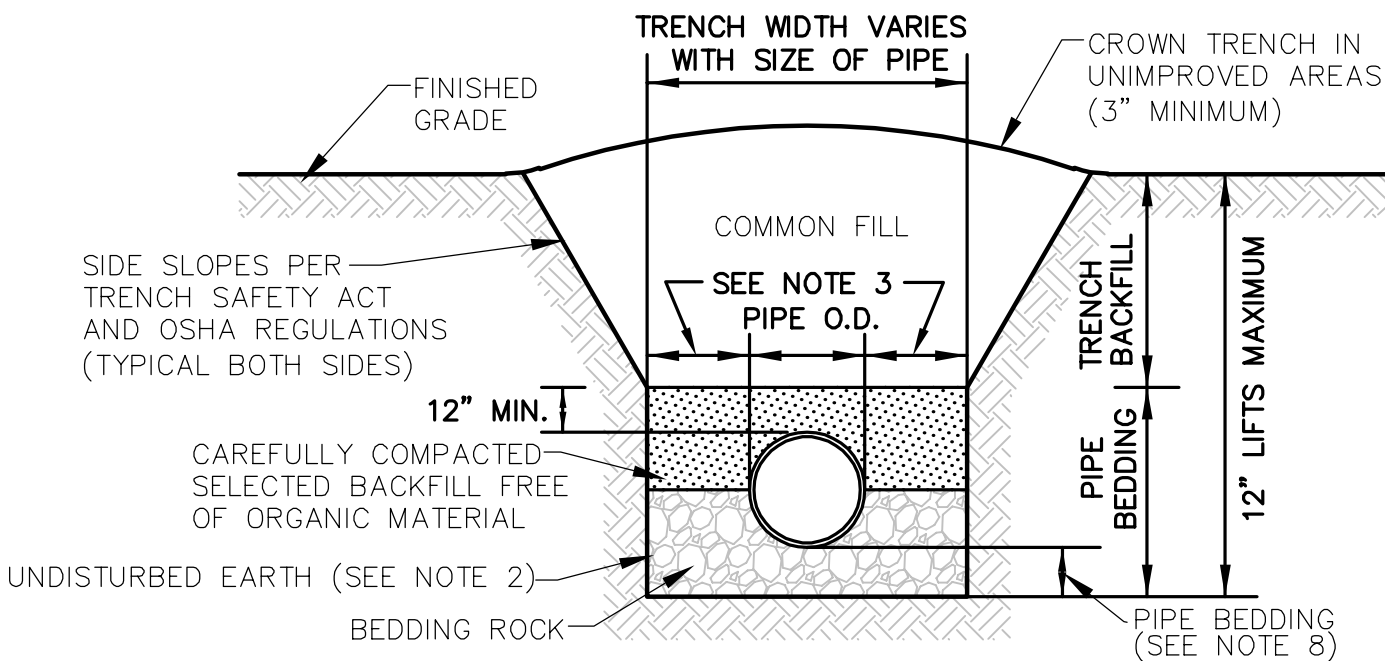
TYPICAL SEWER SERVICE

N.T.S.



C.I. TO PVC COUPLING ADAPTER

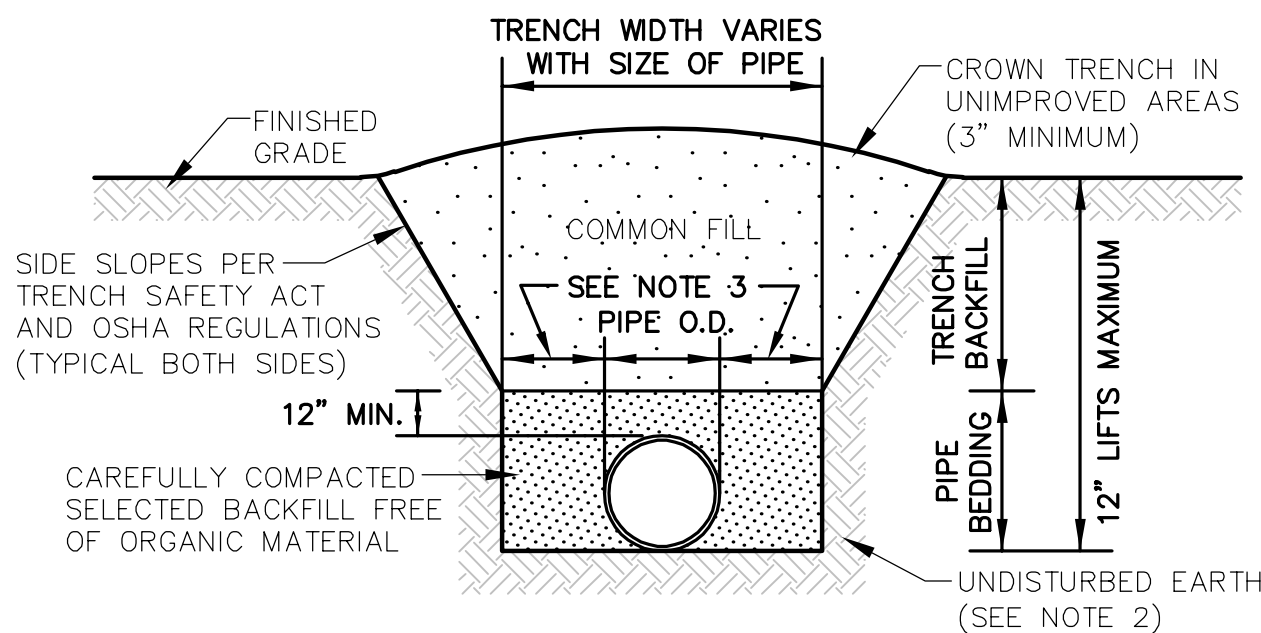
N.T.S.



- NOTES:
- TRENCH AND PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% MAX. DENSITY (AASHTO T-180).
 - USE TYPE A BEDDING TO BE DETERMINED IN FIELD AS DIRECTED BY COUNTY.
 - 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
 - WATER SHALL NOT BE PERMITTED IN TRENCH DURING CONSTRUCTION.
 - ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO DIRECTION OF FLOW.
 - REFER TO MANUAL FOR SHEETING AND BRACING IN EXCAVATIONS.
 - FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES SURFACE RESTORATION WITHIN COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.
 - DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW PIPE. COUNTY SHALL DETERMINE IN FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.

TYPE A BEDDING AND TRENCH DETAIL

N.T.S.



- NOTES:
- TRENCH AND PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% MAX. DENSITY (AASHTO T-180).
 - USE TYPE A BEDDING TO BE DETERMINED IN FIELD AS DIRECTED BY COUNTY.
 - 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
 - WATER SHALL NOT BE PERMITTED IN TRENCH DURING CONSTRUCTION.
 - ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO DIRECTION OF FLOW.
 - REFER TO MANUAL FOR SHEETING AND BRACING IN EXCAVATIONS.
 - FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES SURFACE RESTORATION WITHIN COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.

TYPE B BEDDING AND TRENCH DETAIL

N.T.S.

NOTE: FOR ALL STANDARD DETAILS, SEE CITY OF FERNANDINA BEACH UTILITIES STANDARDS SPECIFICATIONS AND DETAILS, LATEST REVISIONS.

PLANS PREPARED UNDER THE DIRECTION OF:

SCOTT JORDAN LOCKWOOD
P.E. NUMBER: 68426

REVISIONS:

ETM NO. 17-252-37

DRAWN BY: M. Farjon

DESIGNED BY: S. Lockwood

CHECKED BY: S. Lockwood

DATE: APRIL 2024

England-Thins & Miller, Inc.

14775 Old St. Augustine Road

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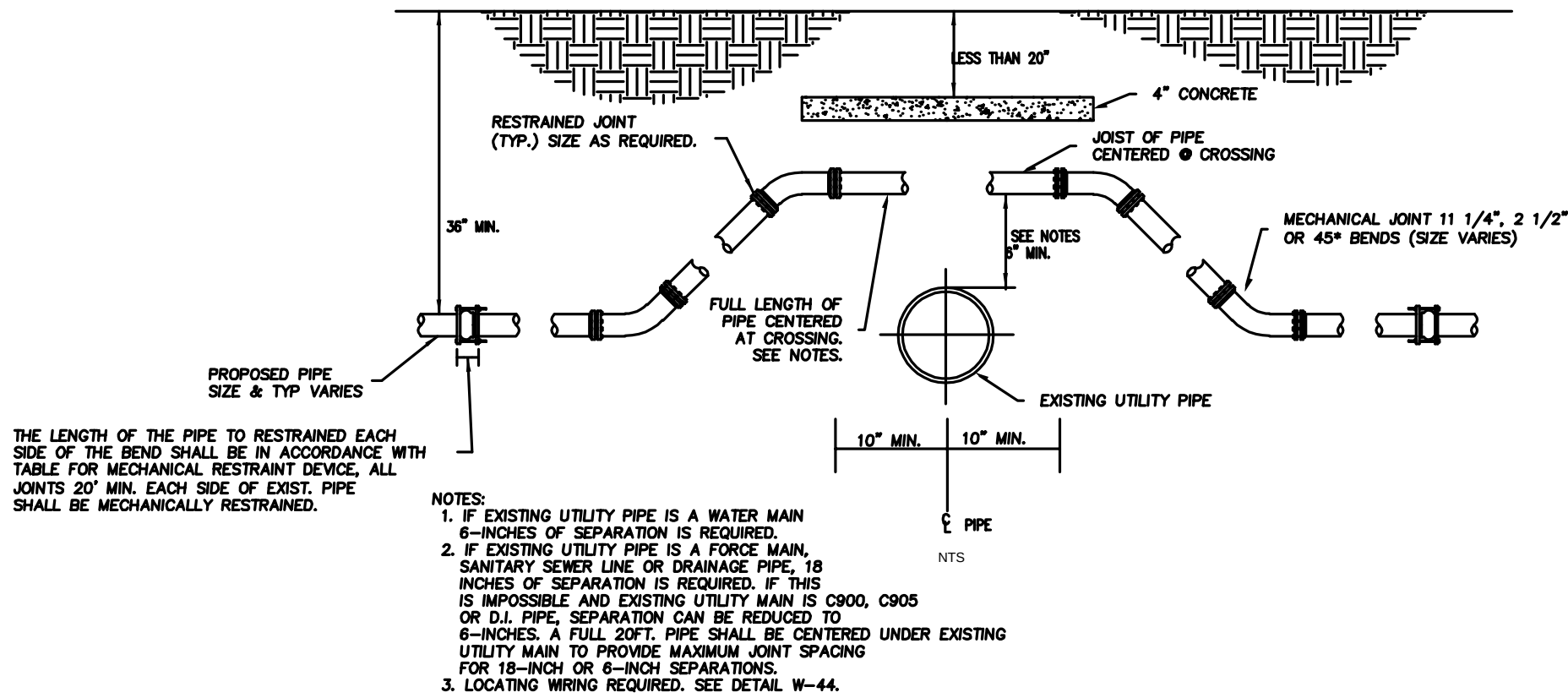
WATER AND SEWAGE DETAILS

BAPTIST PRIMARY HEALTH LIME STREET

FOR PAVILION HEALTH SERVICES INC.

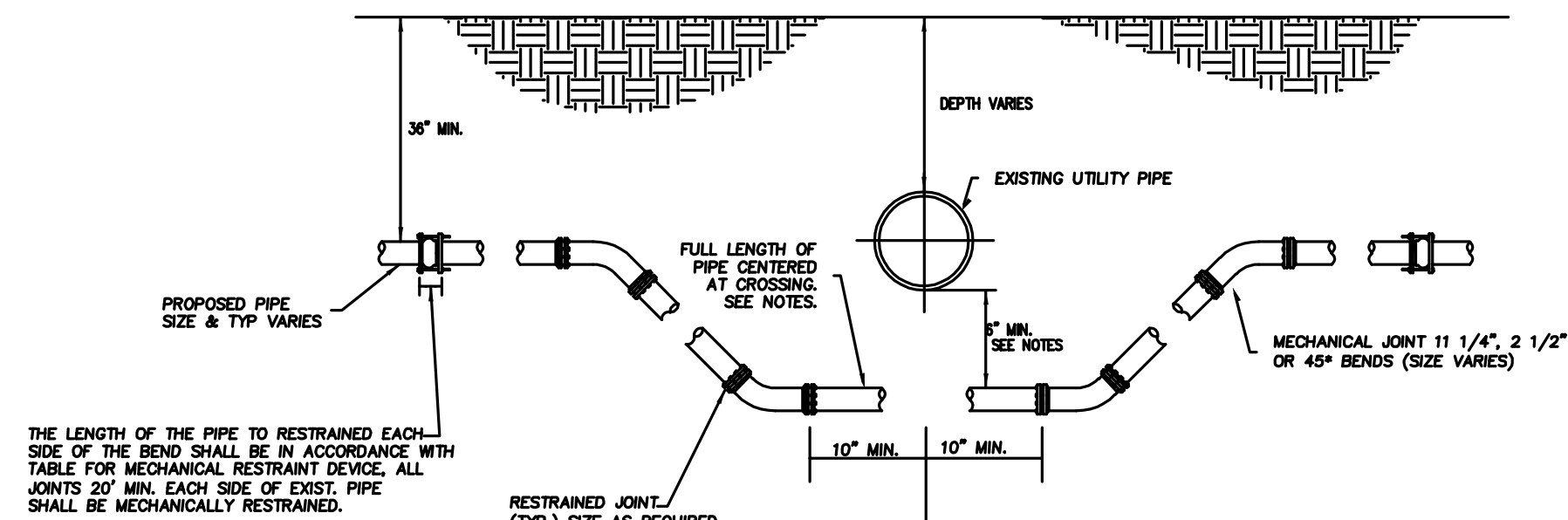
DRAWING NUMBER

9A



UTILITY CONFLICT DETAIL "A"

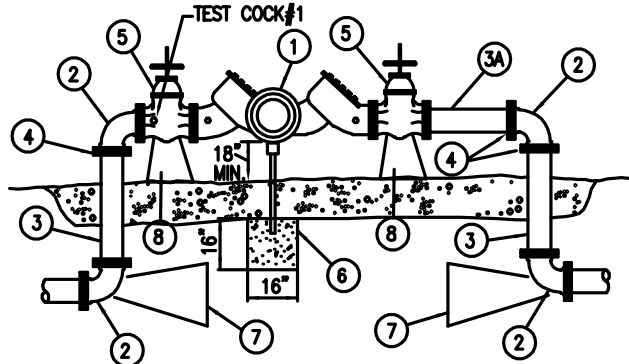
N.T.S.



UTILITY CONFLICT DETAIL "B"

N.T.S.

MATERIALS		
ITEM	QUANT.	DESCRIPTION
1	1	2.5"-10" VALVE, DOUBLE CHECK OR REDUCED PRESSURE
2	4	2.5"-10" BEND - 90° F-F
3	2	2.5"-10" D.I.P. (45° LONG) F-PE
3A	1	2.5"-10" D.I.P. (24" LONG) F-PE (OPT.)
4	3	2.5"-10" FLANGE, D.I.P.
5	2	2.5"-10" VALVE, GATE, D.I., F-F, OS+Y (RESILIENT SEAT)
6	1	2" IRON PIPE/CONCRETE FOUNDATION
7	2	THRUST BLOCK
8	2	SUPPORT BLOCKING UNDER VALVES (6" AND LARGER SIZES)

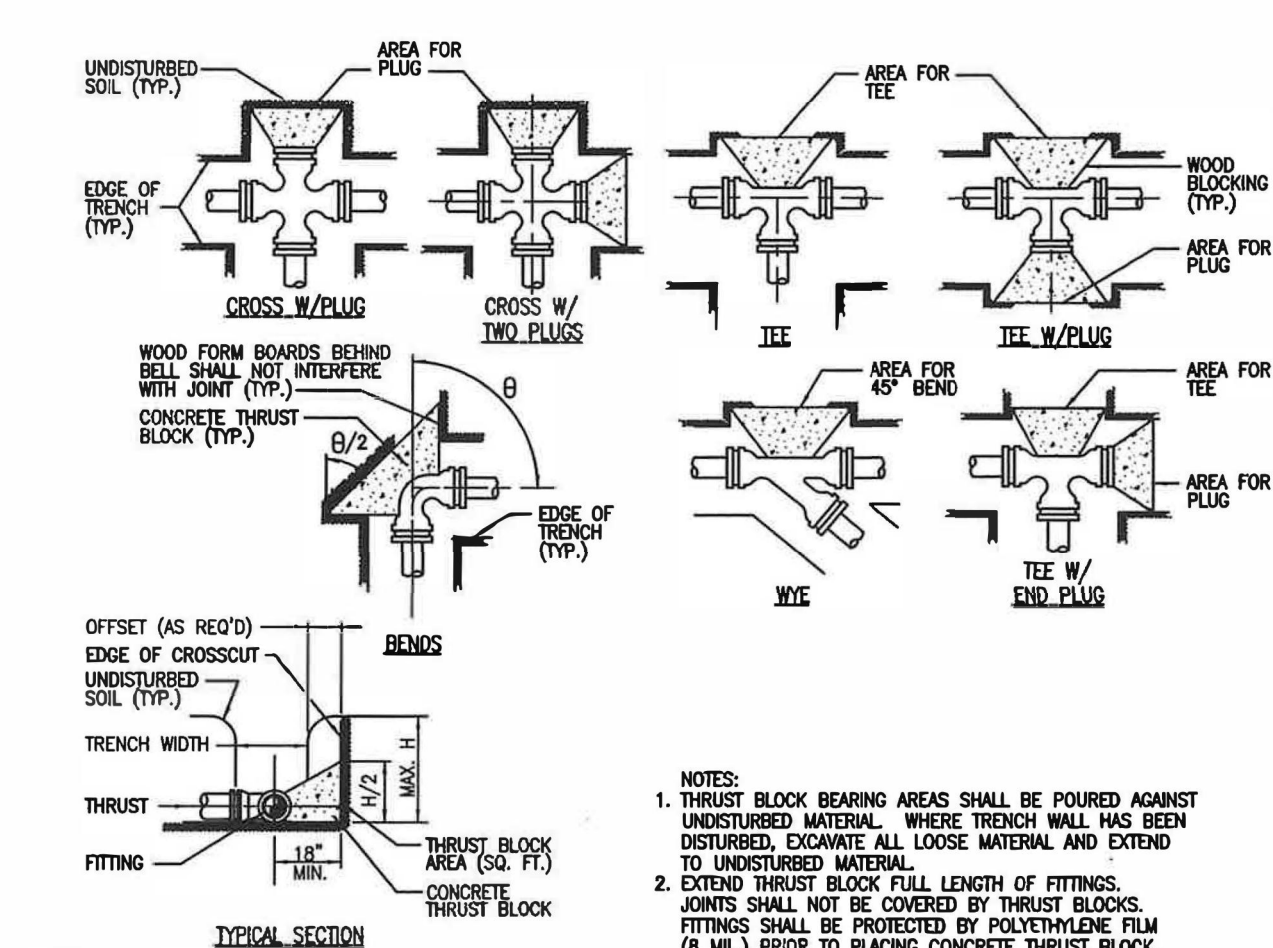


N.T.S.

LARGE WATER SERVICE
DOUBLE CHECK AND REDUCED PRESSURE
BACKFLOW PREVENTION
SINGLE SERVICE: 2 1/2" - 10"

BACKFLOW PREVENTER

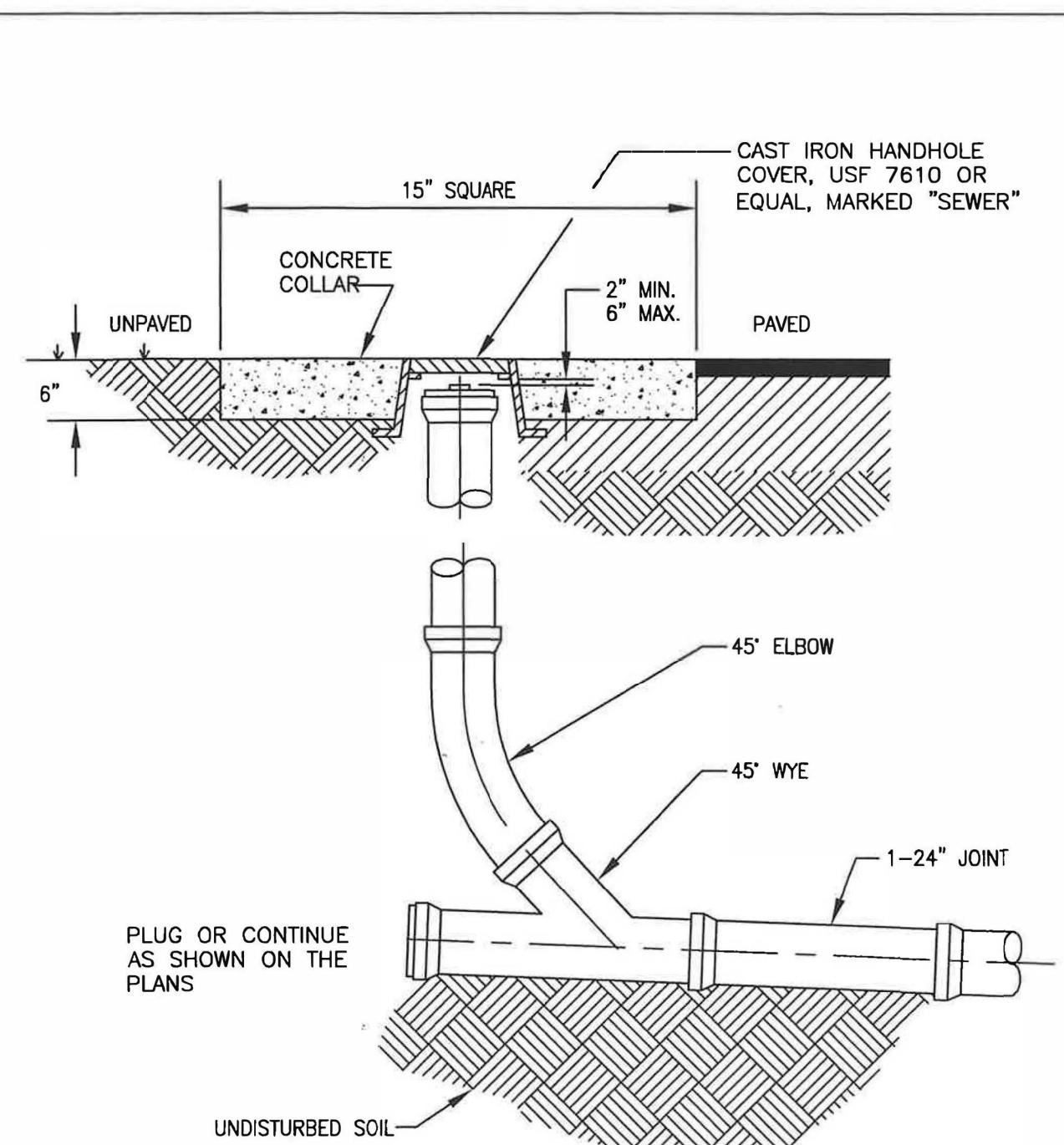
N.T.S.



SCHEDULE FOR THRUST BLOCK AREAS *							
PIPE SIZE (INCHES)	90 BEND (SQ FT)	45 BEND (SQ FT)	22-1/2 BEND (SQ FT)	11-1/4 BEND (SQ FT)	TEE & PLUG (SQ FT)	DESIGN PRESS (PSI)	
4	1.8	1.0	0.5	0.2	1.3	150	
6	4.0	2.2	1.1	0.6	2.8	150	
8	7.1	3.8	2.0	1.0	5.0	150	
10	11.1	6.0	3.1	1.5	7.9	150	
12	16.0	8.7	4.4	2.2	11.3	150	
14	21.8	11.8	6.0	3.0	15.4	150	
16	28.4	15.4	7.8	3.9	20.1	150	

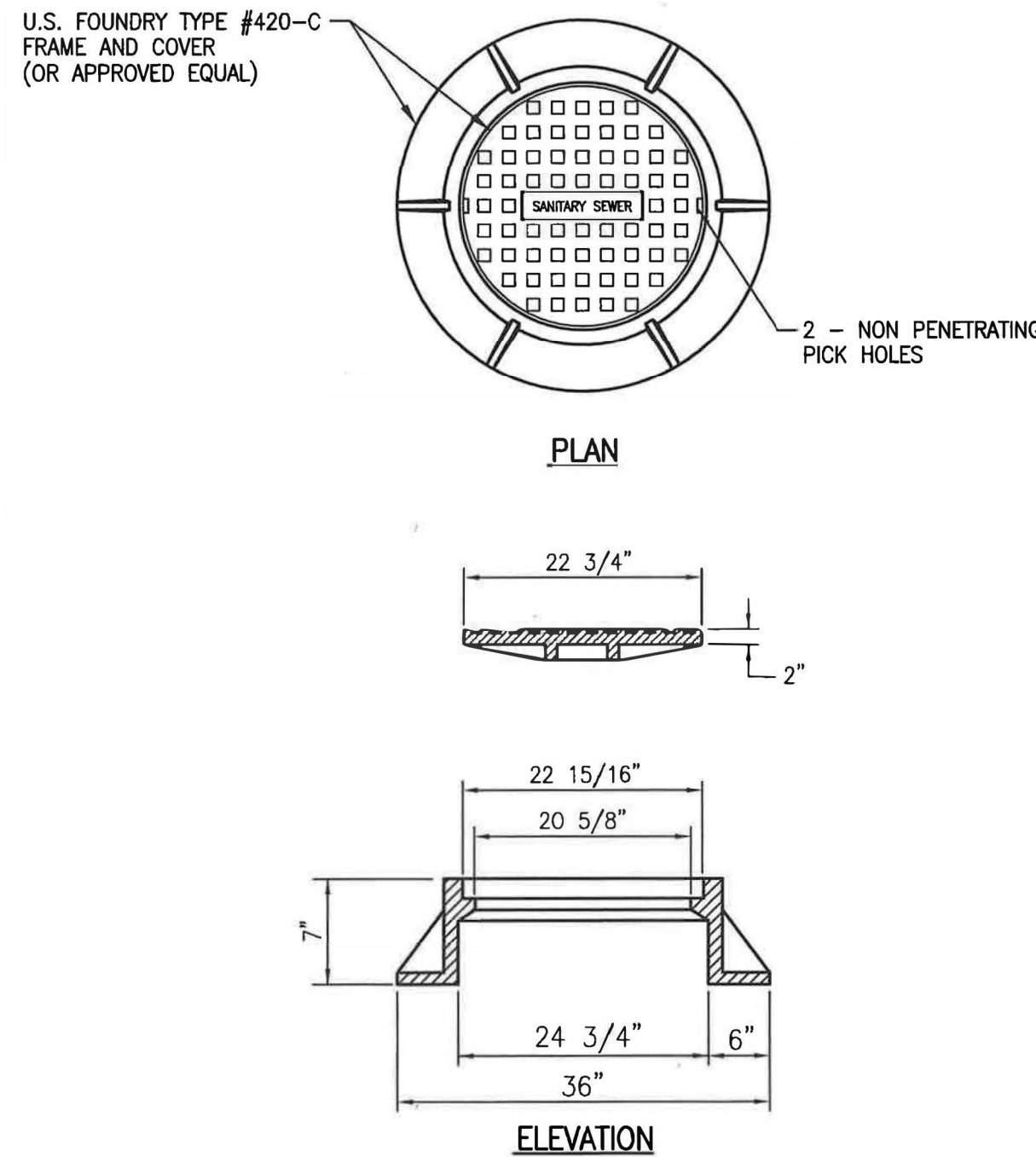
NOTE: THRUST BLOCK AREAS TO BE COMPUTED ON BASIS OF 1500 PSI FOR SO. FT. SOIL RESTRAINT BEARING. (1,500 MIN) SEE NOTE 5

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT				
THRUST BLOCK DETAIL				
Date	Revisions	Appr. by	Date: July 2000	Scale: N.T.S. Dwg: F107 Fig: 245

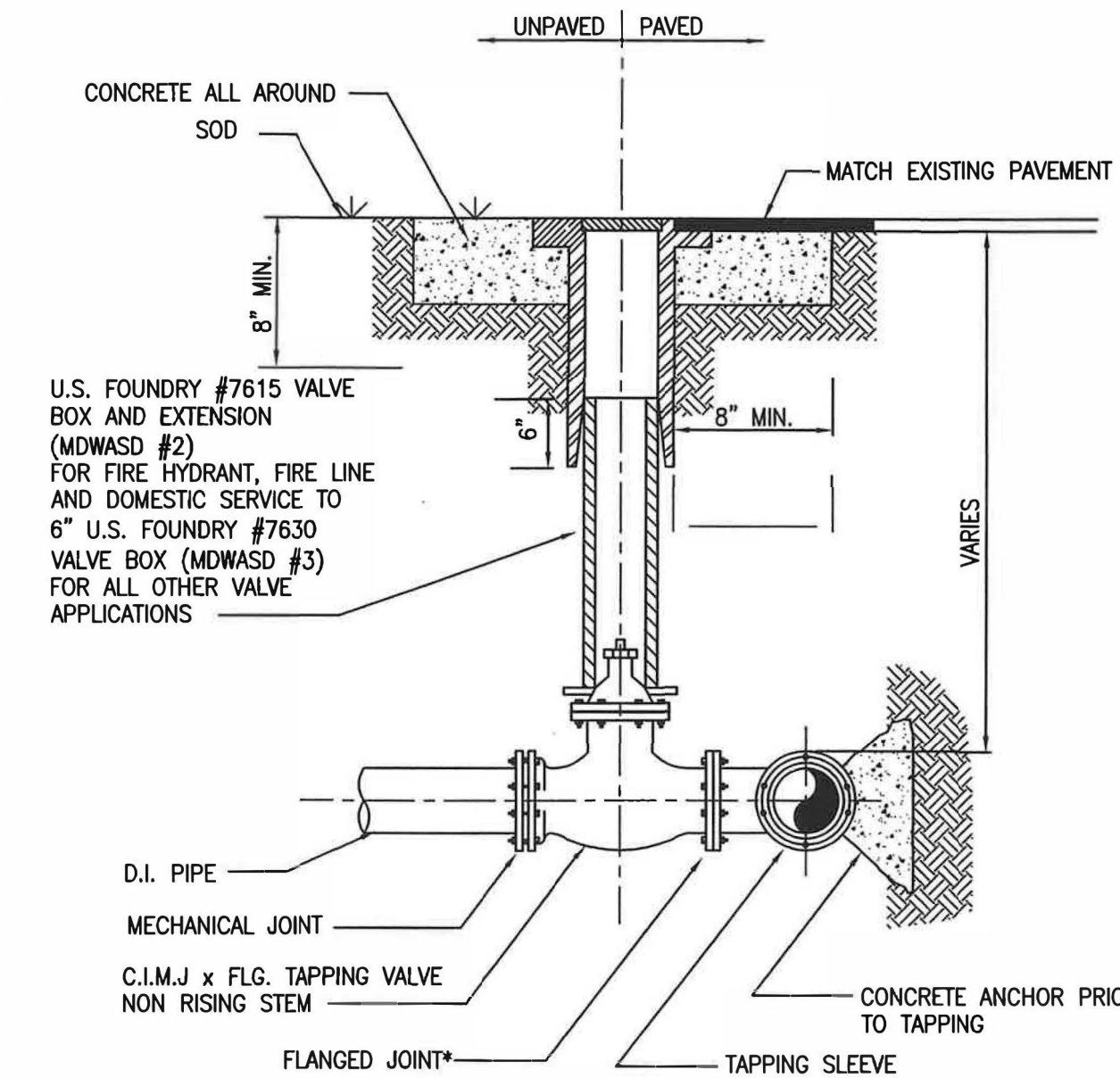


NOTES:
1. CLEAN-OUT SHALL BE 6-INCH, MINIMUM.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT				
TYPICAL CLEAN-OUT				
Date	Revisions	Appr. by	Date: Nov. 2000	Scale: N.T.S. Dwg: F305 Fig: 430



CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT				
SANITARY MANHOLE COVER				
Date	Revisions	Appr. by	Date: July 2000	Scale: N.T.S. Dwg: F203 Fig: 425



NOTES:
1. DUCTILE IRON M.J. TAPPING SLEEVES SHALL BE USED FOR C.I. OR D.I. PIPE, WHEN MAKING A FULL DIAMETER TAP. WHERE THE TAP IS LESS THAN THE DIAMETER OF THE EXISTING MAIN, A STAINLESS STEEL SLEEVE MAY BE USED.
2. TAP SLEEVE TO BE ROMAC STAINLESS STEEL STYLE (SST) OR JCM 432 FOR A.C. OR PLASTIC PIPE.
3. WHEN TAPPING INTO A FORCE MAIN, AFTER COMPLETION OF THE TAPPING OPERATION, A PLUG VALVE SHALL BE INSTALLED AFTER THE TAPPING VALVE.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT				
TYPICAL TAPPING VALVE SETTING (16" AND SMALLER)				
Date	Revisions	Appr. by	Date: Nov. 2000	Scale: N.T.S. Dwg: F310 Fig: 264

NOTE: FOR ALL STANDARD DETAILS, SEE CITY OF FERNANDINA BEACH UTILITIES STANDARDS SPECIFICATIONS AND DETAILS, LATEST REVISIONS.

PLANS PREPARED UNDER THE DIRECTION OF:

REVISIONS:

ETM NO. 17-252-37

DRAWN BY: M. Farjhan

DESIGNED BY: S. Lockwood

CHECKED BY: S. Lockwood

DATE: APRIL 2024

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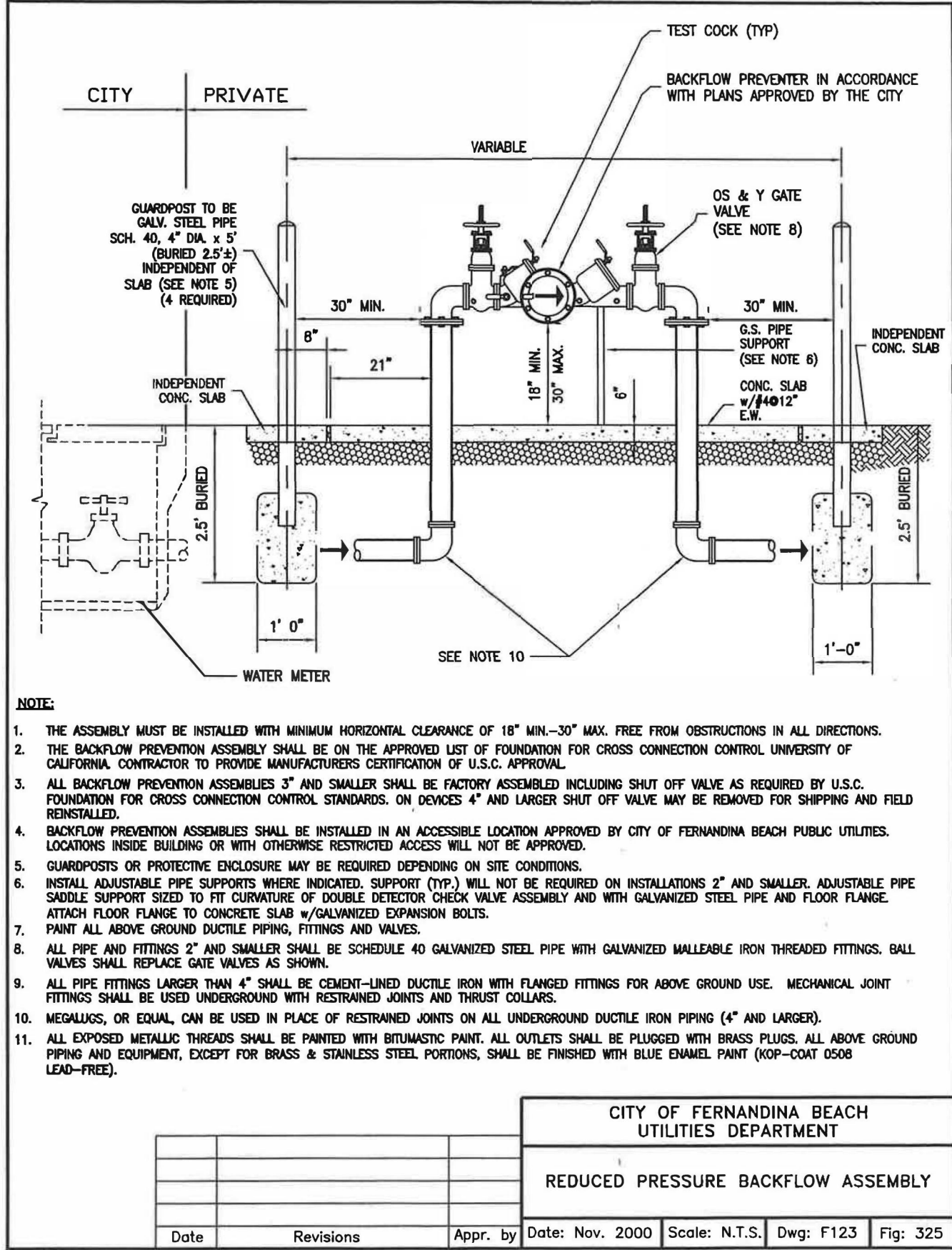
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WATER AND SEWAGE DETAILS

**BAPTIST PRIMARY HEALTH LIME STREET
FOR
PAVILION HEALTH SERVICES INC.**

DRAWING NUMBER

9B



GENERAL NOTES & SPECIFICATIONS FOR WATER MAIN INSTALLATIONS

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NOTES

- A horizontal distance of 10 feet shall be maintained between water and sewer mains. When a 10 foot horizontal distance criteria cannot be met due to an existing underground facility conflict, the sewer shall be constructed of ductile iron pipe with mechanical joints.
- A vertical distance of at least 18 inches shall be maintained between any water and sewer mains. The sewer shall be ductile iron single 20 feet length centered on the crossing if the minimum vertical distance is less than 18 inches or the sewer is installed above the water main regardless of separation.
- In highly congested areas, where either water or sewer facilities are existing and the separation requirements cannot be met, special consideration may be given subject to a complete evaluation of existing and proposed conditions.
- The contractor shall verify nature, depth, character of existing underground utilities prior to start of construction.

NOTE: WHEN WATER CROSSES SEWER

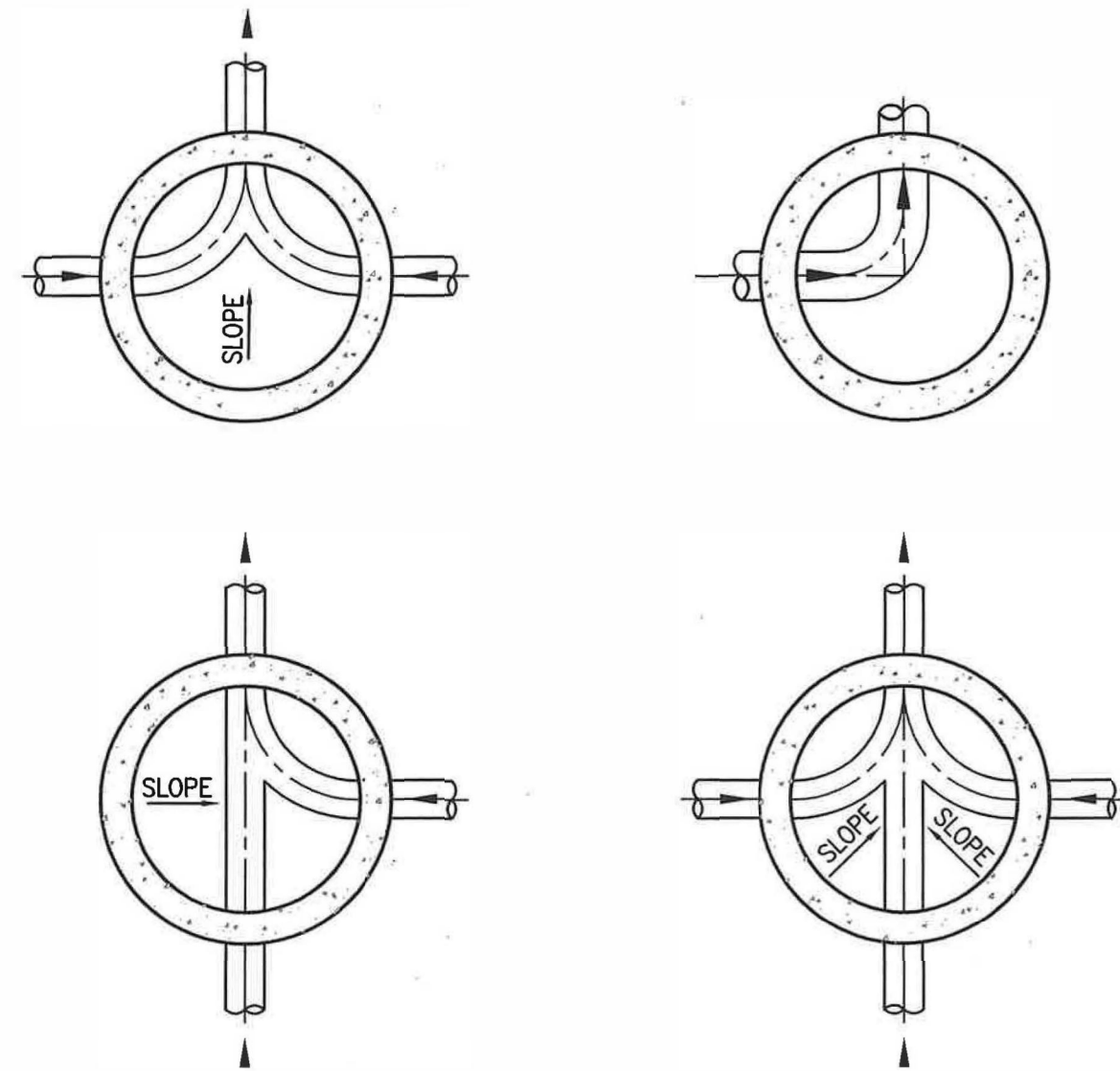
- Force mains must have an 18-inch vertical separation from water lines. No exceptions.
- Sewer lines, including laterals, must have 18 inch vertical clearance between water mains and/or 6 inches minimum clearance if sewer line is DIP and has no joints within 10 feet of intersection (i.e. one 20 ft. joint DIP centered on intersection). Storm drainage lines are exempt if DIP water main separation of 6" is maintained and both pipes have no joints within 10 feet of intersection.

TRENCH PROTECTION

Trench excavation protection shall be accomplished as required by the provisions of Part 1926, Subpart P, Excavations, Trenching and Shoring of the Occupational Safety and Health Administrations Standards and Interpretations.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT

POTABLE WATER MAINS GENERAL NOTES



NOTES:

- INVERT CHANNELS TO BE CONSTRUCTED FOR SMOOTH FLOW WITH NO OBSTRUCTIONS.
- SPILLWAYS SHALL BE CONSTRUCTED BETWEEN PIPES WITH DIFFERENT INVERT ELEVATIONS PROVIDING FOR SMOOTH FLOWS.
- CHANNELS TO BE FORMED IN ALL MANHOLES TO ACCEPT T.V. CAMERA.
- WHEN DIRECTIONAL CHANNELS EXCEEDING 45-DEGREES OCCUR, AN EXTRA FLOW LINE ELEVATION DROP OF 0.10-FT ACROSS THE MANHOLE SHALL BE PROVIDED.
- CHANNELS FOR FUTURE CONNECTIONS (STUBS) SHALL BE CONSTRUCTED, FILLED WITH SAND AND COVERED WITH 1" OF MORTAR.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT

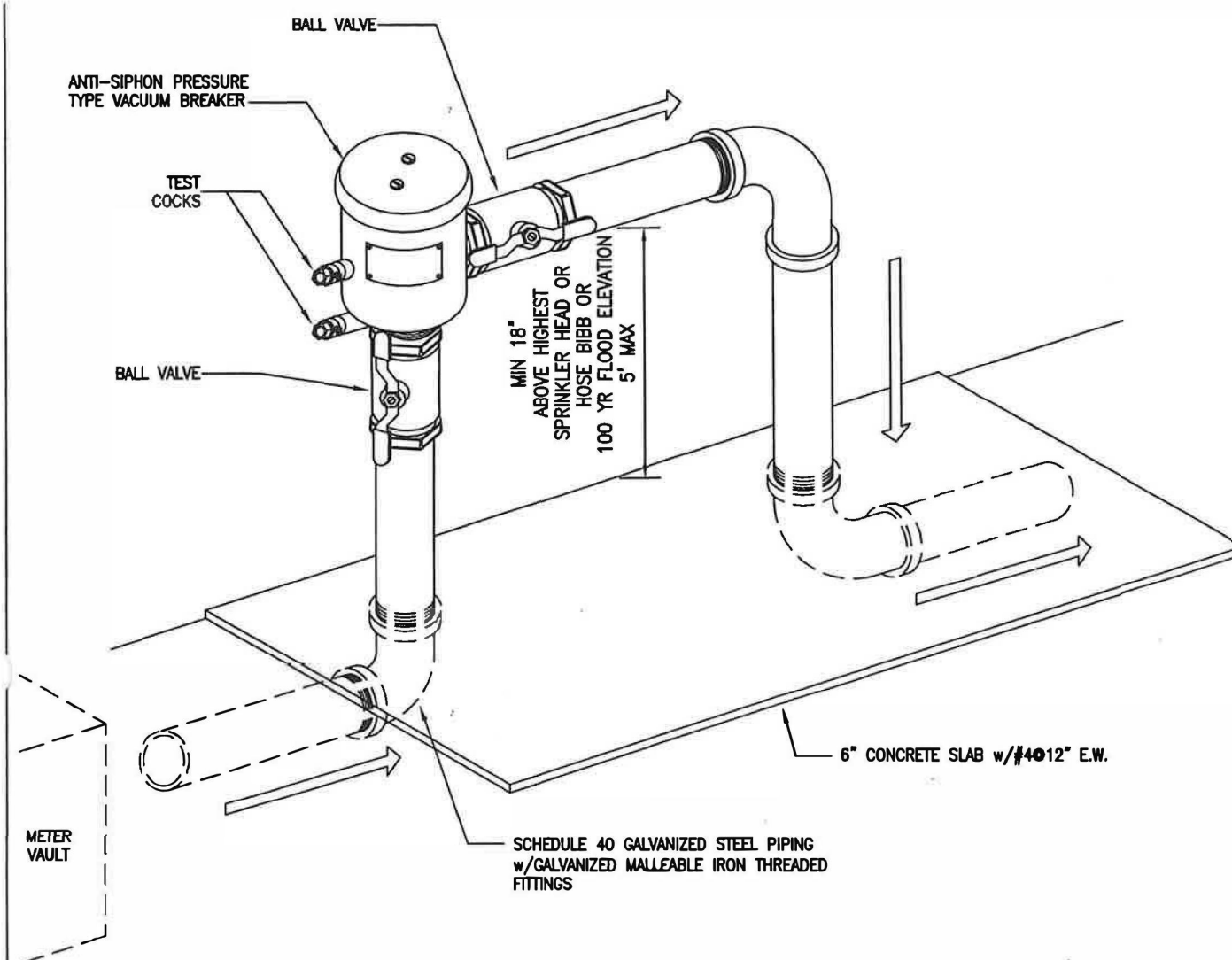
MANHOLE FLOW CHANNEL DETAIL

	MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *								
	PIPE SIZE								
	6"	8"	10"	12"	16"	20"	24"	30"	36"
90° BEND	23	30	36	42	53	63	73	86	97
45° BEND	10	12	15	17	22	26	30	36	40
22-1/2° BEND	5	6	7	8	11	26	30	36	19
11-1/4° BEND	2	3	4	4	5	6	7	8	10
PLUG, BRANCH OF TEE OR DEAD END	23	30	36	42	53	63	73	86	97

NOTES:

- FITTINGS SHALL BE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
- INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN SHOWN IN THE TABLE.
- WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
- LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, WITH THE FOLLOWING ASSUMPTIONS:
WORKING PRESSURE: 150 P.S.I.*
SOIL CONDITIONS: SAND / SILT
MINIMUM COVER: 3 FT. *
ENGINEER OF RECORD SHALL CONFIRM ACTUAL LAYING CONDITIONS AND INCREASE RESTRAINED LENGTHS AS REQUIRED.
- FOR PIPE ENCASED IN POLYETHYLENE, INCREASE THE GIVEN VALUE BY A FACTOR 1.5.
- ALL FITTINGS AND PIPE JOINTS 6" OR SMALLER MAY BE RESTRAINED USING THRUST BLOCKS. ALL OTHERS MUST BE RESTRAINED AS FOLLOWS:

JOINT	RESTRAINT
PUSH-ON PVC	EBAA IRON SERIES 2800 HARNESS
PUSH-ON DIP	TR-FLEX BY U.S. PIPE OR FLEX RING BY AMERICAN
FITTINGS WITH DIP	EBAA IRON SERIES 1100 MEGALUG
FITTINGS WITH PVC	EBAA IRON SERIES 2000 MEGALUG



NOTE:

- THE ASSEMBLY MUST BE INSTALLED WITH MINIMUM HORIZONTAL CLEARANCE OF 30" FREE FROM OBSTRUCTION IN ALL DIRECTIONS AND SHALL BE ACCESSIBLE TO THE CITY AT ALL TIMES.
- THE BACKFLOW PREVENTION ASSEMBLY SHALL BE ON THE APPROVED LIST OF FOUNDATION FOR CROSS CONNECTION CONTROL, UNIVERSITY OF SOUTHERN CALIFORNIA. CONTRACTOR TO PROVIDE MANUFACTURERS CERTIFICATION OF U.S.C. APPROVAL.
- GUARDPOST OR PROTECTIVE ENCLOSURE MAY BE REQUIRED DEPENDING ON SITE CONDITIONS.
- ALL EXPOSED METALLIC THREADS SHALL BE COATED.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT

PRESSURE VACUUM BREAKER IRRIGATION SYSTEM ONLY

GENERAL NOTES & SPECIFICATIONS FOR WATER MAIN INSTALLATIONS

- All materials and construction under this project shall be in strict accordance with the requirements of the City of Fernandina Beach Utilities Department (FBU) and/or Nassau County Public Works Department (NCPWD) and/or the Florida Department of Transportation (FDOT) and shall conform to the standards and specifications available and on file with the department. As a minimum requirement, the standards of the AWWA shall apply.
- Minimum cover over water mains shall be 3'-0" unless specific written exception is issued or required by an authorized representative of FBU.
- Detector tape shall be installed 18" above the centerline of water mains and services.
- All water main line valves shall be installed complete with 10' riser pipes and No. 3 valve boxes. Fire hydrants and service valves shall be installed complete with 6' riser pipes and No. 2 valve boxes.
- All water meters up to 2" will be installed by department personnel providing the appropriate charges have been pre-paid. Provision of service pipes, backflow preventers, valves and meter or pits will be in accordance with construction plans and specifications approved by FBU.
- Fire hydrant requirements (number and location) shall be as required by the Fire Department or the appropriate fire agency with installations in accordance with FBU standards.
- Contractor MUST call the FBU Inspection Division and all other applicable permitting agencies to arrange for a Pre-Construction Meeting at least 72 hours prior to proposed start of construction.
- FBU personnel will inspect all facilities approved by the Engineering Department. All other requirements of the permitting agency shall be in accordance with their standards and requirements.
- Work performed under this project will not be considered as complete until final acceptance of the system by the department and until the following documents are received and approved by FBU:
 - Easements, if required (whether by deed or plat suitably recorded)
 - Contractor's Waiver and Release of Lien
 - Absolute Bill of Sale
 - Contractor's Letter of Warranty (i.e. Letter Agreement)
 - Contractor's Maintenance Bond (for 1 year)
 - As-Built 3 ml mylar 24" x 36" showing specific locations, depths, etc. of all water facilities as located by a licensed surveyor, along with two (2) prints of the "As-Built" which have been signed and sealed by a registered surveyor or Engineer of record and endorsed by the Contractor in accordance with FBU standards.
- All new connections from existing FBU mains to be inspected by FBU forces prior to backfill.
- The Contractor shall be responsible for verifying all locations, dimensions, elevations and the locations of all underground structures and utilities prior to the start of construction. The locations shown on the plans are not guaranteed accurate or correct by the known utility companies.
- Thrust blocks shall be provided at all bends, tees, and plugs in accordance with FBU standard details.
- All new fittings at reaction points shall be fitted with megalug retainer glands or approved equal, meeting FBU requirements. All valves are to be restrained with retainer glands.
- Pipe installation, cleaning, flushing, testing, and disinfecting, as per FBU and State of Florida Department of Health and Rehabilitative Services Standards for the installation of water mains by customer donation projects.
- Preliminary cleaning of all water mains 12" and larger to be accomplished by use of a poly-pig per FBU standards.
- The Contractor is responsible for the cost of inspections for any construction activities occurring outside normal working hours (8:00 a.m. to 5:00 p.m.) Saturdays and Sundays and holidays excluded and arrangements for inspections outside normal working hours must be made a minimum of 48 hours in advance of the construction activity.
- All trenches to be over-excavated a minimum of 6" to provide for installation of rock bedding in accordance with FBU Standards.
- Surface restoration, pavement replacement, sidewalk replacement, trench backfilling and compaction shall comply with the applicable current FBU, NCPWD and FDOT Standards.
- All gate valves to be resilient seat per AWWA-C509.
- Where field conditions require, as determined by FBU, the water main shall be polyethylene encased in accordance with AWWA-C105.
- The Contractor shall be responsible for providing FBU with HRS Letter of Clearance to Place a Public Drinking Water Facility Into Service. The Engineer of record shall provide FBU with a signed and sealed pressure test report certifying pressure test results.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT

POTABLE WATER MAINS GENERAL NOTES

NOTE: FOR ALL STANDARD DETAILS, SEE CITY OF FERNANDINA BEACH UTILITIES STANDARDS SPECIFICATIONS AND DETAILS, LATEST REVISIONS.

WATER AND SEWAGE DETAILS

BAPTIST PRIMARY HEALTH LIME STREET
FOR
PAVILION HEALTH SERVICES INC.

DRAWING NUMBER

9D

REVISIONS:

ETM NO. 17-252-37

DRAWN BY: M. Farolan

DESIGNED BY: S. Lockwood

CHECKED BY: S. Lockwood

DATE: APRIL 2024

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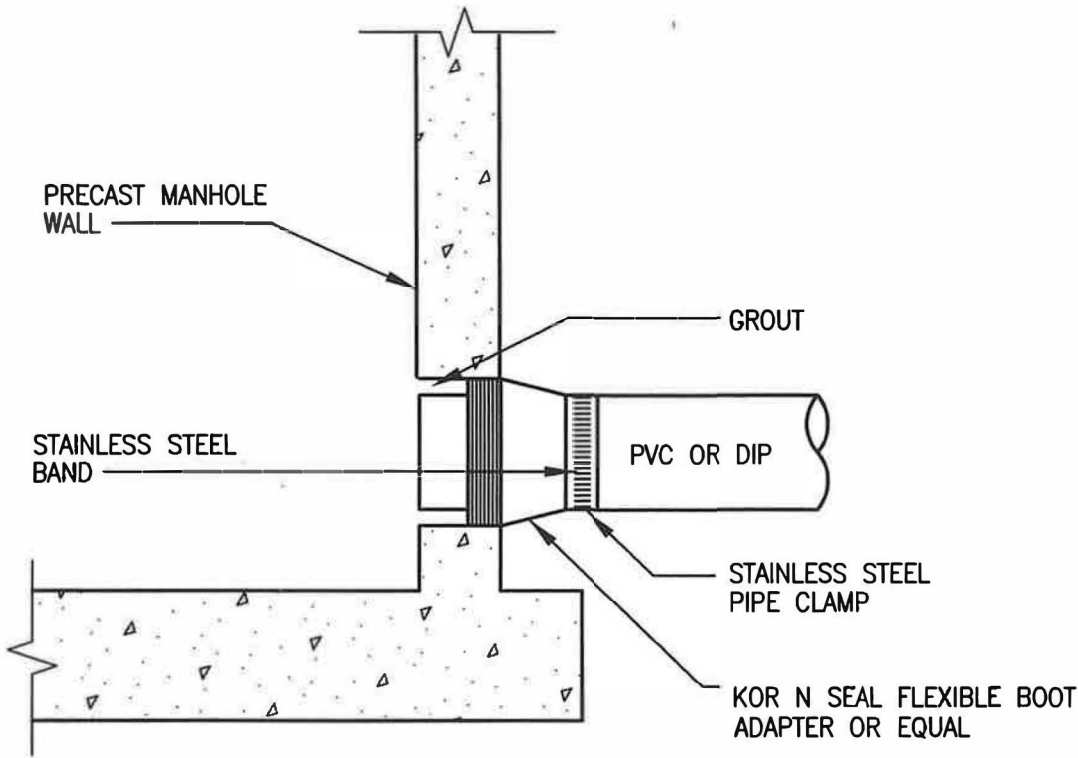
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T:\2017\17-252-37 Lime Street\LandDev\Design\Plots We-Dets-17-252-37.dwg

PLOTTED: July 24, 2024 - 4:28 PM, BY: Mark Farolan

PLANS PREPARED UNDER THE
DIRECTION OF:

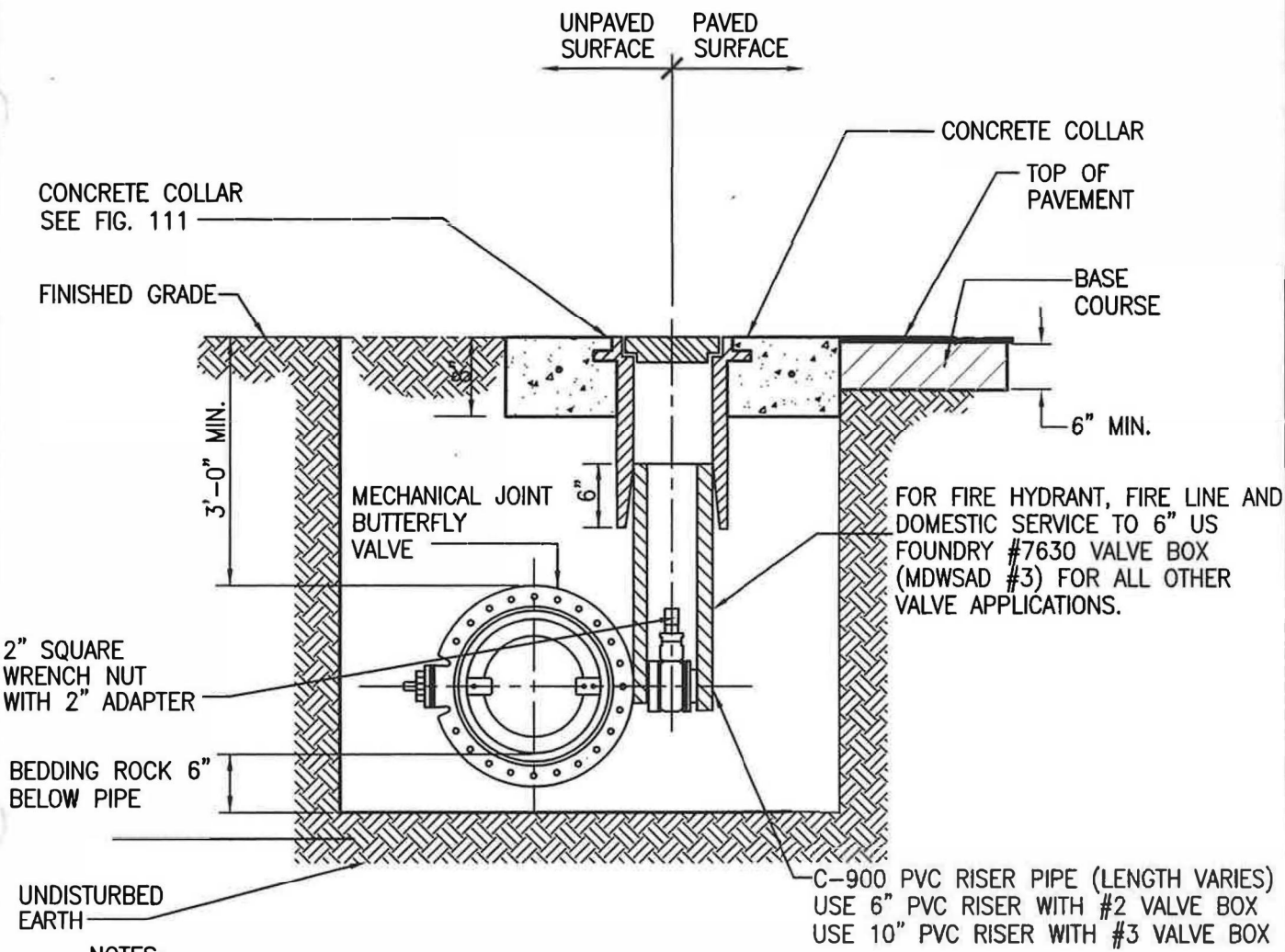
SCOTT JORDAN LOCKWOOD
P.E. NUMBER: 68426



STANDARD PRECAST MANHOLE
PIPE CONNECTION

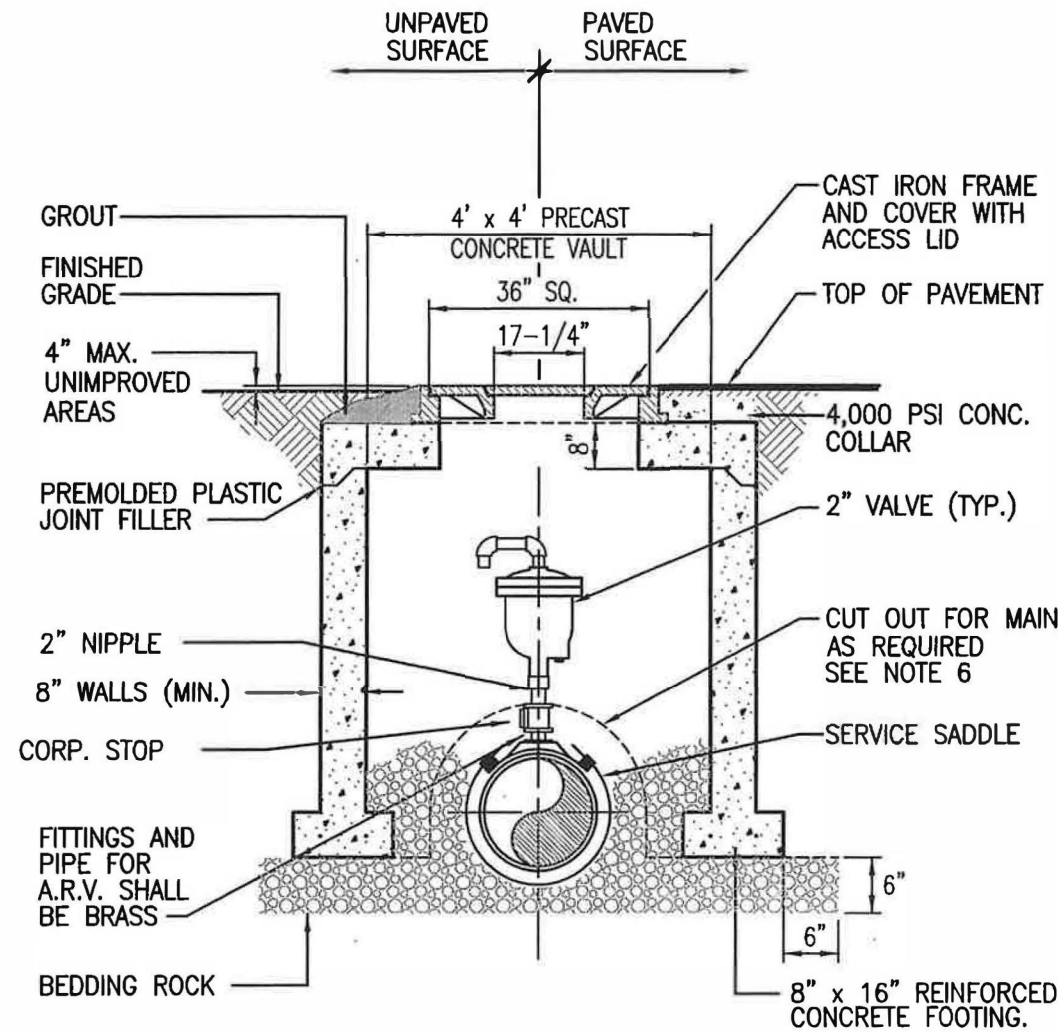
- NOTES:
1. THE CITY MAY APPROVE ALTERNATE WATER TIGHT CONNECTION DETAILS FOR CONNECTION OF 24" DIAMETER PIPES AND LARGER.
 2. AN OUTSIDE DROP CONNECTION SHALL BE REQUIRED FOR ALL INFLUENT PIPES WHICH HAVE AN INVERT 2' OR MORE ABOVE THE MANHOLE BOTTOM.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT					
MANHOLE CONNECTION DETAIL (WITH BUILT-IN RUBBER BOOT)					
Date	Revisions	Appr. by	Date: July 2000	Scale: N.T.S.	Dwg: F201 Fig: 410



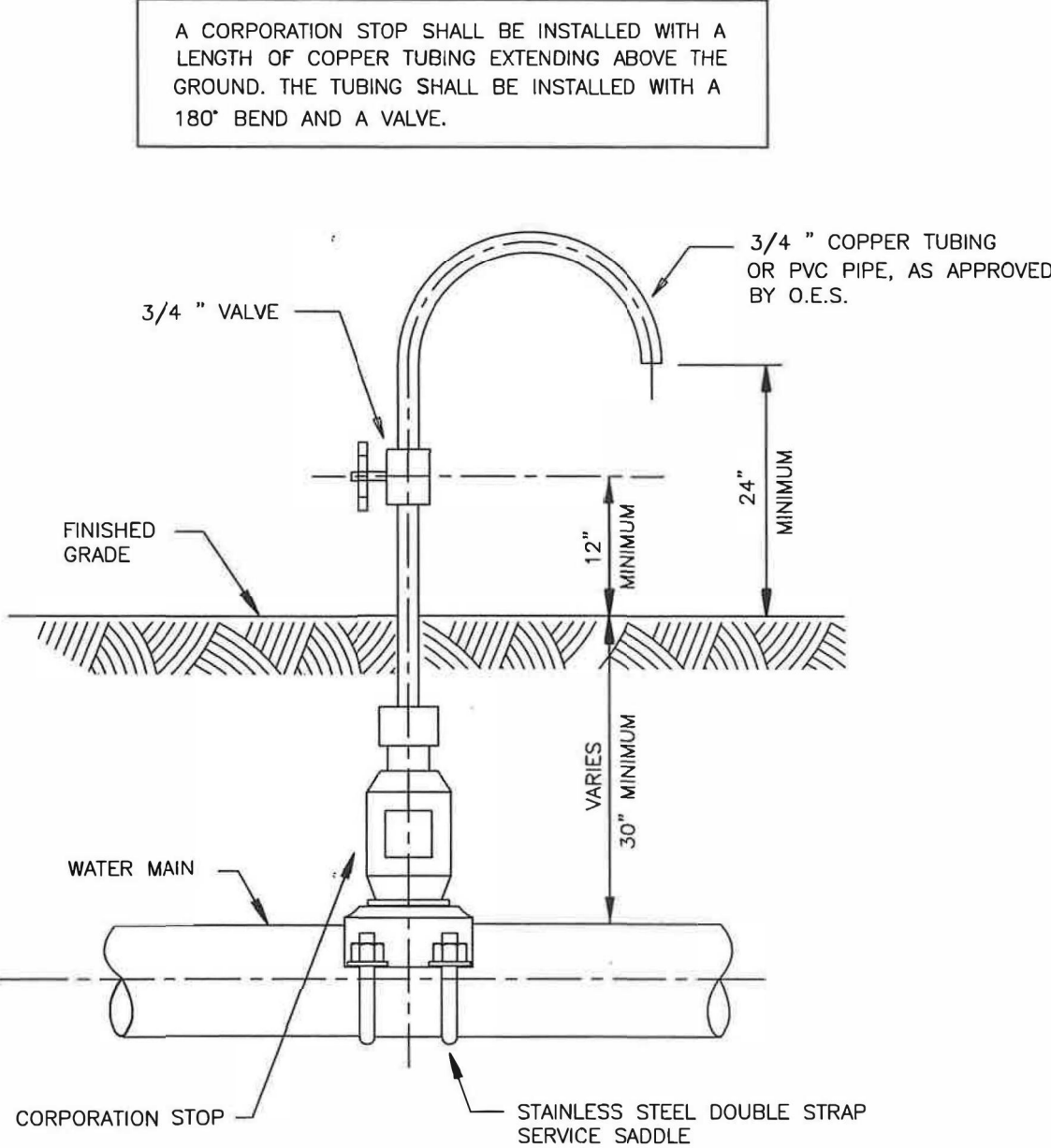
- NOTES:
1. WHEN WATER VALVE IS NOT LOCATED IN PAVEMENT, PLACE A WHITE PAVEMENT REFLECTOR MARKER IN THE DRIVE LANE, ADJACENT TO THE VALVE.
 2. OPERATOR EXTENSION SHAFT SHALL BE PROVIDED WHEN OPERATING NUT IS MORE THAN 48" BELOW TOP OF VALVE BOX, OR AS REQUIRED BY THE CITY.
 3. VALVE MANUFACTURER, TYPE, SIZE, CLASS AND NUMBER OF TURNS SHALL BE STAMPED INTO TOP OF CENTERING PLATE IN LETTERS AND NUMERALS NOT LESS THAN 3/8" HIGH.
 4. ALL VALVES TO BE RESTRAINED WITH MEGALUG RETAINER CLASPS OR APPROVED EQUAL.
 5. ALL B.F.V. SHALL CONFORM TO A.N.S.I./A.W.W.A. C-504 CLASS 150-B STANDARDS.
 6. B.F.V. SHALL HAVE A MECHANICALLY RETAINED BODY SEAT.
 7. B.F.V. NUT TO BE ON NORTH OR WEST SIDE OF MAIN WHEREVER POSSIBLE.
 8. B.F.V. SHALL BE USED ON WATER MAINS 12-INCH AND LARGER.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT					
BUTTERFLY VALVE AND BOX DETAIL					
Date	Revisions	Appr. by	Date: July 2000	Scale: N.T.S.	Dwg: F116 Fig: 310



- NOTES:
1. ABOVE DETAIL IS BASED ON 2" COMBINATION AIR/VACUUM RELEASE VALVE, CHANGE PIPE AND FITTINGS ACCORDINGLY FOR OTHER VALVE SIZES AND TYPES. VALVE SIZES TO BE DETERMINED BY THE ENGINEER AND APPROVED BY THE CITY PRIOR TO INSTALLATION.
 2. THE MINIMUM DIMENSION FROM TOP OF PIPE TO FINISHED GRADE SHALL BE 4.0 FEET.
 3. ARV VAULT WALLS TO BE COATED INSIDE AND OUTSIDE WITH 16 MIL. THK. APPROVED COATING.
 4. LIFT HOLES ARE TO BE SEALED WITH MORTAR INSIDE AND OUTSIDE AFTER INSTALLATION. ALL OPENINGS SHALL BE SEALED WITH WATERPROOF, EXPANDING GROUT.
 5. VALVES TO BE EQUIPPED WITH THREADED VENT PIPE THAT DIRECTS VENT DOWNWARD.
 6. VAULT SHALL NOT REST ON PIPE. ALLOW 9" MIN. SEPARATION.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT					
AIR RELEASE VALVE DETAIL					
Date	Revisions	Appr. by	Date: July 2000	Scale: N.T.S.	Dwg: F306 Fig: 315



- NOTES:
1. SAMPLING POINTS SHALL BE LOCATED AND LATER REMOVED AS REQUIRED BY MIAMI-DADE COUNTY HEALTH DEPARTMENT.
 2. CORPORATION STOP SHALL BE REMOVED AND SADDLE PLUGGED WITH A BRASS FITTING.

CITY OF FERNANDINA BEACH UTILITIES DEPARTMENT					
BACTERIOLOGICAL DETAIL					
Date	Revisions	Appr. by	Date: July 2000	Scale: N.T.S.	Dwg: F106 Fig: 380

NOTE: FOR ALL STANDARD
DETAILS, SEE CITY OF
FERNANDINA BEACH UTILITIES
STANDARDS SPECIFICATIONS AND
DETAILS, LATEST REVISIONS.

PLANS PREPARED UNDER THE
DIRECTION OF:

REVISIONS:

ETM NO. 17-252-37

DRAWN BY: M. Farolan

DESIGNED BY: S. Lockwood

CHECKED BY: S. Lockwood

DATE: APRIL 2024

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WATER AND SEWAGE DETAILS

BAPTIST PRIMARY HEALTH LIME STREET
FOR
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DRAWING NUMBER
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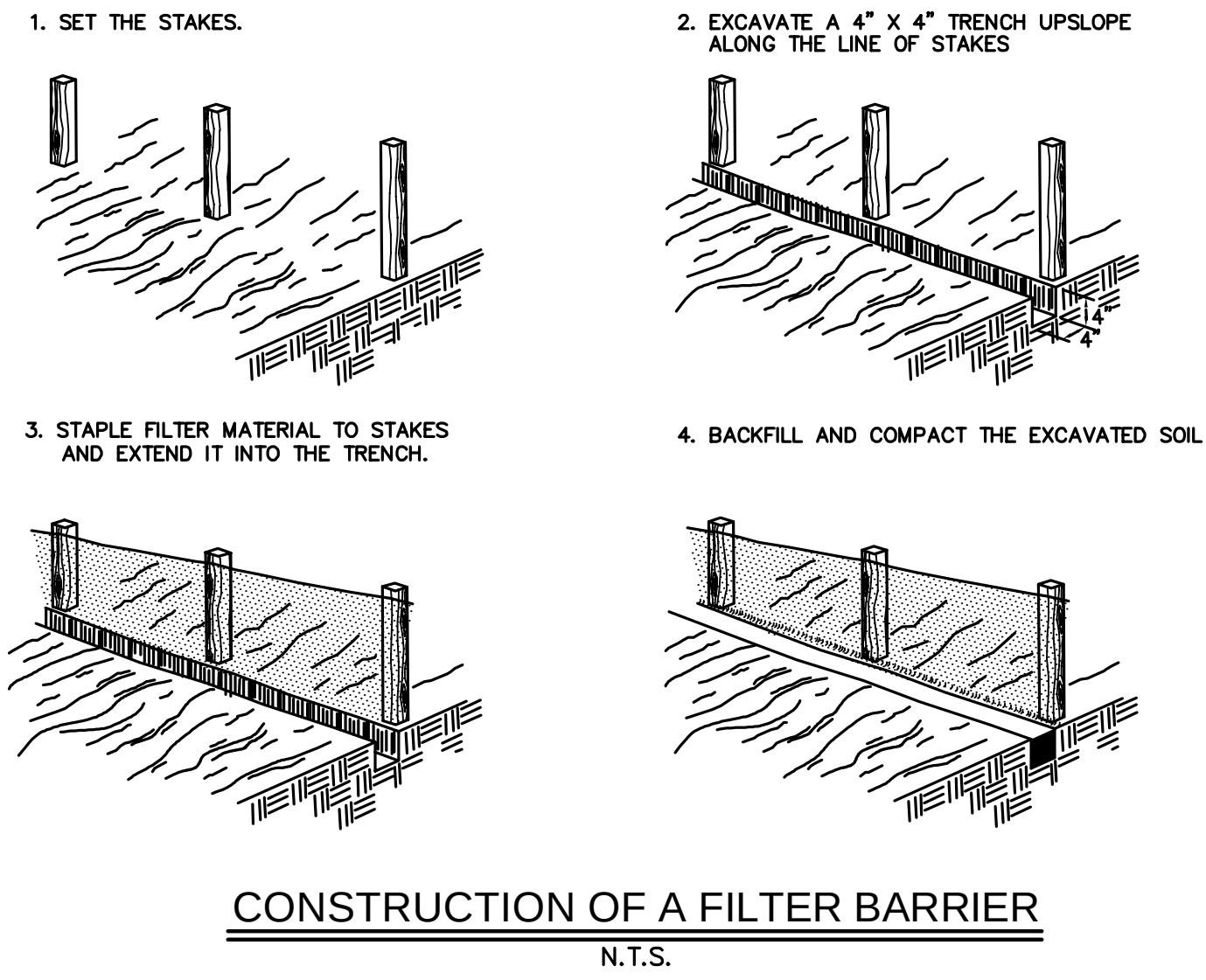
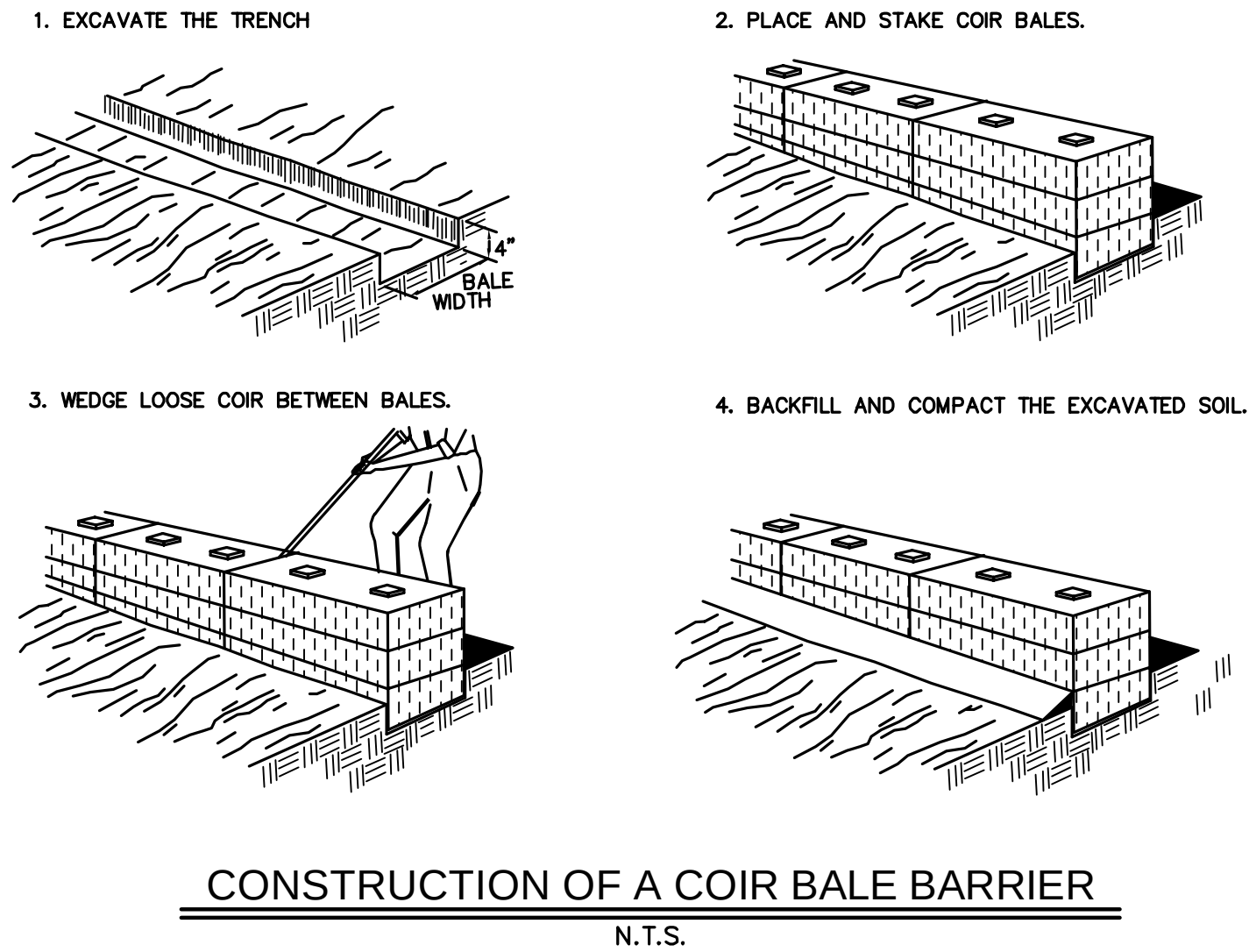
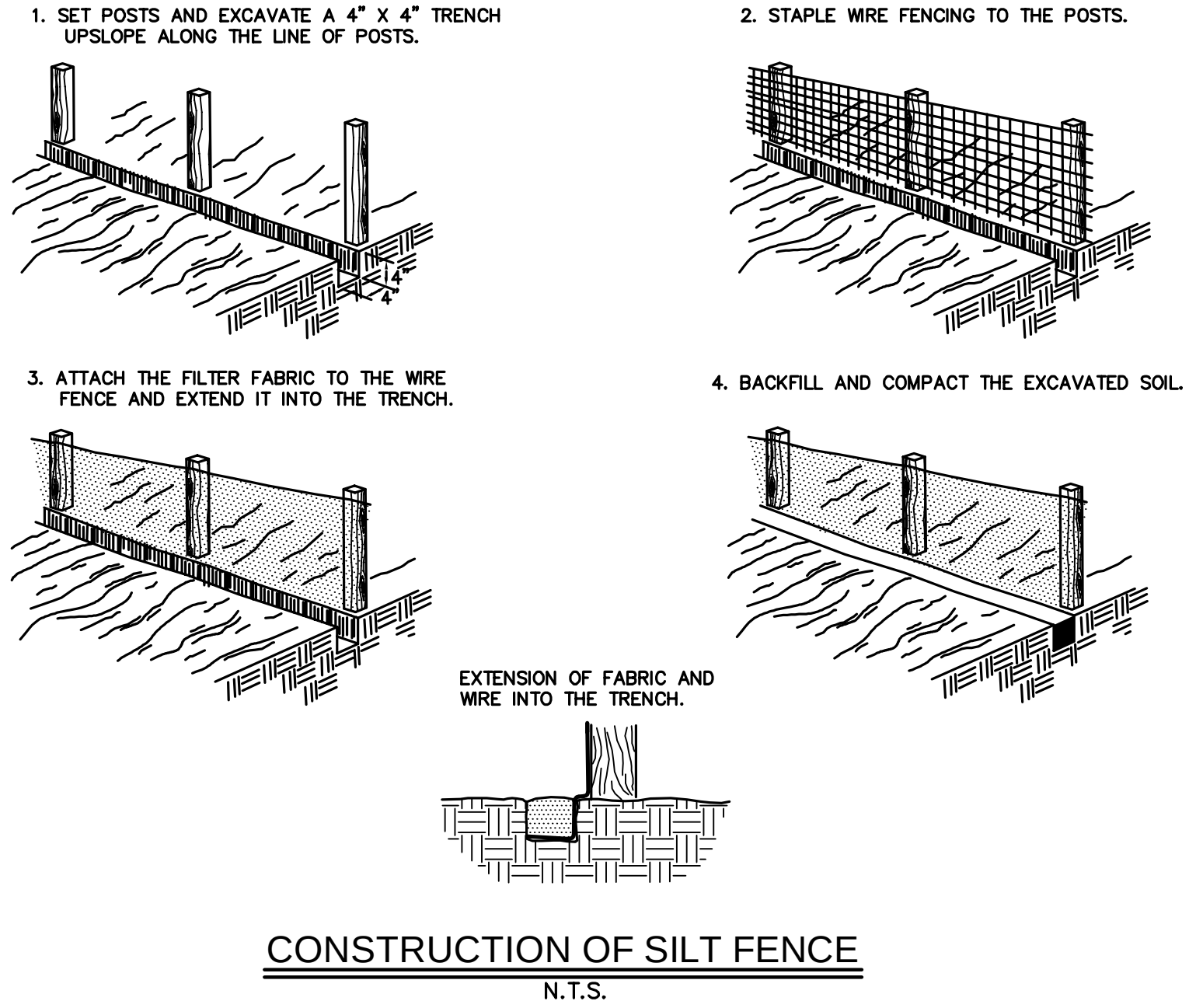
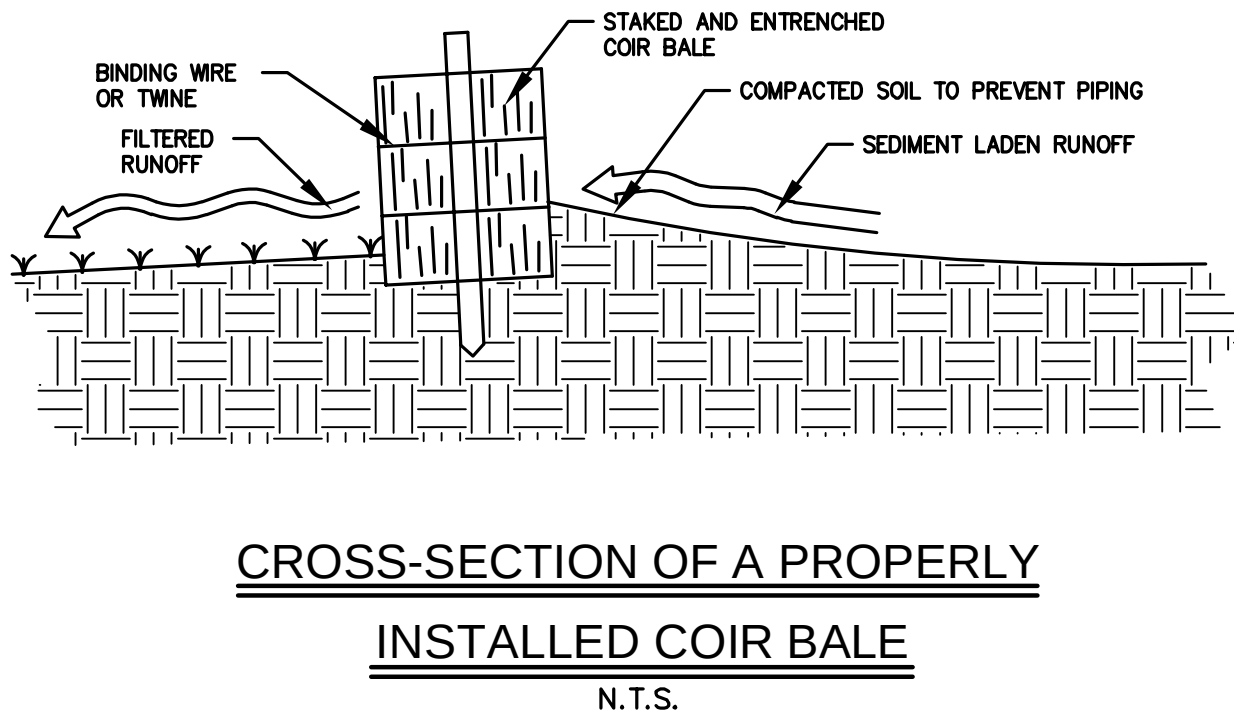
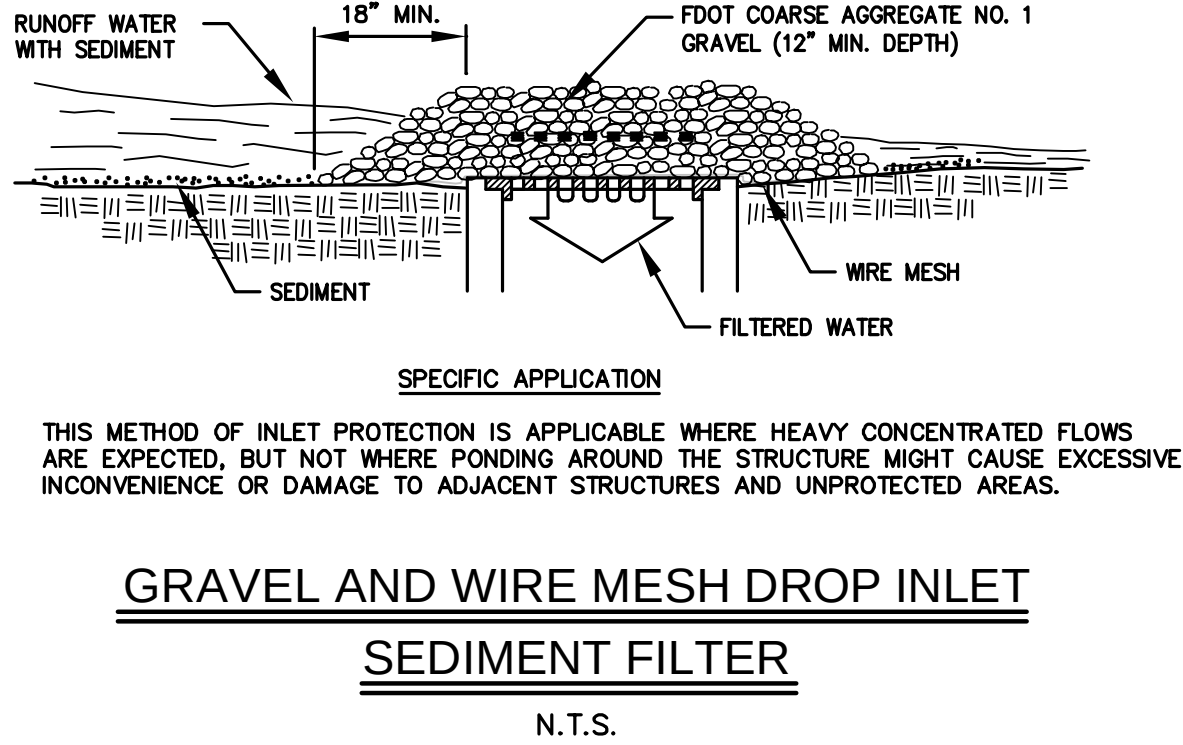
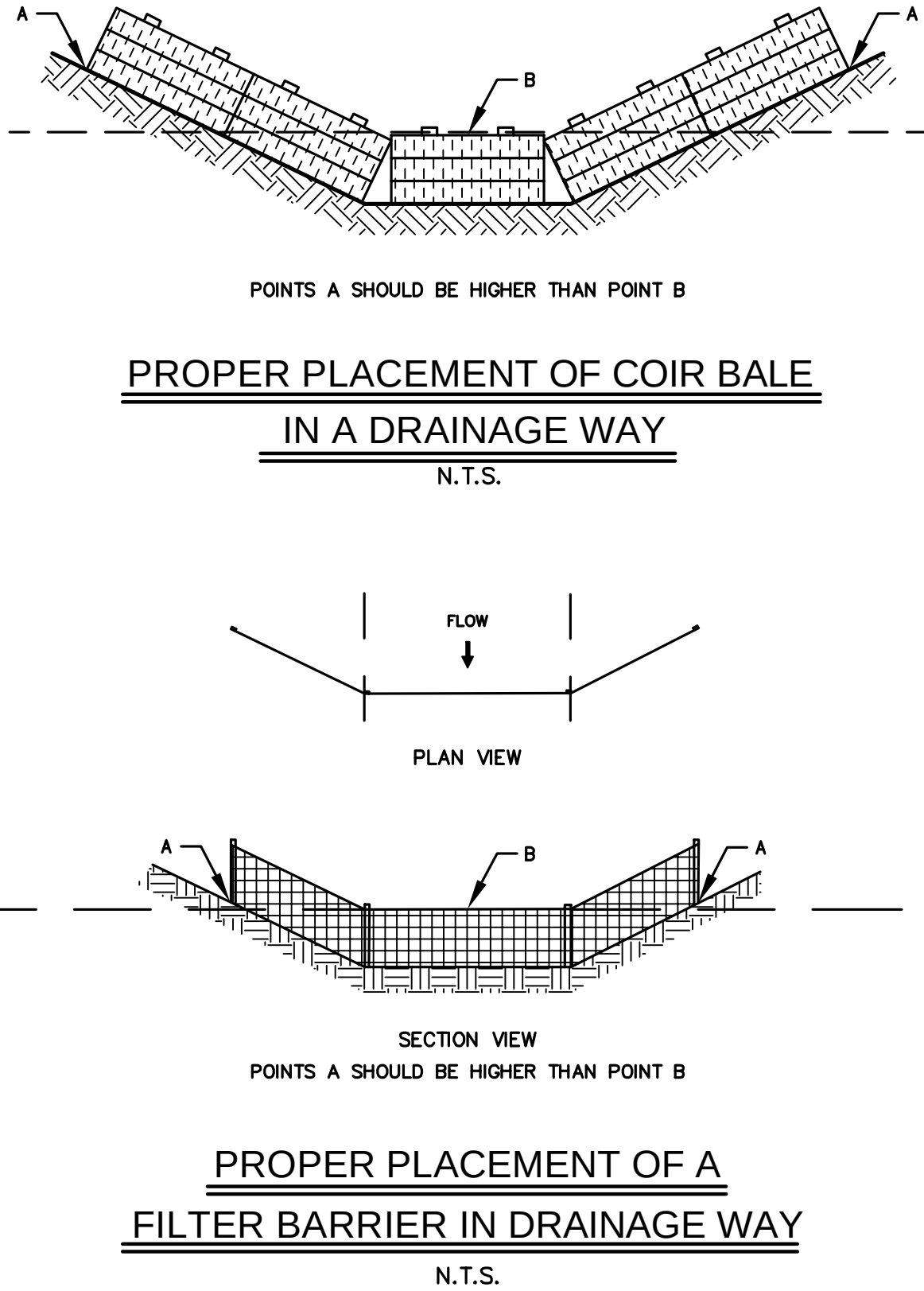
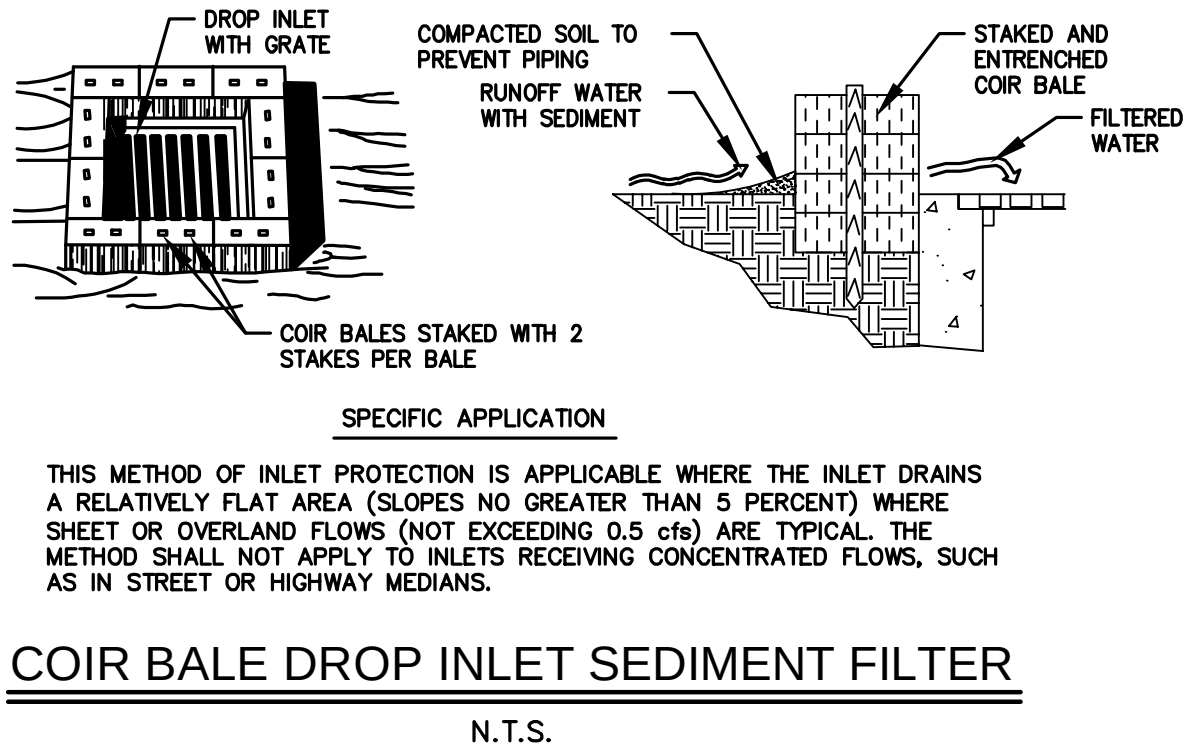
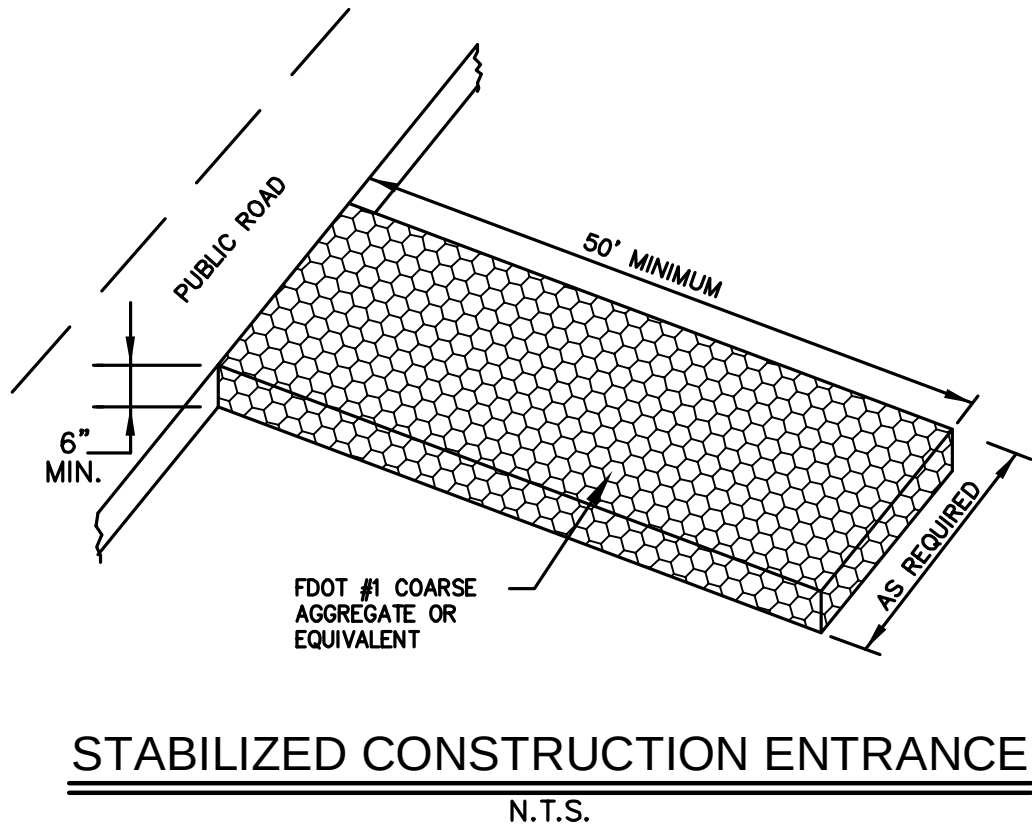
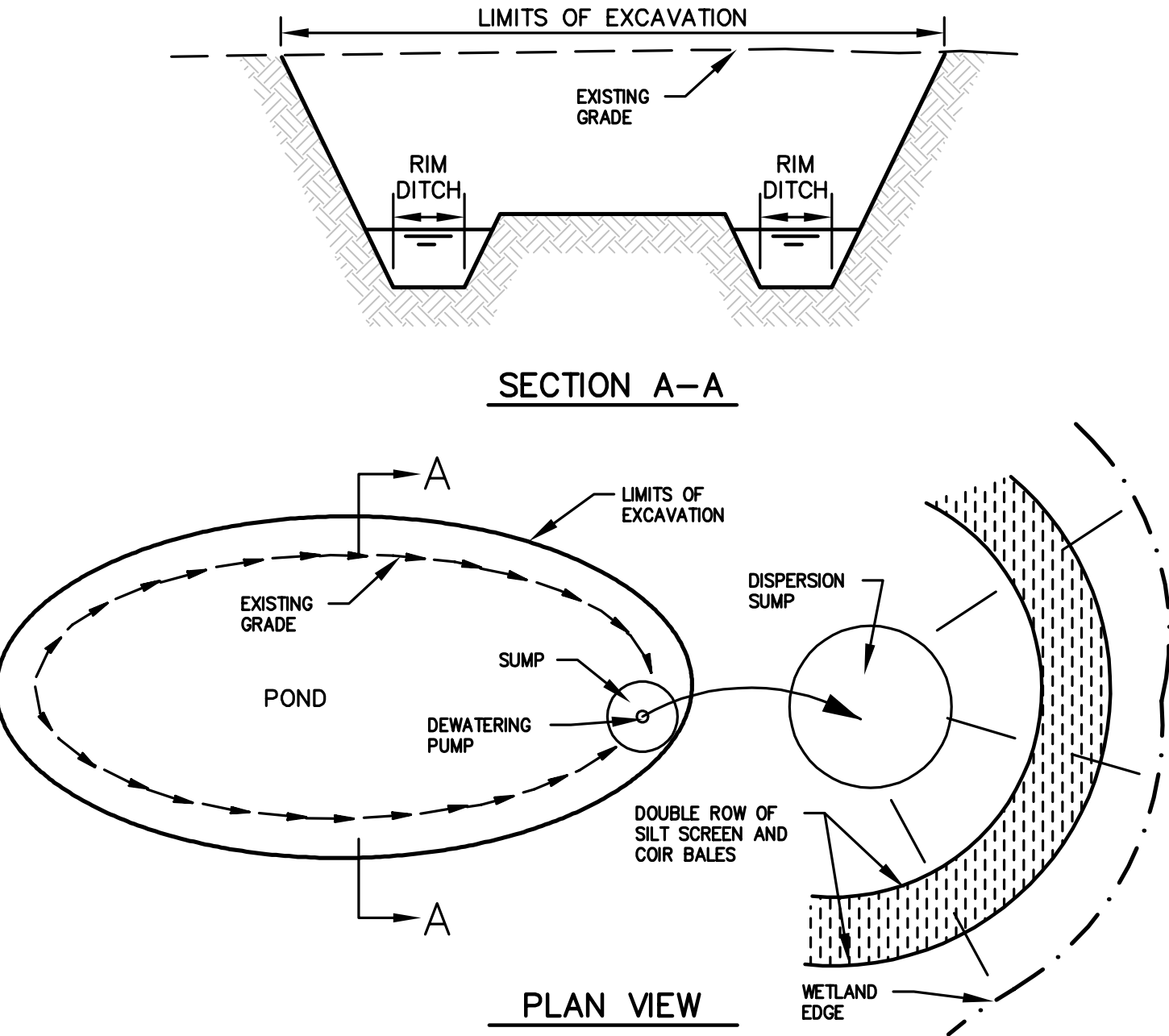


SEDIMENT AND EROSION CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON-SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
3. ADDITIONAL PROTECTION - ON-SITE PROTECTION IN ADDITION TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNSEEN CONDITIONS OR ACCIDENTS.
4. CONTRACTOR SHALL ENSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.
5. WIRE MESH SHALL BE LAID OVER THE DROP INLET SO THAT THE WIRE EXTENDS A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENINGS SHALL BE USED. IF MORE THAN ONE STRIP OF MESH IS REQUIRED, THE STRIPS SHALL BE OVERLAPPED.
6. FDOT NO. 1 COARSE AGGREGATE SHALL BE PLACED OVER THE WIRE MESH AS INDICATED ON SEDIMENT FILTER DETAIL (SEE DETAIL THIS SHEET). THE DEPTH OF STONE SHALL BE AT LEAST 12 INCHES OVER THE ENTIRE INLET OPENING. THE STONE SHALL EXTEND BEYOND THE INLET OPENING AT LEAST 18 INCHES ON ALL SIDES.
7. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONES MUST BE PULLED AWAY FROM THE INLET, CLEANED AND REPLACED.
8. BALES SHALL BE EITHER WIRE-BOUND OR STRING-TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
9. BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW SURROUNDING THE INLET, WITH THE ENDS OF ADJACENT BALES PRESSED TOGETHER.
10. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
11. EACH BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE.
12. LOOSE COIR SHOULD BE WEDGED BETWEEN BALES TO PREVENT WATER FROM ENTERING BETWEEN BALES.
13. COIR BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
14. CLOSE ATTENTION SHALL BE GIVEN TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
15. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
16. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. IT MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
17. ANY SEDIMENT DEPOSITS REMAINING IN PLACE, AFTER THE COIR BALE OR FILTER BARRIERS, AND OR SILT FENCES ARE NO LONGER REQUIRED, SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEED.
18. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
19. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED IMMEDIATELY.
20. STRUCTURES SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS REQUIRED.
21. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
22. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT RULES AND REGULATIONS.
23. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE FLORIDA DEVELOPMENT MANUAL - A GUIDE TO SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (F.D.E.P.) CHAPTER 6.
24. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. SEE DETAILS (THIS SHEET) FOR TYPICAL CONSTRUCTION.
25. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.
26. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING OUTFALL.
27. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
28. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED AND MULCHED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED. CONTRACTOR SHALL USE ADDITIONAL MEASURES TO STABILIZE DISTURBED AREAS THROUGH COMPACTION, SILT SCREENS, COIR BALES, AND GRASSING. ALL FILL SLOPES 3:1 OR STEEPER TO RECEIVE STAKED SOLID SOD.
29. ALL DEWATERING, EROSION, AND SEDIMENT CONTROL SHALL REMAIN IN PLACE UNTIL AFTER COMPLETION OF CONSTRUCTION, AND REMOVED ONLY WHEN AREAS HAVE BEEN STABILIZED.
30. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.
31. THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL WATER MANAGEMENT DISTRICT INQUIRIES, RELATIVE TO COMPLIANCE OF SURVMD FOR EROSION AND SEDIMENTATION CONTROL. THE COST OF THIS COMPLIANCE SHALL BE PART OF THE CONTRACT.
32. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS AND PRESERVATION EASEMENTS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION.
33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A PERMANENT STAND OF SOD AND/OR GRASS PER THE CONTRACT DOCUMENTS AND MEETING THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, XXXXXXXXXX AND NPDES FINAL STABILIZATION REQUIREMENTS.
34. THESE PLANS INCLUDING THE POLLUTION PREVENTION PLAN INDICATE THE MINIMUM EROSION & SEDIMENT CONTROL MEASURES REQUIRED FOR THIS PROJECT. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE FLORIDA DEVELOPMENT MANUAL - A GUIDE TO

SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P.) CHAPTER 6. CONTRACTOR SHALL PROVIDE EROSION PROTECTION AND TURBIDITY CONTROL AS REQUIRED TO INSURE CONFORMANCE TO STATE AND FEDERAL WATER QUALITY STANDARDS AND MAY NEED TO INSTALL ADDITIONAL CONTROLS TO CONFORM TO AGENCIES REQUIREMENTS. IF A WATER QUALITY VIOLATION OCCURS, THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ALL DAMAGE AND ALL COSTS WHICH MAY RESULT INCLUDING LEGAL FEES, CONSULTANT FEES, CONSTRUCTION COSTS, AND FINES.

35. 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR WILL SUBMIT A "NOTICE OF INTENT" TO THE EPA IN ACCORDANCE WITH NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM RULES AND REGULATIONS. (FOR ANY CONSTRUCTION NOT COVERED BY THE OWNER'S "NOTICE OF INTENT" PERMIT)



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VISION • EXPERIENCE • RESULTS

SEDIMENT EROSION CONTROL DETAILS
BAPTIST PRIMARY HEALTH LIME STREET
FOR PAVILION HEALTH SERVICES INC.

DRAWING NUMBER
11

ETM NO. 17-252-37
DRAWN BY: M. Farjon
DESIGNED BY: S. Lockwood
CHECKED BY: S. Lockwood
DATE: APRIL, 2024

PLANS PREPARED UNDER THE DIRECTION OF:
SCOTT JORDAN LOCKWOOD
P.E. NUMBER: 68426

OWNER'S REQUIREMENTS

SITE DESCRIPTION

PROJECT NAME AND LOCATION:
BAPTIST PRIMARY HEALTH LIME STREET
FERNANDINA BEACH, FLORIDA

OWNER/DEVELOPER NAME AND ADDRESS:

PAVILION HEALTH SERVICES INC.
841 PRUDENTIAL DRIVE STE 1802
JACKSONVILLE, FL 32207

DESCRIPTION:

THIS PROJECT WILL CONSIST OF:

CONSTRUCTION OF A XXXXXXXXX DEVELOPMENT. CONSTRUCTION WILL CONSIST OF INSTALLATION OF UNDERGROUND UTILITIES, CLEARING, GRADING, STORMWATER MANAGEMENT FACILITIES ROADWAYS, PARKING AREAS, XXXXXXXXXX AND ASSOCIATED CONSTRUCTION.

SOIL DISTURBING ACTIVITIES WILL INCLUDE:
CLEARING AND GRUBBING; INSTALLING A STABILIZED CONSTRUCTION ENTRANCE, PERIMETER, AND OTHER EROSION AND SEDIMENT CONTROLS; GRADING; EXCAVATION FOR THE SEDIMENTATION POND, STORM SEWER, UTILITIES, AND BUILDING FOUNDATION; CONSTRUCTION OF CURB AND GUTTER, ROAD, AND PARKING AREAS; AND PREPARATION FOR FINAL PLANTING AND SEEDING.

GENERALIZED RUNOFF CURVE NUMBERS (REFER TO DRAINAGE CALCULATIONS FOR ACTUAL CURVE NUMBER FOR EACH BASIN)

1. PRE-CONSTRUCTION = XX±
2. DURING CONSTRUCTION = XX±
3. POST-CONSTRUCTION = XX±

SOILS:
* SEE ATTACHED FOR SOILS DATA

SITE MAPS:
* SEE ATTACHED DWG. No. X - X FOR POST DEVELOPMENT GRADES, AREAS OF SOILS, DISTURBANCE, LOCATION OF SURFACE WATERS, WETLANDS, PROTECTED AREAS, MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS AND STORM WATER DISCHARGE POINTS.

* SEE ATTACHED DWG. No. X AND X FOR LOCATION OF TEMPORARY STABILIZATION PRACTICES, AND TURBIDITY BARRIERS

SITE AREA:
1. TOTAL AREA OF SITE = XXXX AC±
2. TOTAL AREA TO BE DISTURBED = XXXX AC±

NAME OF RECEIVING WATERS: HEADWATERS OF XXXXXX

GENERAL

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS. DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.

SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE

9. INSTALL UTILITIES, STORM SEWER, CURBS & GUTTER.

2. INSTALL SILT FENCES AND COIR BALES AS REQUIRED

10. APPLY BASE TO PARKING AREAS

3. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN

11. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING

4. CONSTRUCT SEDIMENTATION BASIN

12. COMPLETE FINAL PAVING

5. CONTINUE CLEARING AND GRUBBING

13. REMOVE ACCUMULATED SEDIMENT FROM BASINS

6. STOCK PILE TOP SOIL IF REQUIRED

14. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/SOD AS REQUIRED

7. PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED

8. STABILIZE DENUDEED AREAS AND STOCKPILES AS SOON AS PRACTICABLE

NOTE: VERTICAL CONSTRUCTION OF THE BUILDING WILL BE TAKING PLACE DURING ALL THE SEQUENCE STEPS LISTED ABOVE

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND COIR BALES, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAPS AND THE EARTH DIKE/SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE XXX (DRAWING NO. XXX)

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN OFF. DWG. No. XX AND XX HAVE BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS AS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO "CONTRACTORS REQUIREMENTS" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.

AREAS WHICH ARE NOT DEVELOPED BUT WILL BE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE.

CONTROLS

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED , MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE EROSION AND SEDIMENT CONTROL PLAN AND AS REQUIRED TO MEET THE SEDIMENT AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

EROSION AND SEDIMENT CONTROLS
STABILIZATION PRACTICES

1. COIR BALE BARRIER: COIR BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF COIR BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT.

2. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.

3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.

4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.

5. STOCKPIILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.

6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 10 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.

REFER TO " CONTRACTORS REQUIREMENTS" FOR THE TIMING OF CONTROL/MEASURES.

CERTIFICATION OF COMPLIANCE WITH
FEDERAL, STATE AND LOCAL REGULATIONS

IN AN EFFORT TO ENSURE COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS REGARDING EROSION AND TURBIDITY CONTROLS, THE FOLLOWING PERMITS HAVE BEEN OBTAINED.

D.E.P. DREDGE/FILL PERMIT #
C.O.E. DREDGE/FILL PERMIT #
S.J.R.W.M.D. M.S.S.W. PERMIT #

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: _____

TITLE: _____
CORPORATE OFFICER, GENERAL PARTNER, PROPRIETOR, EXECUTIVE OFFICER, OR RANKING ELECTED OFFICIAL

DATE: _____

CONTRACTOR'S REQUIREMENTS

INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT -LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.

TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 7 DAYS SHALL BE SEEDDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING.

TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.

TEMPORARY GRASSING: THE SEEDDED OR SEEDDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.

TEMPORARY REGRASSING : IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.

MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.

PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.

PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDDED AND MULCHED OR SODDED.

STRUCTURAL PRACTICES

1. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.

2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP IS USUALLY INSTALLED IN AN DRAINAGEWAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA WITH THE FOLLOWING LIMITATIONS:
A. THE SEDIMENT TRAP MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE.

3. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE VELOCITY OF FLOW AT DESIGN CAPACITY OF THE OUTLET WILL EXCEED THE PERMISSIBLE VELOCITY OF THE RECEIVING CHANNEL OR AREA.

4. SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME, THE PROPOSED STORM WATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE. THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

OTHER CONTROLS

WASTE DISPOSAL
WASTE MATERIALS
ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.
HAZARDOUS WASTE
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.
SANITARY WASTE
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.
OFFSITE VEHICLE TRACKING
A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEP DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

Concrete

Fertilizers

Wood

Asphalt

Petroleum Based Products

Masonry Blocks

Tar

Cleaning Solvents

Roofing Materials

Detergents

Paints

Metal Studs

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES
THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.
GOOD HOUSEKEEPING
THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.
* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
* ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
* PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.
HAZARDOUS PRODUCTS
THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.
* PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
* ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
* IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.
PRODUCT SPECIFIC PRACTICES
THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:
PETROLEUM PRODUCTS
ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
FERTILIZERS
FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE MIXED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
PAINTS
ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.
CONCRETE TRUCKS
CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (I.e. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES
THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

* NO MORE THAN 10 ACRES OF THE SITE WILL BE DENUDE AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

* ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.50 INCHES OR GREATER.

* ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

* BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

* SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

* THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB.

* DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.

* TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

* A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM SHALL BE COMPLETED BY THE INSPECTOR
THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS.
THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED. THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.

* THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.

* PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES

* IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

* WATER FROM WATER LINE FLUSHING

* PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

* UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

DEWATERING

PRIOR TO ANY DISCHARGE OF GROUND WATER (DEWATERING) FROM CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT TO WATERS OF THE STATE (INCLUDING, BUT NOT LIMITED TO, WETLANDS, SWALES AND MUNICIPAL STORM SEWERS), THE CONTRACTOR SHALL TEST THE EFFLUENT (WATER TO BE DISCHARGED) IN ACCORDANCE WITH RULE 62-621.300(2), F.A.C. IF THE TEST RESULTS ON THE EFFLUENT ARE BELOW THE SCREENING VALUES OF RULE 62-621.300(2), F.A.C., THE CONTRACTOR SHALL SUBMIT A SUMMARY OF THE PROPOSED CONSTRUCTION ACTIVITY AND THE TEST RESULTS TO THE DEPARTMENT OF ENVIRONMENTAL PROTECTION DISTRICT OFFICE, WITHIN ONE (1) WEEK AFTER DISCHARGE BEGINS. THE CONTRACTOR SHALL CONTINUE TO SAMPLE THE EFFLUENT AS REQUIRED THROUGHOUT THE PROJECT AND COMPLY WITH ALL CONDITIONS OF RULE 62-621.300(2), F.A.C. IF THE GROUND WATER EXCEEDS THE SCREENING VALUES OF RULE 62-621.300(2), F.A.C., THE CONTRACTOR SHALL COMPLY WITH OTHER APPLICABLE RULES AND REGULATIONS PRIOR TO DISCHARGE OF THE EFFLUENT (GROUND WATER) TO SURFACE WATERS OF THE STATE.

SIGNATURE	BUSINESS NAME AND ADDRESS OF CONTRACTOR & ALL SUBS	RESPONSIBLE FOR/DUTIES
		GENERAL CONTRACTOR
		SUB-CONTRACTOR
		SUB-CONTRACTOR
		SUB-CONTRACTOR
		SUB-CONTRACTOR

PLANS PREPARED UNDER THE DIRECTION OF:

SCOTT JORDAN LOCKWOOD
P.E. NUMBER: 68426

REVISIONS:

ETM NO. 17-252-37
DRAWN BY: M. Farjalla
DESIGNED BY: S. Lockwood
CHECKED BY: S. Lockwood
DATE: APRIL, 2024

14715 Old St. Augustine Rd.
Jacksonville, Florida 32258
(904) 642-8990
www.etmnc.com
REC- 00002584 LC-0000316

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ENGLAND-THIMS & MILLER

STORMWATER POLLUTION PREVENTION PLAN
BAPTIST PRIMARY HEALTH LIME STREET
FOR
PAVILION HEALTH SERVICES INC.

DRAWING NUMBER
12

PLOTTED: July 24, 2024 - 4:29 PM, BY: Mark Farjalla

T:\2017\17-252-37_Lime Street\LandDev\Design\Plots\SWPPP-17-252-37.dwg



OWNER'S AUTHORIZATION FOR AGENT REPRESENTATION

Pavilion Health Services, Inc.

I /WE _____
(print name of property owner(s))

hereby authorize: England Thims & Miller, Inc.
(print name of agent)

to represent me/us in processing an application for: Medical Clinic
(type of application)

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

[Signature]
(Signature of owner)

(Signature of owner)

Paul Woodbury
(Print name of owner)

(Print name of owner)

STATE OF FLORIDA

COUNTY OF NASSAU

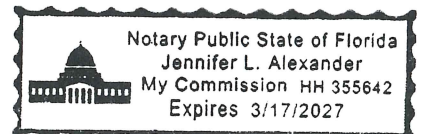
Sworn to (or affirmed) and subscribed before me by means of ☒ physical presence or ☐ online notarization, this 22 day
of July, 20 24, by Paul Woodbury.

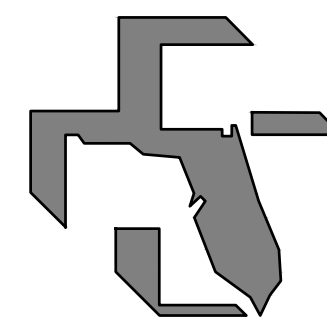
Jennifer Alexander
Notary Public

Jennifer Alexander
Printed Name

3/17/27
My Commission Expires

Personally Known ☒ OR Produced Identification ☐ ID Produced: _____





Owner

Baptist Health
800 Prudential Drive
Jacksonville, FL 32207

Project Manager

Kasper Architects + Associates

Owner's Representatives: Thomas Courtney

10175 Fortune Pkwy Unit 701

Jacksonville, FL 32256

Site Location

1210 Vintage Way, Fernandina Beach, FL 32034

Jurisdictional Review

Permitting

City of Fernandina Beach

BAPTIST PRIMARY CARE FERNANDINA BEACH
LANDSCAPE ARCHITECTURAL DRAWINGS

Design Team



Marquis Latimer + Halback, Inc.
Landscape Architecture
Project Manager: Fremont Latimer | fremont@halback.com
34 Cordova Street, Suite A, St. Augustine, FL 32084
Ph: 904.825.6747
LC0000391



Kasper Architects + Associates
Architecture + Project Manager
Project Manager: Thomas Courtney
10175 Fortune Parkway, Unit 701
Jacksonville, FL 32256
Ph: 704-523-2230



England Thims & Miller, Inc.
Civil Engineering
Project Manager: Nick Menyhart
14775 Old St. Augustine, Rd, Jacksonville, FL 32258
Ph: 904.642.8990

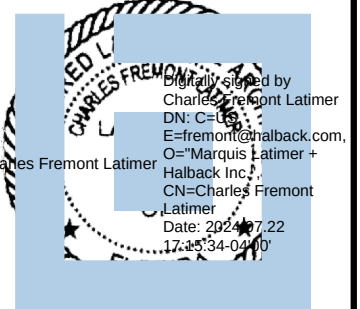
Sheet Index

Sheet Index						
Drawing no.	DRAWING TITLE	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	PERMIT SUBMITTAL 75% .	100% CONT. DOCS.	RECORD DOCUMENTS
L-0.0	COVER SHEET	4/11/24	5/24/24	7/22/24		
L-1.1	TREE PRESERVATION + REMOVAL PLAN	4/11/24	5/24/24	7/22/24		
L-2.1	HARDSCAPE PLAN	4/11/24	5/24/24	7/22/24		
L-2.2	HARDSCAPE NOTES + DETAILS	NOT ISSUED	5/24/24	7/22/24		
L-3.1	LANDSCAPE PLAN	4/11/24	5/24/24	7/22/24		
L-3.2	LANDSCAPE NOTES + SCHEDULE	NOT ISSUED	5/24/24	7/22/24		
L-3.3	LANDSCAPE DETAILS	NOT ISSUED	5/24/24	7/22/24		
L-4.1	IRRIGATION PLAN	NOT ISSUED	NOT ISSUED	NOT ISSUED		
L-4.2	IRRIGATION NOTES + DETAILS	NOT ISSUED	NOT ISSUED	NOT ISSUED		



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LANDSCAPE ARCHITECT OF RECORD

DRAWN BY: FL, GC INITIALS

BAPTIST PRIMARY CARE FERNANDINA BEACH

1210 VINTAGE WAY, FERNANDINA BEACH, FL32034

COVER

	PERMIT SET	07/22/24
	DESIGN DEVELOPMENT	05/24/24
	SCHEMATIC	04/11/24
REV	DESCRIPTION	DATE

SIZE:	ANSI D
PRIME PROJECT #:	24006
ML+H PROJECT #:	24,80

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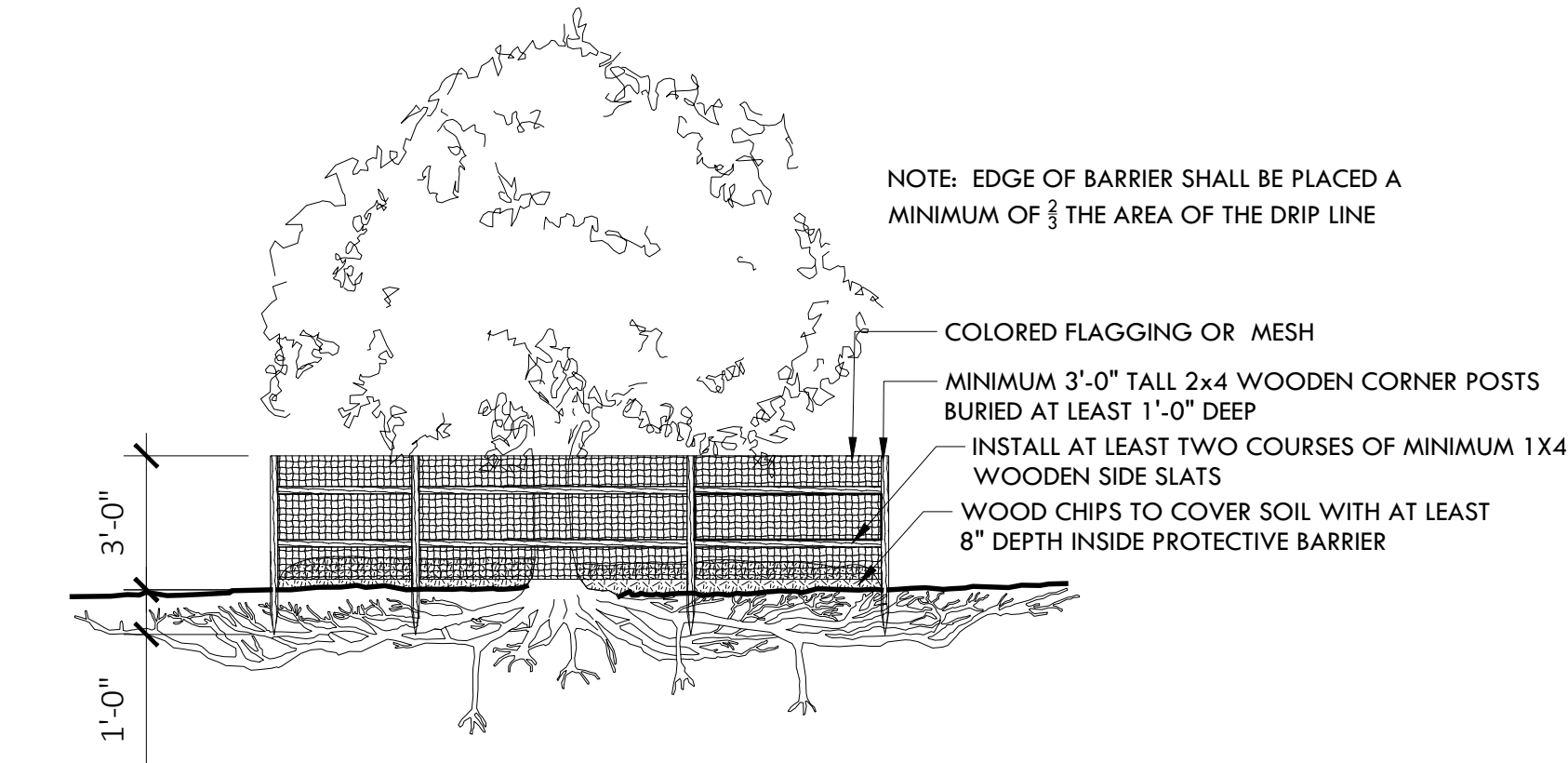
TREE INVENTORY

TREES TO BE REMOVED (REQUIRE MITIGATION)			
Tree Id	Common Name	Scientific Name	DBH
1	Blackgum	Nyssa sylvatica	19
2	Red maple	Acer rubrum	9
3	Red maple	Acer rubrum	8
4	Laurel oak	Quercus laurifolia	28
5	Water oak	Quercus nigra	17
10	Water oak	Quercus nigra	17.69
11	Laurel oak	Quercus laurifolia	17.69
12	Water oak	Quercus nigra	14
13	Sweetbay magnolia	Magnolia virginiana	9
14	Water oak	Quercus nigra	15
15	Laurel oak	Quercus laurifolia	19.21
16	Water oak	Quercus nigra	17
18	Water oak	Quercus nigra	14
20	Live oak	Quercus virginiana	15
21	Carolina Cherry Laurel	Prunus caroliniana	10
24	Water oak	Quercus nigra	21
25	Water oak	Quercus nigra	15
26	Water oak	Quercus nigra	12
27	Live oak	Quercus virginiana	15
29	Loblolly pine	Pinus taeda	24
30	Swamp bay	Persea palustris	6.16
31	Blackgum	Nyssa sylvatica	10.3
32	Blackgum	Nyssa sylvatica	12
35	Blackgum	Nyssa sylvatica	15
37	Blackgum	Nyssa sylvatica	15
38	Cabbage palmetto	Sabal palmetto	15
40	Buttonbush	Cephalanthus occidentalis	6.4
42	Red maple	Acer rubrum	18
43	Red maple	Acer rubrum	11
45	Red maple	Acer rubrum	8.49
49	Red maple	Acer rubrum	8.06
50	Blackgum	Nyssa sylvatica	6
51	Blackgum	Nyssa sylvatica	8.94
54	Sweetbay magnolia	Magnolia virginiana	11
56	Blackgum	Nyssa sylvatica	12.61
57	Red maple	Acer rubrum	7
58	Blackgum	Nyssa sylvatica	9
59	Blackgum	Nyssa sylvatica	9.43
60	Blackgum	Nyssa sylvatica	19.13
61	Blackgum	Nyssa sylvatica	11.4
62	Blackgum	Nyssa sylvatica	5
63	Blackgum	Nyssa sylvatica	13
66	Blackgum	Nyssa sylvatica	26
67	Blackgum	Nyssa sylvatica	34.15
68	Blackgum	Nyssa sylvatica	21
72	Blackgum	Nyssa sylvatica	7

642.7

REMOVE PER ARBORIST REPORT

Tree Id	Common Name	Scientific Name	DBH
6	Water oak	Quercus nigra	10
7	Water oak	Quercus nigra	11
8	Blackgum	Nyssa sylvatica	11
9	Water oak	Quercus nigra	14
17	Laurel oak	Quercus laurifolia	10
19	Laurel oak	Quercus laurifolia	7
22	Live oak	Quercus virginiana	18
23	Live oak	Quercus virginiana	26
28	Loblolly pine	Pinus taeda	24
33	Blackgum	Nyssa sylvatica	25
34	Blackgum	Nyssa sylvatica	10
36	Blackgum	Nyssa sylvatica	16
39	Slash pine	Pinus elliotii	24
41	Red maple	Acer rubrum	8
44	Red maple	Acer rubrum	12.81
46	Red maple	Acer rubrum	17.2
47	Laurel oak	Quercus laurifolia	13
48	Red maple	Acer rubrum	6
52	Loblolly pine	Pinus taeda	24
53	Water oak	Quercus nigra	7
55	Slash pine	Pinus elliotii	28
64	Tallowtree	Sapim sebiferum	21
65	Slash pine	Pinus elliotii	24
69	Water oak	Quercus nigra	14
70	Water oak	Quercus nigra	15
71	Water oak	Quercus nigra	16
73	Sweetbay magnolia	Magnolia virginiana	11
74	Blackgum	Nyssa sylvatica	12



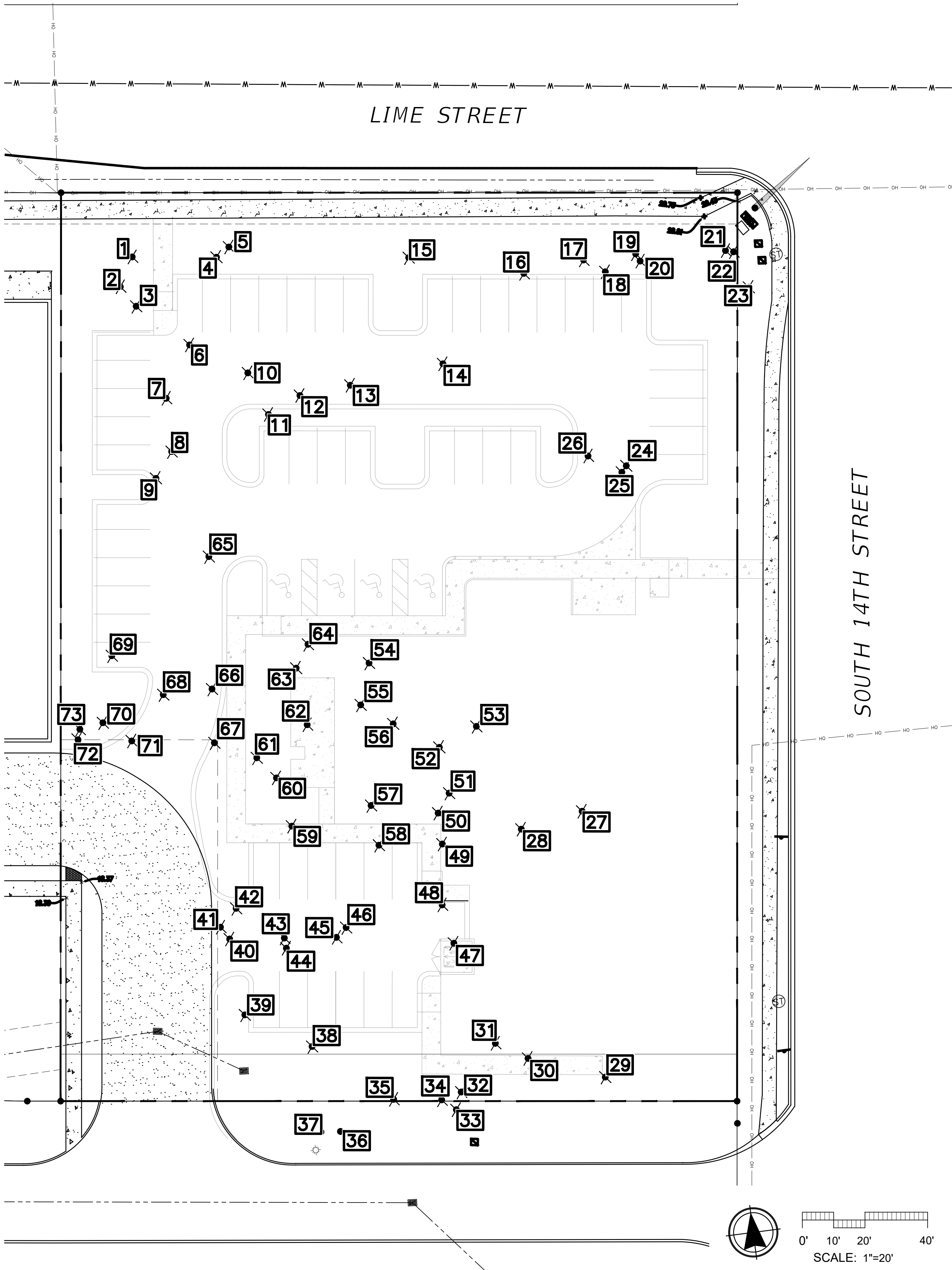
1 STANDARD TREE PROTECTION BARRIER
1/4" = 1'-0"

3601-19

TREE CALCULATIONS

PLANTING + MITIGATION CALCULATIONS	
TOTAL PROJECT AREA (ALL PHASES)	1.44 ACRES
CONSERVATION AREAS	0.00 ACRES
PROTECTED INCHES REMOVED	0 INCHES
REQUIRED TREE INCHES (50% TOTAL DBH OF PROTECTED EXISTING TREES REMOVED)	322 INCHES
EXISTING INCHES PRESERVED	0 INCHES
TOTAL INCHES PROVIDED	424 INCHES
(1) SHADE TREE PER 1,500 sq. ft. GROSS SITE AREA (REQUIRED 42) PROVIDED	5.4
PERCENTAGE SHADE TREES	59%
PERCENTAGE NATIVE TREES	69%

NOTES:
SEE ARBORIST REPORT FROM GAGE TREE CARE FOR DETAILS ON SPECIFIC DEFECT.



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LANDSCAPE ARCHITECT OF RECORD
C. Fremont Latimer (LA6667218)
DRAWN BY: FL, GC INITIALS

BAPTIST PRIMARY CARE FERNANDINA BEACH
1210 VINTAGE WAY, FERNANDINA BEACH, FL 32034
TREE PRESERVATION + REMOVAL PLAN

	PERMIT SET	07/22/24
	DESIGN DEVELOPMENT	05/24/24
	SCHEMATIC	04/11/24
REV	DESCRIPTION	DATE

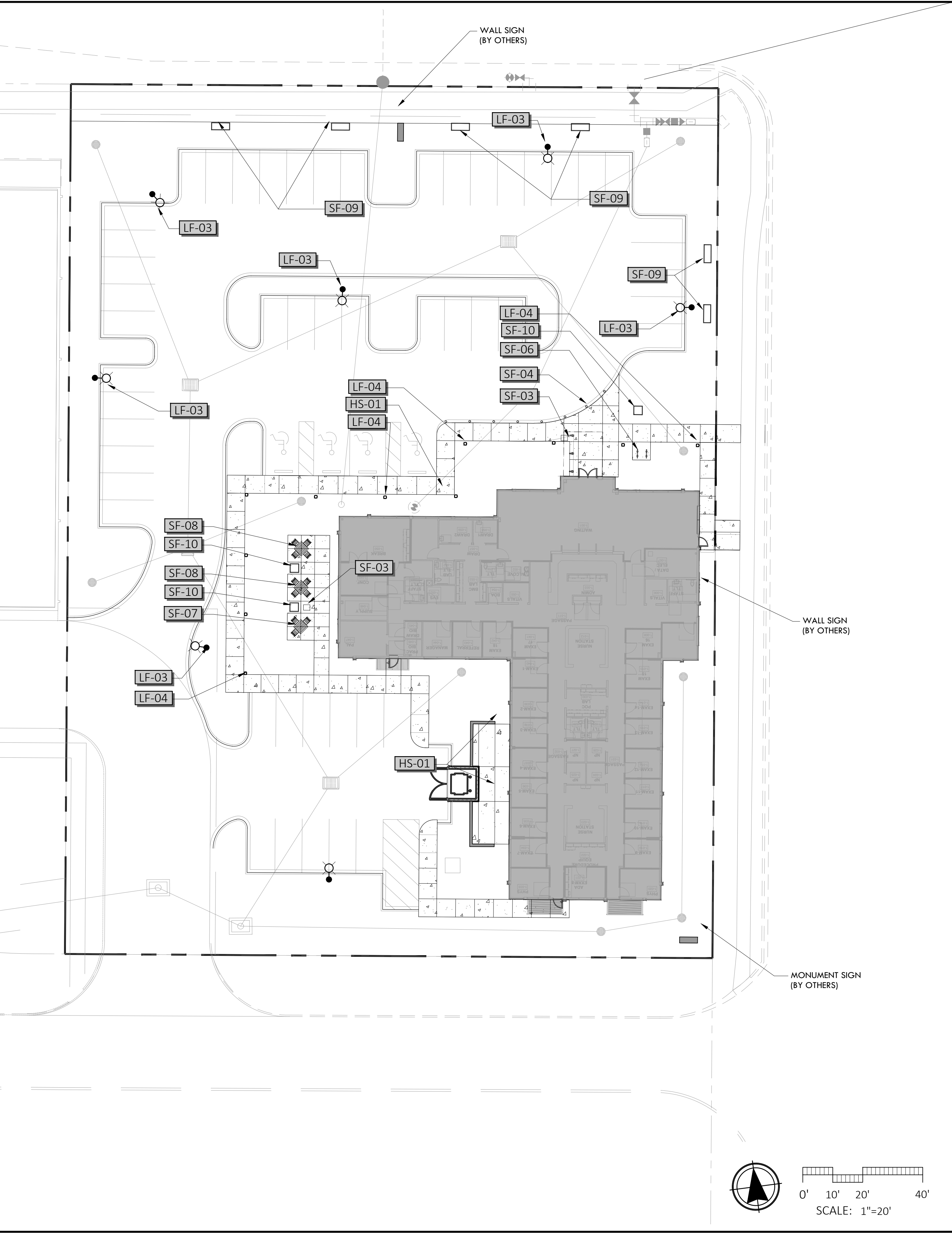
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PRIME PROJECT #: 24006
ML+H PROJECT #: 24.8.0

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REFERENCE NOTES SCHEDULE

SYMBOL	HARDSCAPE DESCRIPTION	QTY	DESCRIPTION	FINISH/COLOR	NOTES		
HS-01	SIDEWALK CONCRETE	3,489 SF	CONCRETE	NATURAL GREY W/ BROOM FINISH PERPENDICULAR TO PATH OF TRAVEL	CONTRACTOR TO PROVIDE 6'X6' SAMPLE WITH CONTROL AND EXPANSION JOINT. CROSS SECTION PER CIVIL		
HS-02	SIDEWALK CONCRETE - ROW	136 SF					
HS-03	MECHCANICAL PAD CONCRETE	469 SF					
SYMBOL	LIGHT FIXTURE DESCRIPTION	QTY	DESCRIPTION	MANUFACTURER	NOTES		
LF-03	POST LIGHT	7	PARKING LOT - 25' HEIGHT	TBD	SEEL ELECTRICAL FOR FINAL LAYOUT AND EQUIPMENT SPEC.		
LF-04	BOLLARD LIGHT	11	42" LIGHTED BOLLARD	TBD	SEEL ELECTRICAL FOR FINAL LAYOUT AND EQUIPMENT SPEC.		
SYMBOL	SITE FURNISHING DESCRIPTION	QTY	DESCRIPTION	COLOR/FINISH	MANUFACTURER/SUPPLIER	CONTACT	NOTES
SF-03	TRASH AND RECYLING RECEPTICLE	2	AIRI LEAF 45 GALLON DUAL TRASH/RECYCLER	PANEL/LID: TEXTURED PEWTER; FRAME: SILVER; LABE 1 RECYCLE LOGO (WHITE LETTERING); LABEL 2: TRASH (BLACK LETTERING)	ANOVA	CHERYL RONAN - PH: 407-572-3147	MODEL #AE3645RCT-LF, SURFACE MOUNT PER MANUF. SPECIFICATIONS
SF-04	SECURITY BOLLARD	8	BOLLARD POST - MODEL R-8907	STAINLESS STEEL	RELIANCE- FOUNDRY		FIXED EMBEDDED MOUNT - PER MANUF. SPECIFICATIONS
SF-06	BIKE RACK	2	CIRCLE BIKE RACK	STAINLESS STEEL	BELSON OUTDOORS		IN GROUND MOUNT MODEL # CBBR-2CRI-SS
SF-07	CAROUSEL TABLE - 3 SWIVEL SEATS + ADA	1	BEACON HILL; BH1830SR	POWDER COAT: SANDSTONE TEXTURE; SLATS: RECYLED PLASTIC MAHOGANY	ANOVA	CHERYL RONAN - PH: 407-572-3147	SURFACE MOUNT
SF-08	CAROUSEL BENCH: 4 SWIVEL SEATS	2	CAROUSEL BENCH: BH1840 SR	POWDER COAT: SANDSTONE TEXTURE; SLATS: RECYLED PLASTIC MAHOGANY	ANOVA	CHERYL RONAN - PH: 407-572-3147	SURFACE MOUNT
SF-09	REC. PLANTER	6	WILTSHIRE - WR723036	FRP - ROYALTY BLUE/ORANGE PEEL	TOURNESOL	BRIAN MITALO - PH: 847-867-9290	
SF-10	SQ. PLANTER	3	WILTSHIRE - WR-362630	FRP - ROYALTY BLUE/ORANGE PEEL	TOURNESOL	BRIAN MITALO - PH: 847-867-9290	



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C. Fremont Latimer (LA6667218)
DRAWN BY: FL, GC INITIALS

BAPTIST PRIMARY CARE FERNANDINA BEACH
1210 VINTAGE WAY, FERNANDINA BEACH, FL 32034
HARDSCAPE PLAN

REV	DESCRIPTION	DATE
	PERMIT SET	07/22/24
	DESIGN DEVELOPMENT	05/24/24
	SCHEMATIC	04/11/24

SIZE:	ANSI D
PRIME PROJECT #:	24006
ML+H PROJECT #:	24.8.0

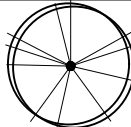
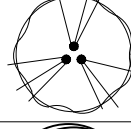
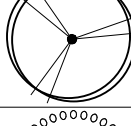
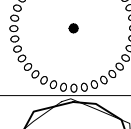
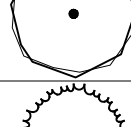
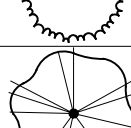
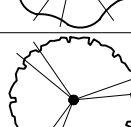
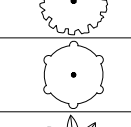
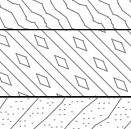
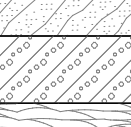
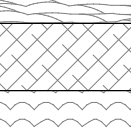
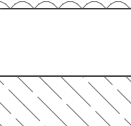
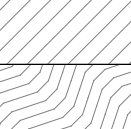
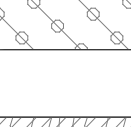
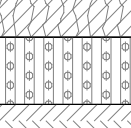
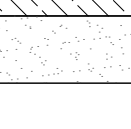
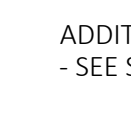
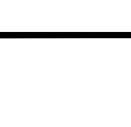
DRAWING NO.
L-2.1

Monday, July 22, 2024

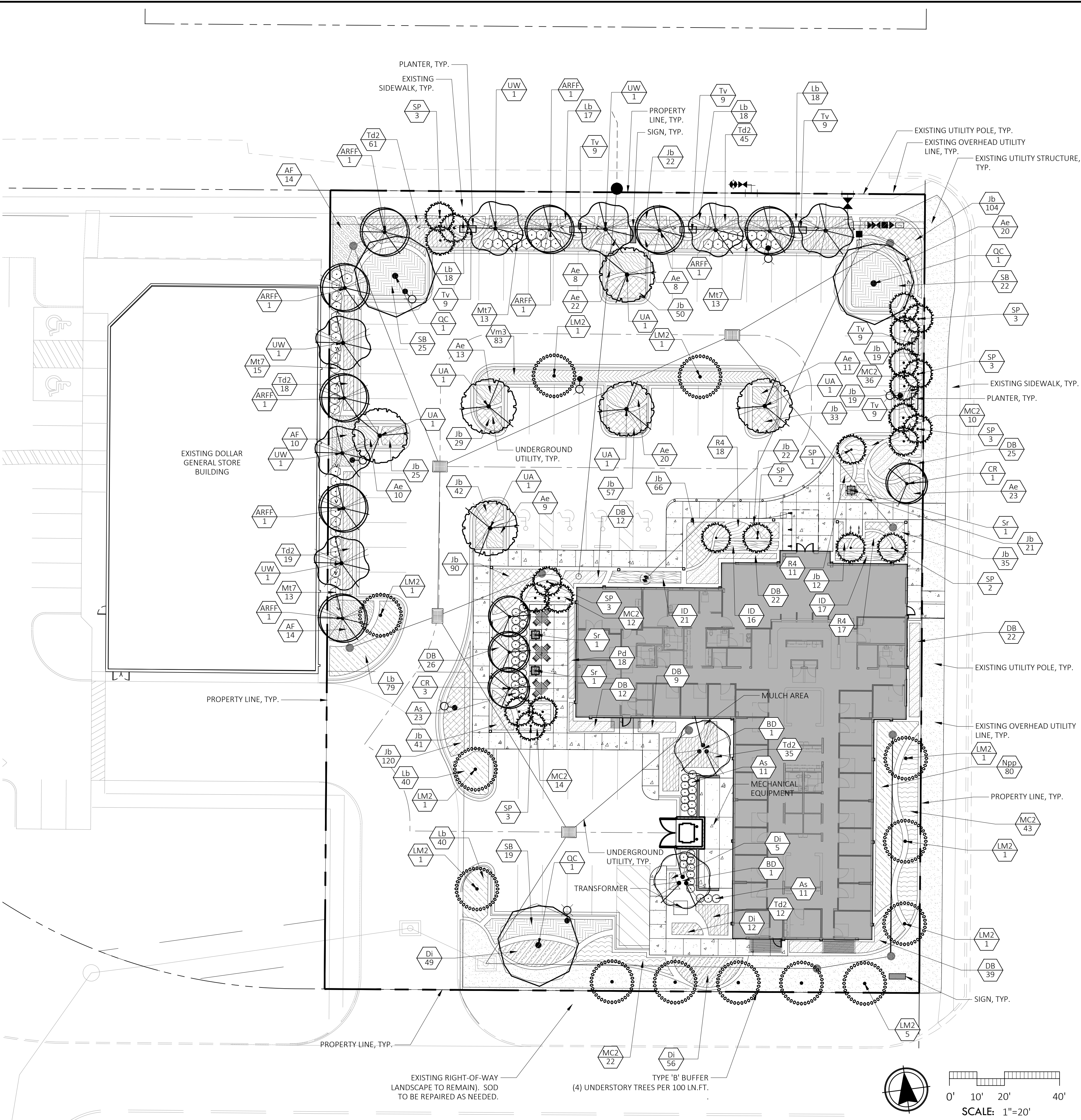
C:\Users\GavinCain\Marquis Latimer + Halback, Inc\ML+H Projects - Folders\00 Projects\24\24.8.0 BPC Fernandina\05 CAD\24080_LANDSCAPE.dwg

NOT FOR CONSTRUCTION; FOR COORDINATION, REVIEW, AND BIDDING PURPOSES ONLY.

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	QTY
TREES			
	ARFF	ACER RUBRUM 'FLORIDA FLAME' / FLORIDA FLAME RED MAPLE	8
	BD	BETULA NIGRA 'DURAHEAT' / DURAHEAT RIVER BIRCH	2
	CR	CHIONANTHUS RETUSUS / CHINESE FRINGE TREE	4
	LM2	LAGERSTROEMIA INDICA 'MUSKOGEE' / MUSKOGEE CRAPE MYRTLE	13
	QC	QUERCUS VIRGINIANA 'SDLN' PP 12,015 / CATHEDRAL LIVE OAK	3
	SP	SABAL PALMETTO / CABBAGE PALMETTO	23
	UW	ULMUS ALATA / WINGED ELM	7
	UA	ULMUS PARVIFOLIA 'ALLEE' / ALLEE LACEBARK ELM	6
SHRUBS			
	As	ACCA SELLOWIANA / PINEAPPLE GUAVA	45
	Mt7	MYRCIANTHES FRAGRANS 'SHOW STOPPER' / SIMPSON'S STOPPER	54
	Sr	STRELITZIA REGINAE / BIRD OF PARADISE	3
SHRUB AREAS			
	Ae	AGAPANTHUS AFRICANUS 'INDIGO PRINCESS' / AGAPANTHUS	144
	AF	AZALEA INDICA 'FORMOSA' / FORMOSA AZALEA	38
	DB	DIETES BICOLOR / YELLOW IRIS	167
	Di	DIETES IRIDIOIDES / WHITE AFRICAN IRIS	122
	ID	ILEX VOMITORIA 'SCHILLINGS DWARF' / DWARF SCHILLINGS HOLLY	54
	Jb	JUNIPERUS CONFERTA 'BLUE PACIFIC' / BLUE PACIFIC JUNIPER	830
	MC2	MUHLENBERGIA CAPILLARIS / PINK MUHLY	137
	Npp	NERIUM OLEANDER PETITE PINK / OLEANDER PETITE PINK	80
	Pd	PODOCARPUS MACROPHYLLUS 'DWARF PRINGLES' / DWARF PODOCARPUS	18
	R4	ROSA X 'MEIDRIFORA' / CORAL DRIFT® GROUNDCOVER ROSE	46
	Rm	ROSA X MEIDRIFLORA PP19,148 / CORAL DRIFT ROSE	41
	Td2	TRIPSACUM FLORIDANUM / DWARF FAKAHATCHEE	190
	Tv	TULBAGHIA VIOLACEA / SOCIETY GARLIC	54
	Vm3	VIBURNUM OBOVATUM 'MRS. SCHILLER'S DELIGHT' / MRS. SCHILLERS DELIGHT WALTER'S VIBURNUM	83
GROUND COVERS			
	Lb	LIRIOPE MUSCARI 'BIG BLUE' / BIG BLUE LILYTURF	408
	SA	STENOTAPHRUM SECUNDATUM 'FLORATAM' / FLORATAM ST. AUGUSTINE GRASS	4,278 SF

ADDITIONAL NOTES:
- SEE SHEET L-3.2 FOR CITY OF FERNANDINA BEACH LANDSCAPE CALCULATIONS.





Marquis Latimer + Halback, Inc.
34 Cordova Street, Suite A
St. Augustine, FL 32084
Ph 904.825.6747
www.halback.com
LA6667110 Qualifier

LANDSCAPE ARCHITECT OF RECORD
C. Fremont Latimer (LA6667218)
DRAWN BY: FL, GC INITIALS

BAPTIST PRIMARY CARE FERNANDINA BEACH
1210 VINTAGE WAY, FERNANDINA BEACH, FL 32034
LANDSCAPE PLAN

	PERMIT SET	07/22/2
	DESIGN DEVELOPMENT	05/24/2
	SCHEMATIC	04/11/2
REV	DESCRIPTION	DATE

SIZE: ANSI D
PRIME PROJECT #: 24006
ML+H PROJECT #: 24.8.0

DRAWING NO.
L-3.1

GENERAL NOTES

1. ASSURE THAT SOIL MOISTURE IS WITHIN THE REQUIRED LEVELS PRIOR TO PLANTING. IRRIGATION, IF REQUIRED, SHALL NOT BE APPLIED LESS THAN 12 HOURS PRIOR TO PLANTING TO AVOID PLANTING IN MUDDY SOILS.
2. ASSURE THAT SOIL GRADES IN THE BEDS ARE SMOOTH AND AS SHOWN ON THE PLANS.
3. PLANTS SHALL BE PLANTED IN EVEN, TRIANGULARLY SPACED ROWS, AT THE INTERVALS CALLED OUT FOR ON THE DRAWINGS, UNLESS OTHERWISE NOTED.
4. DIG PLANTING HOLES TWO TIMES (2x) THE WIDTH OF THE ROOT BALL AND BACK FILL WITH PLANTING MIX. SEE "SOIL MIX" GUIDELINES.
5. PRESS SOIL TO BRING THE ROOT SYSTEM IN CONTACT WITH THE SOIL.
6. SPREAD ANY EXCESS SOIL AROUND IN THE SPACES BETWEEN PLANTS.
7. APPLY MULCH TO THE BED BEING SURE NOT TO COVER THE TOPS OF THE PLANTS WITH OR THE TOPS OF THE ROOT BALL WITH MULCH.
8. WATER EACH PLANTING AREA AS SOON AS THE PLANTING IS COMPLETED. APPLY ADDITIONAL WATER TO KEEP THE SOIL MOISTURE AT THE REQUIRED LEVELS. DO NOT OVER WATER.

LANDSCAPE ARCHITECT OF RECORD

PRUNING OF TREES AND SHRUBS

1. IF PRUNING OF EXISTING TREES OR PLANT MATERIAL IS REQUIRED THE CONTRACTOR SHALL ADHERE TO ANSI Z133.1 STANDARDS FOR TREE CARE AND INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) BEST MANAGEMENT PRACTICES.

MULCHING OF PLANTS

1. SCHEDULE THE PLANTING TO OCCUR PRIOR TO APPLICATION OF THE MULCH. IF THE BED IS ALREADY MULCHED, PULL THE MULCH FROM AROUND THE HOLE AND PLANT INTO THE SOIL. DO NOT PLANT THE ROOT SYSTEM IN THE MULCH. PULL MULCH BACK SO IT IS NOT ON THE ROOT BALL SURFACE.
2. APPLY A MINIMUM OF 2-3 INCHES DEPTH OF PINE BARK MULCH BEFORE SETTLEMENT, COVERING THE ENTIRE PLANTING BED AREA. INSTALL NO MORE THAN 1 INCH OF MULCH OVER THE TOP OF THE ROOT BALLS OF ALL PLANTS. TAPER TO 2 INCHES WHEN ABUTTING PAVEMENT.
3. FOR TREES PLANTED IN LAWN AREAS THE MULCH SHALL EXTEND TO A 5 FOOT RADIUS AROUND THE TREE OR TO THE EXTENT INDICATED ON THE PLANS AND SPACED AT LEAST SIX INCHES AWAY FROM THE TREE TRUNK. MULCH TREES IN TURF AREAS PRIOR TO HYDROSEEDING.
4. LIFT ALL LEAVES, LOW HANGING STEMS AND OTHER GREEN PORTIONS OF SMALL PLANTS OUT OF THE MULCH IF COVERED.

LAYOUT AND PLANTING SEQUENCE

1. RELATIVE POSITIONS OF ALL PLANTS AND TREES ARE SUBJECT TO APPROVAL OF THE LANDSCAPE ARCHITECT.
2. NOTIFY THE LANDSCAPE ARCHITECT, ONE (1) WEEK PRIOR TO LAYOUT. LAYOUT ALL INDIVIDUAL TREE AND SHRUB LOCATIONS, PLACE PLANTS ABOVE SURFACE AT PLANTING LOCATION OR PLACE A LABELED STAKE AT PLANTING LOCATION. LAYOUT BED LINES WITH PAINT FOR THE LANDSCAPE ARCHITECT'S APPROVAL. SECURE THE LANDSCAPE ARCHITECT'S ACCEPTANCE BEFORE DIGGING AND START OF PLANTING WORK.

CITY OF FERNANDINA BEACH TREE CALCULATIONS

ADDITIONAL NOTES:
- REQUIRED THAT 75% OF PARKING LOT PERIMETER TREES TO BE SHADE TREES; PROVIDED 100% (22/22)
- REQUIRED THAT 50% OF BUFFER SHRUBS TO BE NATIVE: PROVIDED 52.2% (381/730)

IRRIGATION NOTES:
- ALL PLANTING BEDS TO LOW-VOLUME DRIP IRRIGATION AND/OR ROTARY NOZZLE IRRIGATION
- ALL TURF AREAS TO BE HIGH EFFICIENCY POP-UP SPRAY AND/OR ROTARY NOZZLE IRRIGATION.

BAPTIST PRIMARY CARE FERNANDINA BEACH

1210 VINTAGE WAY, FERNANDINA BEACH, FL 32034

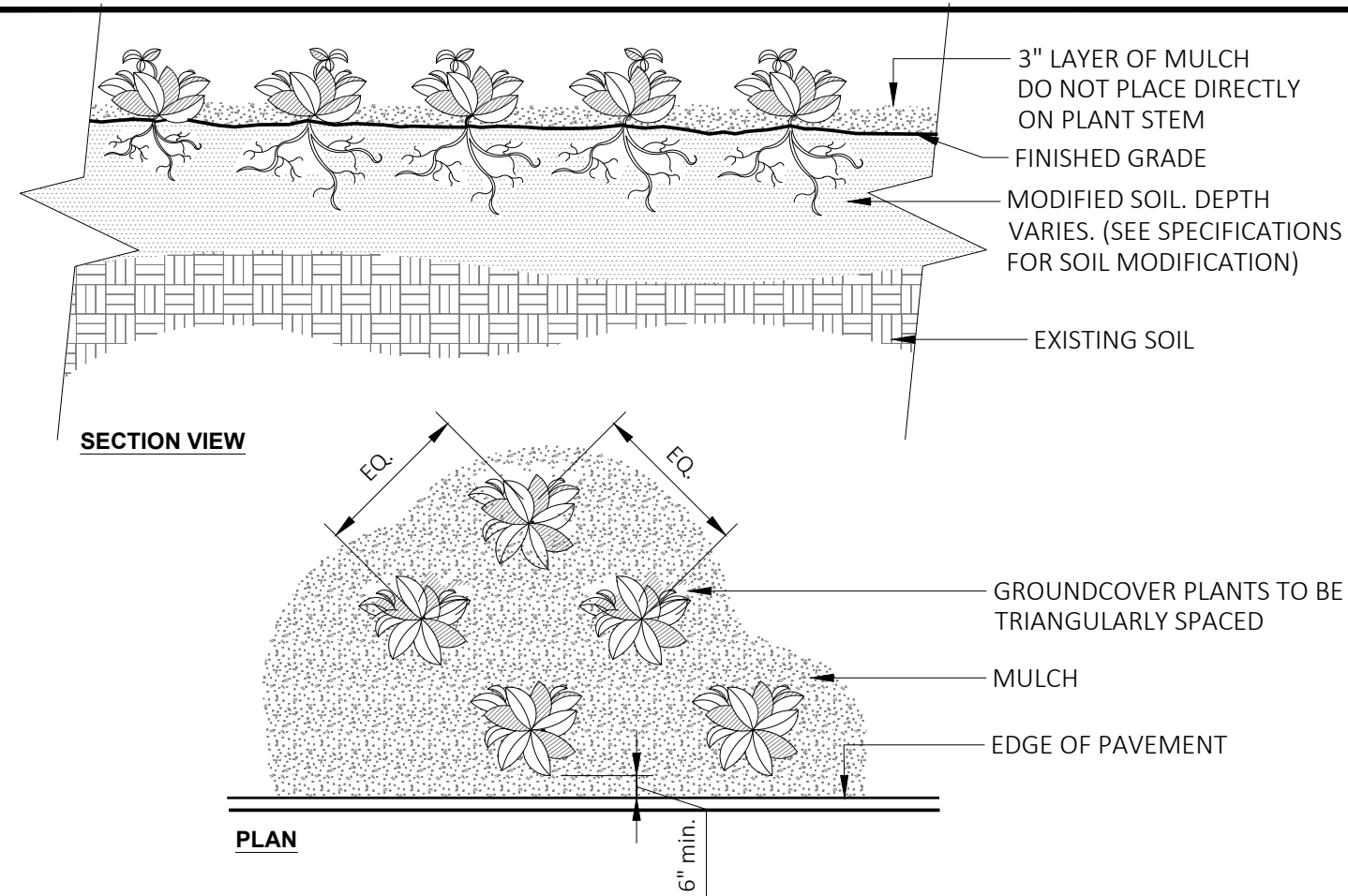
LANDSCAPE NOTES + SCHEDULE

	PERMIT SET	07/22/24
	DESIGN DEVELOPMENT	05/24/24
	SCHEMATIC	04/11/24
REV	DESCRIPTION	DATE

SIZE:	ANSI D
PRIME PROJECT #:	24006
ML+H PROJECT #:	24.8.0

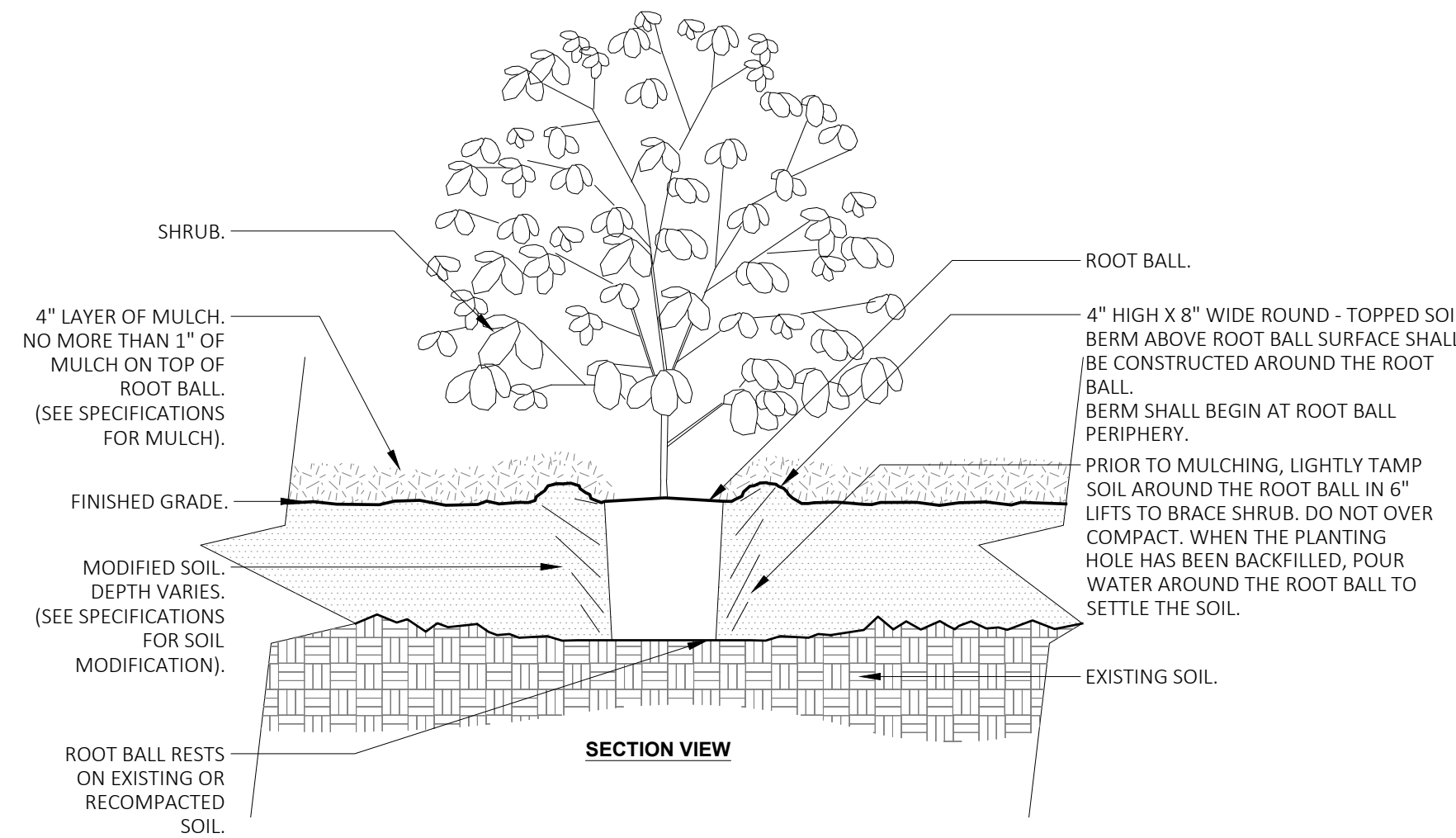
DRAWING NO. **L-3.2**

Monday, July 22, 2024



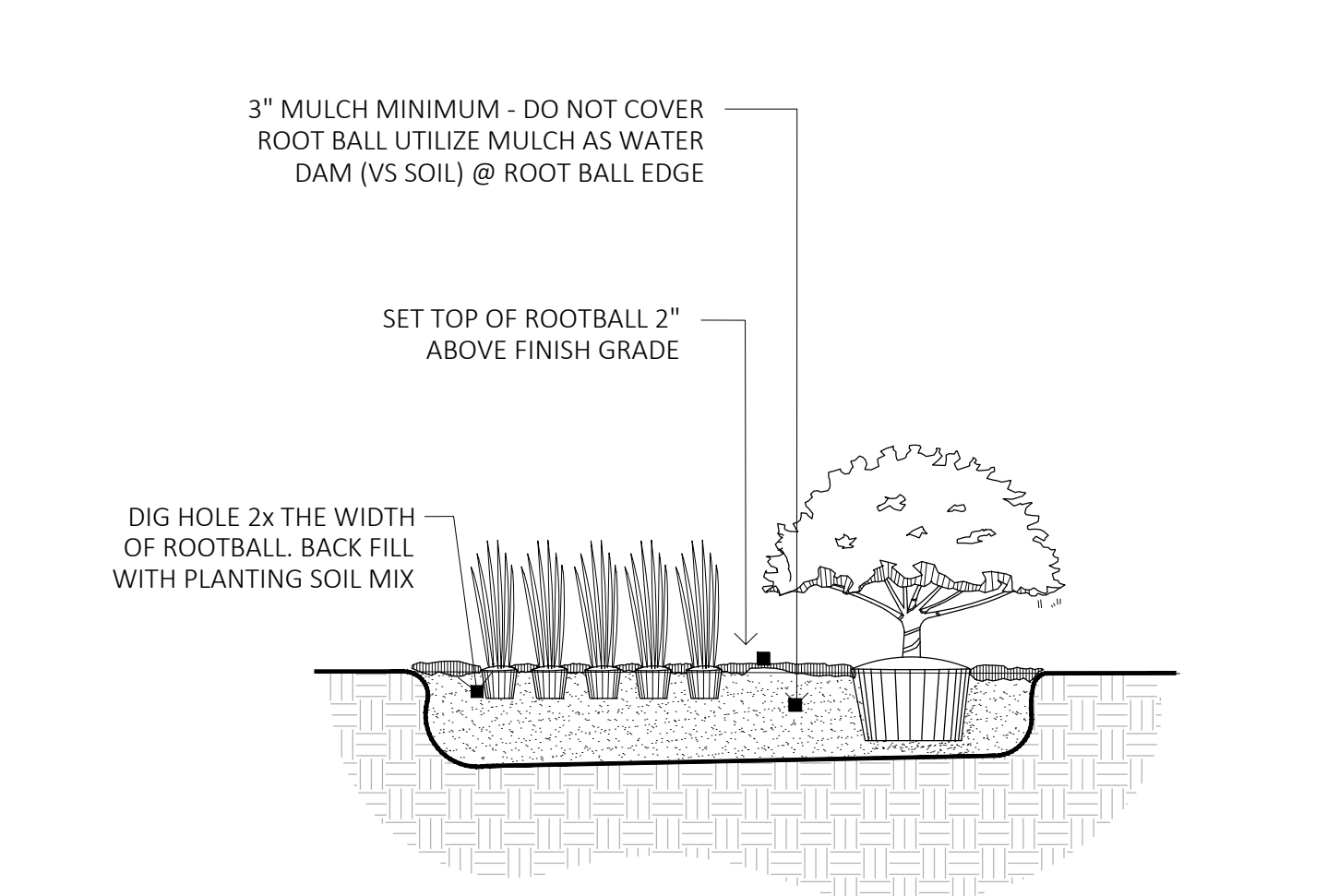
NOTES:
1- SEE PLANTING LEGEND FOR GROUND COVER SPECIES, SIZE, AND SPACING DIMENSION.
2- SMALL ROOTS (1/4" OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPHERY CAN BE REMOVED AT THE TIME OF PLANTING. (SEE ROOT BALL SHAVING CONTAINER DETAIL).
3- SETTLE SOIL AROUND ROOT BALL OF EACH GROUND COVER PRIOR TO MULCHING.

8 GROUND COVER
NOT TO SCALE
URBAN TREE FOUNDATION © 2014
OPEN SOURCE FREE TO USE
00-04

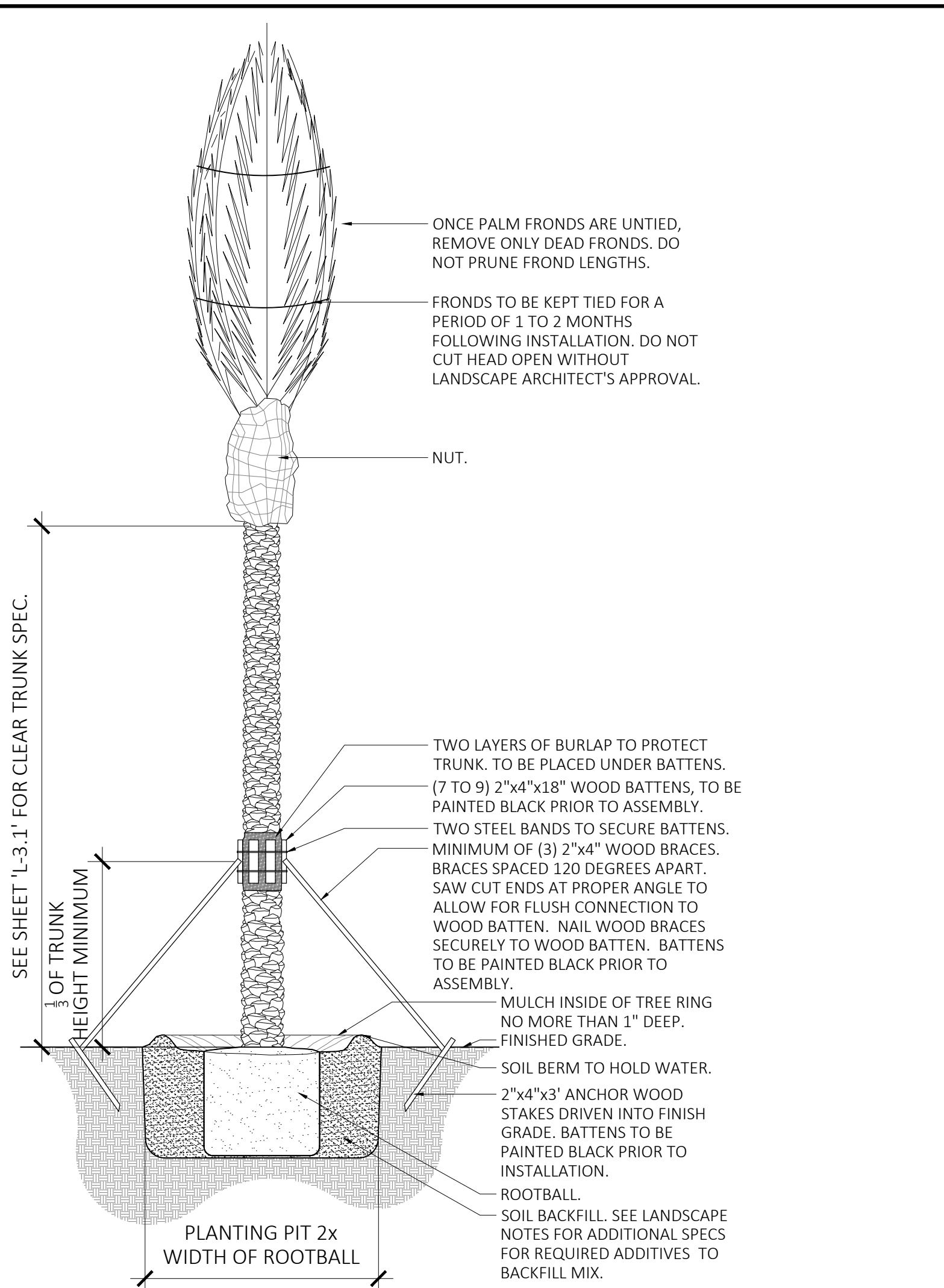


NOTES:
1- SHRUBS SHALL BE OF QUALITY PRESCRIBED IN THE ROOT OBSERVATIONS DETAIL AND SPECIFICATIONS.
2- SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.
3- ALL TREES PLANTED SHALL BE STAKED OR GUYED FOR A PERIOD OF AT LEAST SIX (6) MONTHS IN ACCORDANCE WITH THE FOLLOWING DETAIL.

7 SHRUB - MODIFIED SOIL
NOT TO SCALE
URBAN TREE FOUNDATION © 2014
OPEN SOURCE FREE TO USE
00-06

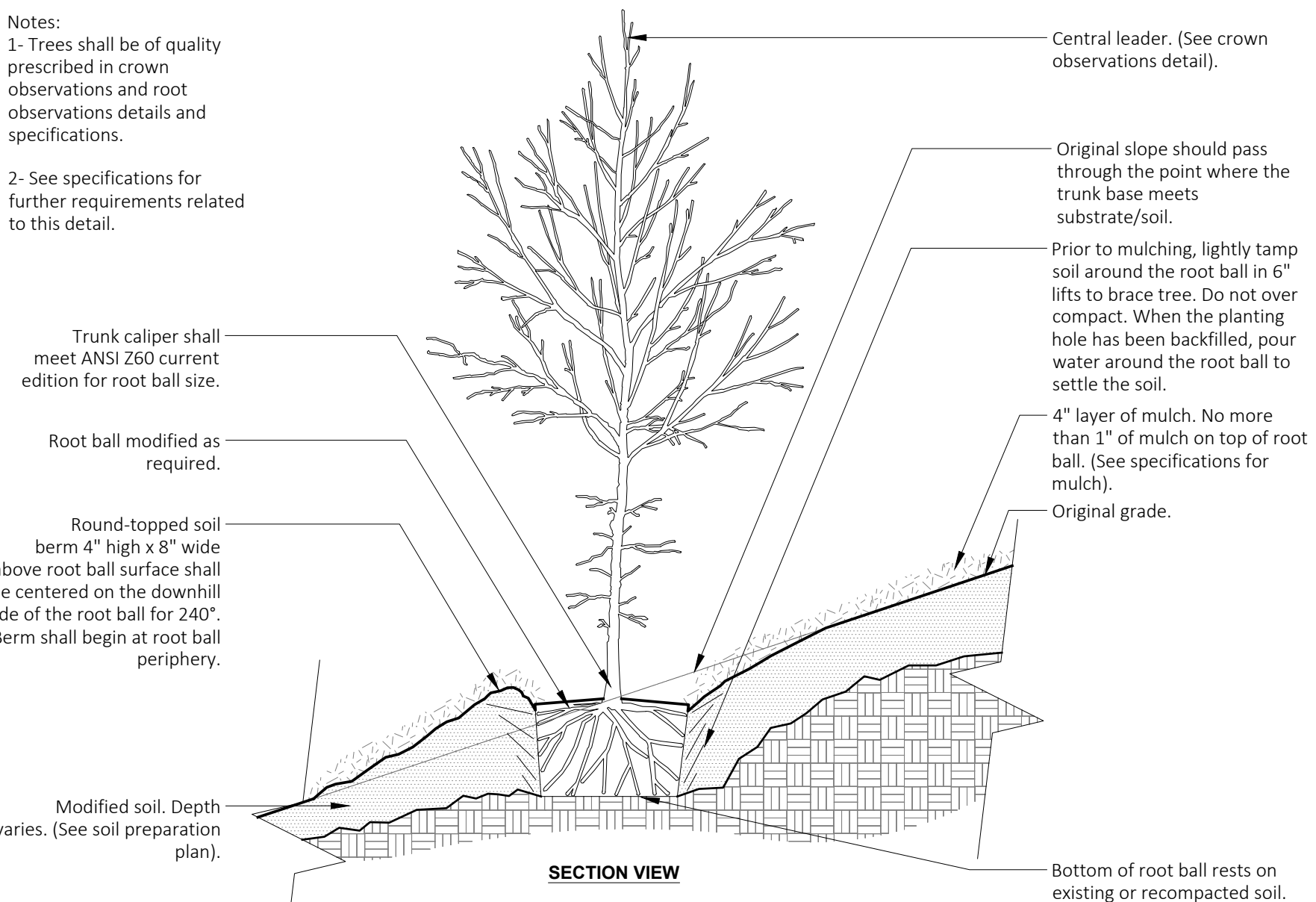


6 SHRUB AND GROUND COVER PLANTING
NOT TO SCALE
URBAN TREE FOUNDATION © 2014
OPEN SOURCE FREE TO USE
00-16

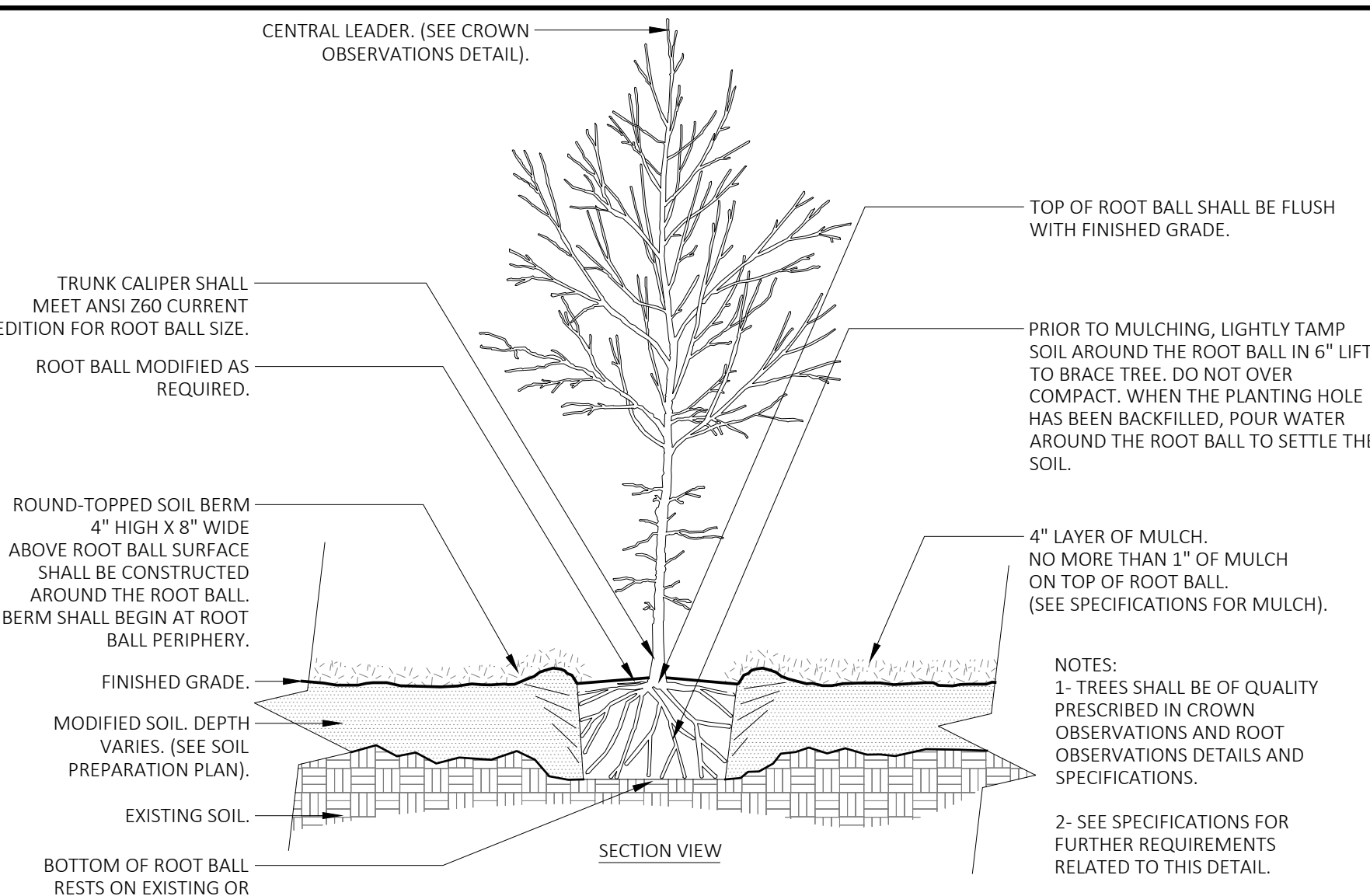


NOTES:
1- CONTRACTOR TO ASSURE DRAINAGE/PERCOLATION OF PLANTING PIT PRIOR TO INSTALLATION.
2- CONTRACTOR TO STAKE LOCATION OF PALMS, OUTSIDE OF CONFLICT WITH UNDERGROUND UTILITIES, FOR LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL PRIOR TO INSTALLATION.
3- ALL TREES PLANTED SHALL BE STAKED OR GUYED FOR A PERIOD OF AT LEAST SIX (6) MONTHS IN ACCORDANCE WITH THE FOLLOWING PLANTING DETAIL.

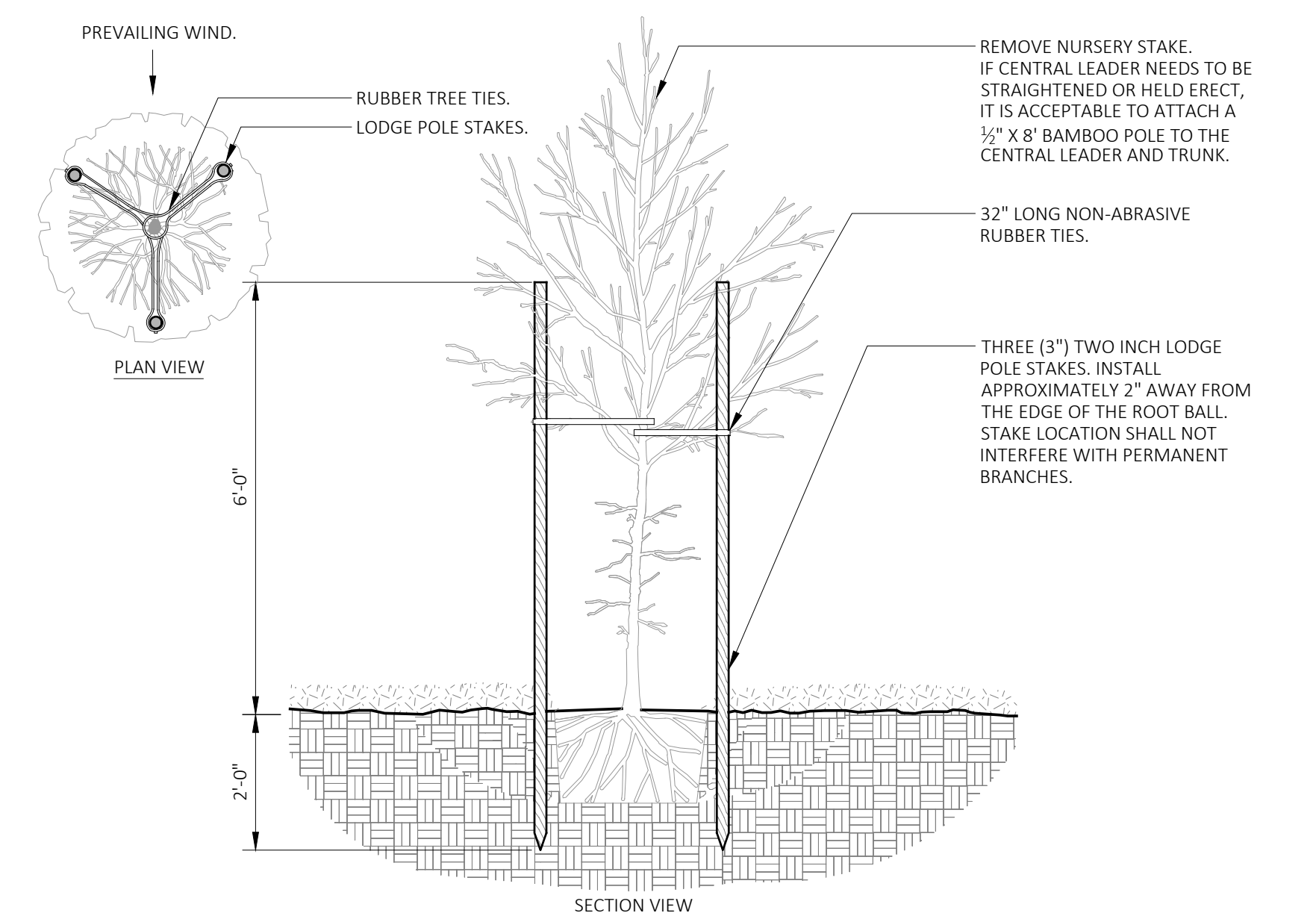
5 PALM PLANTING & STAKING DETAIL
NOT TO SCALE
URBAN TREE FOUNDATION © 2014
OPEN SOURCE FREE TO USE
00-03



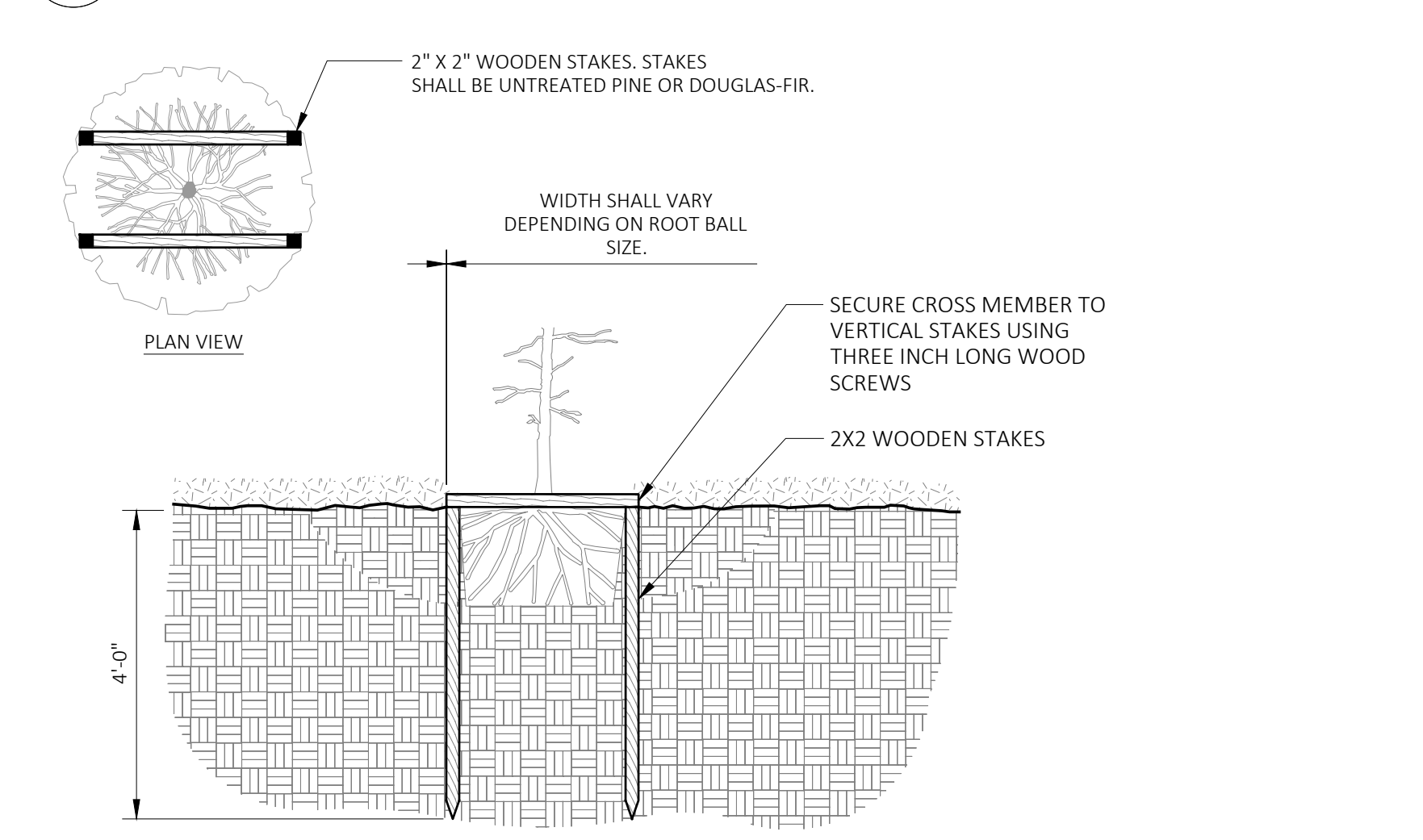
4 TREE ON SLOPE (EXISTING SOIL MODIFIED)
1/2" = 1'-0"
SLOPE 5% (20:1) TO 50% (2:1)
URBAN TREE FOUNDATION © 2014
OPEN SOURCE FREE TO USE
00-18



3 TREE W/ BERM (EXISTING SOIL MODIFIED)
NOT TO SCALE
URBAN TREE FOUNDATION © 2014
OPEN SOURCE FREE TO USE
00-05



2 TREE STAKING - LODGE POLES (3) (TREES > 12' OA.)
NOT TO SCALE
URBAN TREE FOUNDATION © 2014
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00-02



1 TREE STAKING - STAPLE (TREES < 12' OA.)
NOT TO SCALE
URBAN TREE FOUNDATION © 2014
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00-01

Marquis Latimer + Halback, Inc.
34 Cordova Street, Suite A
St. Augustine, FL 32084
Ph 904.825.6747
www.halback.com
LA6667110 Qualifier

LANDSCAPE ARCHITECT OF RECORD
C. Fremont Latimer (LA6667218)
DRAWN BY: FL, GC INITIALS

BAPTIST PRIMARY CARE FERNANDINA BEACH
1210 VINTAGE WAY, FERNANDINA BEACH, FL 32034

LANDSCAPE DETAILS

REV	DESCRIPTION	DATE
	PERMIT SET	07/22/24
	DESIGN DEVELOPMENT	05/24/24
	SCHEMATIC	04/11/24

SIZE: ANSI D
PRIME PROJECT #: 24006
ML+H PROJECT #: 24.8.0

DRAWING NO.
L-3.3



August 16, 2024

England Thims & Miller, Inc
Scott Lockwood
14775 Old St. Augustine Road
Jacksonville, FL 32258
Lockwoods@etminc.com

Sent Via Email to Project Team

Applicant Name: *(Scott Lockwood as Agent)*
Project Description: 3 Baptist Primary Health Lime Street
Location: Vintage Way
PIN(s):
TRC Case Number: TRC 2024-0006

Mr. Lockwood,

The City of Fernandina Beach received your request for site plan review on Friday, July 25, 2024. A complete application was determined on Tuesday, August 13, 2024. All submitted documents provided were routed to the Technical Review Committee (TRC). The comments provided as part of this site plan review are valid for six months from the date of issuance.

Please submit response documents to address each comment in a narrative form and with an amended site plan. Please contact the office to schedule the formal public hearing for this case. The next available date is Thursday, August 22nd, 2024.

If you have any questions, please contact us at TRCinfo@fbfl.city or 904-310-3480.

Sincerely,

Kelly N. Gibson, AICP
TRC Coordinator

REVIEW COMMENTS:

**PLANNING**

☒ The Planning Department has reviewed the submittal and noted the following comments:

Submitted landscape plan shows 33 shade trees being planted (including palms at 3 to 1 ratio). This lot requires 42 shade trees at 1 per 1,500 sq ft. Crape myrtle and Chinese fringe trees do not count as a shade tree per LDC definition. Dn 8/13/24

4.02.00 DESIGN STANDARDS FOR BASE ZONING DISTRICTS; Table

4.02.01(J). Design Standards for Lots; Please provide the calculation in a table showing that the project meets the C-2 zoning Impervious Surface Ratio and the Maximum Floor Area Ratio for the lot.

7.01.04 Parking Standards and Parking Lot Design; Revise parking lot areas to comply with the LDC parking standards. Please verify that the parking spaces meet the minimum and maximum space requirements for the proposed use. It appears that the actual number of parking spaces shown, and the numerical number shown on the plans do not match. At least twenty (20) percent of new parking areas and drive aisles must incorporate alternate paving materials such as: decorative pavers, bricks, scored concrete, or paving patterns. Please label the alternate paving material area on the plans.

Table 7.01.04(A). Medical offices and clinics-1 space per 250 ft² of gross floor area – Appears to exceed allowable parking- Please provide overall table for parking to show compliance.

Please consider the placement of the structure to create a focal point at the corner of 14th and Lime Streets with the vehicle parking designed to be predominantly off of Vintage Way.

When revisions are submitted, more comments may be provided.

OR

☐ All previous comments have been addressed and the Department of Planning & Conservation approves issuance of a local development order.

Name of Reviewer: Planning Staff

Today's Date: Thursday, August 16, 2024 [Select Date](#)

BUILDING

☐ The Building Department has reviewed the submittal and noted the following comments:



None provided as of date of issuance.

OR

☐ All previous comments have been addressed and the Building Department approves issuance of a local development order.

Name of Reviewer: First Last

Today's Date: Select Date

UTILITIES, STORMWATER, & STREETS

☒ The Public Works Department has reviewed the submittal and noted the following comments:

- Call out the impervious area on the plans to demonstrate compliance with the master drainage system.
- Please be aware that Lime Street and South 14th Street is a county right-of-way.
- We need to verify the sewer lateral. It was not picked up when the gravity line was lined.
- Will you be needing a fire line? If so, please indicate it and the fire backflow preventor.

OR

☐ All previous comments have been addressed and the Public Works Department approves issuance of a local development order.

Name of Reviewer: Victoria Guadagnino

Today's Date: Wednesday, August 14, 2024

CODE ENFORCEMENT

☐ The Code Enforcement Department has reviewed the submittal and noted the following comments:

No comments provided as of date of issuance.

OR

☐ All previous comments have been addressed and the Code Enforcement Department approves issuance of a local development order.

Name of Reviewer: First Last

Today's Date: Select Date



FIRE

☐ The Fire Department has reviewed the submittal and noted the following comments:

OR

☒ All previous comments have been addressed and the Fire Department approves issuance of a local development order.

Name of Reviewer: Jason Higginbotham

Today's Date: Thursday, August 15, 2024

From: noreply@civicplus.com
To: [TRC Info](#)
Subject: Online Form Submittal: Technical Review Committee: Application
Date: Thursday, August 1, 2024 4:13:39 PM

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender, were expecting this email, and know the content is safe.

Technical Review Committee: Application

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 resubmittals of full site plans. \$400 + 2% of the project construction cost (whichever is greater) for up to a maximum of \$4,400.
------	---

IMPORTANT NOTES

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

****Please note that, unless otherwise indicated, the TRC meetings are scheduled as the following:**

TRC Applications are reviewed at 10:00 AM on the 4th Thursdays of each month in City Hall Chambers (204 Ash Street).**

Please see the Land Development Code (LDC) for detailed information:	<i>Field not completed.</i>
--	-----------------------------

The LDC is available for review at	www.fbfl.us/LDC
------------------------------------	--

Application Requirements	<i>Field not completed.</i>
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Key Contacts

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

PROJECT INFORMATION

Submission Type	Initial Submittal
NOTICE 3rd and all subsequent resubmittals will be charged a fee of 1/2 the original application fees.	
DATE OF YOUR FIRST STEP MEETING (if you have not attended a First Step Meeting , return to the application page and choose the TRC First Step meeting application)	5/9/2024
PROPERTY INFORMATION	Property information can be found at the Nassau County Property Appraiser's Website → Map Search
Site Address	2430 Jamestown Road
City	Fernandina Beach
State	FL
Zip	32034
Parcel ID #(s)	0-2N-29-0000-0001-0000
Lot	<i>Field not completed.</i>
Block	<i>Field not completed.</i>
Subdivision	<i>Field not completed.</i>
Zoning District	IA
Future Land Use Designation	Industrial
Overlay District	Airport
Size of Property (acres)	2.63
Present Property Use	vacant
Wetlands	No

Flood Zone	X, area of minimal flood hazard
------------	---------------------------------

Coastal Construction Control Line (CCCL)	No
--	----

OWNER OF RECORD

As recorded with the Nassau County Property Appraiser

First Name	Jeremiah
------------	----------

Last Name	Glisson
-----------	---------

Company (if applicable)	City of Fernandina Beach
-------------------------	--------------------------

Mailing Address	204 Ash Street
-----------------	----------------

City	Fernandina Beach
------	------------------

State	FL
-------	----

Zip	32034
-----	-------

Telephone Number	904-310-3314
------------------	--------------

Email Address	jglisson@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	Asa
------------	-----

Last Name	Gillette
-----------	----------

Company (if applicable)	Gillette
-------------------------	----------

Mailing Address	31 South 4th Street, Suite 1
-----------------	------------------------------

City	Fernandina Beach
------	------------------

State	FL
-------	----

Zip	32034
-----	-------

Telephone Number	904-261-8819
------------------	--------------

Email Address	asa@gilletteassociates.com
---------------	----------------------------

PROJECT INFORMATION

Project Type	Site Plan Review
Project Name	Jamestown Road Airport Hangars
Proposed Access Road	Jamestown Road
Rd Maintenance Jurisdiction	City Maintained
Project Estimated Cost	350000
Description of Request	5 aircraft hangar units
Site Plan Review Checklist	<i>Field not completed.</i>
School Concurrency	<i>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.</i>
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	8/1/2024
Upload Supporting Documentation	ECHARD_Jamestown_site_080124_signed.pdf
Upload 2	<i>Field not completed.</i>
Upload 3	<i>Field not completed.</i>
Upload 4	<i>Field not completed.</i>
Upload 5	<i>Field not completed.</i>

Upload 6

Field not completed.

Upload 7

Field not completed.

DEPARTMENT OF PLANNING & CONSERVATION

204 Ash Street | Fernandina Beach, FL 32034 | 904 310-3480 |

www.fbfl.us/planning

Email not displaying correctly? [View it in your browser.](#)

ENGINEERING PLANS

FOR

AIRCRAFT HANGARS

FOR

BRIAN ECHARD

AIRCRAFT HANGARS

FOR

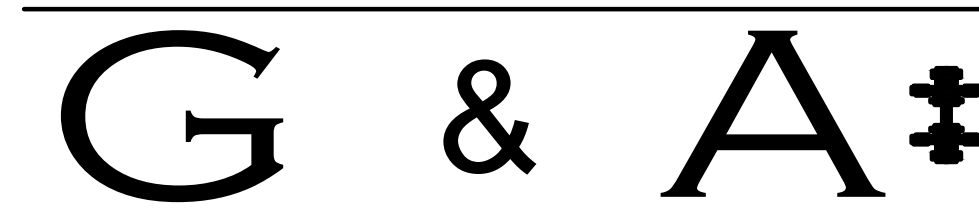
BRIAN ECHARD

RELEASED FOR CONSTRUCTION BY _____

GILLETTE & ASSOCIATES, INC.

**CIVIL & ENVIRONMENTAL ENGINEERING
MECHANICAL & STRUCTURAL ENGINEERING
PERMITTING & CONSTRUCTION MANAGEMENT**

31 SOUTH 4TH STREET AMELIA ISLAND, FLORIDA 32034
PHONE: 904/261-8819



PERMITTING AGENCIES

CITY OF FERNANDINA BEACH: 904-310-3421

ISSUE DATE: AUGUST 1ST, 2024

G&A Project
No.: XX-XX-XX

K				Scale: 1:30	Gillette & Associates, Inc. 31 South 4th Street Fernandina Beach, FL 32034	 GILLETTE & ASSOCIATES, INC. 31 SOUTH 4TH STREET FERNANDINA BEACH, FL 32034 PHONE: (904) 261-8819	AIRPORT HANGAR DESIGN	JAMESTOWN ROAD HANGARS	COVER SHEET	 REGISTERED DESIGN PROFESSIONAL ASAR S. GILLETTE, P.E. FLORIDA P.E. NO. 56177	ISSUE DATE: 08/01/24					
J				Project Mgr: AG							Certificate of Authorization No. 9332	Sheet CVR				
I				Designed by: AG	DO NOT SCALE THIS DRAWING — DIMENSIONS AND NOTES TAKE PREFERENCE. DRAWING IS REDUCED IF LESS THAN 22" x 34"		JAMESTOWN ROAD FERNANDINA BEACH, FLORIDA		COVER SHEET		Page 1 of 7					
H				Drawn by: AB												Project No. XX-XX-XX
G				QA/QC: NG												
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C																
B	AB	08/01/24		TRC SUBMITTAL #1												
A	AB	03/12/24		PRE-APP REVIEW												
	No.	By	Date	Revision												

SITE / GEOMETRY NOTES		WATER NOTES		INDEX	
1. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL SAFETY RULES AND GUIDELINES OF O.S.H.A. SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES OF HIS EMPLOYEES, AND ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT. ALL COSTS ASSOCIATED WITH COMPLYING WITH REGULATIONS AND THE FLORIDA TRENCH SAFETY ACT MUST BE INCLUDED IN THE CONTRACTOR'S PRICE FOR PERFORMING THE WORK. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING THE BID FOR THE PURPOSE OF FAMILIARIZING HIMSELF WITH THE NATURE AND THE EXTENT OF THE WORK AND LOCAL CONDITIONS, EITHER SURFACE OR SUBSURFACE, WHICH MAY AFFECT THE WORK TO BE PERFORMED, AND THE EQUIPMENT, LABOR AND MATERIALS REQUIRED. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THIS CONTRACT. THE CONTRACTOR IS URGED TO TAKE COLOR PHOTOGRAPHS ALONG THE ROUTE OF THIS PROJECT TO RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION, AND TO AID IN RESOLVING POSSIBLE FUTURE COMPLAINTS THAT MAY OCCUR DUE TO CONSTRUCTION OF THE PROJECT. ALL COSTS ASSOCIATED WITH PRELIMINARY INVESTIGATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. 3. ALL IMPROVEMENTS SHOWN ARE TO BE WARRANTED BY THE CONTRACTOR TO THE DEVELOPER. 4. ELEVATIONS ARE BASED ON NAVD DATUM OF 1988. 5. TOPOGRAPHIC AND BOUNDARY INFORMATION WAS PROVIDED BY: MANZIE & DRAKE LAND SURVEYORS (904-491-5700). 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING, RIGHT-OF-WAY PERMITS NOT PROVIDED AND INSURANCE REQUIRED FOR THE PROJECT. 7. THE CONTRACTOR SHALL COORDINATE THE WORK WITHIN CITY, COUNTY OR STATE RIGHT-OF-WAY WITH THE PROPER AGENCIES FOR MAINTENANCE OF TRAFFIC AND METHOD OF CONSTRUCTION & REPAIR. 8. THE CONTRACTOR SHALL ADVISE THE OWNER'S AUTHORIZED REPRESENTATIVE OF PLANNED WORK SCHEDULE. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION WITH ALL OTHER CONTRACTORS. IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD, AND THE OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION. 9. "AS-BUILT" DRAWINGS - AS-BUILTS ARE REQUIRED TO BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR. THEREFORE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA FOR THE PREPARATION, FIELD LOCATIONS, CERTIFICATION, AND SUBMITTAL OF AS-BUILT DRAWINGS. 10. "AS-BUILT" RECORD DATA AND INFORMATION SHALL BE MAINTAINED BY THE CONTRACTOR. RECORD DRAWINGS SHALL BE SUPPLIED TO THE ENGINEER. 11. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS. IF A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL CONTRACT WITH THE SURVEYOR OF RECORD FOR REINSTALLATION OF THE MONUMENT. 12. ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE DISPOSED OF OFF-SITE BY CONTRACTOR ON A DAILY BASIS. 13. ALL EXCESS SUITABLE AND UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE BY THE ENGINEER. 14. ALL EXISTING TREES LISTED TO REMAIN SHALL BE PRESERVED AND PROTECTED. 15. THE LOCATION OF ALL EXISTING UTILITIES, STRUCTURES, AND IMPROVEMENTS ON THE DRAWINGS ARE BASED ON LIMITED INFORMATION AND MAY NOT HAVE BEEN FIELD VERIFIED. THE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY RESPECTIVE UTILITY OWNERS AND FIELD VERIFY LOCATIONS OF EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO COMMENCING ANY CONSTRUCTION. IF THE LOCATIONS SHOWN ARE CONTRARY TO ACTUAL FIELD LOCATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF THE DISCREPANCY. THE DISCREPANCY SHOULD BE RESOLVED PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN AREAS NEAR EXISTING UTILITY IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR REPAIRS OR PAYMENTS FOR ALL DAMAGE MADE TO EXISTING UTILITIES OR OTHER IMPROVEMENTS. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL GRADES, INVERTS, AND TYPE OF MATERIAL OF EXISTING UTILITIES TO WHICH THEY SHALL CONNECT. 16. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER ON ALL MATERIALS, FOR REVIEW AND APPROVAL, PRIOR TO PURCHASE OR CONSTRUCTION OF ANY UTILITY OR STRUCTURE. 17A. UNSUITABLE MATERIALS UNDER WATER, SEWER, OR STORM PIPE AND/OR STRUCTURES SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL COMPACTED TO 98% OF ITS MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D1557). 17B. ALL FINISH FLOORS SHOWN ON THE PLANS ARE MINIMUM ELEVATIONS 18. ALL WATER & SEWER CONSTRUCTION SHALL BE ACCOMPLISHED BY AN UNDERGROUND UTILITY CONTRACTOR LICENSED UNDER THE PROVISIONS OF CHAPTER 489 FLORIDA STATUTES.		19. WHEN DEWATERING CAPACITY REQUIRES A PERMIT (CUP), IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE PERMIT THROUGH THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT. 20. WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SANITARY HAZARD. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. WHERE PARALLEL WATER AND SEWER MAINS HAVE LESS THAN 10 FOOT HORIZONTAL SEPARATION, 20 FOOT LENGTHS OF C900 (DR18) WATER QUALITY PIPE SHALL BE USED WITH THE JOINTS STAGGERED AT 10 FOOT INTERVALS. THE PIPES SHALL BE PLACED IN SEPARATE TRENCHES WITH THE WATER MAIN AT LEAST 18 INCHES ABOVE THE SEWER. 21. WATER MAINS CROSSING SANITARY HAZARDS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER MAIN. WHERE WATER AND SEWER MAINS CROSS WITH BETWEEN 18 INCHES AND 6 INCHES OF VERTICAL CLEARANCE, A 20 FOOT SECTION OF C900 (DR18) WATER QUALITY PIPE SHALL BE CENTERED ON THE POINT OF THE CROSSING. THE CONTRACTOR SHALL FIELD VERIFY THE VERTICAL SEPARATION. THE MINIMUM SEPARATION BETWEEN WATER AND SEWER PIPES IS TO BE 6 INCHES OUTSIDE DIAMETER TO OUTSIDE DIAMETER. 22. NO WATER MAIN PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SEWER MANHOLE. 23. BLANK 24. TRACER WIRE SHALL BE PROVIDED ON ALL WATER MAINS AND FORCE MAINS. TRACER WIRE SHALL BE #10 UF SOLID COPPER WIRE, COATED, AND SUITABLE FOR BURIAL. COATING SHALL BE BLUE FOR WATER AND GREEN FOR SEWER MAIN CONNECTIONS. WIRE SHALL BE ATTACHED DIRECTLY TO TOP OF PIPE AND BROUGHT INTO EACH VALVE BOX AND COILED TO ALLOW FOR EASY ACCESS AND EXTENSION ABOVE FINISHED GRADE FOR ATTACHMENT OF LOCATING EQUIPMENT. 25. ALL PIPE LENGTHS ARE APPROXIMATE DIMENSIONS. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED TO CONFORM WITH TYPICAL SECTIONS AND DETAILS AS SHOWN ON THE MISCELLANEOUS DETAILS SHEET AND IN ACCORDANCE WITH THE SPECIFICATIONS. 26. ALL UNDERGROUND UTILITIES MUST BE INSTALLED PRIOR TO PREPARATION OF SUBGRADE FOR PAVEMENT. 27. GRADES SHOWN ON PLANS ARE EDGE OF PAVEMENT FINISHED GRADES UNLESS OTHERWISE NOTED. 28. SHOULD THE SURFACE OR SUBSURFACE CONDITIONS VARY FROM WHAT IS SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. 29. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED AND MULCHED UNLESS OTHERWISE SPECIFICALLY STATED. ALL DISTURBED AREAS WITHIN THE NASSAU COUNTY RIGHT OF WAY SHALL BE COVERED WITH BERMUDA SOD. 30. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF SEDIMENT-LADEN RUNOFF RESULTING FROM STORM EVENTS DURING THE CONSTRUCTION PHASE. EROSION CONTROL FACILITIES SHOULD BE INSTALLED EARLY DURING THE CONSTRUCTION PERIOD SO AS TO PREVENT THE TRANSPORT OF SEDIMENT INTO SURFACE WATERS. RE-VEGETATION AND STABILIZATION OF DISTURBED AREAS SHOULD BE ACCOMPLISHED IMMEDIATELY TO REDUCE THE POTENTIAL FOR FURTHER SOIL EROSION. 31. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND COUNTY/CITY BEFORE COMMENCING WORK. 32. MINIMUM COVER OVER PIPES SHALL BE 36" UNLESS OTHERWISE INDICATED. 33. ALL UNDERGROUND UTILITY COMPANIES SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION. 34. IN ADDITION TO THE SPECIFICATIONS AND DETAILS PROVIDED FOR THIS CONTRACT, THE NASSAU COUNTY STANDARD DETAILS AND SPECIFICATIONS (LATEST REVISION) SHALL ALSO BE USED FOR ANY ITEMS NOT COVERED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A SET OF STANDARD DETAILS AND SPECIFICATIONS FROM NASSAU COUNTY. 35. BACKFILL MATERIAL SHALL BE COMPACTED TO 100% (2%) PER CITY OF FB REQUIREMENTS UNDER EXISTING AND PROPOSED ROADWAYS. 36. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER. 37. STATIONING REFERS TO THE CENTERLINE OF THE ROADWAY EXCEPT AS NOTED ON PLANS. WHERE PAVEMENT SPLITS, THE STATIONING FOLLOWS THE INSIDE EDGE OF PAVEMENT UNTIL ROADWAY TRANSITIONS BACK TO THE TYPICAL ROADWAY SECTION 38. ALL CONSTRUCTION, MATERIAL, AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH CITY OF FB AND COUNTY STANDARDS		1. WATER MAINS SHALL HAVE A MINIMUM OF 36" COVER UNDER PAVEMENT OR 30" COVER FROM FINISHED GRADE UNLESS OTHERWISE SHOWN. ALL WATER MAINS SHALL BE FLUSHED IN ACCORDANCE WITH, AND UNDER THE DIRECTION OF THE UTILITY COMPANY. 2. THRUST RESTRAINTS ARE REQUIRED IN ACCORDANCE WITH THE UTILITY COMPANY STANDARDS WHERE WATER MAINS ARE TERMINATED AND AT ALL BENDS AND TEES. 3. TIE RODS SHALL BE INSTALLED ON ALL VALVES LOCATED AT FITTINGS. ALL 10" AND LARGER VALVES AND LARGER SHALL REQUIRE (4) TIE RODS. MEGA LUG JOINT RESTRAINTS MAY BE USED IN LIEU OF THRUST BLOCKS OR TIE RODS. 4. UNLESS OTHERWISE NOTED, WATER MAINS ARE TO BE PVC DR18, DR-25, C-900 (BLUE), CLASS 150. 5. ALL WATER MAINS SHALL BE BACTERIOLOGICAL AND PRESSURE TESTED IN ACCORDANCE WITH AWWA C-600. NO CONNECTION TO EXISTING POTABLE WATER SYSTEM SHALL BE ALLOWED UNTIL ALL PROPOSED WATER MAINS HAVE BEEN PRESSURE TESTED, DISINFECTED, AND CLEARED FOR SERVICE. THE UTILITY COMPANY'S AUTHORIZED REPRESENTATIVE MUST BE NOTIFIED 48 HOURS PRIOR TO PERFORMING THE PRESSURE TEST AND MUST BE PRESENT. 6. THE CONTRACTOR SHALL AVOID SERVICE INTERRUPTIONS AND MAINTAIN ANY EXISTING WATER SERVICE TO MEET THE SYSTEM DEMANDS AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF AFFECTED CUSTOMERS OF THE UTILITY A MINIMUM OF 48 HOURS IN ADVANCE OF ANY INTERRUPTION OF SERVICE. BOIL WATER NOTICES SHALL BE DELIVERED IN ACCORDANCE WITH THE UTILITY COMPANY BOIL WATER NOTICE REQUIREMENTS. 7. ALL MAIN FLUSHING POINTS SHALL BE SAME SIZE AS MAIN UP TO 8 INCH WATER MAINS. FLUSHING POINTS FOR MAINS LARGER THAN 8 INCH SHALL BE REDUCED TO 8 INCH. 8. ALL WATER MAINS SHALL BE DISINFECTED USING LIQUID CHLORINE OR HYPOCHLORITES IN ACCORDANCE TO AWWA C651-86. WATER IN MAIN SHALL MAINTAIN A CHLORINE RESIDUAL OF 50 MG/L FOR A MINIMUM OF 24 HOURS. WATER MAIN SHALL NOT BE PLACED IN SERVICE UNTIL CLEARANCE HAS BEEN PROVIDED BY THE APPROPRIATE REGULATING AGENCY AND CITY OFFERNANDINA BEACH UTILITIES DEPARTMENT. 9. IF SOLVENT CONTAMINATION IS FOUND IN THE PIPE TRENCH, WORK SHALL BE STOPPED AND THE PROPER AUTHORITIES NOTIFIED. BASED ON APPROVAL OF THE PERMITTING AGENCY, DUCTILE IRON PIPE, FITTINGS, AND SOLVENT RESISTANT GASKET MATERIAL SUCH AS FLUOROCARBON SHALL BE USED IN THE CONTAMINATED AREA. THE DUCTILE IRON PIPE SHALL EXTEND AT LEAST 100 FEET BEYOND ANY SOLVENT NOTED. ANY CONTAMINATED SOIL THAT IS EXCAVATED SHALL BE PLACED ON AN IMPERMEABLE LINER AND COVERED WITH A WATER PROOF COVER. THE PROPER AUTHORITIES WILL BE NOTIFIED AND THE CONTAMINATED SOIL HELD FOR PROPER DISPOSAL. 10. 2" FLUSHING HYDRANTS SHALL BE INSTALLED AT ALL DEAD END LINES AND MAIN LINE STUB-OUTS. 11. A SEPARATE WATER SERVICE SHALL BE REQUIRED FOR EACH UNIT SERVED AND SHALL BE INSTALLED 3 FEET EITHER SIDE OF PROPERTY LINE. ALL WATER SERVICES SHALL BE MARKED WITH A "W" ETCHED ON THE CURB. ALL VALVES SHALL BE MARKED WITH A "V" ETCHED ON THE CURB. 12. ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UTILITY COMPANY'S STANDARDS. 13. ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED AT THE CONSUMER'S METER OR AT THE PROPERTY LINE WHEN A METER IS NOT USED. 14. BACKFLOW PREVENTION ASSEMBLIES SHALL BE TESTED BY A CERTIFIED BACKFLOW TECHNICIAN. TEST RESULTS SHALL BE SUBMITTED TO AND APPROVED BY THE UTILITY COMPANY PRIOR TO ACCEPTANCE OF INSTALLATION. 15. MAXIMUM DEPTH ON WATER SERVICES TO METER TO BE 36". 16. CONTACT ANDRE DESILET, COFB UTILITY DIRECTOR AT (904-310-3420) FOR PRE-CONSTRUCTION AND COORDINATION MEETING PRIOR TO WORK COMMENCING	
				FIRE NOTES	
				1. WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO COMMENCING CONSTRUCTION WORK ON ANY STRUCTURE. (NFPA 1, 16.4.3.1.3, 2009 EDITION) 2. CLEARANCES OF SEVEN AND ONE HALF FEET (7 FT-6 IN.) IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT, WITH A FOUR FOOT CLEARANCE TO THE REAR OF THE HYDRANT. (NFPA 1, 18.3.4.1, 2009) 3. NEW FIRE HYDRANT(S) SHALL BE INSTALLED SO THAT POSITIONED NOT MORE THAN 7 FEET 6 INCHES AWAY FROM CURB OR BERM OF THE ROADWAY.	
LEGEND		SEWER NOTES			

PROPERTY INFORMATION:
- PID#: 06-2N-28-0000-0001-0000
- ADDRESS: 2430 JAMESTOWN ROAD
- TOTAL LOTS ACREAGE: 2.63 ACRES (114,729 SF)
- LEASE ACREAGE: 1.09 ACRES (47,545 SF)
- LOCATION: FERNANDINA BEACH, FL
- FLOOD ZONE: X
- ZONING: I-A
- FUTURE LAND USE: INDUSTRIAL
- PROPOSED USE: AIRCRAFT HANGAR
- MAX BUILDING HEIGHT: 45 FT

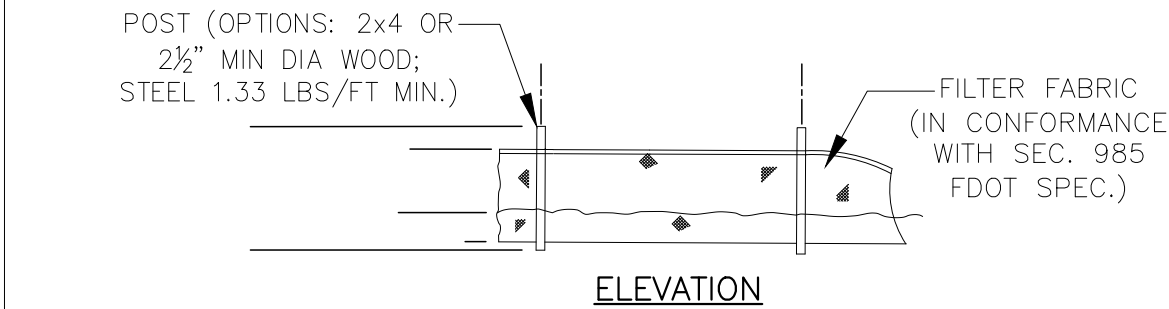
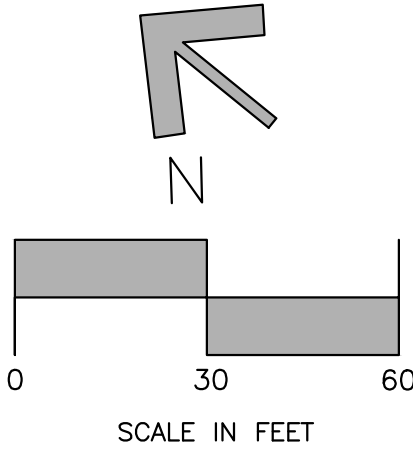
DEVELOPMENT REQUIREMENTS:
- MAX IMPERVIOUS AREA: 60%
- MAX FLOOR AREA RATIO (PERCENTAGE): 50%

SETBACK REQUIREMENTS:
- FRONT: 0 FEET
- REAR: 0 FEET
- SIDES: 0 FEET

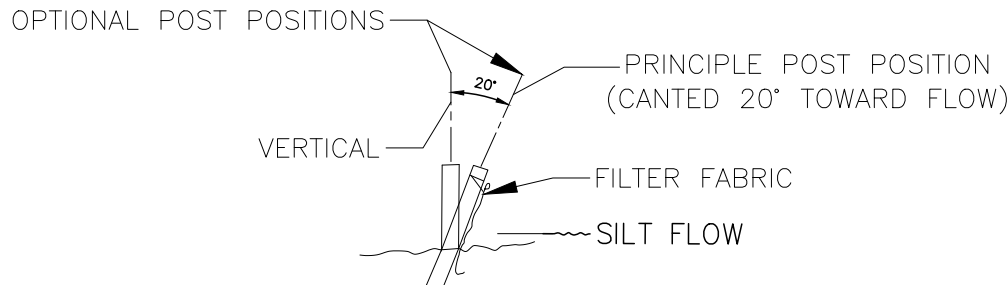
UTILITIES:
- WATER: CITY OF FERNANDINA BEACH
- SEWER: CITY OF FERNANDINA BEACH
- POWER: F.P.U.

NEAREST FIRE HYDRANT IS 60 FEET NORTH ACROSS JAMESTOWN ROAD

NOT FOR CONSTRUCTION

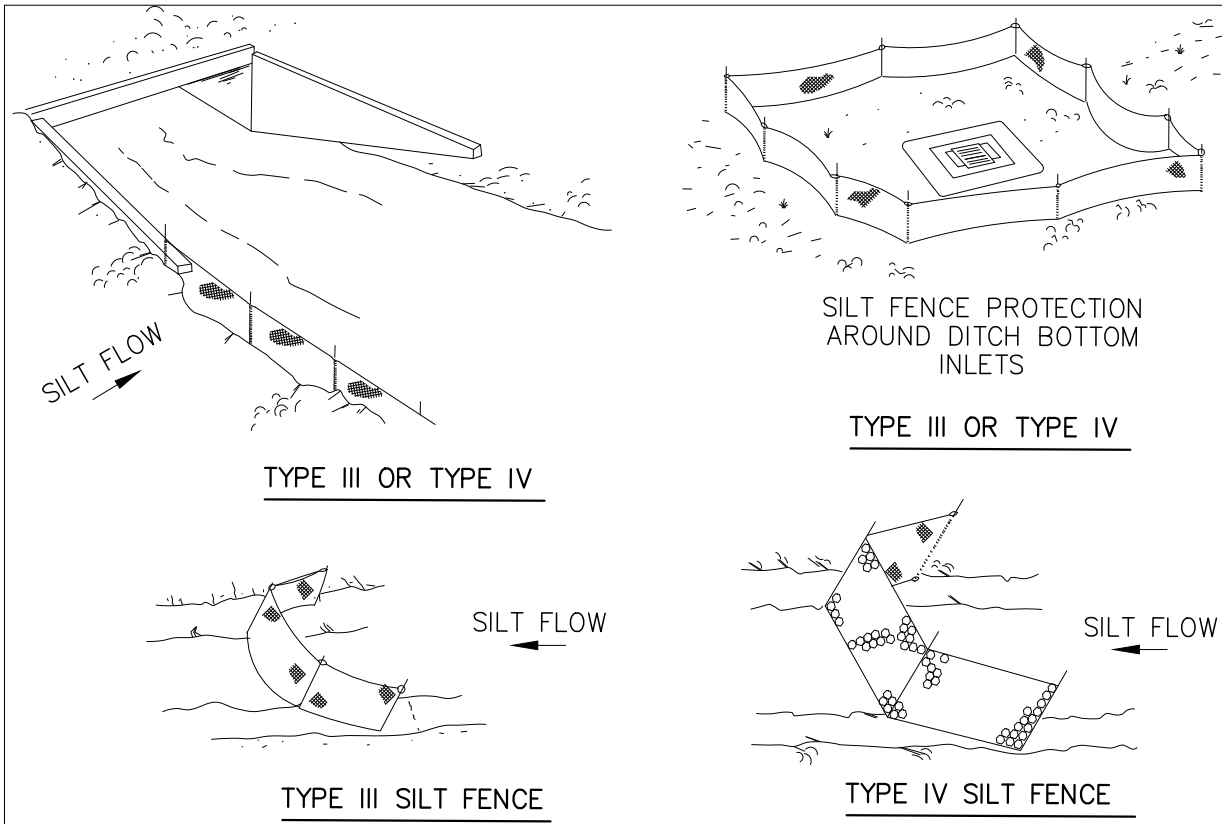


ELEVATION



SECTION

TYPE III SILT FENCE DETAIL



SILT FENCE APPLICATIONS

LEGEND	
	CONCRETE
	ASPHALT

K			
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C			
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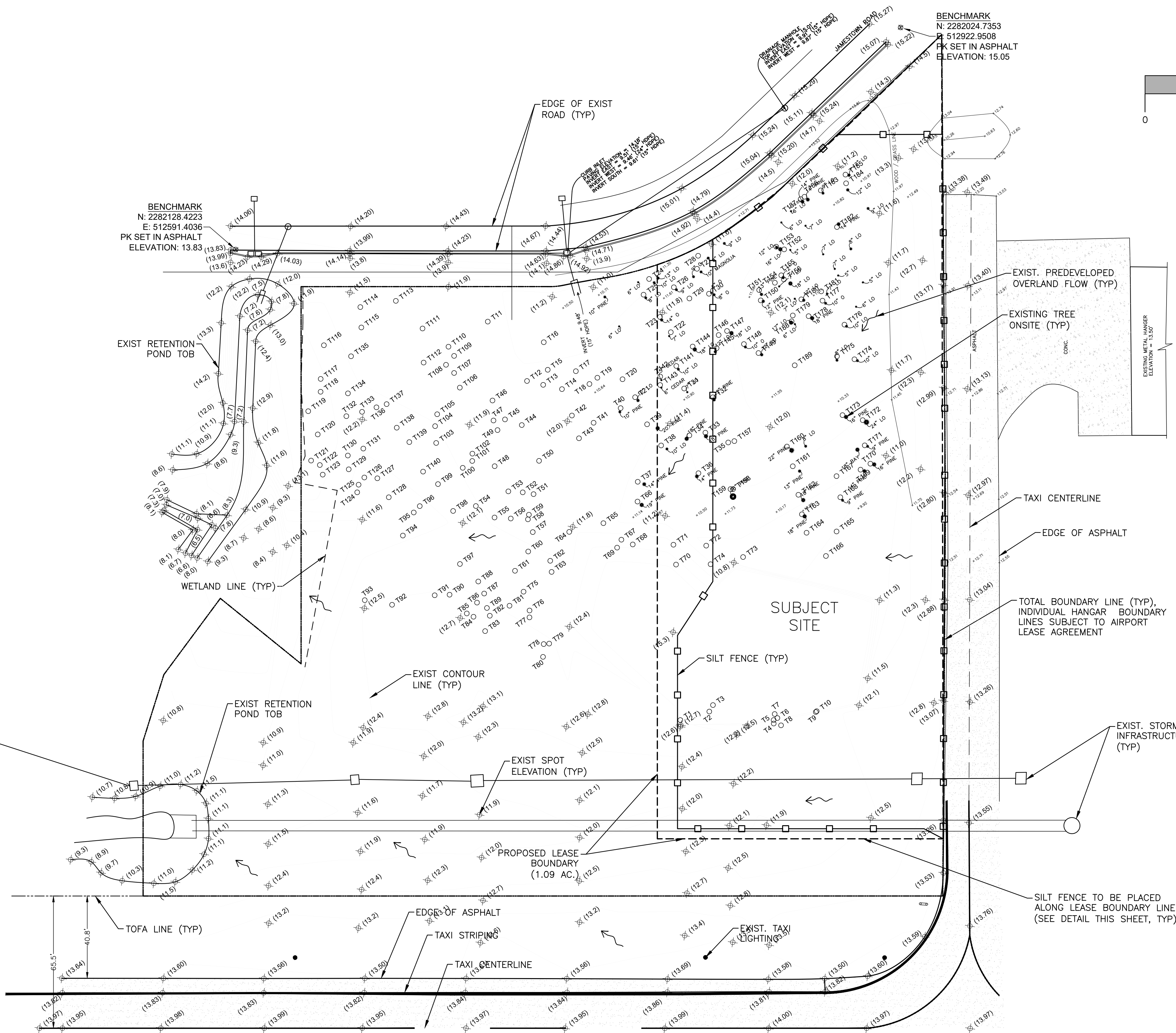
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GILLETTE & ASSOCIATES, INC.
31 SOUTH 4TH STREET FERNANDINA BEACH, FL 32034
PHONE: (904) 261-8819

AIRPORT HANGAR DESIGN
JAMESTOWN ROAD
FERNANDINA BEACH, FLORIDA

JAMESTOWN ROAD HANGARS

PREDEVELOPED SITE PLAN

REGISTERED DESIGN PROFESSIONAL	ISSUE DATE: 08/01/24
	Sheet PRE-1
ASA R. GILLETTE, P.E. FLORIDA P.E. NO. 56177	Page 3 of 7
	Project No. XX-XX-XX



PROPERTY INFORMATION:
- PID#: 06-2N-28-0000-0001-0000
- ADDRESS: 2430 JAMESTOWN ROAD
- TOTAL LOTS ACREAGE: 2.63 ACRES (114,729 SF)
- LEASE ACREAGE: 1.09 ACRES (47,545 SF)
- LOCATION: FERNANDINA BEACH, FL
- FLOOD ZONE: X
- ZONING: I-A
- FUTURE LAND USE: INDUSTRIAL
- PROPOSED USE: AIRCRAFT HANGAR
- MAX BUILDING HEIGHT: 45 FT

DEVELOPMENT REQUIREMENTS:
- MAX IMPERVIOUS AREA: 60.0%
- PROPOSED IMPERVIOUS AREA: 59.9% (28,475 SF)
- MAX FLOOR AREA RATIO (PERCENTAGE): 50%
- PROPOSED FLOOR AREA RATIO (PERCENTAGE): 32.9%

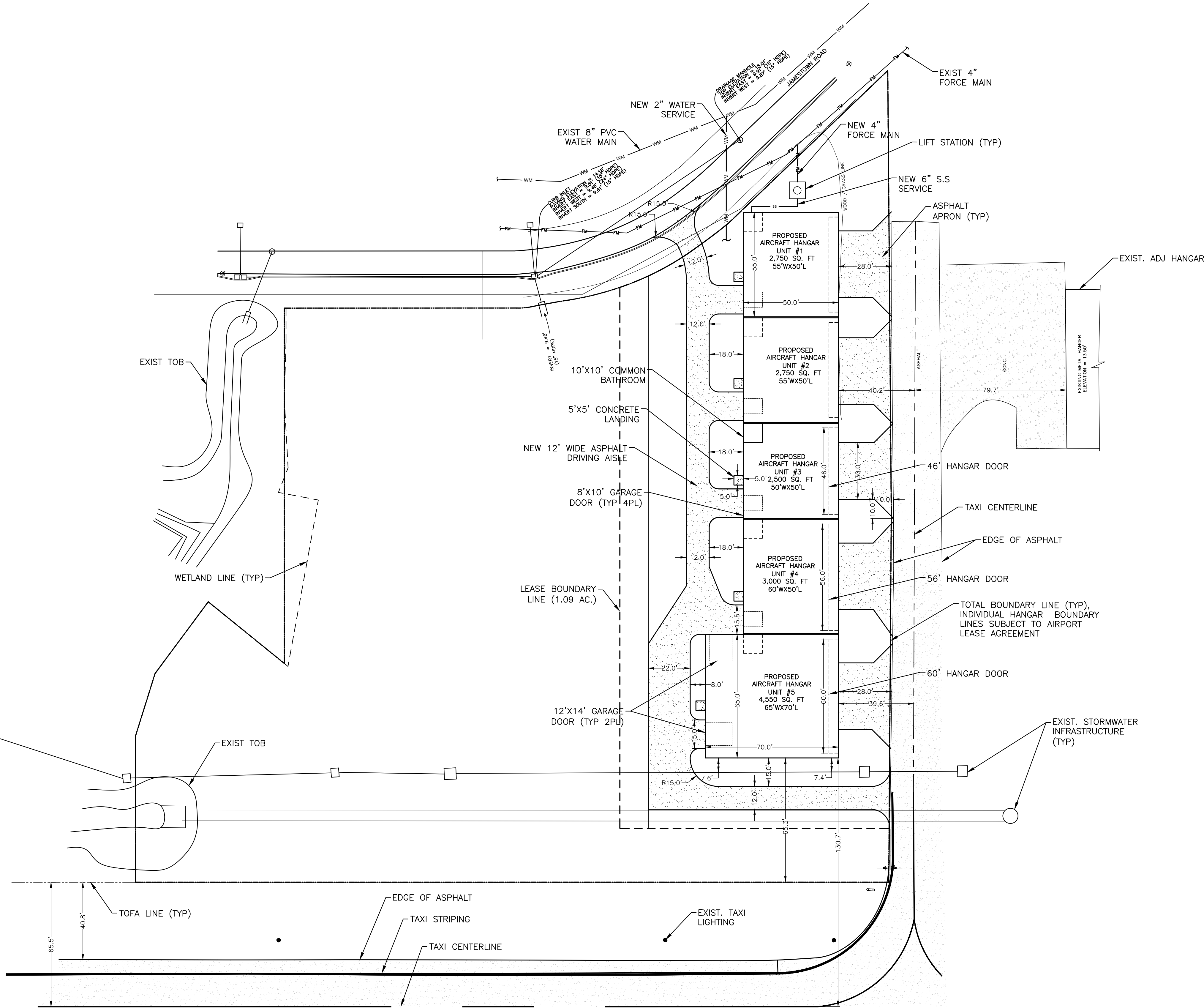
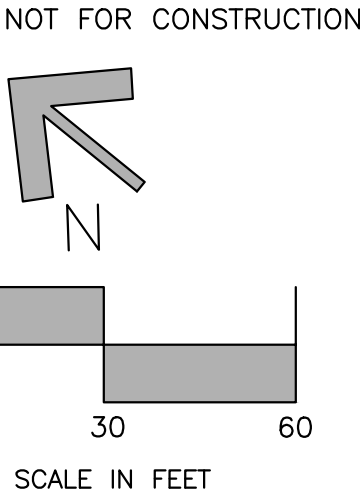
SETBACK REQUIREMENTS:
- FRONT: 0 FEET
- REAR: 0 FEET
- SIDES: 0 FEET

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

NEAREST FIRE HYDRANT IS 60 FEET NORTH ACROSS JAMESTOWN ROAD

PARKING REQUIREMENTS:
ONE (1) SPACE PER HANGAR UNIT
5 UNITS = 5 PARKING SPOTS

NOTES:
- EXTERIOR HANGAR MATERIAL: METAL SIDING IN NEUTRAL AIRPORT APPROVED COLOR



LEGEND			
	CONCRETE		ASPHALT

K				
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31 SOUTH 4TH STREET FERNANDINA BEACH, FL 32034
PHONE: (904) 261-8819

AIRPORT HANGAR DESIGN JAMESTOWN ROAD FERNANDINA BEACH, FLORIDA	JAMESTOWN ROAD HANGARS	GEOMETRY PLAN	REGISTERED DESIGN PROFESSIONAL ASA R. GILLETTE, P.E. FLORIDA P.E. NO. 56177	ISSUE DATE: 08/01/24 Sheet GE-1 Page 4 of 7 Project No. XX-XX-XX
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- FUTURE LAND USE: INDUSTRIAL
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- MAX BUILDING HEIGHT: 45 FT

DEVELOPMENT REQUIREMENTS:

- MAX IMPERVIOUS AREA: 60.0%
- MAX FLOOR AREA RATIO (PERCENTAGE): 50%
- CONCRETE: 125 SF
- ASPHALT: 12,700 SF
- BUILDINGS: 15,650 SF
- PROPOSED IMPERVIOUS AREA: 59.9% (28,475 SF)
- PROPOSED FLOOR AREA RATIO (PERCENTAGE): 32.9%

DRAINAGE NOTES:

- DRAINAGE STRUCTURE DETAILS ON SHEET D-1
- WATER RUNOFF TO BE DIRECTED TO NEAREST DRAINAGE STRUCTURE

STRUCTURE TABLE - PROPOSED						
NAME	TYPE	TOP/ INLET ELEV.	INVERT ELEVATION			
			N	S	E	W
S-1	TYPE C INLET	12.8	-	5.91	-	-
S-2	TYPE C INLET	12.8	5.72	5.70	-	-
S-3	TYPE C INLET	12.8	5.49	5.47	-	-
S-4	TYPE C INLET	12.8	5.22	5.20	-	-
S-5	TYPE C INLET	12.8	4.95	4.93	-	-
S-6	TYPE C INLET	12.5	-	5.18	5.68	-
S-7	TYPE C INLET	12.5	4.93	4.90	5.43	-
S-8	TYPE C INLET	12.5	4.65	4.62	5.15	-
S-9	36"Ø MANHOLE	13.0	4.38	4.36	4.88	-
S-10	TYPE E INLET	12.4	4.02	-	3.97	3.95

PIPE TABLE - PROPOSED					
NAME	SIZE	TYPE	LENGTH	FROM	TO
P-1	24"	ADS HP	54'	S-1	S-2
P-2	12"	ADS HP	48'	S-2	S-3
P-3	12"	ADS HP	52'	S-3	S-4
P-4	12"	ADS HP	59'	S-4	S-5
P-5	12"	ADS HP	35'	S-5	S-6
P-6	12"	ADS HP	53'	S-6	S-7
P-7	12"	ADS HP	48'	S-7	S-8
P-8	12"	ADS HP	42'	S-8	S-9
P-9	12"	ADS HP	67'	S-9	S-10

STRUCTURE TABLE - EXIST							
NAME	TYPE	TOP/ INLET ELEV.	INVERT ELEVATION				
			N	S	E	W	
ES-1	TYPE C INLET	11.65	-	-	-	4.45	
ES-2	TYPE C INLET	11.77	*4.75	-	4.26	4.25	
ES-3	TYPE C INLET	11.91	-	-	3.62	3.54	
ES-4	TYPE C INLET	11.72	-	-	3.59	3.50	
ES-5	TYPE C INLET	11.61	-	-	3.35	3.29	
ES-6	MES	-	-	-	1.62	-	

NOTE: *EP-2 TO HAVE NEW NORTH INVERT 4.75'

PIPE TABLE - EXIST					
NAME	SIZE	TYPE	LENGTH	FROM	TO
EP-1	36"	RCP	46'	EP-1	EP-2
EP-2	36"	RCP	212'	EP-2	EP-3
EP-3	36"	RCP	55'	EP-3	EP-4
EP-4	36"	RCP	105'	EP-4	EP-5
EP-5	36"	RCP	133'	EP-5	EP-6

LEGEND	
	CONCRETE
	ASPHALT

K					
J					
I					
H					
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Certificate of Authorization No. 9332
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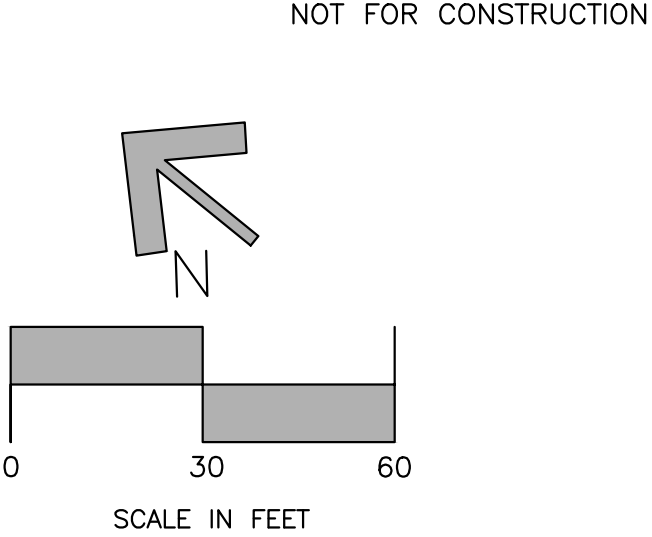
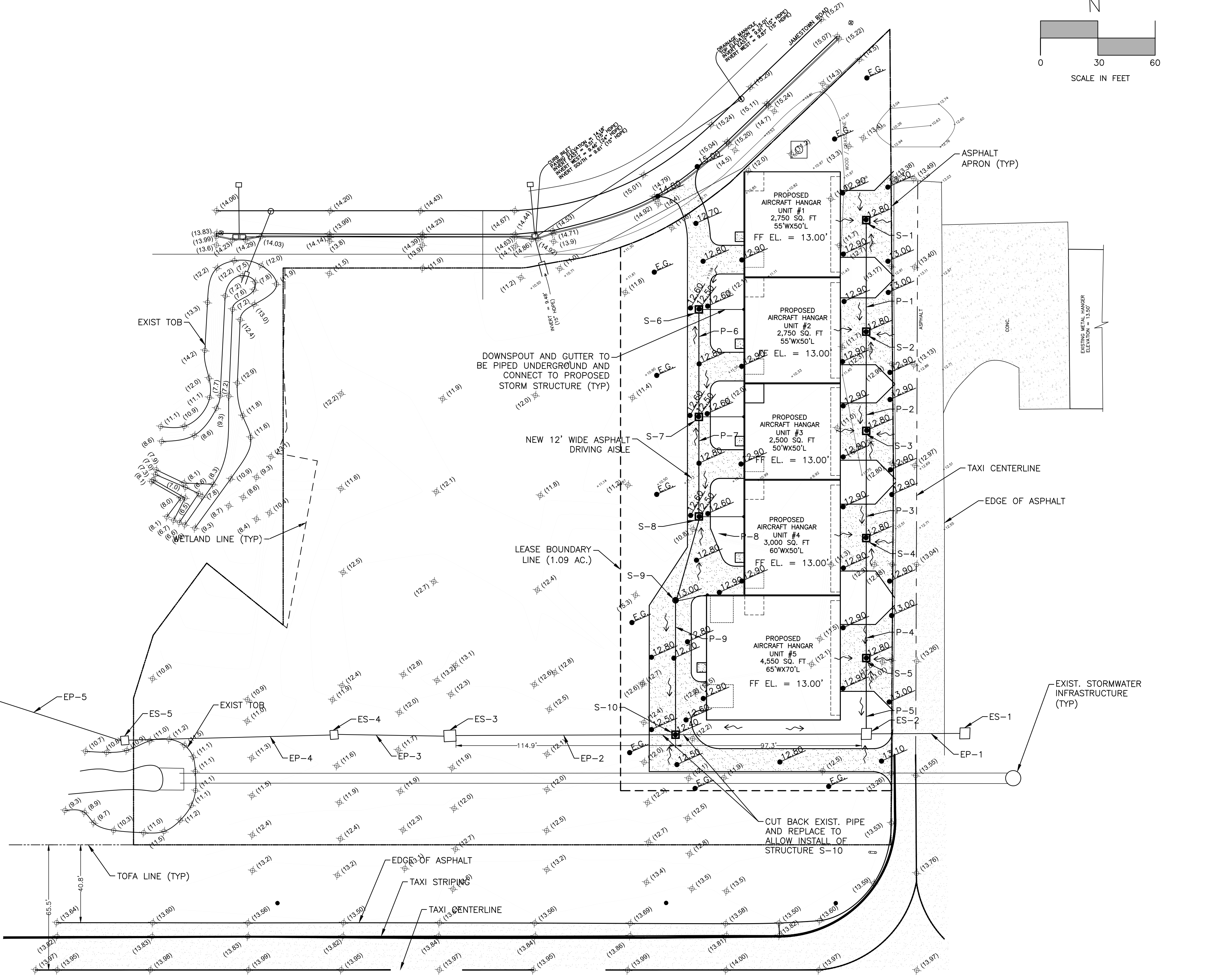
G & A [®]
GILLETTE & ASSOCIATES, INC.
31 SOUTH 4TH STREET FERNANDINA BEACH, FL 32034
PHONE: (904) 261-8819

AIRPORT HANGAR DESIGN
JAMESTOWN ROAD
FERNANDINA BEACH, FLORIDA

JAMESTOWN ROAD HANGARS

DRAINAGE PLAN

REGISTERED DESIGN PROFESSIONAL	ISSUE DATE: 08/01/24
	Sheet DR-1
ASA R. GILLETTE, P.E. FLORIDA P.E. NO. 56177	Page 5 of 7
	Project No. XX-XX-XX



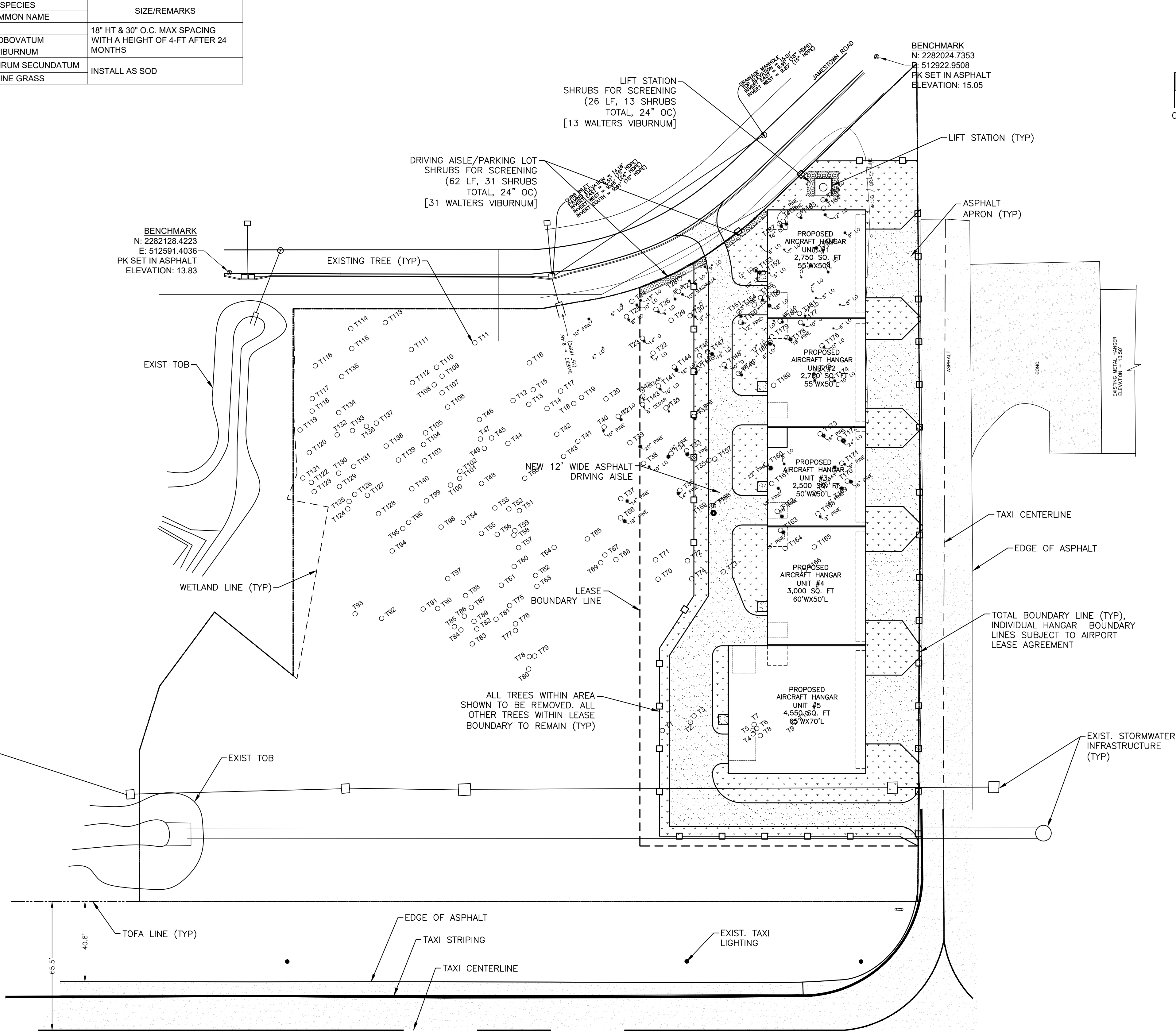
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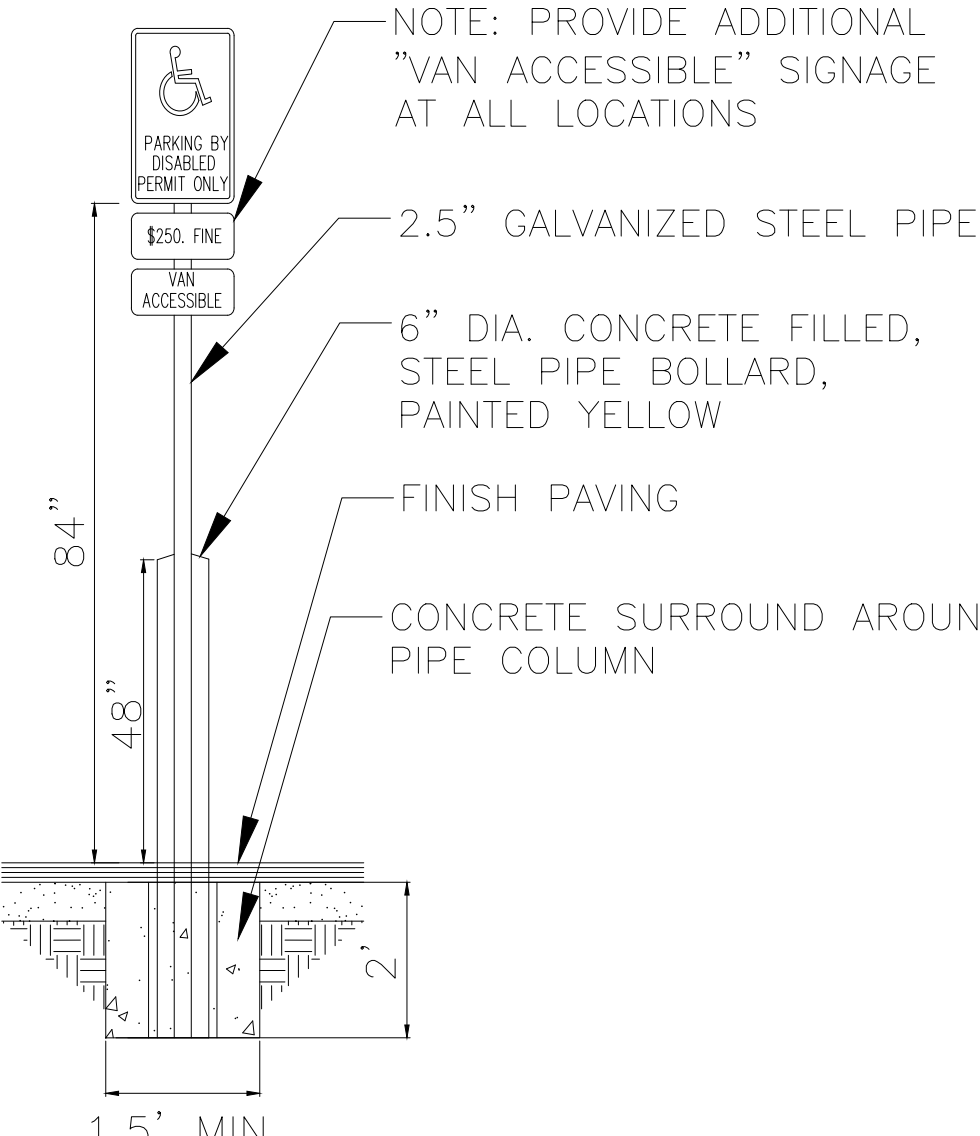
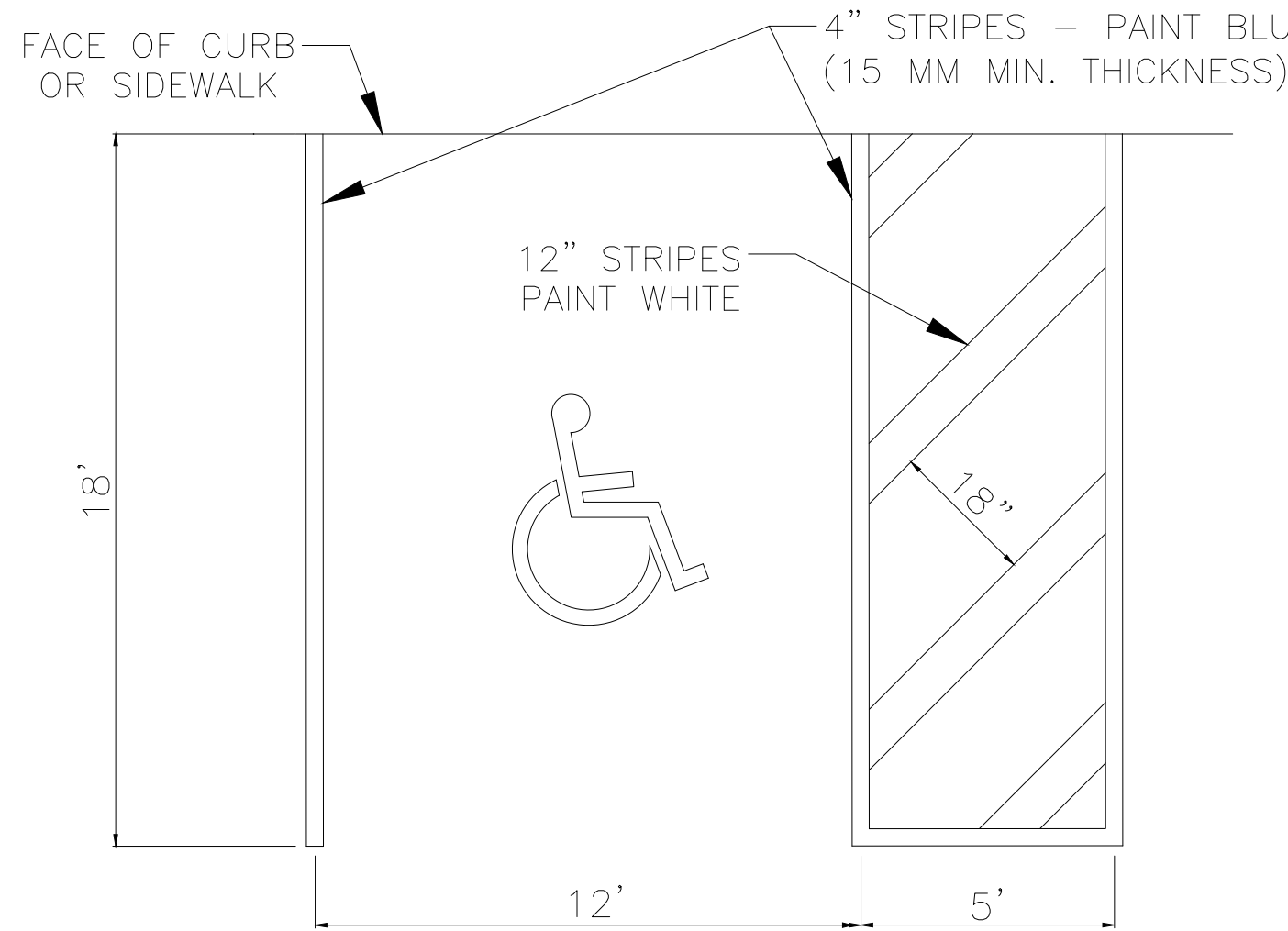
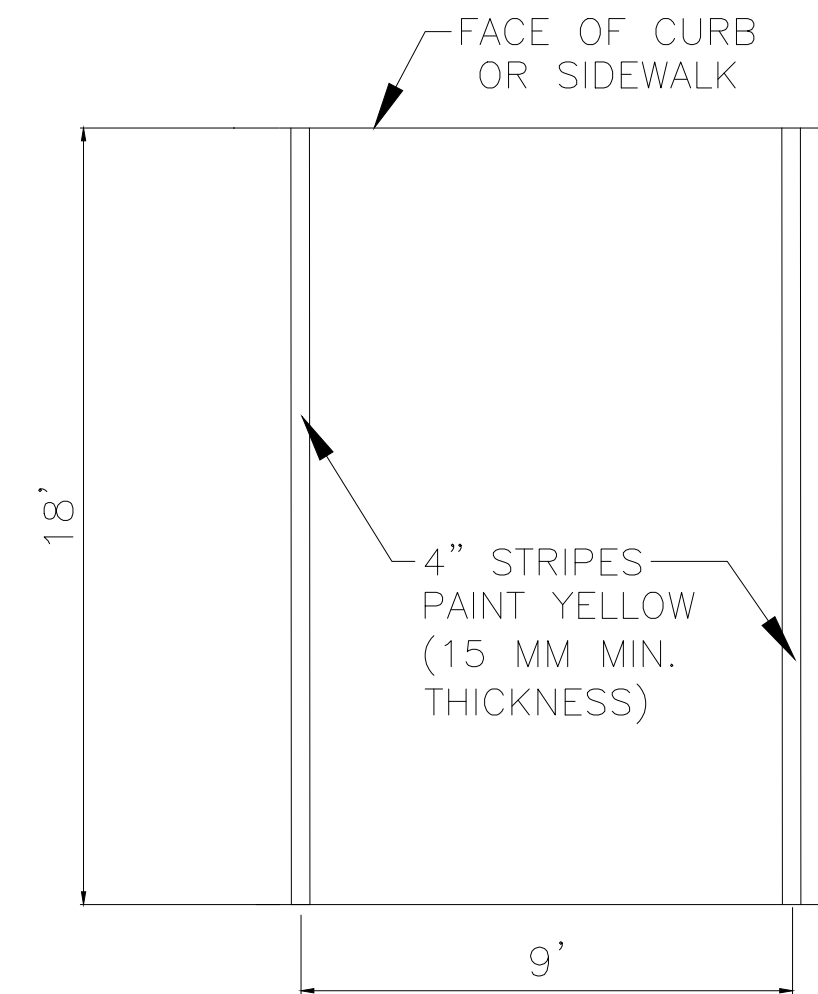
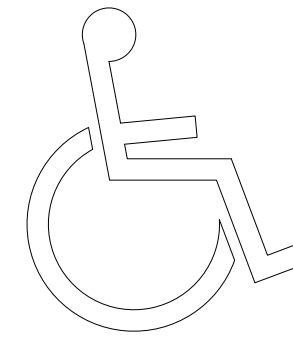
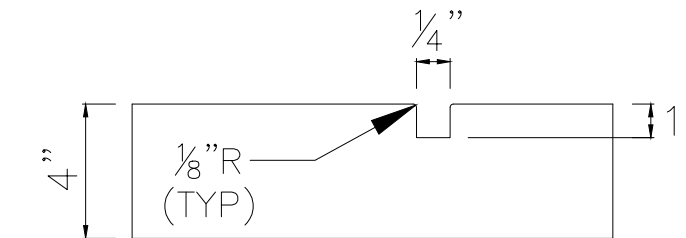
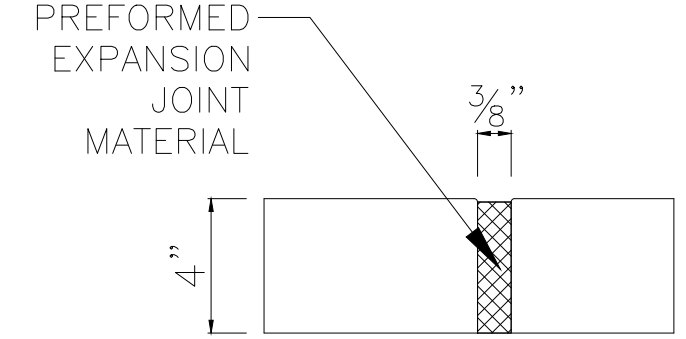
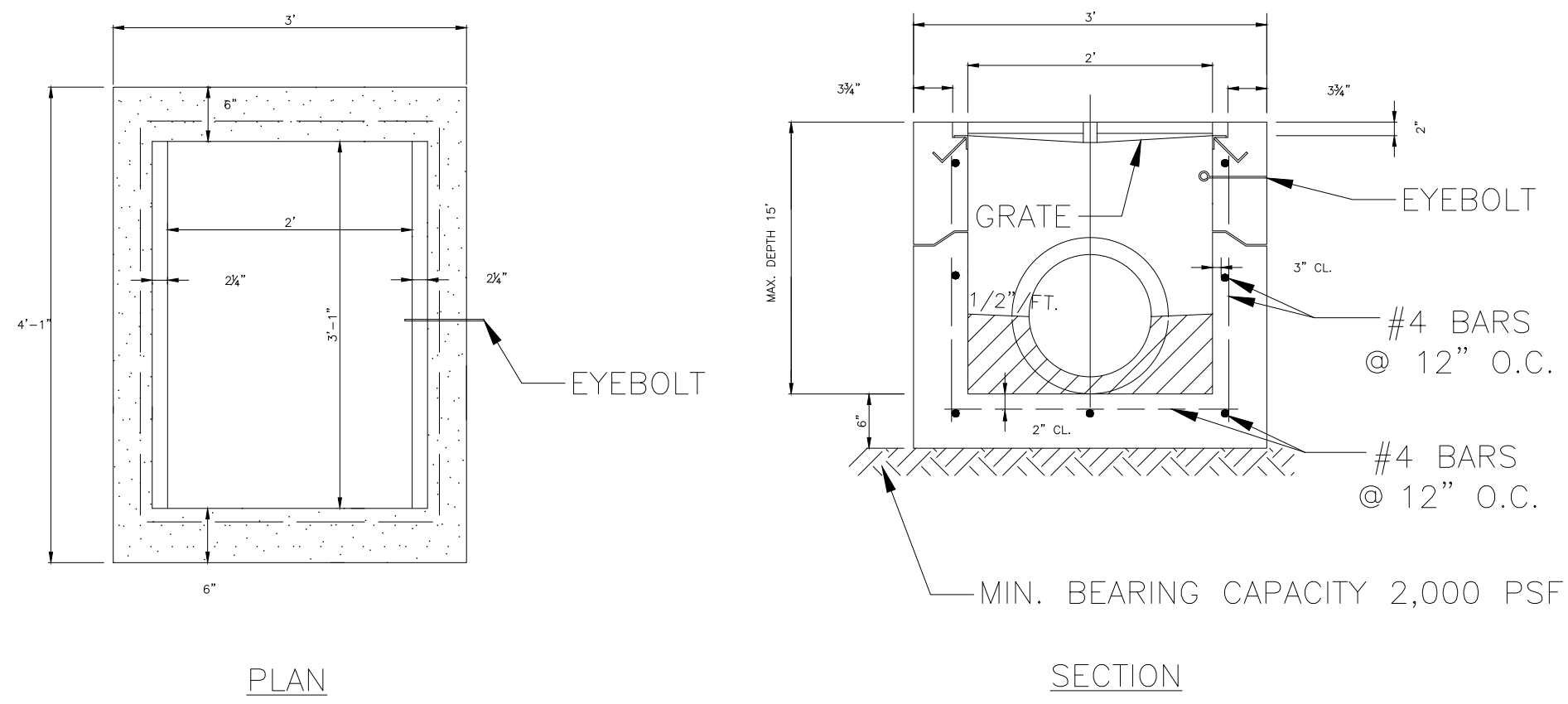
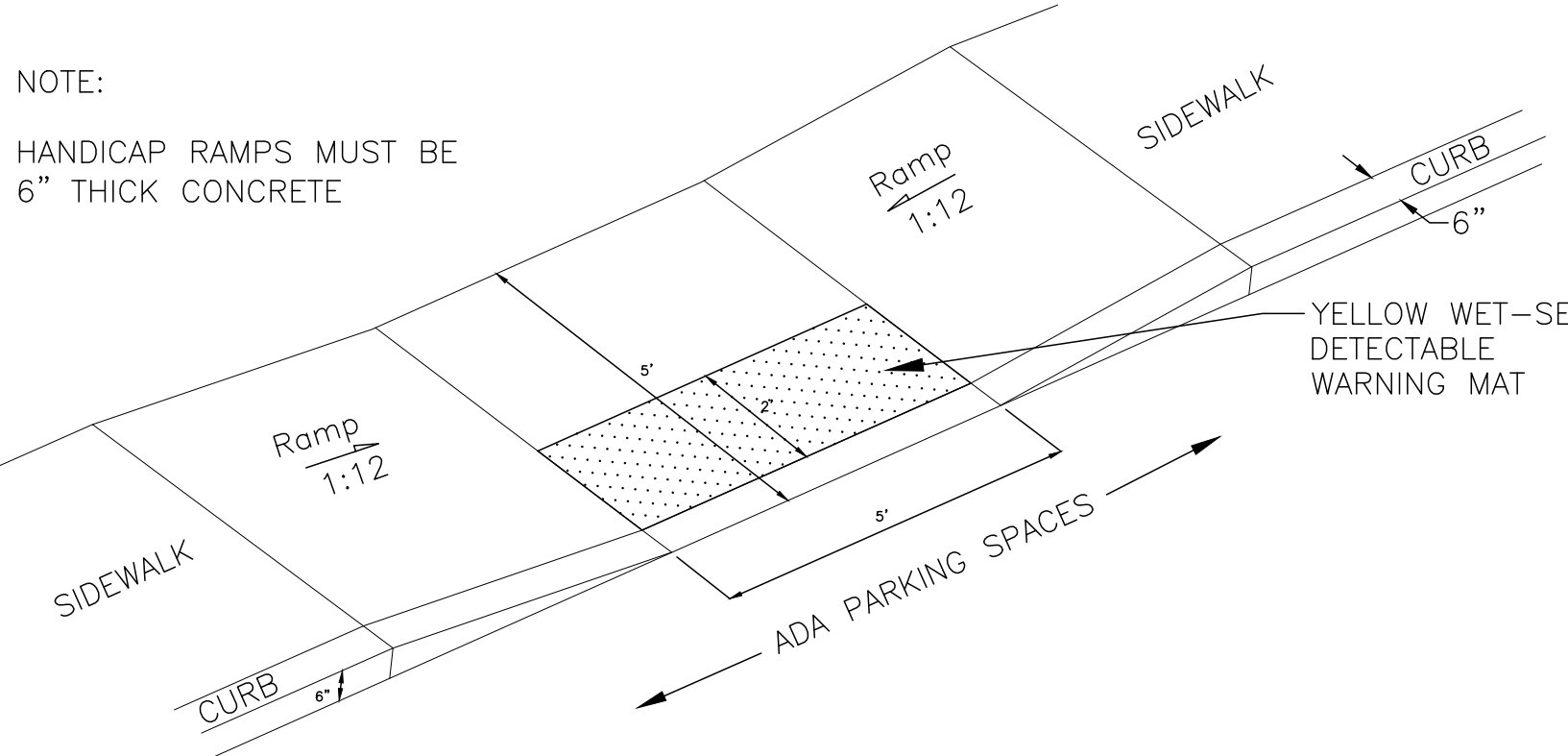
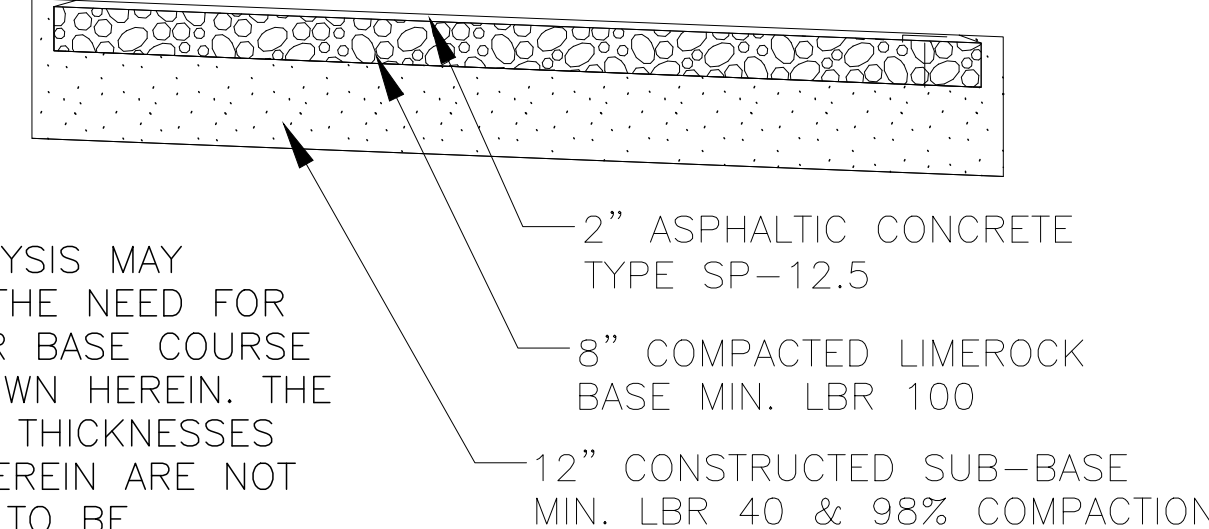
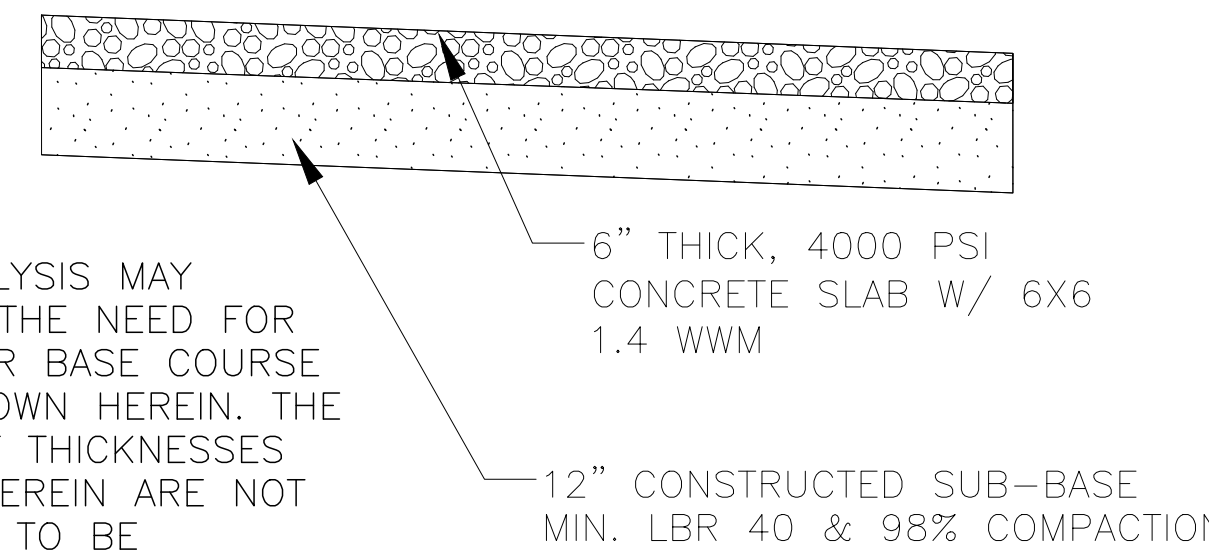
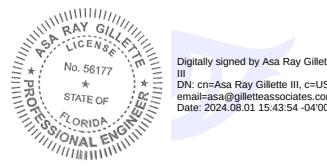
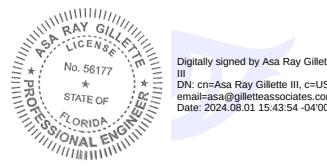
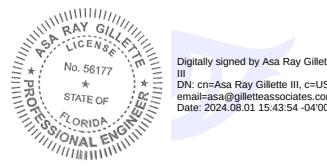
- PID#: 06-2N-28-0000-0001-0000
- ADDRESS: 2430 JAMESTOWN ROAD
- TOTAL LOTS ACREAGE: 2.63 ACRES (114,729 SF)
- LEASE ACREAGE: 1.09 ACRES (47,545 SF)
- LOCATION: FERNANDINA BEACH, FL
- FLOOD ZONE: X
- ZONING: I-A
- FUTURE LAND USE: INDUSTRIAL
- PROPOSED USE: AIRCRAFT HANGAR
- MAX BUILDING HEIGHT: 45 FT

LANDSCAPE NOTES:

- HEDGES SHALL BE PLANTED TO CREATE A CONTINUOUS, UNBROKEN, SOLID VISUAL SCREEN WITHIN (1) ONE YEAR OF PLANTING
- PROPERTY LOCATED WITHIN THE AIRPORT OPERATIONS AREA (AOA). STANDARDS REQUIRE ONLY GRASS OR LOW-LYING VEGETATION FOR UNPAVED AREAS
- UNPAVED AREAS TO BE LANDSCAPED WITH ST. AUGUSTINE GRASS OR EQUIVALENT GRASS SPECIES

PLANT SCHEDULE				
SYMBOL	QTY.	KEY	SPECIES	SIZE/REMARKS
			COMMON NAME	
	44	-	VIBURNUM OBOVATUM	18" HT & 30" O.C. MAX SPACING WITH A HEIGHT OF 4-FT AFTER 24 MONTHS
			WALTER'S VIBURNUM	
	11,395 S.F.	-	STENOTAPHRUM SECUNDATUM	INSTALL AS SOD



NOT FOR CONSTRUCTION																																																																																																																																																					
 NOTE: PROVIDE ADDITIONAL "VAN ACCESSIBLE" SIGNAGE AT ALL LOCATIONS 2.5" GALVANIZED STEEL PIPE 6" DIA. CONCRETE FILLED, STEEL PIPE BOLLARD, PAINTED YELLOW FINISH PAVING CONCRETE SURROUND AROUND PIPE COLUMN 84" 48" 2" 1.5' MIN.				 FACE OF CURB OR SIDEWALK 4" STRIPES - PAINT BLUE (15 MM MIN. THICKNESS) 12" STRIPES PAINT WHITE 18" 12' 5' 18'				 FACE OF CURB OR SIDEWALK 4" STRIPES PAINT YELLOW (15 MM MIN. THICKNESS) 18' 9'																																																																																																																																													
TYPICAL DISABLED PARKING				TYPICAL PARKING DETAIL																																																																																																																																																	
 NOTE: PAINT SYMBOL ABOVE ONTO PAVED SURFACE WITH (2) COATS OF HANDI-CAP BLUE PAINT MANUFACTURED AS PER DEPT. OF TRANS. SPECS.				 DUMMY JOINT 4" 1/8"R (TYP) 1/4" 1"  PREFORMED EXPANSION JOINT MATERIAL 4" 3/8" EXPANSION JOINT				 PLAN SECTION NOTES: 1. CONCRETE DESIGN STRENGTH 4,000 PSI 2. PIPES SHALL BE FLUSH WITH INSIDE WALL 3. SLOT OPENING SHALL NOT BE IN WALLS WITH RATE SEAT																																																																																																																																													
HANDICAP SIGN DETAIL				HANDICAPPED SYMBOL				SIDEWALK JOINT DETAILS				TYPE C INLET DETAIL																																																																																																																																									
 NOTE: HANDICAP RAMPS MUST BE 6" THICK CONCRETE SIDEWALK Ramp 1:12 5' 5' ADA PARKING SPACES 6" 6" YELLOW WET-SET DETECTABLE WARNING MAT CURB				 NOTE: SOIL ANALYSIS MAY INDICATE THE NEED FOR A THICKER BASE COURSE THAN SHOWN HEREIN. THE PAVEMENT THICKNESSES SHOWN HEREIN ARE NOT INTENDED TO BE ABSOLUTE, BUT ARE PRELIMINARY CRITERIA AND MAY BE MODIFIED TO ACCOMMODATE THE BEARING CAPACITIES OF VARIOUS SUBGRADES. 2" ASPHALTIC CONCRETE TYPE SP-12.5 8" COMPACTED LIMEROCK BASE MIN. LBR 100 12" CONSTRUCTED SUB-BASE MIN. LBR 40 & 98% COMPACTION				 NOTE: SOIL ANALYSIS MAY INDICATE THE NEED FOR A THICKER BASE COURSE THAN SHOWN HEREIN. THE PAVEMENT THICKNESSES SHOWN HEREIN ARE NOT INTENDED TO BE ABSOLUTE, BUT ARE PRELIMINARY CRITERIA AND MAY BE MODIFIED TO ACCOMMODATE THE BEARING CAPACITIES OF VARIOUS SUBGRADES. 6" THICK, 4000 PSI CONCRETE SLAB W/ 6X6 1.4 WWM 12" CONSTRUCTED SUB-BASE MIN. LBR 40 & 98% COMPACTION																																																																																																																																													
PARKING LOT CURB RAMP DETAIL				ASPHALT PAVEMENT DETAIL				CONCRETE PAVEMENT DETAIL																																																																																																																																													
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August 16, 2024

Asa Gillette
31 S. 4th Street
Fernandina Beach, FL 32034
tricia@gilletteassociates.com
Sent Via Email to Project Team

Sent Via Email to Project Team

Applicant Name: (Asa Gillette *as Agent*)
Project Description: Hangar Construction on City Leasehold
Location: Jamestown Road
PIN(s):
TRC Case Number: TRC 2024-0007

Mr. Gillette

The City of Fernandina Beach received your request for site plan review on Friday, July 25, 2024. A complete application was determined on Tuesday, August 13, 2024. All submitted documents provided were routed to the Technical Review Committee (TRC). The comments provided as part of this site plan review are valid for six months from the date of issuance.

Please submit response documents to address each comment in a narrative form and with an amended site plan. Please contact the office to schedule the formal public hearing for this case. The next available date is Thursday, August 22nd, 2024.

If you have any questions, please contact us at TRCinfo@fbfl.city or 904-310-3480.

Sincerely,

Kelly N. Gibson, AICP
TRC Coordinator

REVIEW COMMENTS:

PLANNING



☒ The Planning Department has reviewed the submittal and noted the following comments:

Tree mitigation and shade tree requirements met through retained trees on property.

Dn 8/13/24

Please label required parking spaces on plan sheets to show their locations.

Will the trees located on the non-airfield side be retained to meet the minimum 20% landscape requirement?

OR

☐ All previous comments have been addressed and the Department of Planning & Conservation approves issuance of a local development order.

Name of Reviewer: Planning Staff

Today's Date: Thursday, August 16, 2024 [Select Date](#)

BUILDING

☐ The Building Department has reviewed the submittal and noted the following comments:

No comments received as of date of letter issuance.

OR

☐ All previous comments have been addressed and the Building Department approves issuance of a local development order.

Name of Reviewer: First Last

Today's Date: [Select Date](#)

UTILITIES, STORMWATER, & STREETS

☒ The Public Works Department has reviewed the submittal and noted the following comments:

- Please include the utility locations on the plans. Also note who will own and maintain the utilities.
- Please include details on the lift station so we can ensure it meets the standards.
- Please show tie-in to the forcemain.

OR

☐ All previous comments have been addressed and the Public Works Department approves issuance of a local development order.



Name of Reviewer: Victoria Guadagnino
Today's Date: Wednesday, August 14, 2024

CODE ENFORCEMENT

☐ The Code Enforcement Department has reviewed the submittal and noted the following comments:

No Comments received as of letter date of issuance.

OR

☐ All previous comments have been addressed and the Code Enforcement Department approves issuance of a local development order.

Name of Reviewer: First Last

Today's Date: Select Date

FIRE

☐ The Fire Department has reviewed the submittal and noted the following comments:

OR

☒ All previous comments have been addressed and the Fire Department approves issuance of a local development order.

Name of Reviewer: Jason Higginbotham

Today's Date: Thursday, August 15, 2024