

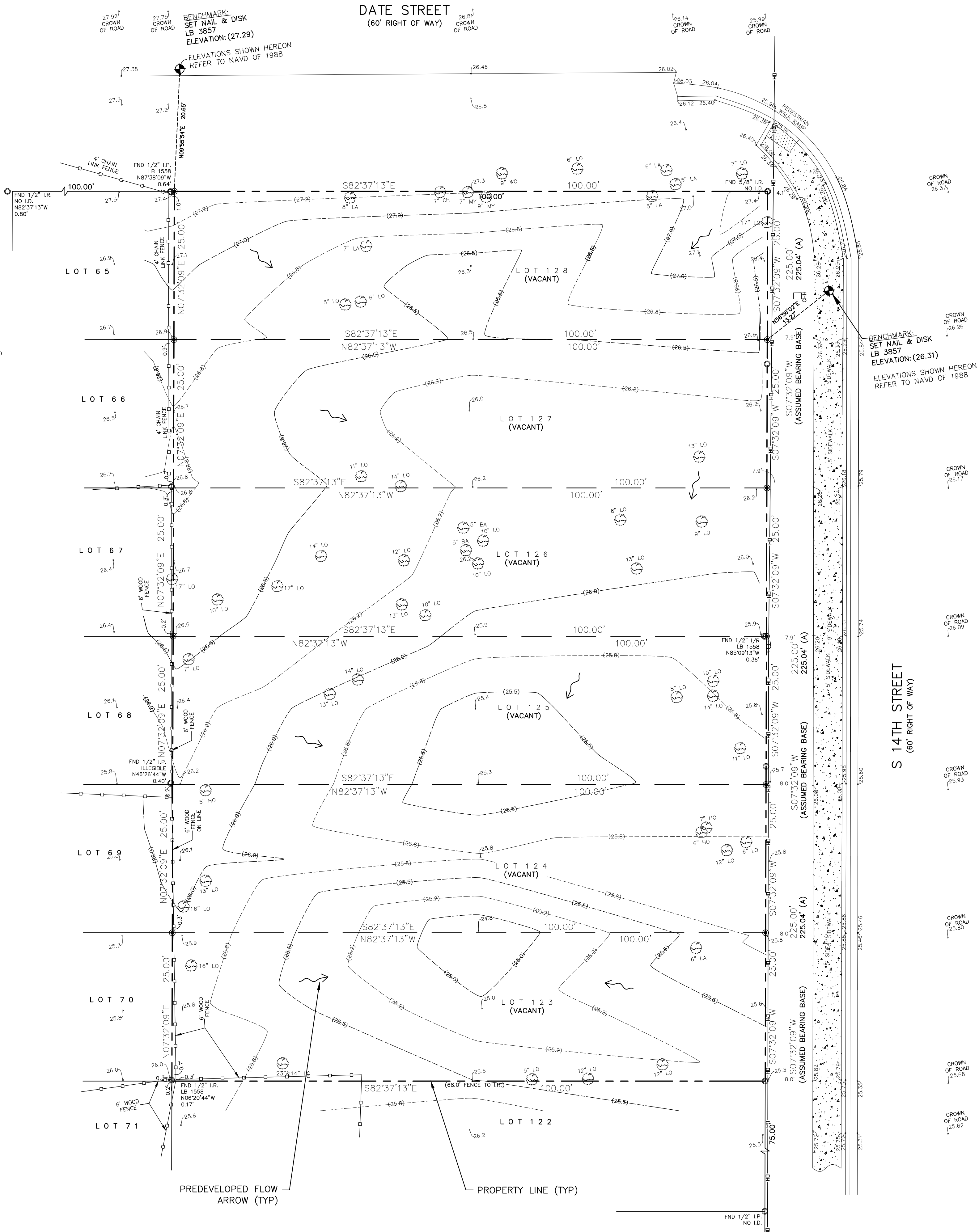
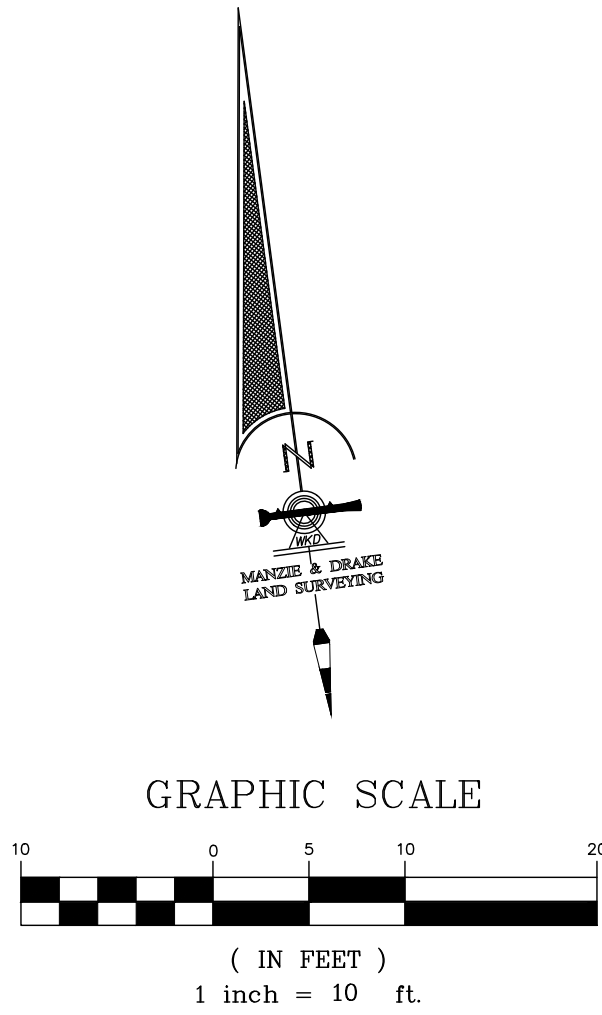


**AGENDA
TECHNICAL REVIEW COMMITTEE
REGULAR MEETING
DECEMBER 17, 2020
9:00 AM
CITY HALL COMMISSION CHAMBERS
204 ASH STREET
FERNANDINA BEACH, FL 32034**

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PLEDGE OF ALLEGIANCE**
- 4. APPROVAL OF MINUTES**
- 5. DISCUSSION ITEMS**
 - 5.1 Pre-Application Discussion - Asa Gillette, Gillette & Associates, S. 14th St.: To discuss the construction of a 5 single-family lot residential subdivision.
- 6. NEW BUSINESS**
- 7. OLD BUSINESS**
- 8. DEVELOPMENT INQUIRIES FROM APPLICANTS NOT ON THE AGENDA - DISCUSSION ONLY, NO ACTION TO BE TAKEN.**
- 9. COMMITTEE BUSINESS**
- 10. ADJOURNMENT**

NEXT REGULAR TRC MEETING IS SCHEDULED FOR JANUARY 14, 2021

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



S 14TH STREET
(60' RIGHT OF WAY)

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

REGISTERED DESIGN PROFESSIONAL

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

REV	DATE	ITEM
0	10/06/20	ISSUE FOR PERMIT AND CONSTRUCTION

GILLETTE & ASSOCIATES, INC.

CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING

CERTIFICATE OF AUTHORIZATION NO. 9332

ASA R. GILLETTE, P.E. * FL. PE. NO. 56177

20 S. 4th STREET * FERNANDINA BEACH, FL 32034

PHONE: 904-261-8819 * www.gilletteassociates.com

RIVER GREEN RESIDENCES

Lots 123-128 S 14th Street
Fernandina Beach, Florida 32034

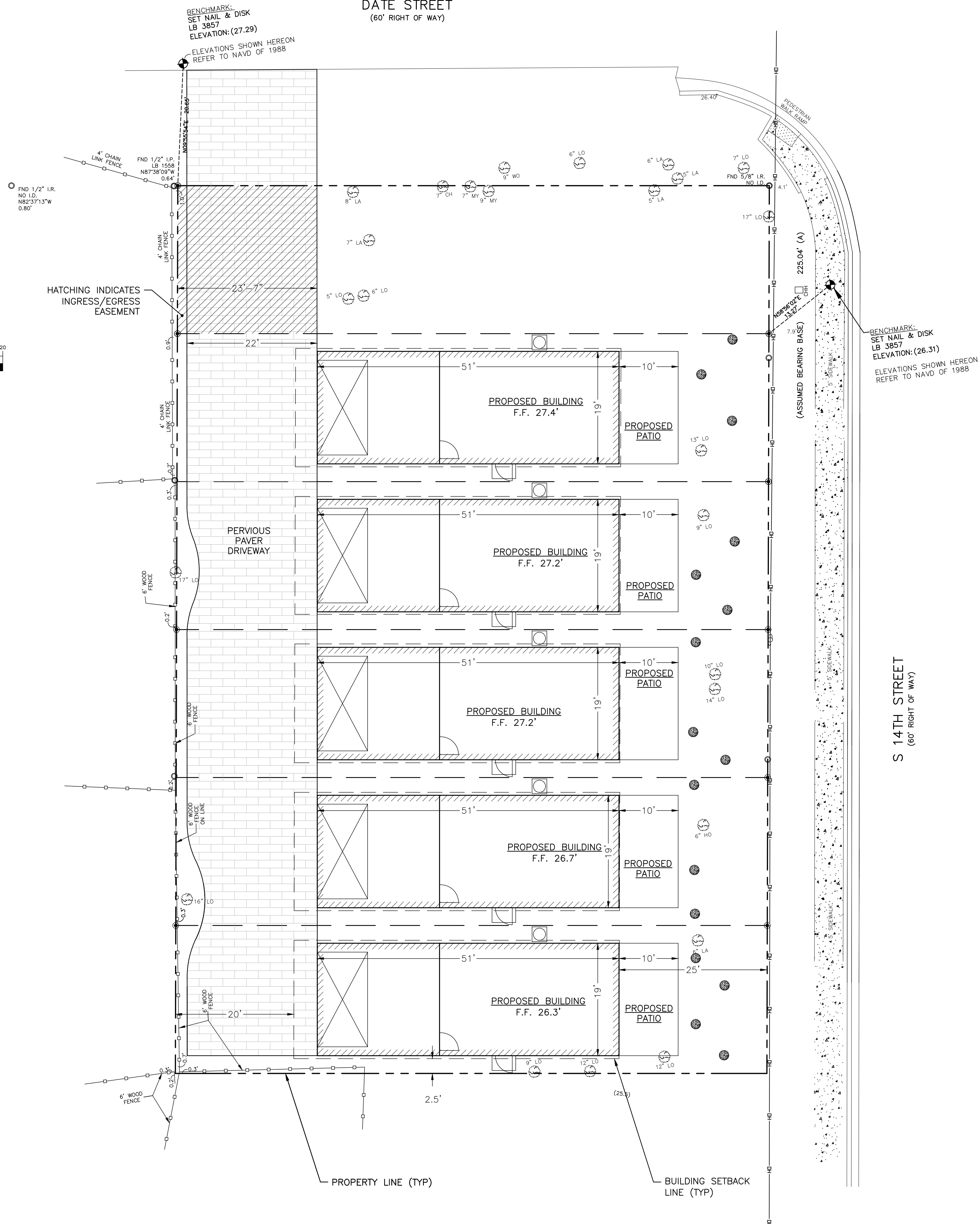
DATE: 10/06/20

PREDEVELOPMENT PLAN

North / Elev Key Sheet

PRE-1

Page 1 of 5

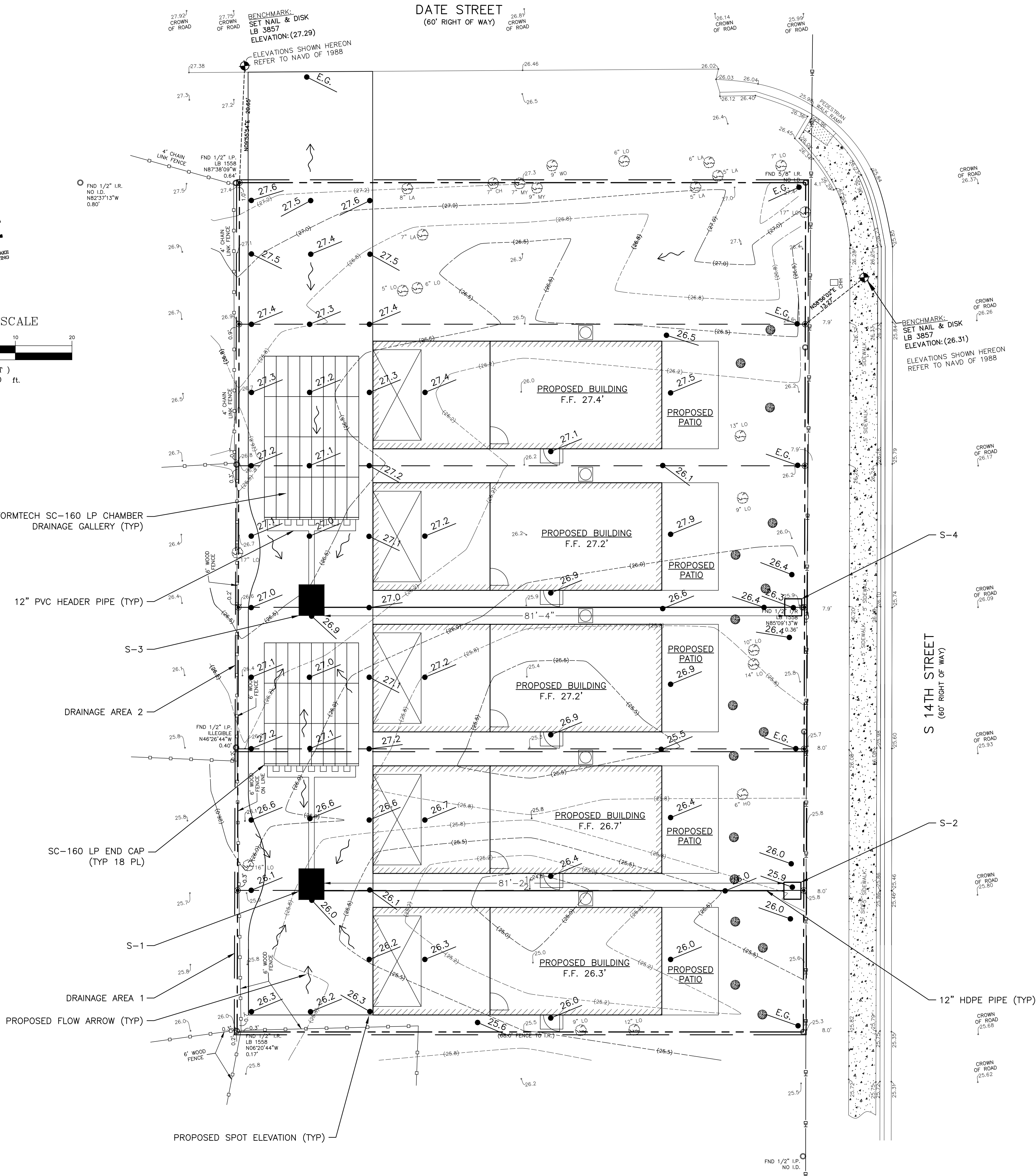
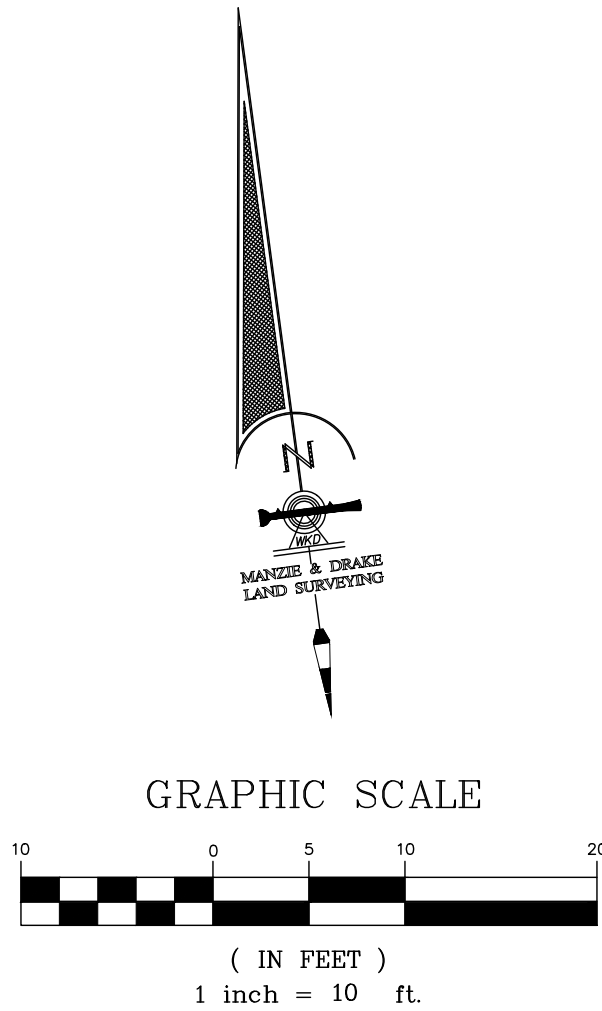


BENCHMARK:
SET NAIL & DISK
LB 3857
ELEVATION: (26.31)

ELEVATIONS SHOWN HEREON
REFER TO NAVD OF 1988

S 14TH STREET
(60' RIGHT OF WAY)

	North / Elev Key	Sheet
		GE-1
	Page 2 of 5	



SUBJECT PROPERTY
PARCEL ID: 00-00-31-1800-0241-1230
USE: SINGLE-FAMILY RESIDENCES
ZONING: R-2
FLOOD ZONE: X

DRAINAGE CALCULATIONS

DRAINAGE AREA 1
DRAINAGE AREA: 5,000 SF
IMPERVIOUS AREA: 3,452 SF

TOTAL LOT RUNOFF:
 $(5,000 \text{ S.F.}) \times (0.5") \times (\frac{1}{12} \text{ FT/IN}) = 208 \text{ C.F.}$
TOTAL IMPERVIOUS AREA RUNOFF:
 $(3,452 \text{ S.F.}) \times (1.0") \times (\frac{1}{12} \text{ FT/IN}) = 288 \text{ C.F.}$

TREATMENT PROVIDED: 312 C.F.

DRAINAGE AREA 2
DRAINAGE AREA: 10,000 SF
IMPERVIOUS AREA: 5,728 SF

TOTAL LOT RUNOFF:
 $(10,000 \text{ S.F.}) \times (0.5") \times (\frac{1}{12} \text{ FT/IN}) = 417 \text{ C.F.}$
TOTAL IMPERVIOUS AREA RUNOFF:
 $(5,728 \text{ S.F.}) \times (1.0") \times (\frac{1}{12} \text{ FT/IN}) = 477 \text{ C.F.}$

TREATMENT PROVIDED: 480 C.F.

STRUCTURE TABLE					
NAME	TYPE	TOP/ INLET ELEV.	INVERT ELEVATION		
			N	S	W
S-1	TYPE C INLET	26.0	23.5	-	23.9
S-2	TYPE C INLET	25.9	-	-	23.9
S-3	TYPE C INLET	26.9	23.9	-	24.3
S-4	TYPE C INLET	26.3	-	-	24.3

NOTES

S-1 AND S-3 TO BE FITTED WITH SUMP TO TRAP
SEDIMENT.

SEE SHEET DT-1 FOR GALLERY DETAILS.

ALL ROOF RUNOFF TO BE DIRECTED TO DRIVEWAY AND
CHAMBERS.

DRAINAGE GALLERY TO BE INSPECTED AND CLEANED
ANNUALLY. MAINTENANCE OF GALLERY IS THE
RESPONSIBILITY OF THE HOMEOWNERS ASSOCIATION.

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

REGISTERED DESIGN PROFESSIONAL
ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 96177

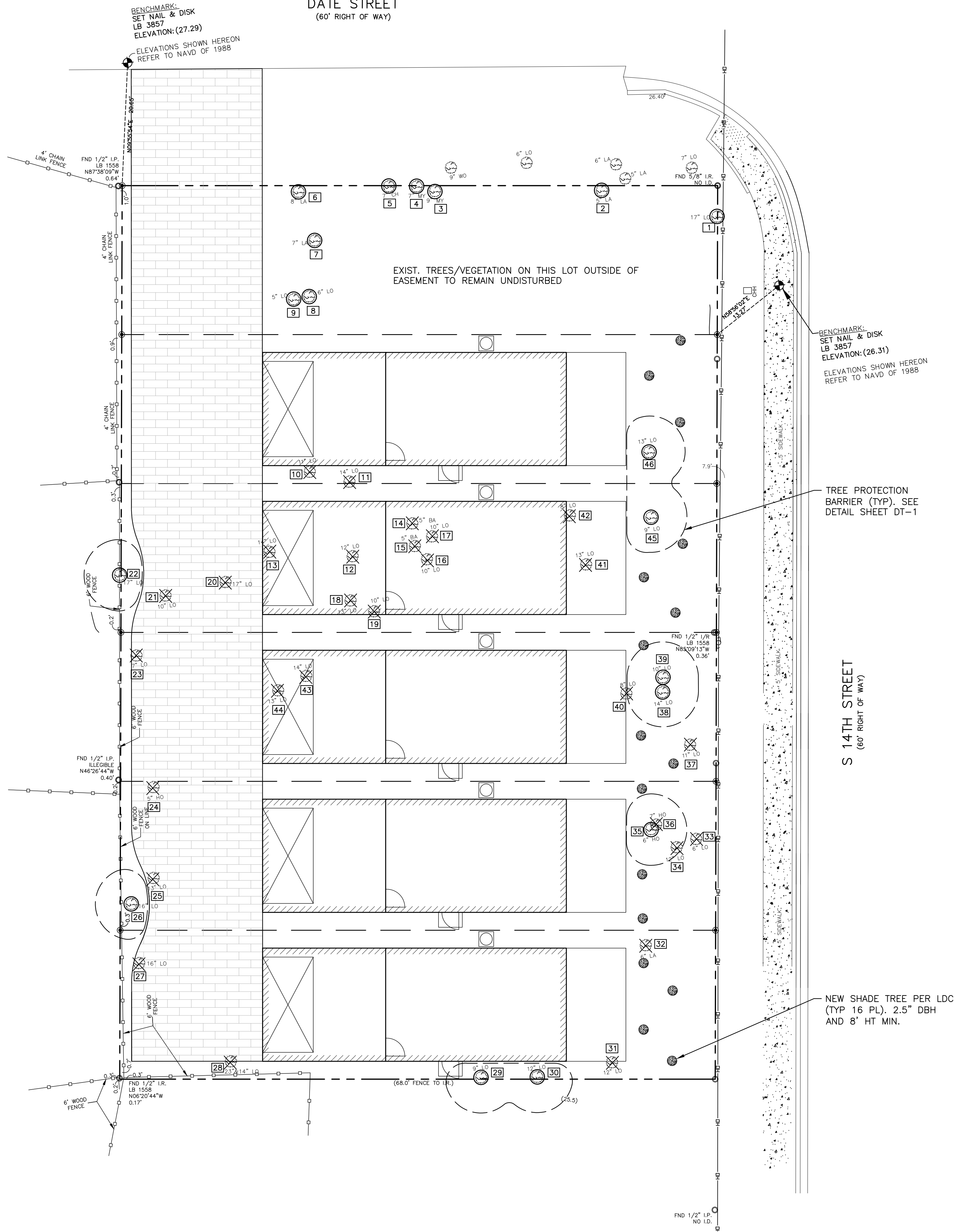
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RIVER GREEN RESIDENCES
Lots 123-128 S 14th Street
Fernandina Beach, Florida 32034

DATE: 10/06/20

DRAINAGE PLAN



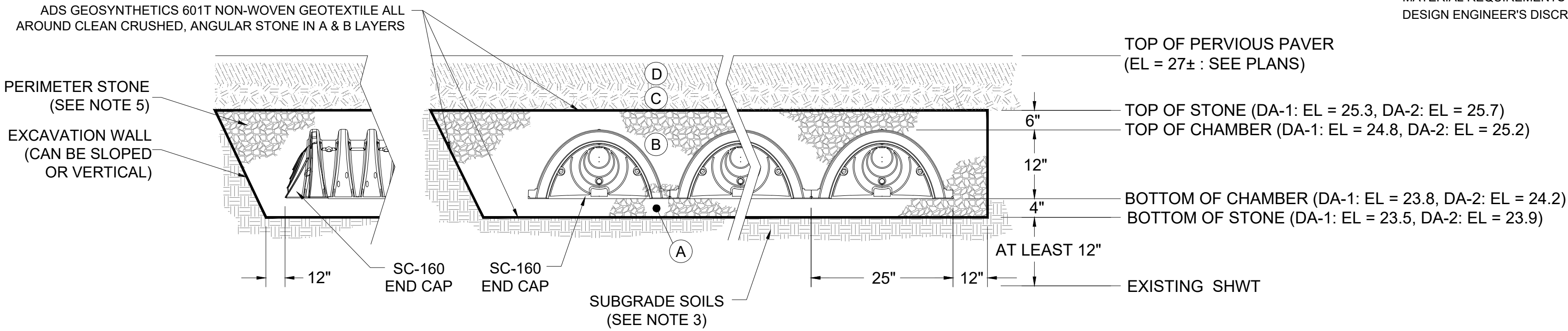
EXISTING TREE LEGEND		
SYMBOL	DESCRIPTION	QTY.
	TREE TO BE REMOVED	35
	TREE TO REMAIN	11
	TREE ID NO.	—
LO	LIVE OAK	33
LA	DARLINGTON OAK	5
HO	HOLLY	3
MY	MYRTLE OAK	2
BA	REDBAY	2
CH	BLACK CHERRY	1

RIVER GREEN RESIDENCES	Lots 123-128 S 14th Street Fernandina Beach, Florida 32034
DATE: 10/06/20	
TREE MITIGATION PLAN	
North / Elev Key Sheet	 LS - 1 Page 4 of 5

ACCEPTABLE FILL MATERIALS: STORMTECH SC-160LP CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



INFILTRATION GALLERY CROSS SECTION

NOTES:

1.SC-160LP CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".

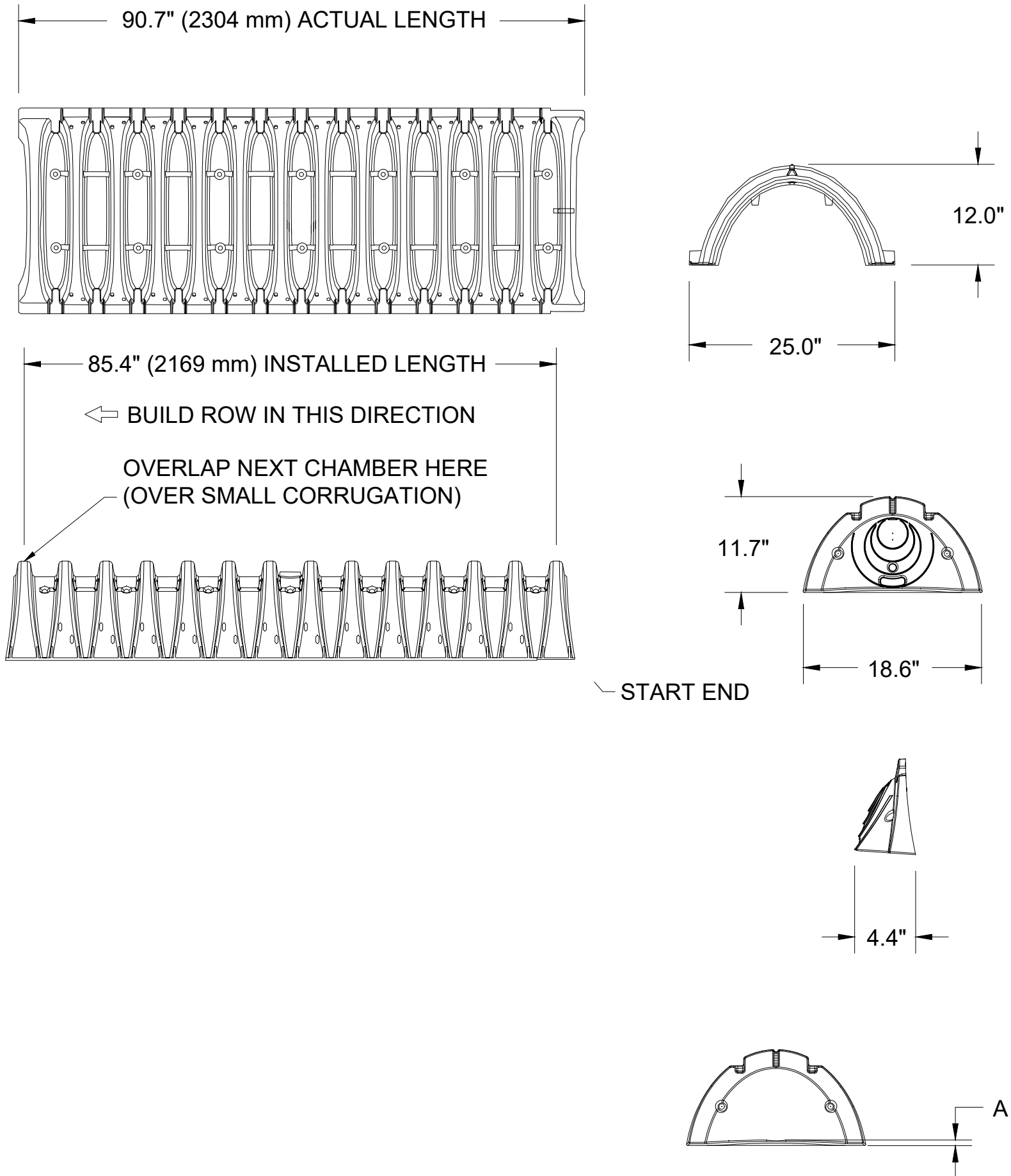
2.SC-160LP CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".

3."ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.

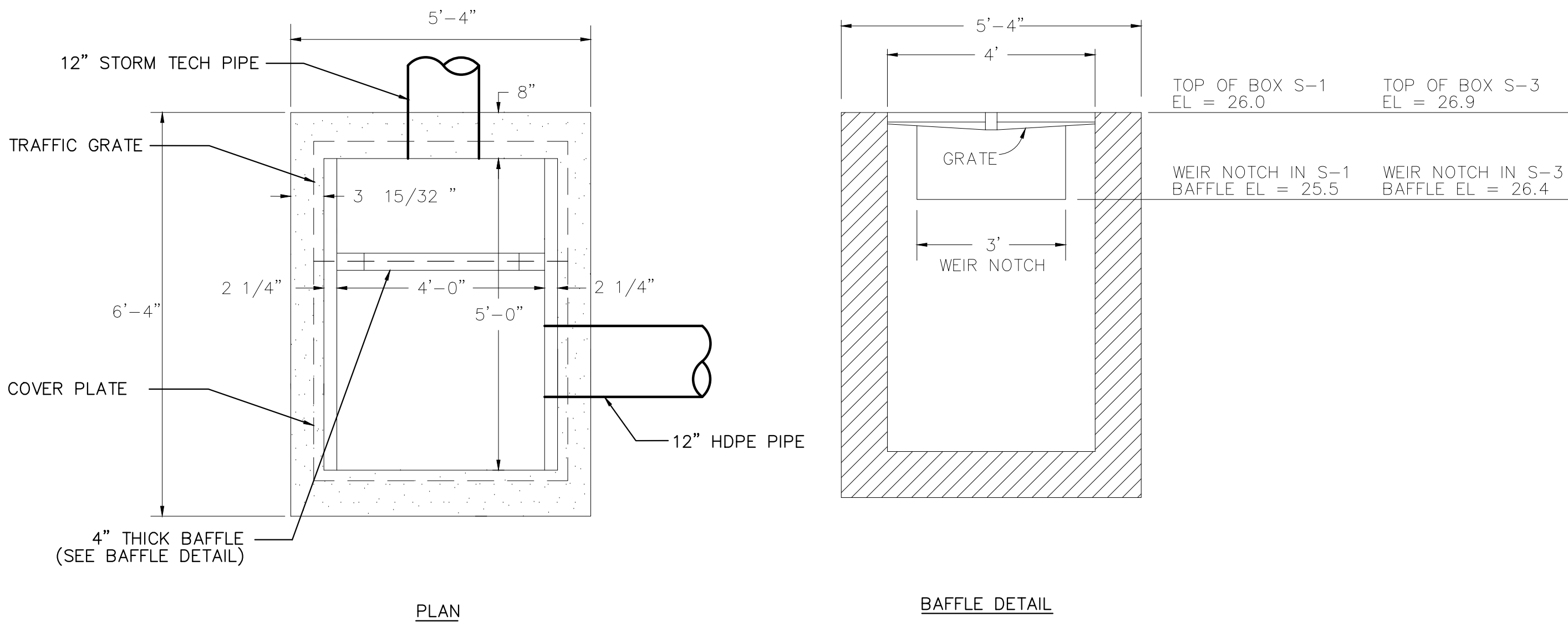
4.THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.

5.PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.

6.ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



STORMTECH SC-160LP CHAMBER



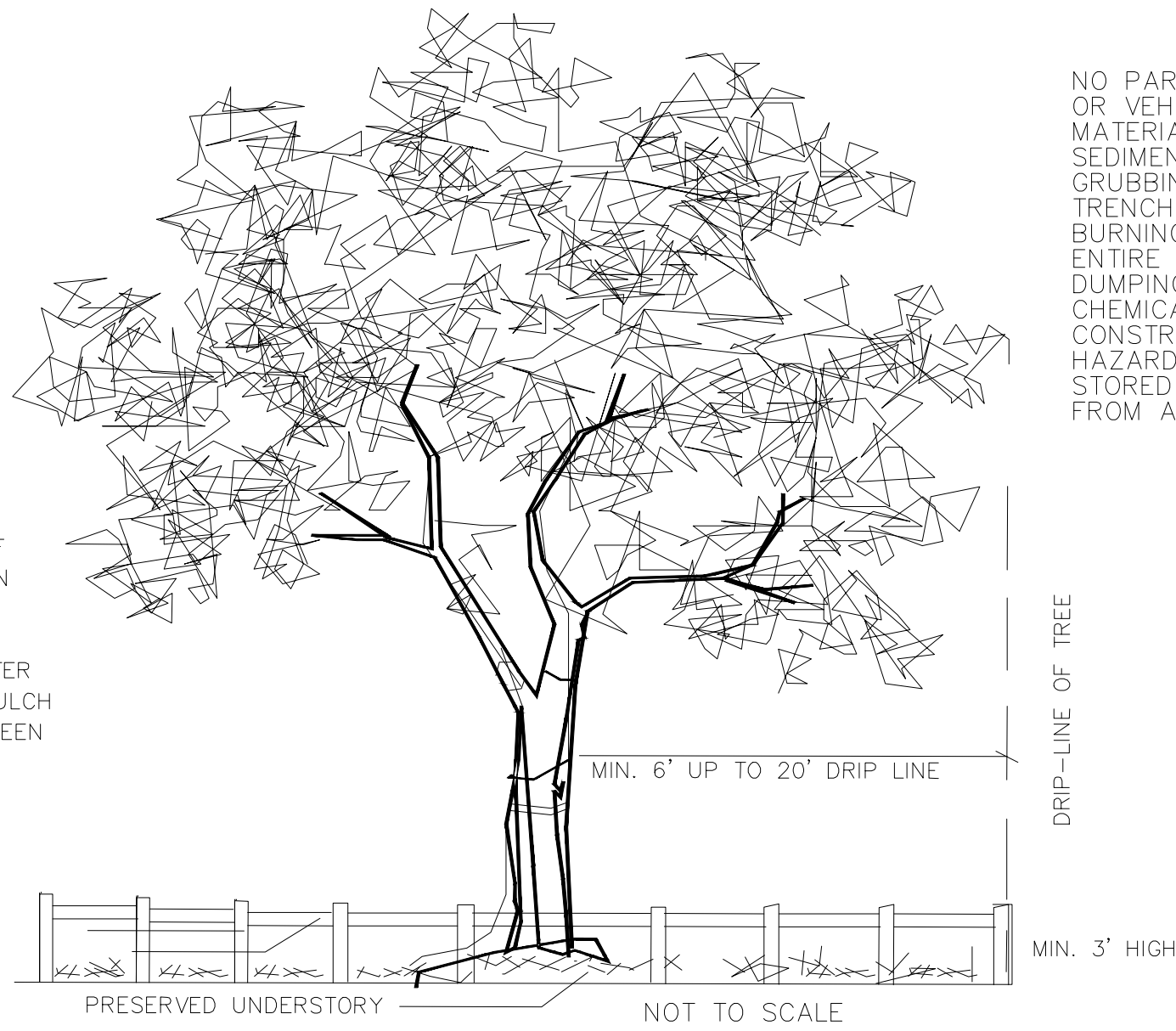
OUTFALL STRUCTURE DETAIL

BARRIER TO BE PLACED AROUND TREE SHALL BE PLACE AROUND TREE PROTECTION ZONE AND BE CONSISTENT WITH SPECIFICATIONS DEFINED IN CHAPTER 4.05.14 OF THE FERNANDINA BEACH LAND DEVELOPMENT CODE.

TREE PROTECTION ZONE IS AT MINIMUM A CIRCULAR ZONE AROUND THE TREE TRUNK OF A RADIUS:

- 6 FEET, IF THE DRIP LINE OF THE TREE IS LESS THAN 6 FEET FROM THE TRUNK OF THE TREE.
- 6-20 FEET ENCOMPASSING THE FULL DRIP LINE OF THE TREE, IF THE DRIP LINE OF THE TREE IS BETWEEN 6 AND 20 FEET FROM THE TRUNK OF THE TREE.
- 20 FEET, IF THE DRIP LINE OF THE TREE IS GREATER THAN 20 FEET FROM THE TRUNK OF THE TREE. 3" MULCH LAYER SHALL APPLIED TO THE REMAINING AREA BETWEEN THE TREE PROTECTION ZONE AND DRIP LINE

2" X 2" X 4' WOODEN POSTS - 8' O.C. WITH A 2" X 4" TOP RAILING AND 3' WIDE TEMPORARY MESH WIRE, CHAIN-LINK, OR SIMILAR BARRIER ATTACHED TO POSTS.



TREE PROTECTION DETAIL

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RIVER GREEN RESIDENCES
Lots 123-128 S 14th Street
Fernandina Beach, Florida 32034

DATE: 10/06/20

MISC. DETAILS

Print

Technical Review Committee (TRC): Pre-Application Meeting Request - Submission #6438

Date Submitted: 12/10/2020

Technical Review Committee (TRC) Pre-Application Meeting Request

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

Fees

None

IMPORTANT NOTES

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

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



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



Pre-Application Conference “ see LDC section 11.01.02

The LDC is available for review at

www.fbfl.us/LDC

Application Requirements



A complete application.



Site plans or scaled drawings; and



Any other files that illustrate the proposed project.

PROPERTY INFORMATION

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

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

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

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

Describe your project in detail

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

Certification*



By signing below, I certify that the information contained in this application is true and correct to the best of my knowledge at the time of the application.



I acknowledge that I understand and have complied with all of the submittal requirements and procedures.

Applicant First Name*

Asa

Applicant Last Name*

Gillette

Today's Date*

12/10/2020

Upload Supporting Documentation*

RiverGreenSite.pdf

Upload 2

Choose File

No file selected

Upload 3

Choose File

No file selected

Upload 4

Choose File

No file selected

Upload 5

Choose File

No file selected



DEPARTMENT OF PLANNING & CONSERVATION

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