

PINE FOREST DRAINAGE IMPROVEMENTS

PLANS PREPARED FOR:

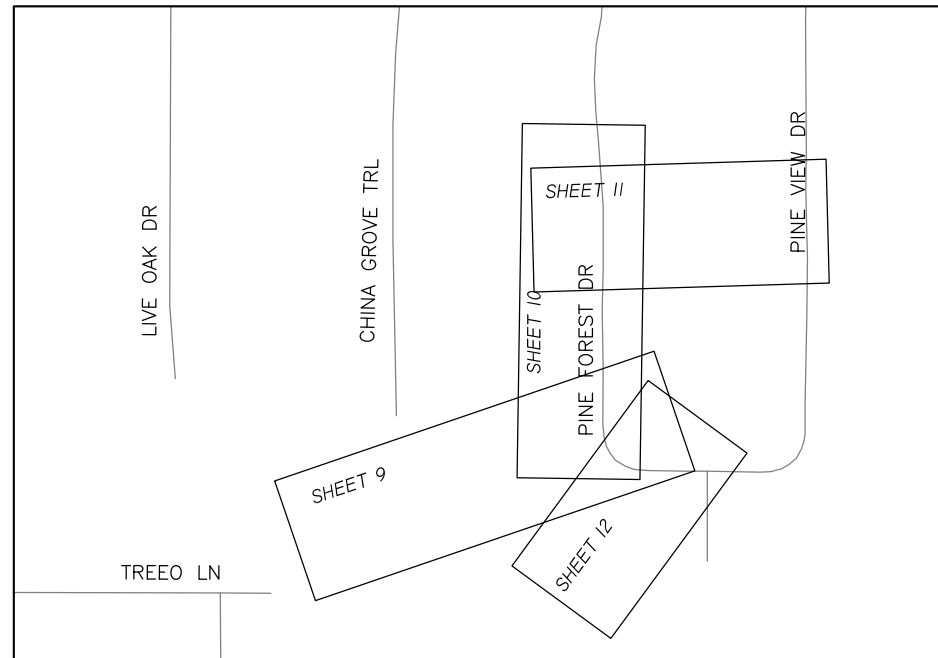


CITY OF TALLAHASSEE

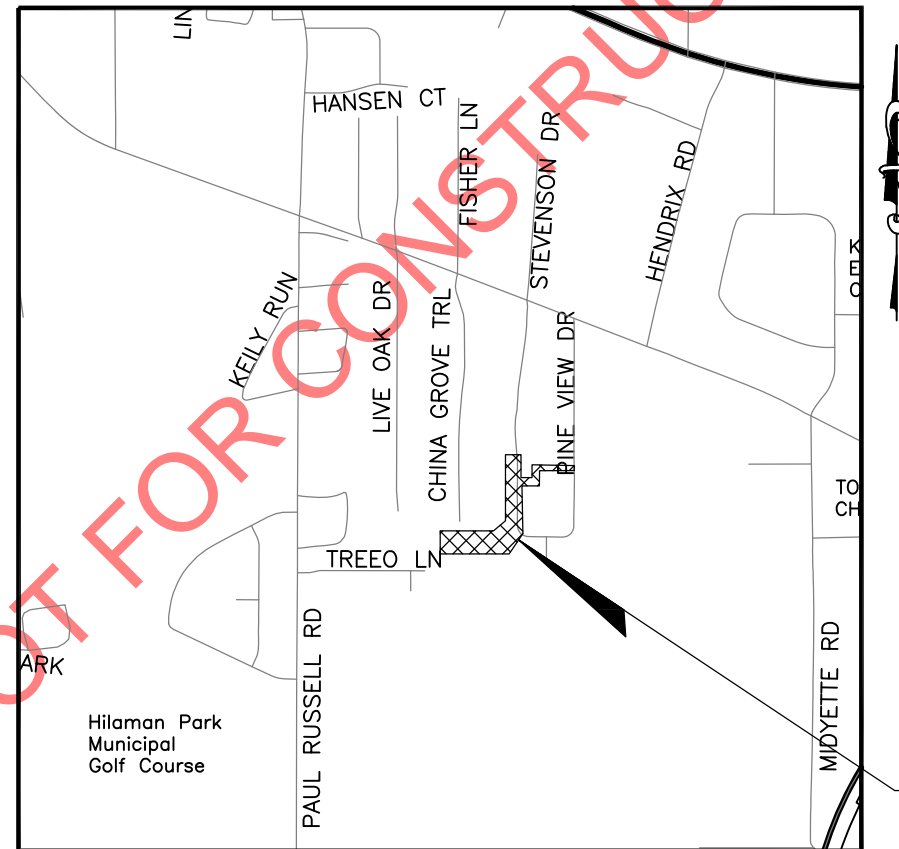
**UNDERGROUND UTILITIES & PUBLIC INFRASTRUCTURE ENGINEERING
STORMWATER MANAGEMENT
C.O.T. WORK ORDER NO. 1900300**

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	DRAINAGE MAP
3	GENERAL NOTES
4	PAY ITEM NOTES
5-6	TYPICAL SECTION AND DETAILS
7-8	PROJECT LAYOUT
9-12	PLAN & PROFILE
13-14	DRAINAGE STRUCTURES
15-16	SWALE CROSS SECTIONS
17	DETENTION POND PLAN
18	SPECIAL DETAILS
19	DRIVEWAY PROFILES
20	SOIL SURVEY
21	UTILITY ADJUSTMENTS
22-23	WATER MAIN REPLACEMENT PLAN & PROFILE
24	WATER MAIN REPLACEMENT DETAILS
25	STORMWATER POLLUTION PREVENTION PLAN
26-27	TREE PROTECTION/REMOVAL & EROSION CONTROL
28-30	STANDARD DETAILS - CURB INLET TYPE SP-HC



PLAN AND PROFILE KEY MAP



LOCATION MAP
1" = 800'

NORTH AMERICAN VERTICAL DATUM OF 1988

PLANS PREPARED BY:

EUTAW, INC

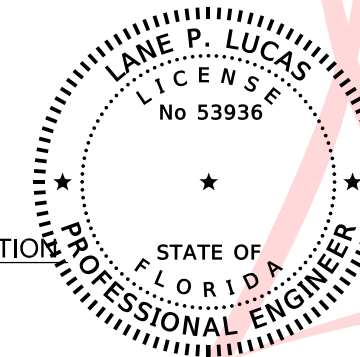
2822 REMINGTON GREEN CIRCLE, SUITE 202
TALLAHASSEE, FLORIDA 32308
(850) 383-0400
WWW.EUTAWINC.COM

FBPE REGISTRY #9961

ENGINEER OF RECORD:

LANE P. LUCAS, P.E.
FLORIDA PE #53936

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Digitally signed by Lane P Lucas
Date: 2021.02.18 17:00:35 -05'00'

APPROVED FOR CONSTRUCTION

Fernando S. Francisca
STORMWATER MANAGEMENT DIVISION

DATE: FEBRUARY 3, 2021

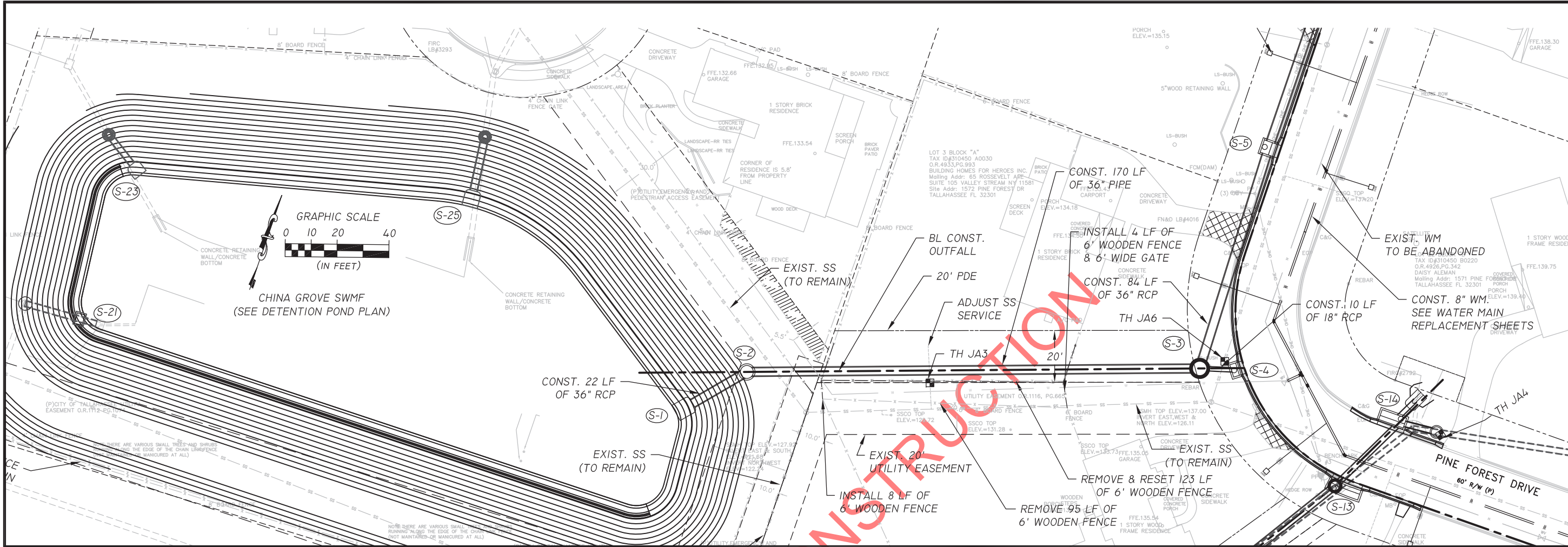
SET NO: _____

GOVERNING STANDARDS AND SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD PLANS, FY 2020-21 EDITION AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 2020 EDITION, AS AMENDED BY CONTRACT DOCUMENTS.

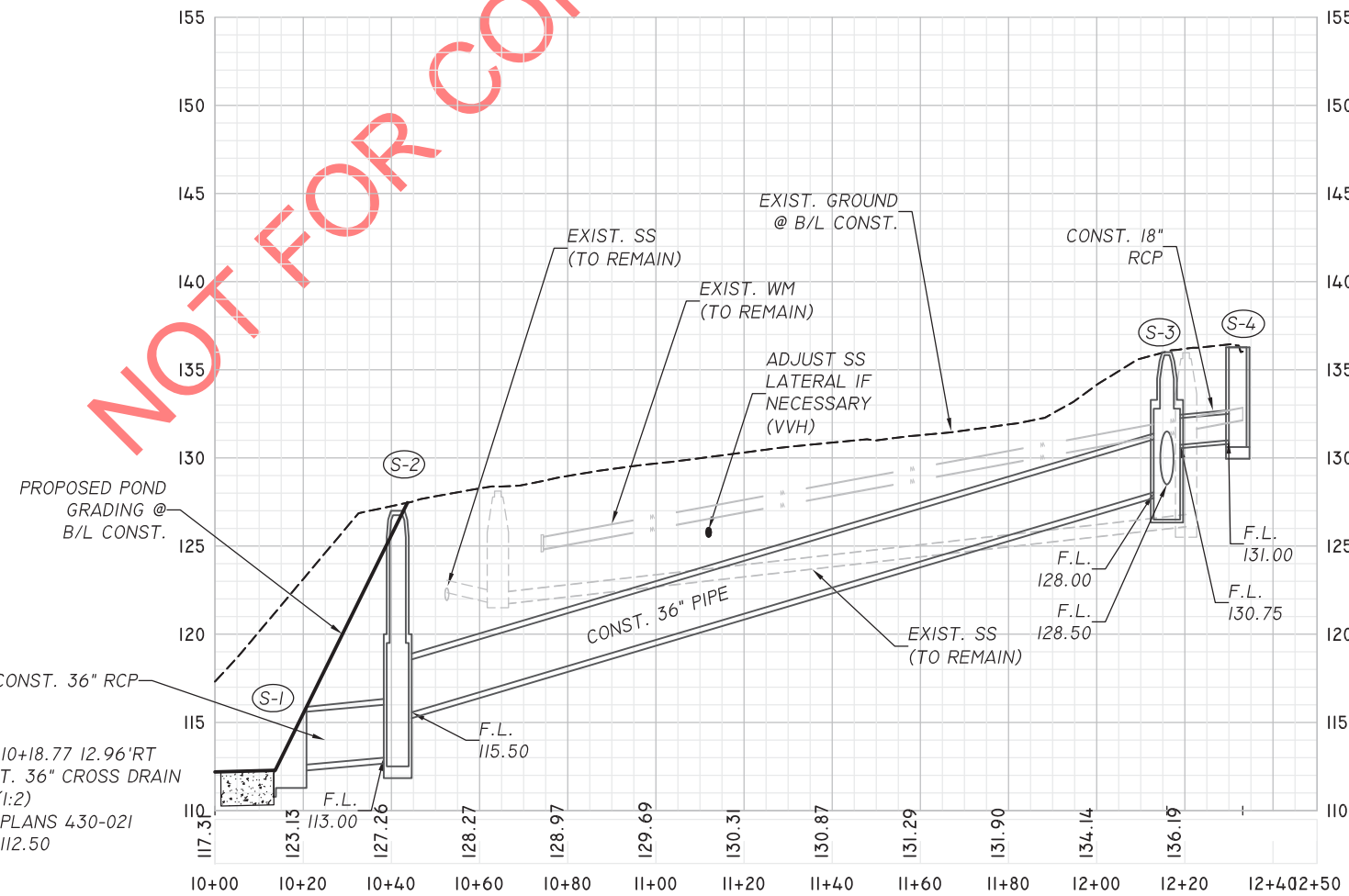
ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

REVISIONS			
NO.	DESCRIPTION	BY	DATE



SUE DATA TABLE

BORING	NORTHING	EASTING	DESCRIPTION	DEPTH TO TOP OF PIPE
JA3	516,637.69	2,050,361.41	4" PVC SS	4.30'
JA4	516,682.40	2,050,553.97	24" RCP	1.40'
JA6	516,682.27	2,050,466.19	6" PVC SS	9.42'



(S-1)
 STA. 10+18.77 12.96' RT
 CONST. 36" CROSS DRAIN
 MES (1:2)
 STD. PLANS 430-021
 F.L.: 112.50

ENGINEER OF RECORD
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 EUTAW, INC.
 2822 REMINGTON GREEN
 TALLAHASSEE, FL 32308
 P.E. NO. 63936

ORIGINAL 01/26/2021

REVISIONS:	DATE
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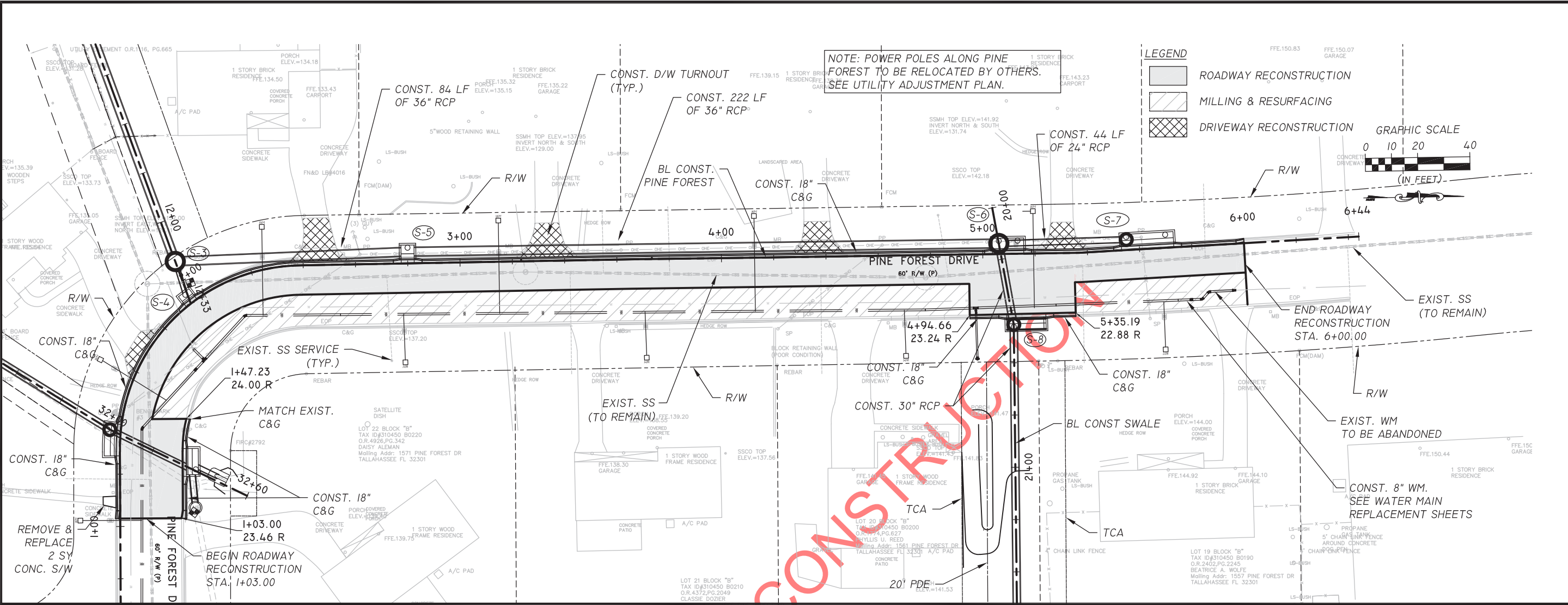
SHEET
 PLAN & PROFILE

PROJECT
 PINE FOREST
 DRAINAGE
 IMPROVEMENTS

EUTAW, INC.
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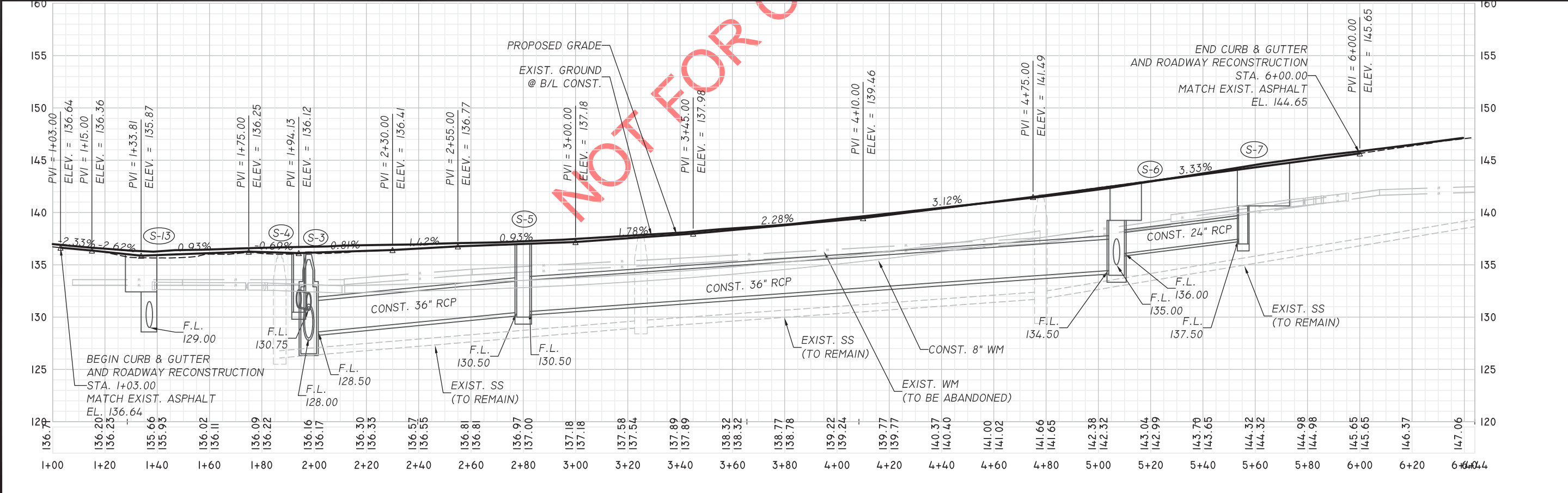
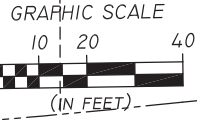
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 DRAWN MWH
 DESIGNED MWH
 CHECKED LPL
 QC MWH

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NOTE: POWER POLES ALONG PINE FOREST TO BE RELOCATED BY OTHERS. SEE UTILITY ADJUSTMENT PLAN.

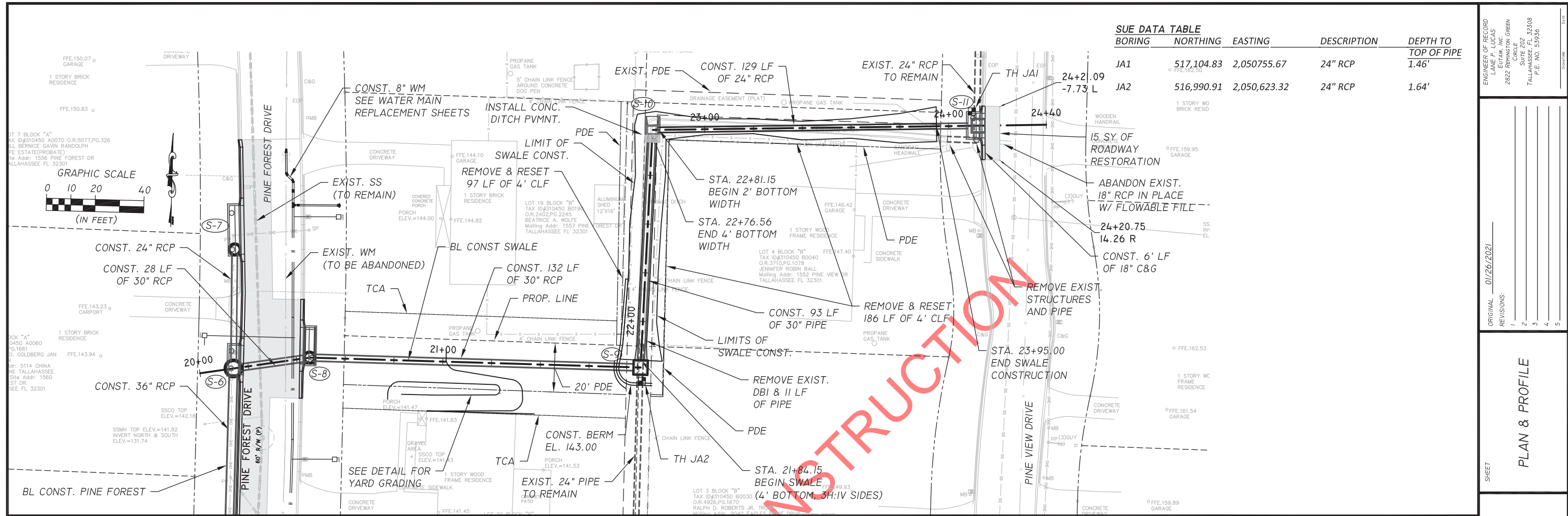
	LEGEND
	ROADWAY RECONSTRUCTION
	MILLING & RESURFACING
	DRIVEWAY RECONSTRUCTION



NOT FOR CONSTRUCTION

<p>PROJECT</p> <p>PINE FOREST DRAINAGE IMPROVEMENTS</p> <p>ENGINEER OF RECORD LAW P. LUCAS 2822 REMINGTON GREEN TALLAHASSEE, FL 32308</p> <p>DATE</p> <p>01/27/2021</p>	<p>SHEET</p> <p>PLAN & PROFILE</p> <p>REVISIONS:</p> <table border="0"> <tr><td>1</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> <tr><td>5</td><td></td></tr> </table>	1		2		3		4		5	
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<p>JOB NO.</p> <p>DRAWN MWH</p> <p>DESIGNED MWH</p> <p>CHECKED LPL</p> <p>QC MWH</p>	<p>FBPE REGISTRY #9961</p> <p>10</p>										

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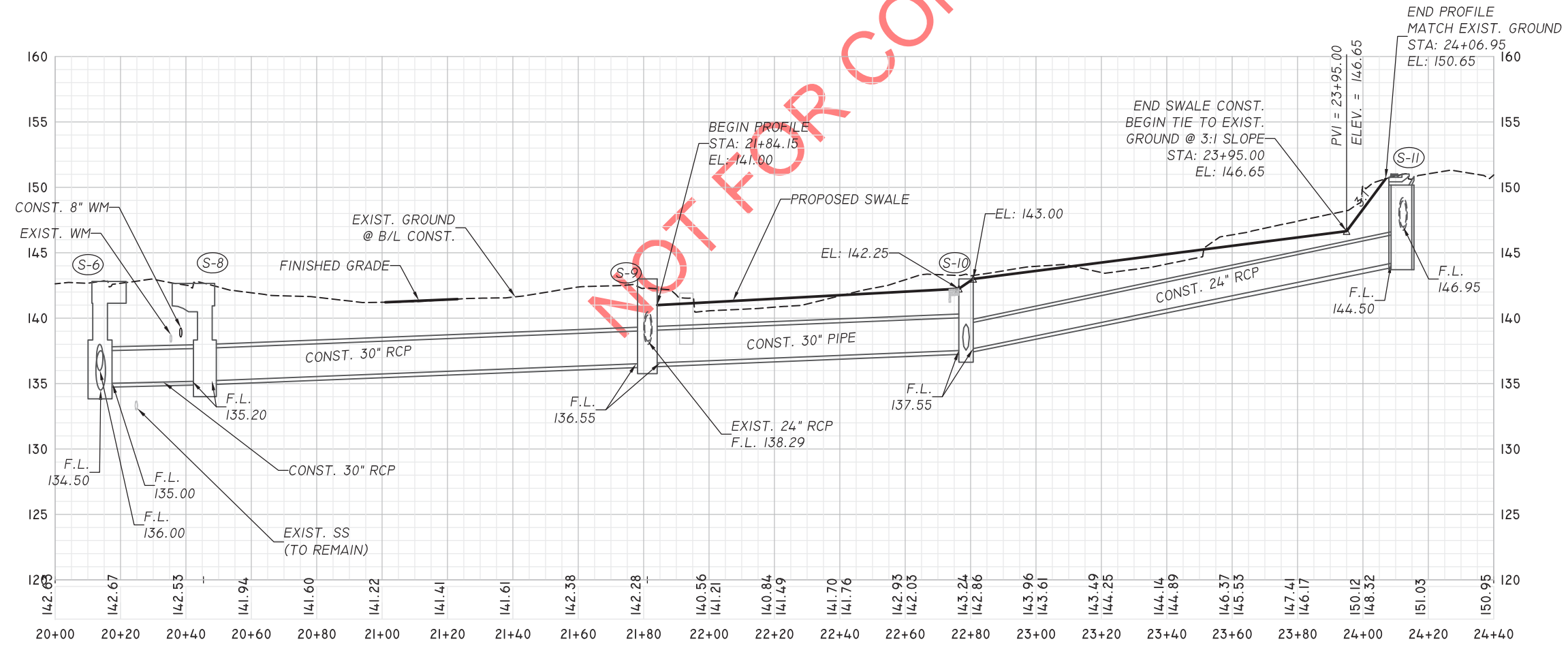


SUE DATA TABLE				
BORING	NORTHING	EASTING	DESCRIPTION	DEPTH TO TOP OF PIPE
JA1	517,104.83	2,050,755.67	24" RCP	1.46'
JA2	516,990.91	2,050,623.32	24" RCP	1.64'

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SHEET
 PROJECT
 PLAN & PROFILE



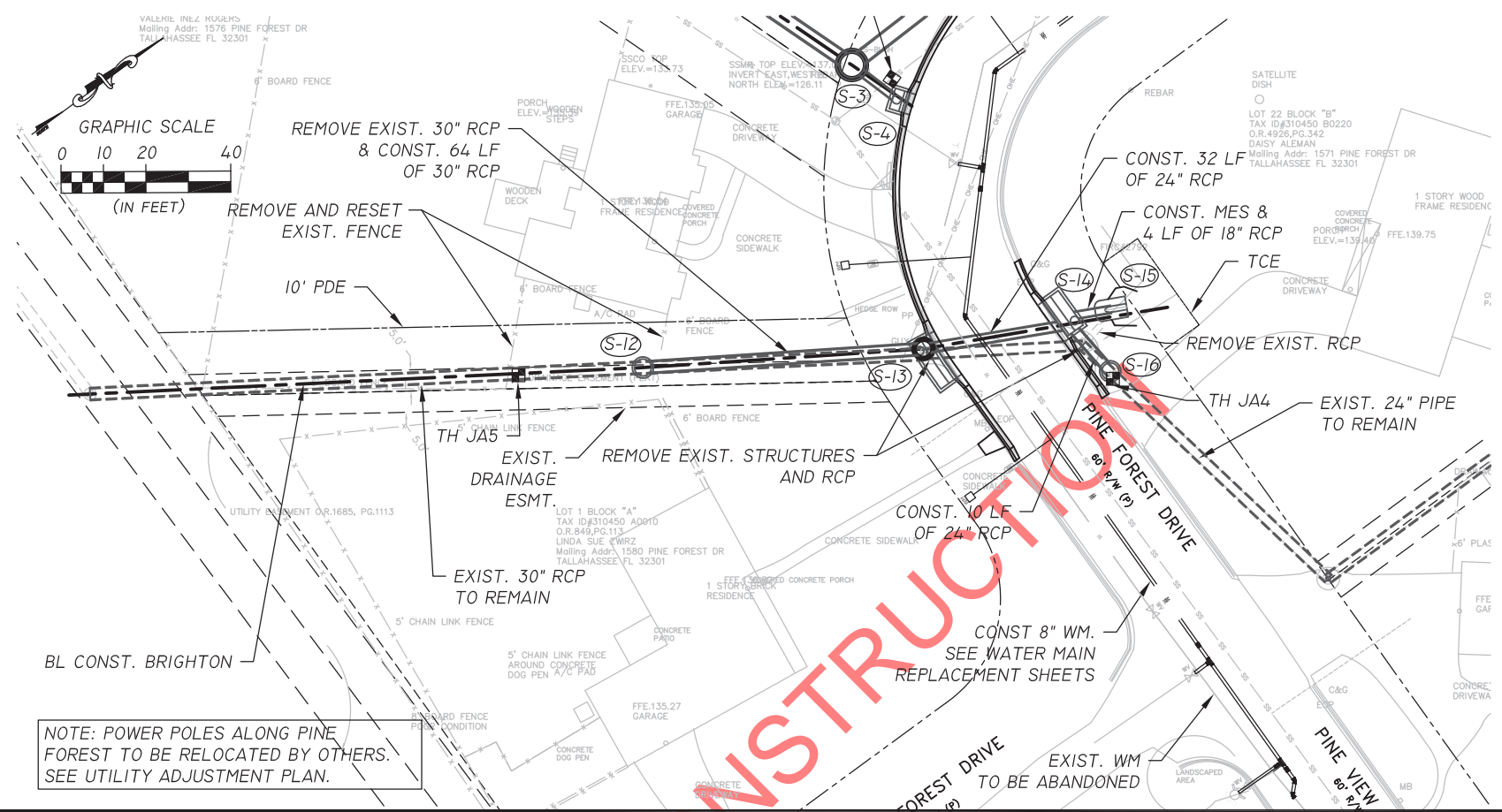
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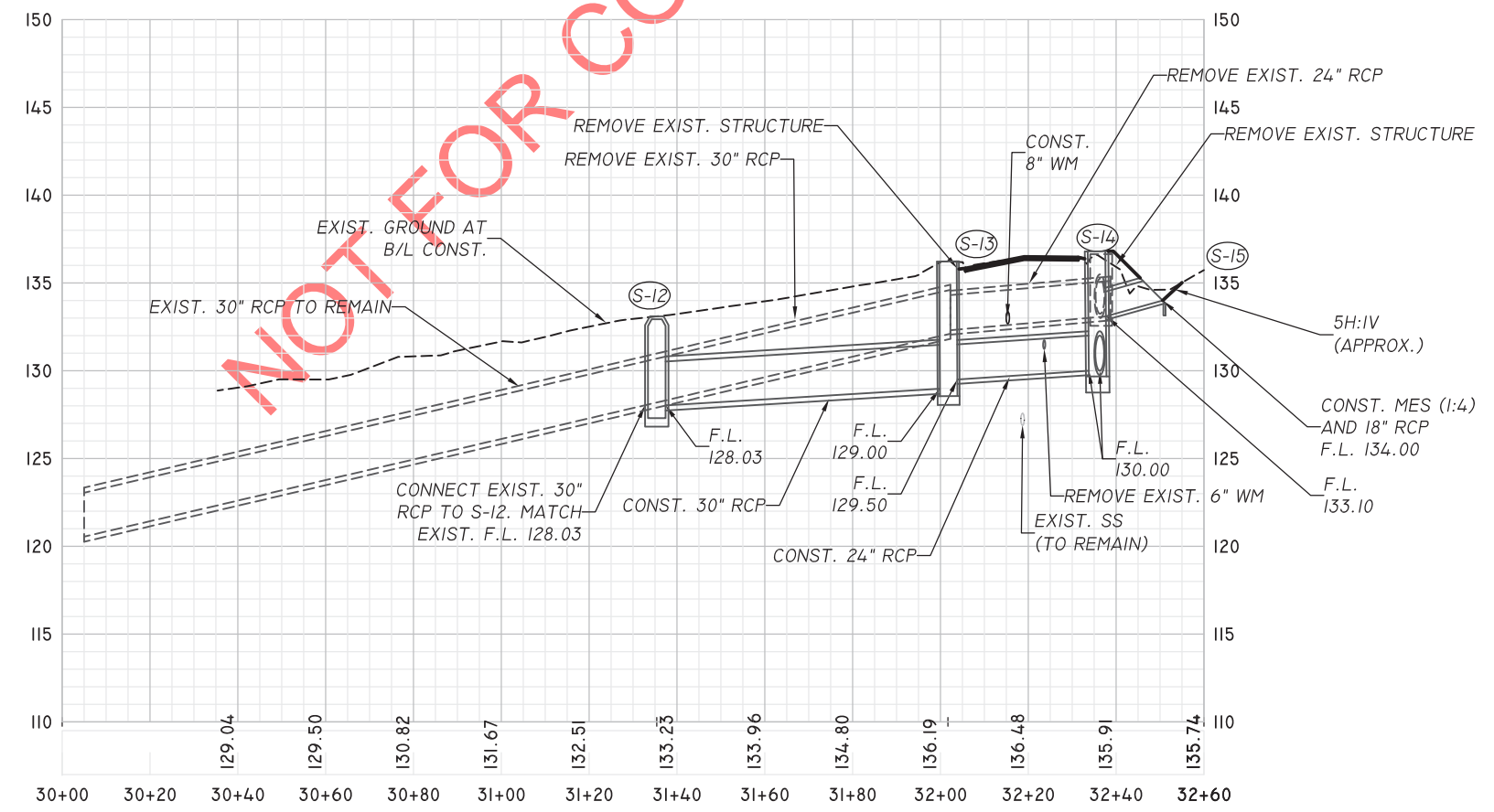
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NOTE: POWER POLES ALONG PINE FOREST TO BE RELOCATED BY OTHERS. SEE UTILITY ADJUSTMENT PLAN.

SUE DATA TABLE

BORING	NORTHING	EASTING	DESCRIPTION	DEPTH TO TOP OF PIPE
JA4	516,682.40	2,050,553.97	24" RCP	1.40'
JA5	516,570.01	2,050,470.39	30" RCP	2.68'



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SHEET: PLAN & PROFILE
 PROJECT: PINE FOREST DRAINAGE IMPROVEMENTS

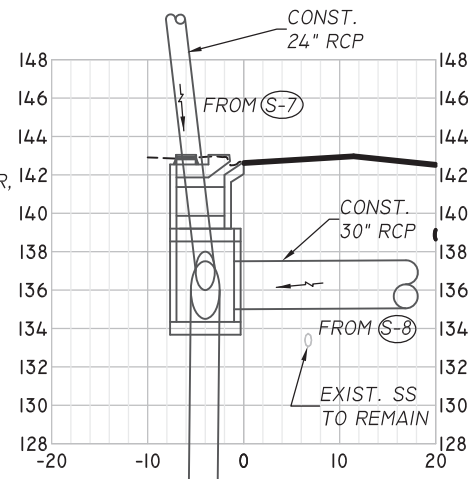
PROJECT: PINE FOREST DRAINAGE IMPROVEMENTS

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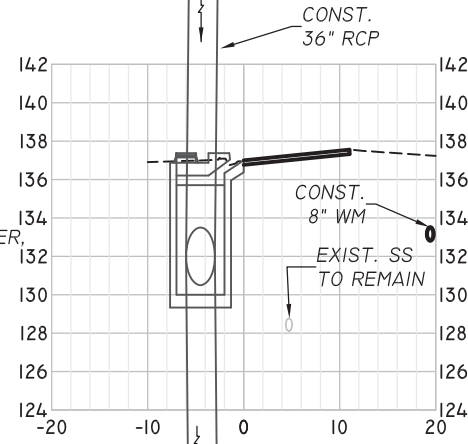
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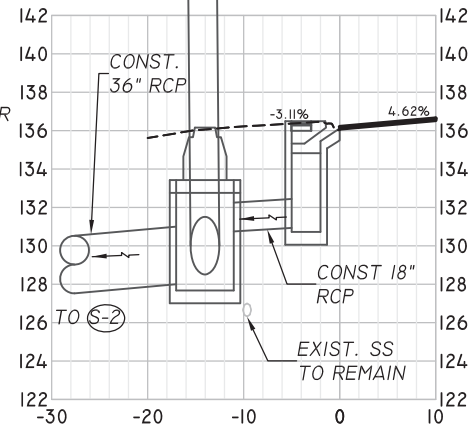
(S-6)
STA. 5+09.69 1.50'L
BL CONST. PINE FOREST
CONST. INLET TYPE SP-HC
W/ 3' DIA. FRAME & 2-PIECE COVER,
5' WIDTH, 12' THROAT
W/ J BOTTOM (ALT. A, 6')
STD. PLANS 425-010
TOP: 143.04
F.L.: 136.00 (N)
F.L.: 135.00 (E)
F.L.: 134.50 (S)



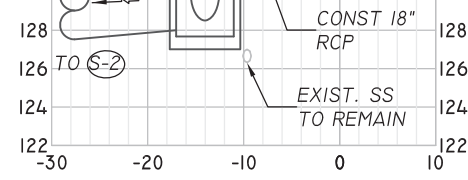
(S-5)
STA. 2+80.00 1.50'L
BL CONST. PINE FOREST
CONST. INLET TYPE SP-HC
W/ 3' DIA. FRAME & 2-PIECE COVER,
5' WIDTH, 5' THROAT
TOP: 137.37
F.L.: 130.50 (N)
F.L.: 130.50 (S)



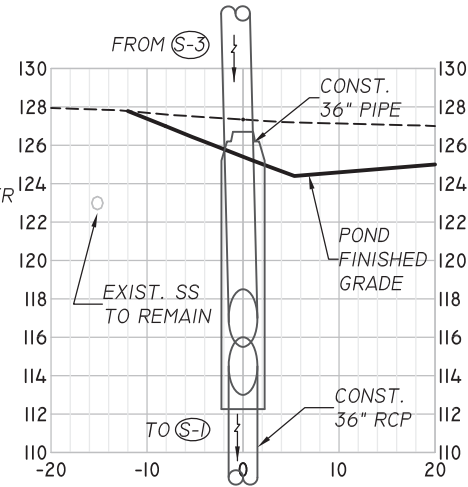
(S-3)
STA. 1+97.93 16.54'L
BL CONST. PINE FOREST
CONST. MH TYPE J-8 (ALT. A, 6')
W/ 3' DIA. FRAME & 2-PIECE COVER
STD. PLANS 425-001, 425-010
TOP: 136.16
F.L.: 130.75 (E)
F.L.: 128.50 (N)
F.L.: 128.00 (SW)



(S-4)
STA. 1+94.13 1.50' L
BL CONST. PINE FOREST
CONST. INLET TYPE SP-HC
3' WIDTH, 5' THROAT
TOP: 136.50
F.L.: 131.00 (SW)

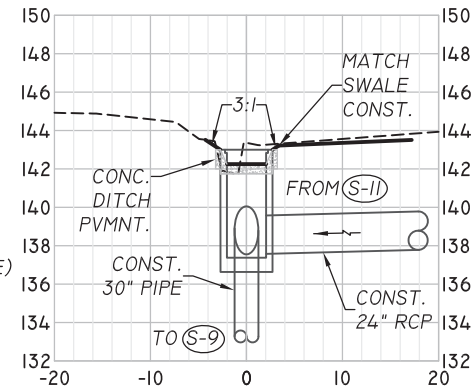


(S-2)
STA. 10+41.45 0.00'L
BL CONST. OUTFALL
CONST. MH TYPE J-8 (ALT. A, 5')
W/ 3' DIA. FRAME & 2-PIECE COVER
STD. PLANS 425-001, 425-010
RIM: 127.00
F.L.: 115.50 (NE)
F.L.: 113.00 (SW)

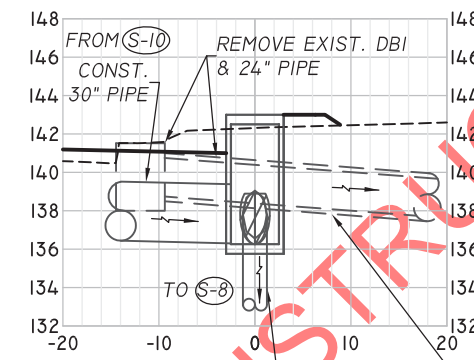


(S-1)
SEE SHEET 9

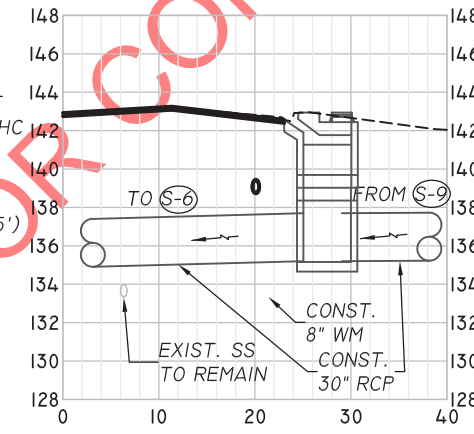
(S-10)
STA. 22+78.61 0.00'L
BL CONST SWALE
CONST. TYPE D DBI
STD. PLANS 425-052
GRATE: 143.00
SLOT: 142.25 (S)
SLOT: 142.00 (N)
(MOD. NON-TRAVERSABLE)
F.L.: 137.55 (E,S)



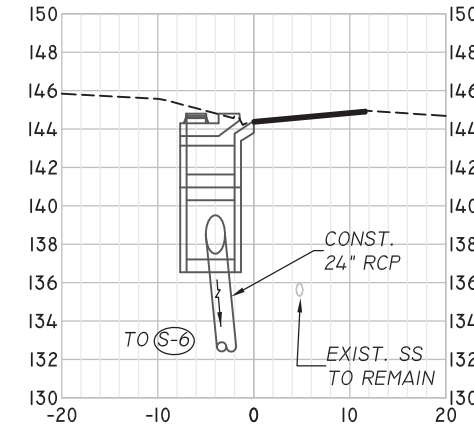
(S-9)
STA. 21+81.14 0.00'L
BL CONST SWALE
CONST. MH TYPE J-7
(ALT. B, 5'x5')
W/ TYPE III FRAME & 2-PIECE
COVER, W/ 5' SLOT
STD. PLANS 425-001, 425-010
TOP: 143.00
SLOT: 141.00 (N)
F.L.: 138.29 (S, EXIST.)
F.L.: 136.55 (N,W)



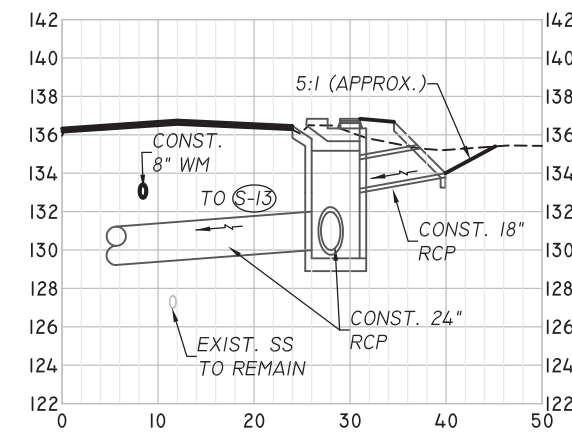
(S-8)
STA. 5+16.27 24.55'R
BL CONST. PINE FOREST
CONST. INLET TYPE SP-HC
W/ 3' DIA. FRAME
& 2-PIECE COVER,
5' WIDTH, 15' THROAT
W/ J-BOTTOM (ALT. A, 5')
STD. PLANS 425-010
TOP: 142.95
F.L.: 135.20 (E)
F.L.: 135.20 (W)



(S-7)
STA. 5+63.14 1.50'L
BL CONST. PINE FOREST
CONST. INLET TYPE SP-HC
W/ 3' DIA. FRAME &
2-PIECE COVER,
5' WIDTH, 20' THROAT
W/ J-BOTTOM (ALT. A, 5')
STD. PLANS 425-010
TOP: 144.80
F.L.: 137.50 (S)

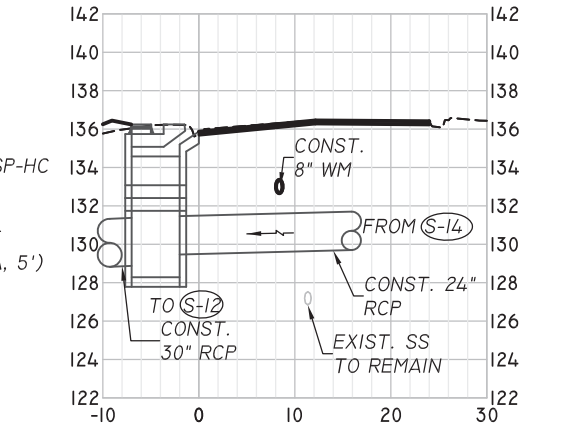


(S-14)
STA. 1+24.68 25.50'R
BL CONST PINE FOREST
CONST. INLET TYPE SP-HC
W/ 3' DIA. FRAME &
2-PIECE COVER,
5' WIDTH, 10' THROAT
TOP: 136.84
F.L.: 133.10 (N)
F.L.: 130.00 (E,SW)

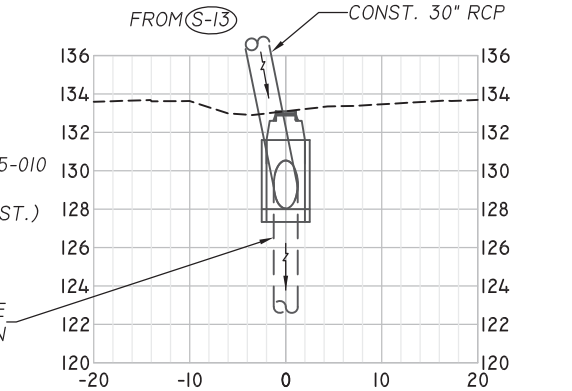


(S-15)
STA. 32+45.41 1.77'L
BL CONST BRIGHTON
18" MES (1:4)
STD. PLANS 430-021
F.L.: 134.00

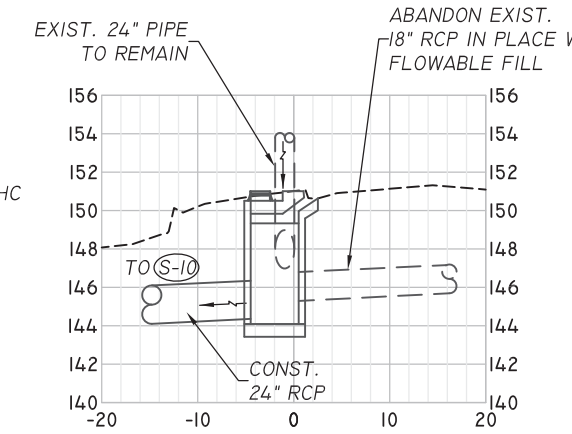
(S-13)
STA. 1+33.81 1.50'L
BL CONST BRIGHTON
CONST. INLET TYPE SP-HC
W/ 3' DIA. FRAME &
2-PIECE COVER
5' WIDTH, 12' THROAT
W/ J-BOTTOM (ALT. A, 5')
STD. PLANS 425-010
TOP: 136.24
F.L.: 129.50 (NE)
F.L.: 129.00 (SW)



(S-12)
STA. 31+35.41 0.00'L
BL CONST BRIGHTON
CONST. MH TYPE P-8
STD. PLANS 425-001, 425-010
RIM: 133.10
F.L.: 128.03 (NE, SW EXIST.)



(S-11)
STA. 24+10.43 0.00'L
BL CONST SWALE
CONST. INLET TYPE SP-HC
W/ 3' DIA. FRAME &
2-PIECE COVER,
5' WIDTH, 10' THROAT
TOP: 151.00
F.L.: 146.95 (N, EXIST.)
F.L.: 144.50 (W)



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ENGINEER OF RECORD
LANE P. LUCAS
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2822 REMINGTON GREEN
TALLAHASSEE, FL 32308
SUITE 202
P.E. NO. 639356

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SHEET
PROJECT
DRAINAGE
STRUCTURES

PINE FOREST
DRAINAGE
IMPROVEMENTS

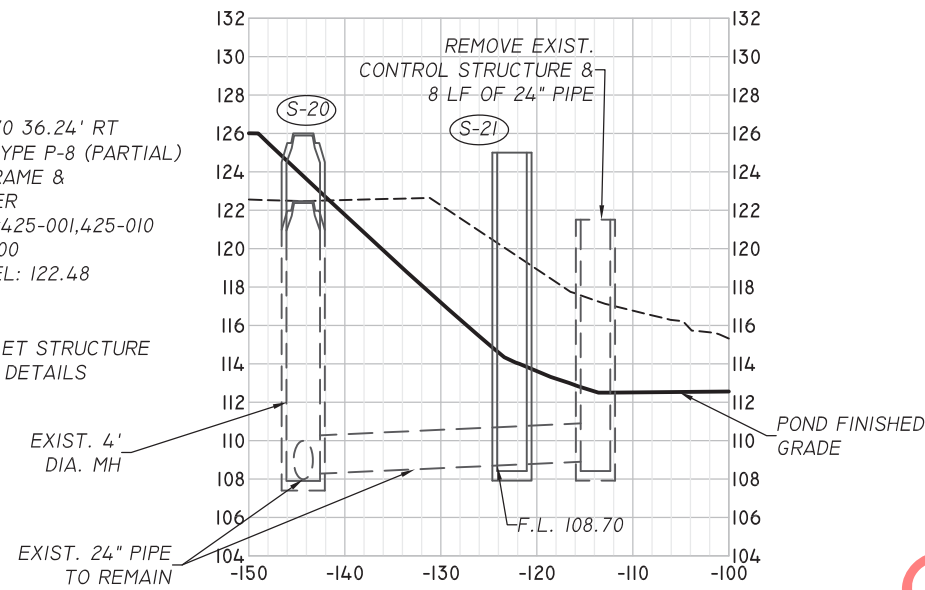
Eutaw, Inc
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DRAWN	MWH
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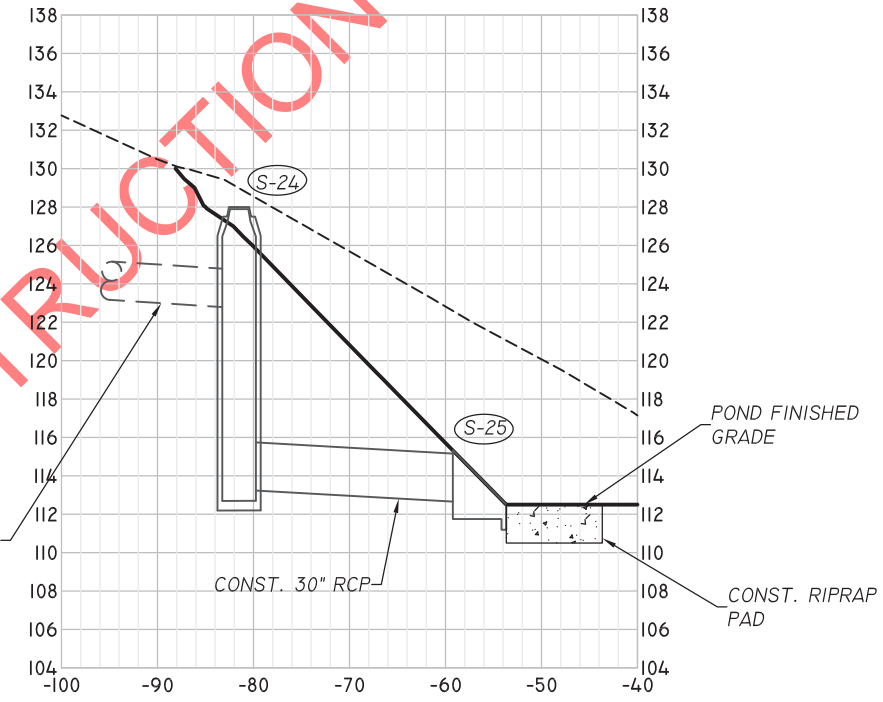
S-20
STA. 40+33.70 36.24' RT
CONST. MH TYPE P-8 (PARTIAL)
W/ 3' DIA. FRAME &
2-PIECE COVER
STD PLANS #425-001,425-010
RIM EL: 126.00
EXIST. RIM. EL: 122.48

S-21
CONST. OUTLET STRUCTURE
SEE SPECIAL DETAILS

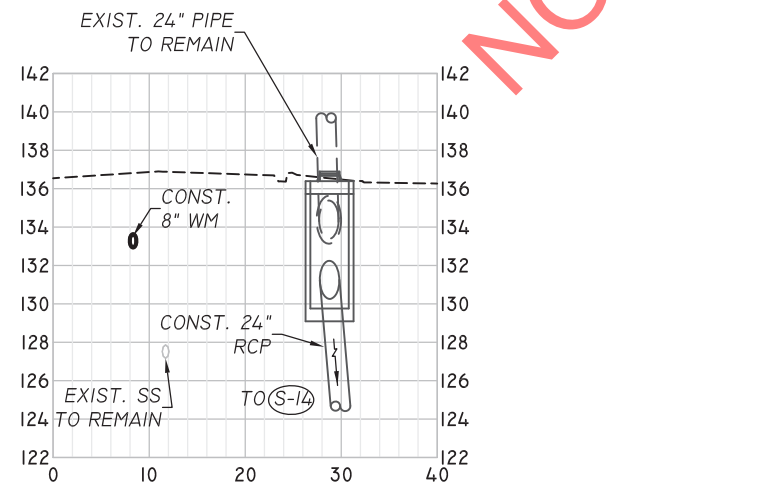


S-24
STA. 41+80.72 81.53' LT
CONST. MH TYPE P-8
W/ 3' DIA. FRAME &
2-PIECE COVER
STD PLANS #425-001, 425-010
RIM EL: 128.00
INV.: 122.79 (EXIST. 24" ADS)
INV.: 113.23 (30" PIPE)

S-25
STA. 1+83.46 58.59' LT
CONST. MES (1:2) (30")
STD PLANS #430-021
INV. 112.50

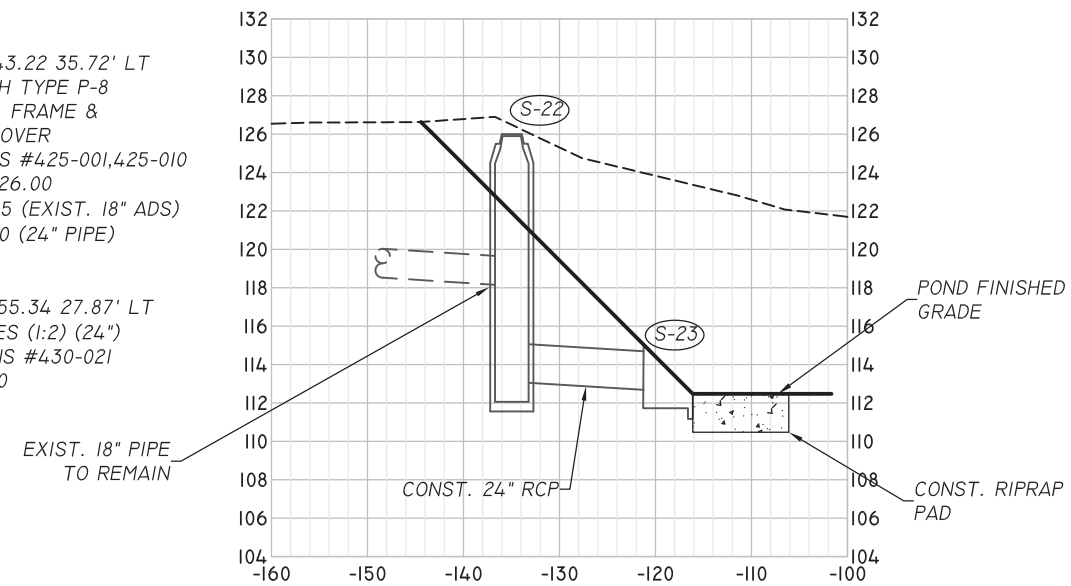


S-16
STA. 1+07.05 28.82' R
BL CONST PINE FOREST
CONST. MH TYPE P-7
STD. PLANS 425-001,425-010
RIM: 136.89
F.L.: 133.38 (E, EXIST.)
F.L.: 130.25 (W)



S-22
STA. 40+43.22 35.72' LT
CONST. MH TYPE P-8
W/ 3' DIA. FRAME &
2-PIECE COVER
STD PLANS #425-001,425-010
RIM EL: 126.00
INV.: 118.15 (EXIST. 18" ADS)
INV.: 113.00 (24" PIPE)

S-23
STA. 40+55.34 27.87' LT
CONST. MES (1:2) (24")
STD PLANS #430-021
INV. 112.50



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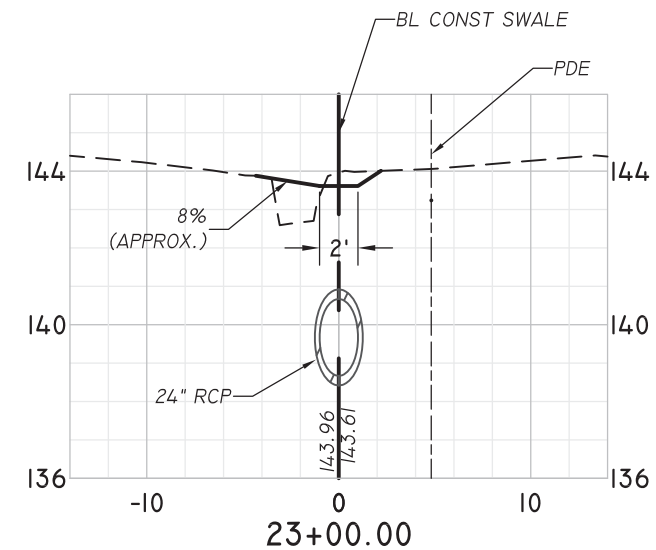
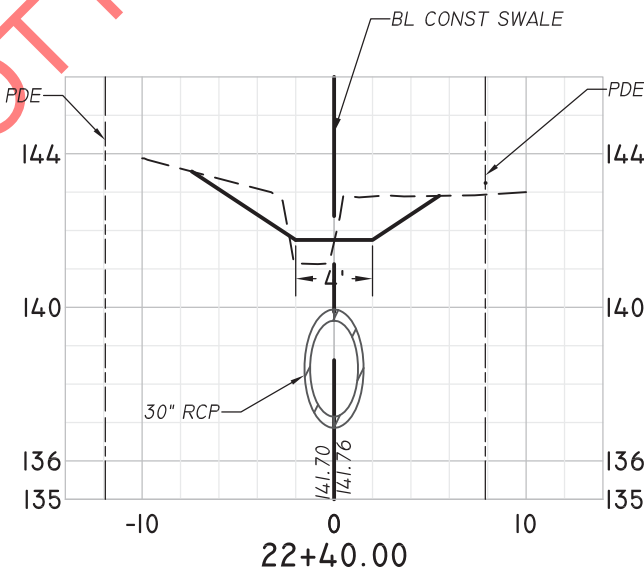
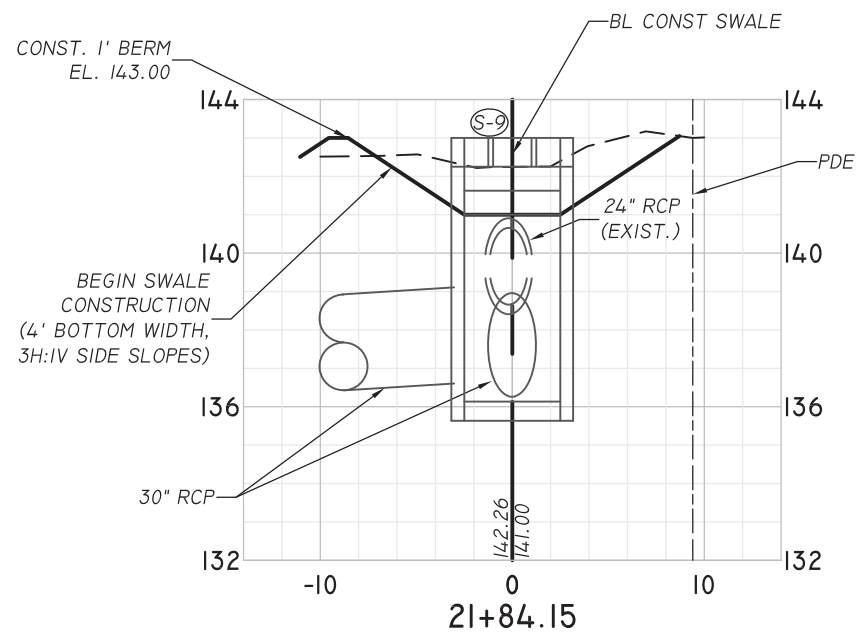
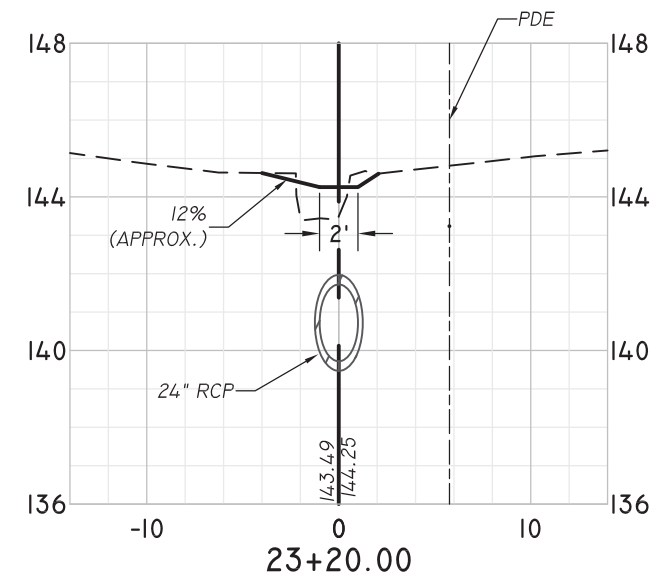
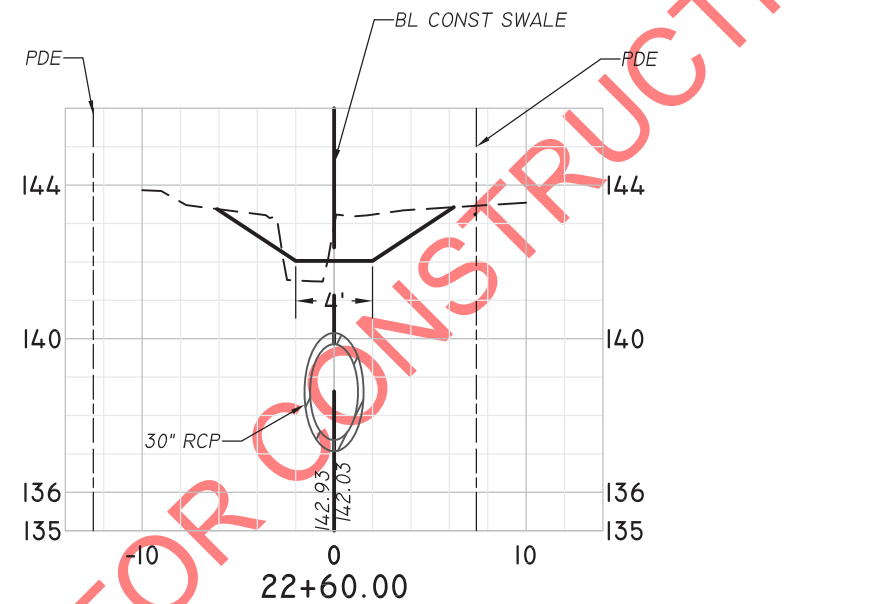
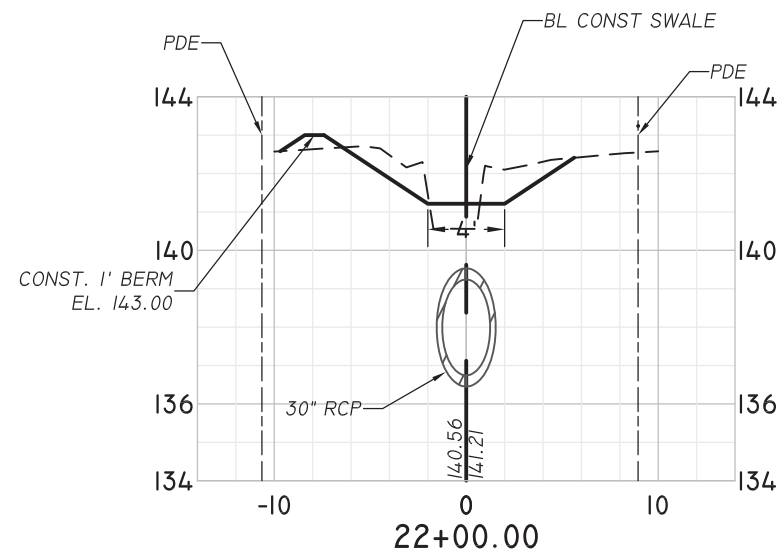
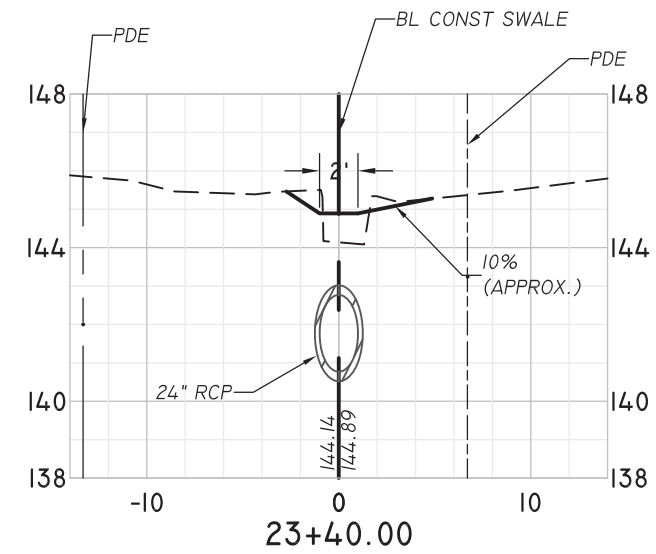
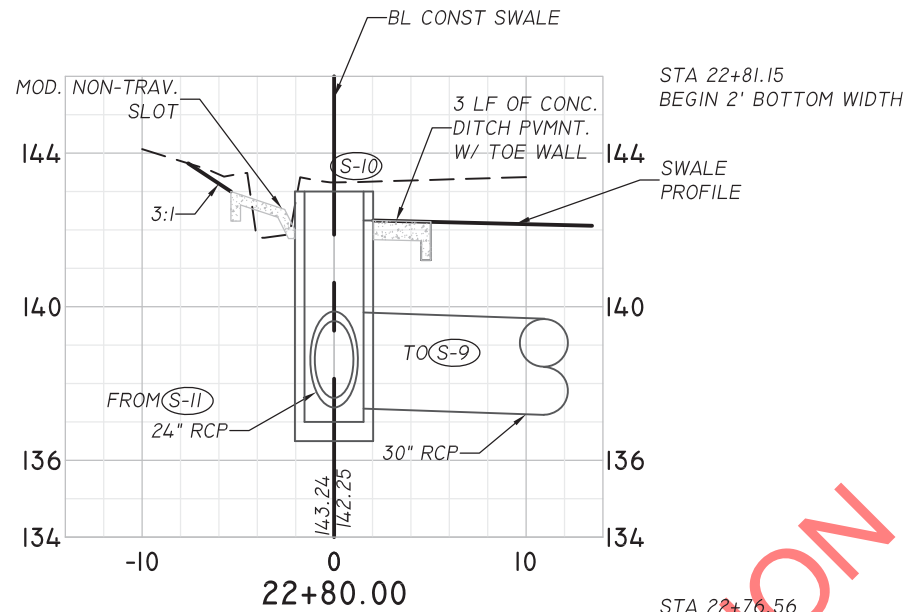
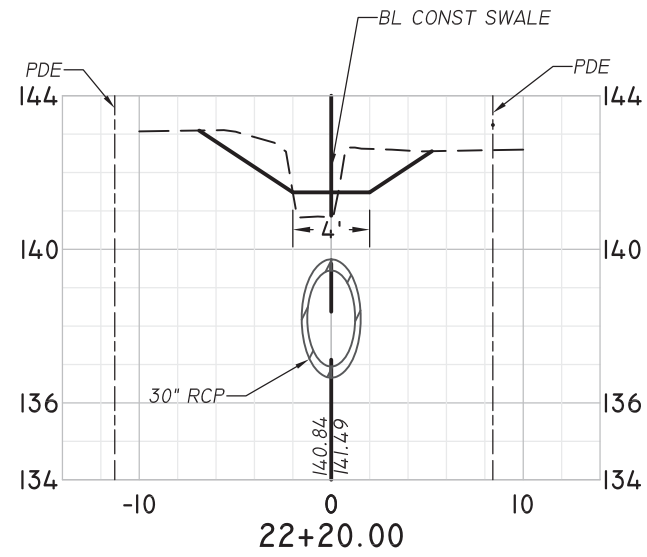
SHEET
DRAINAGE
STRUCTURES

PROJECT
PINE FOREST
DRAINAGE
IMPROVEMENTS

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www.eutawinc.com
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DESIGNED MWH
CHECKED LPL
QC MWH

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NOTE: SIDE SLOPES ARE 3H:1V UNLESS OTHERWISE NOTED

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LANE P. LUCAS
2822 REMINGTON GREEN
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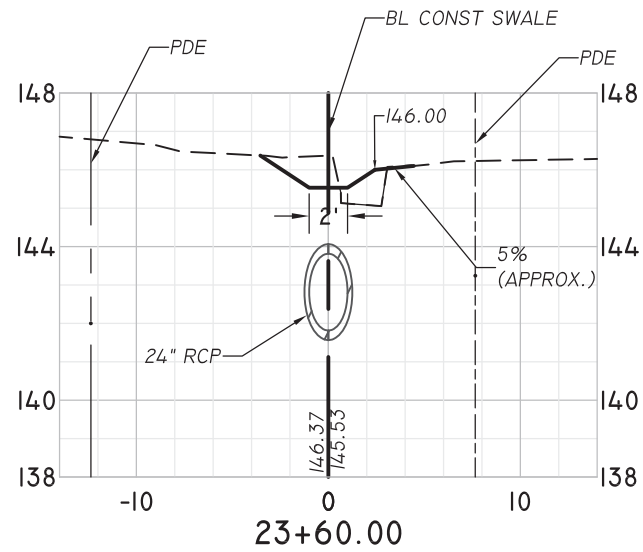
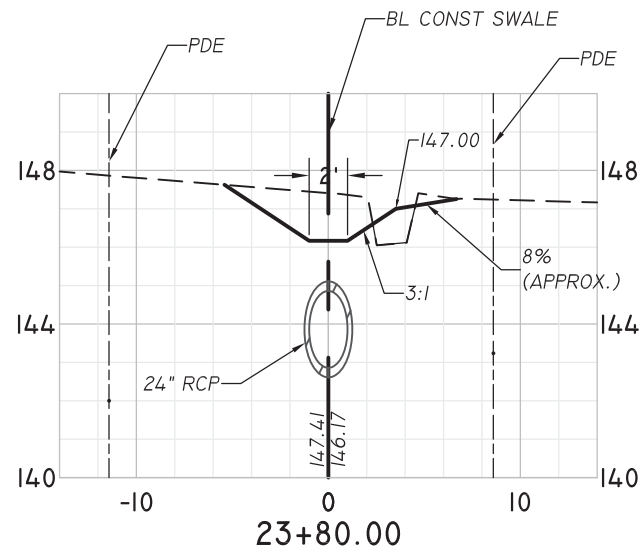
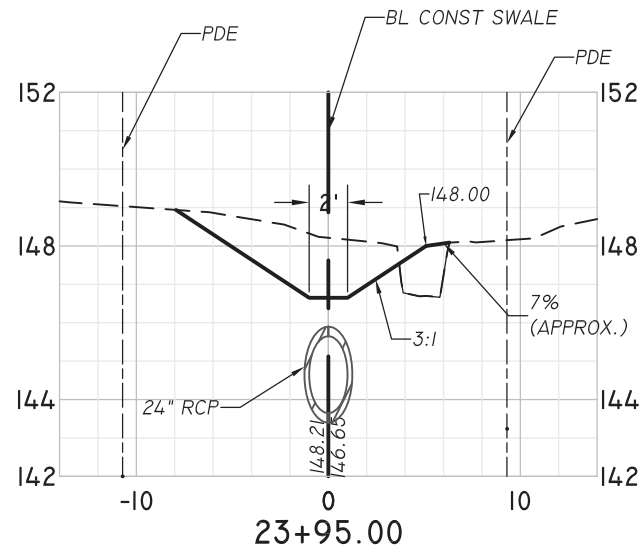
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SHEET
SWALE CROSS SECTIONS

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PINE FOREST DRAINAGE IMPROVEMENTS

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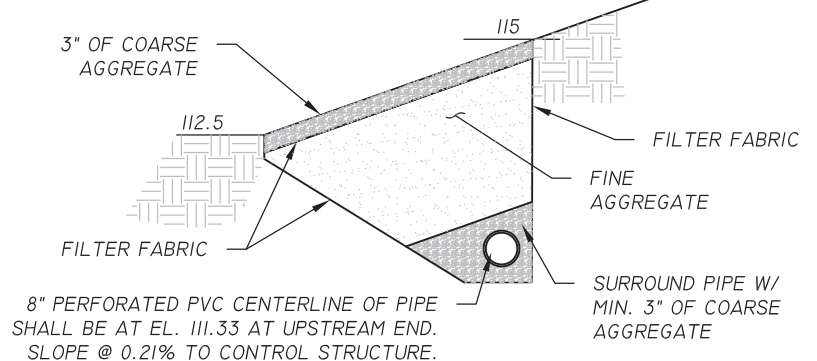
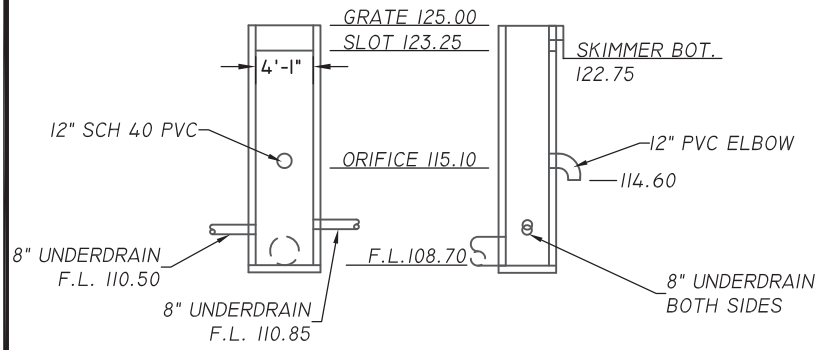
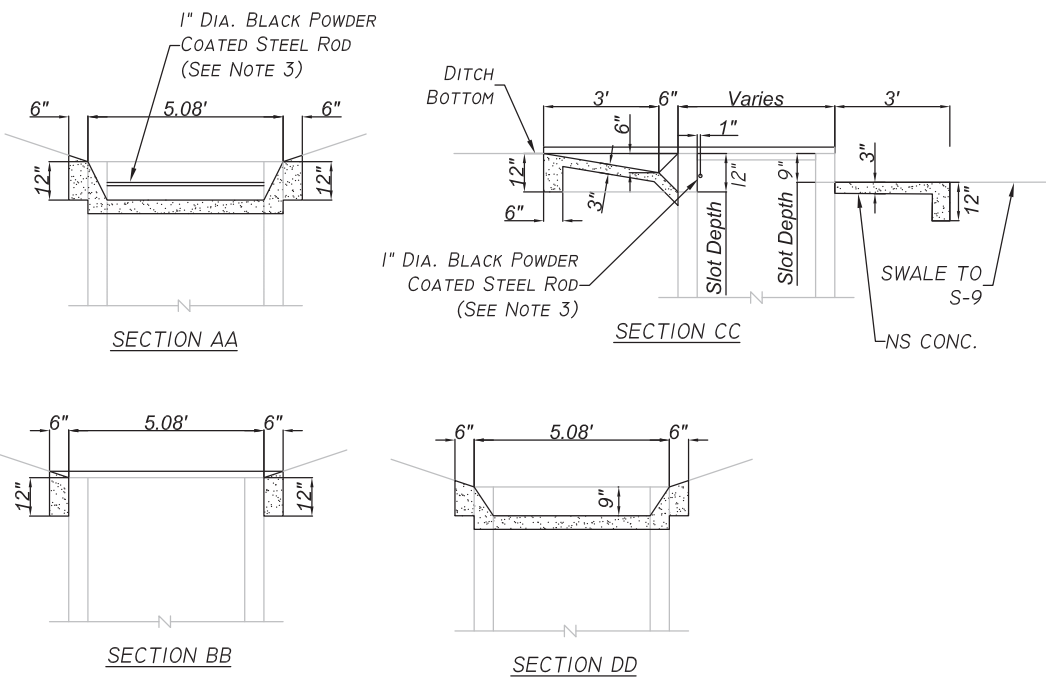
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SHEET
SWALE
CROSS SECTIONS

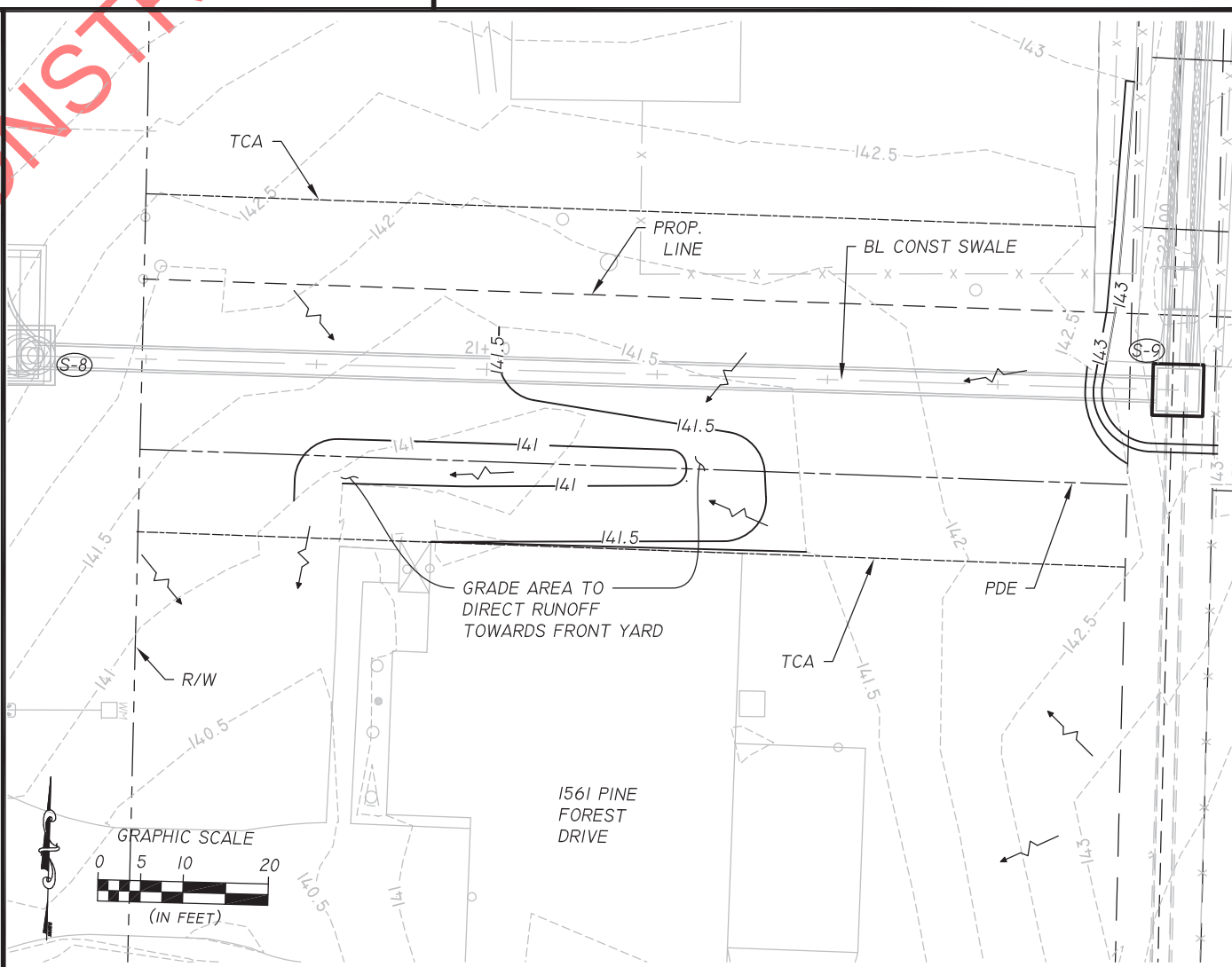
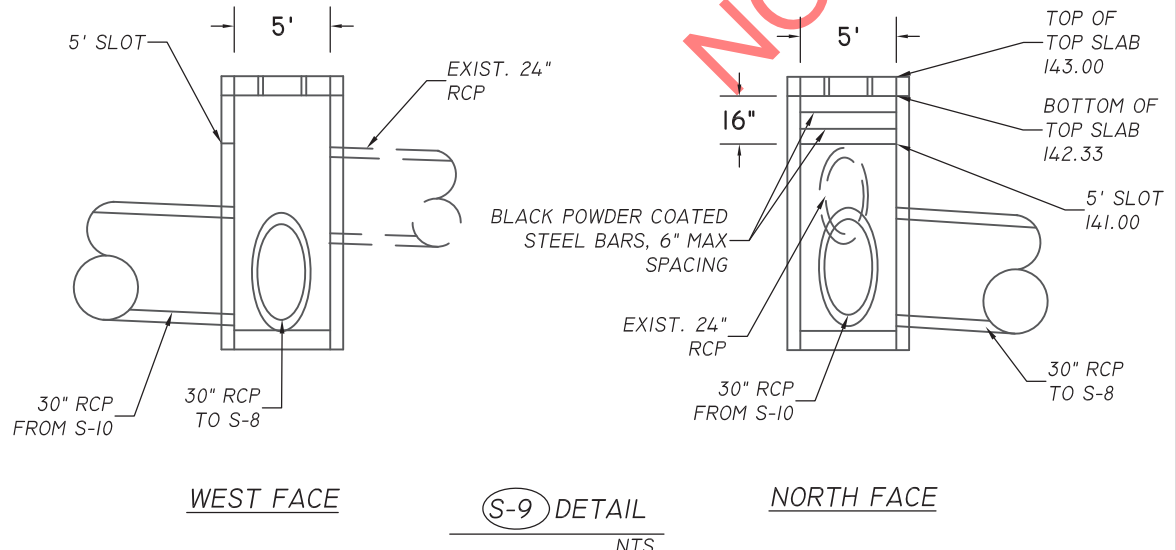
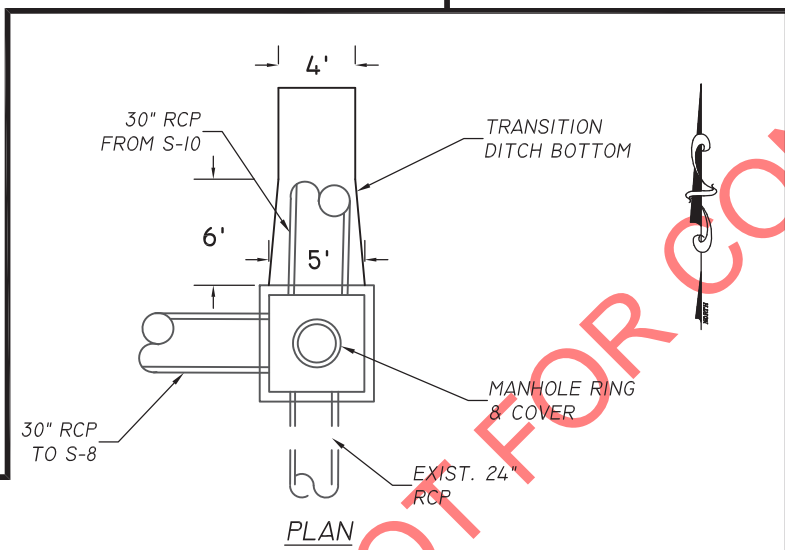
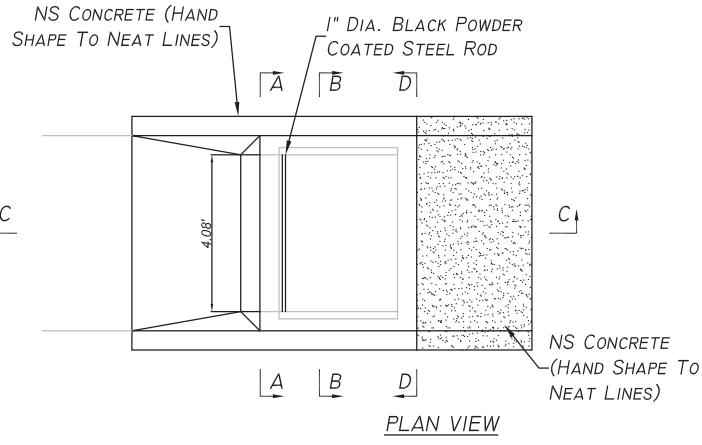
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QC: MWH



- NOTES:
1. COARSE AGGREGATE SHALL BE GRAVEL OR STONE, GRADES 4, 5, 56, OR 57.
 2. FINE AGGREGATE SHALL BE QUARTZ SAND MEETING THE FOLLOWING:
 - A. NO MORE THAN 1% SHALL BE SILT, CLAY, OR ORGANIC MATTER.
 - B. MATERIAL SHALL HAVE A UNIFORMITY COEFFICIENT OF 1.5 OR GREATER.
 - C. D10 SHALL BE NO. 70 TO 35 SIEVE.
 3. FILTER FABRIC SHALL BE TYPE D-3 AND HAVE A PERMITTIVITY OF 0.7 / SEC AND AN AOS OF #4.0 SIEVE.
 4. CLEANOUTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD PLAN 440-001.



STA. 40+55.45 35.19" RT
 CONST. DBI TYPE 'D' MODIFIED
 W/ SKIMMER AND ORIFICE TURNDOWN
 STD PLANS #425-052, #425-070
 GRATE EL.: 125.00
 INV.: 108.700 (24" PIPE, EXIST)
 INV.: 110.85 (8" UNDERDRAIN,N)
 INV.: 110.50 (8" UNDERDRAIN,E)

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SPECIAL DETAILS

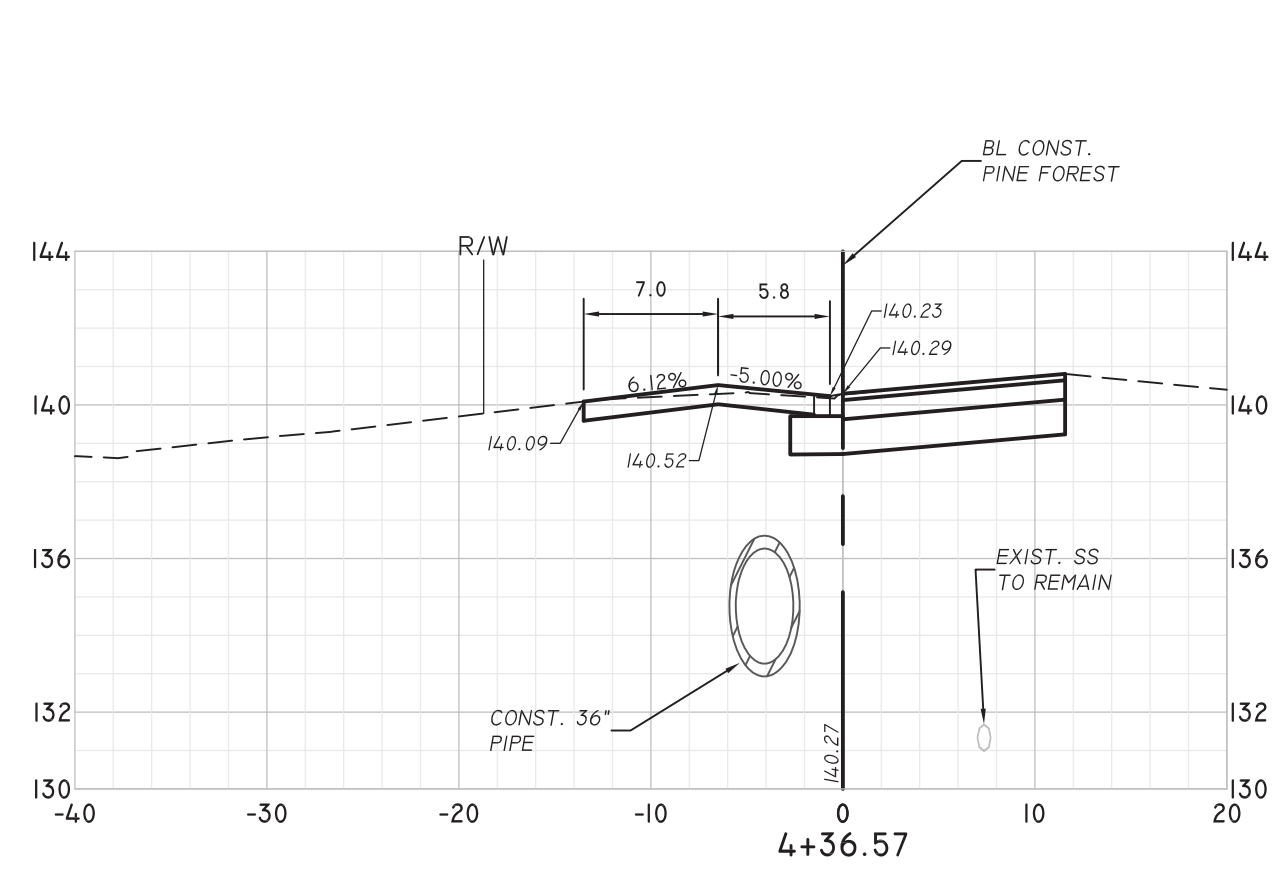
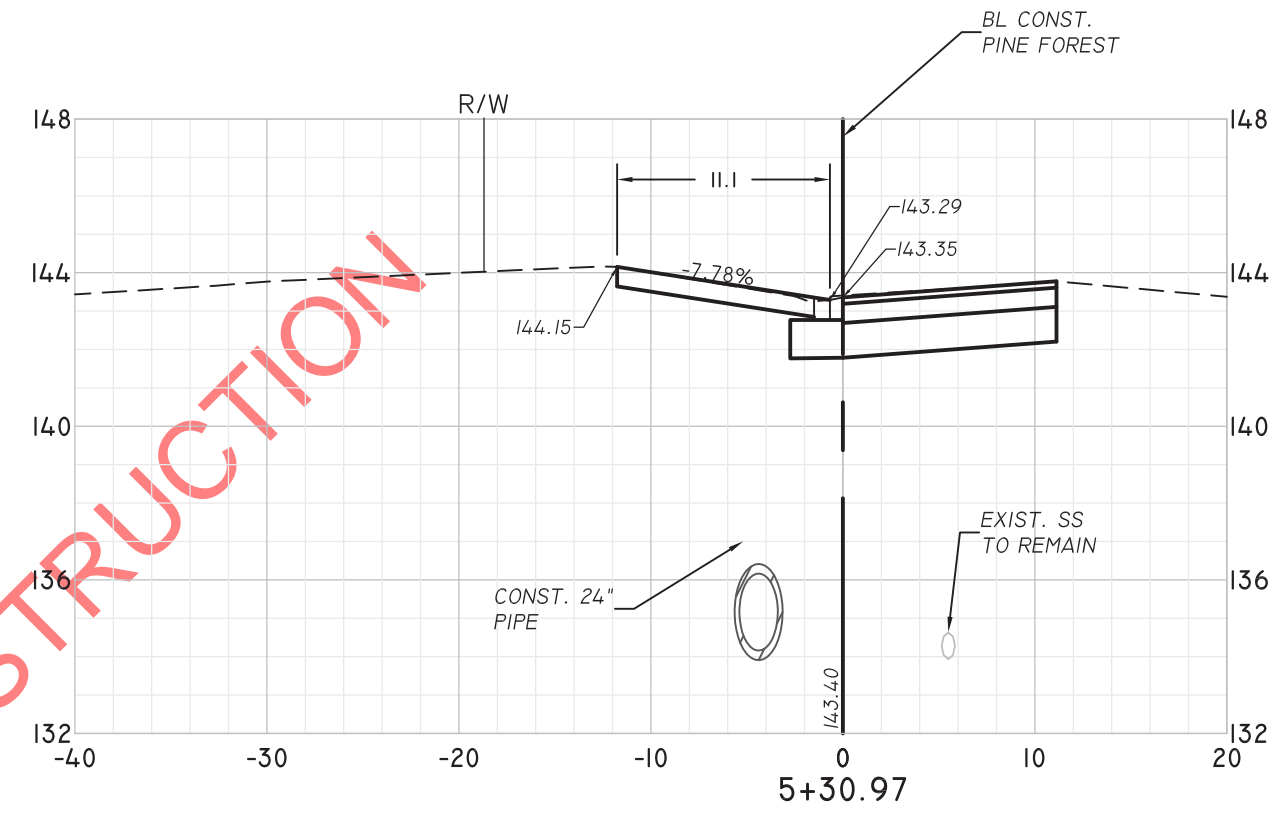
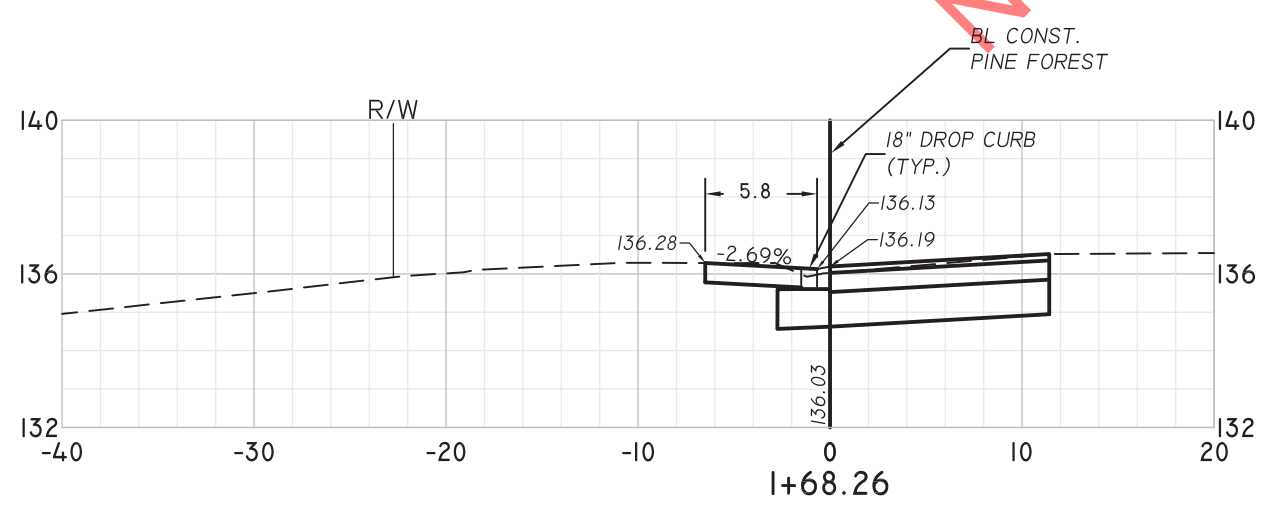
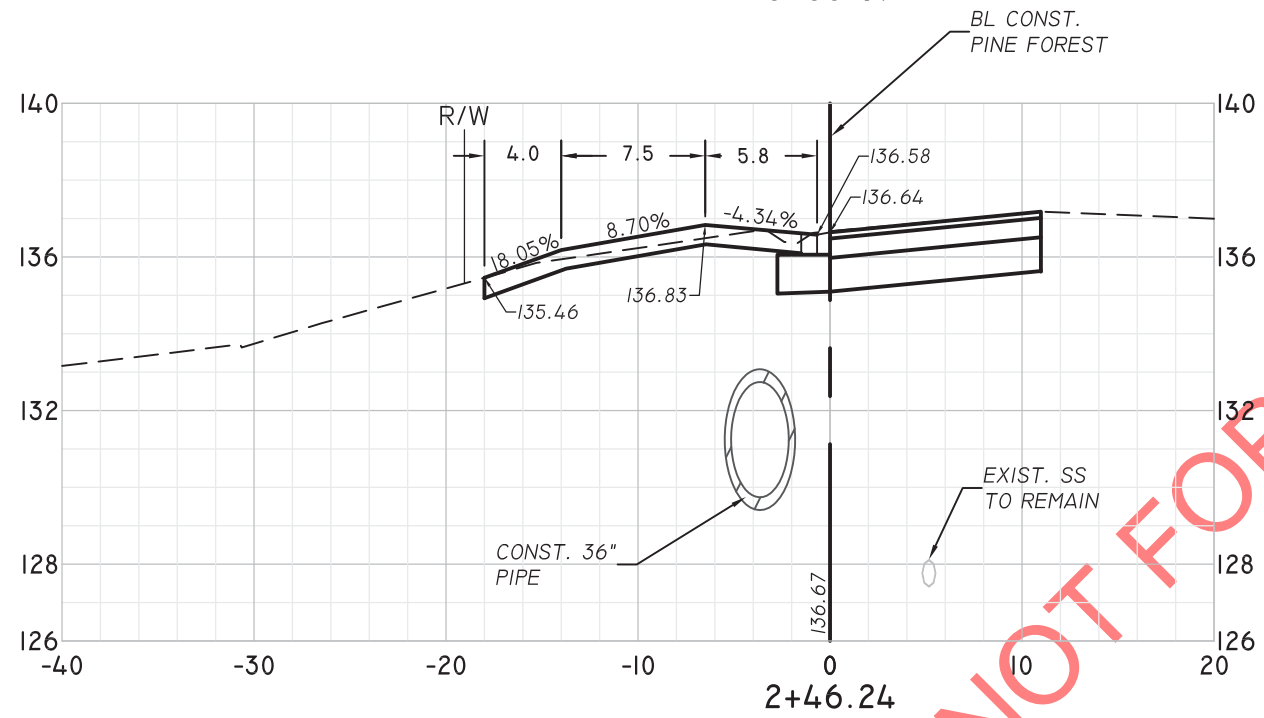
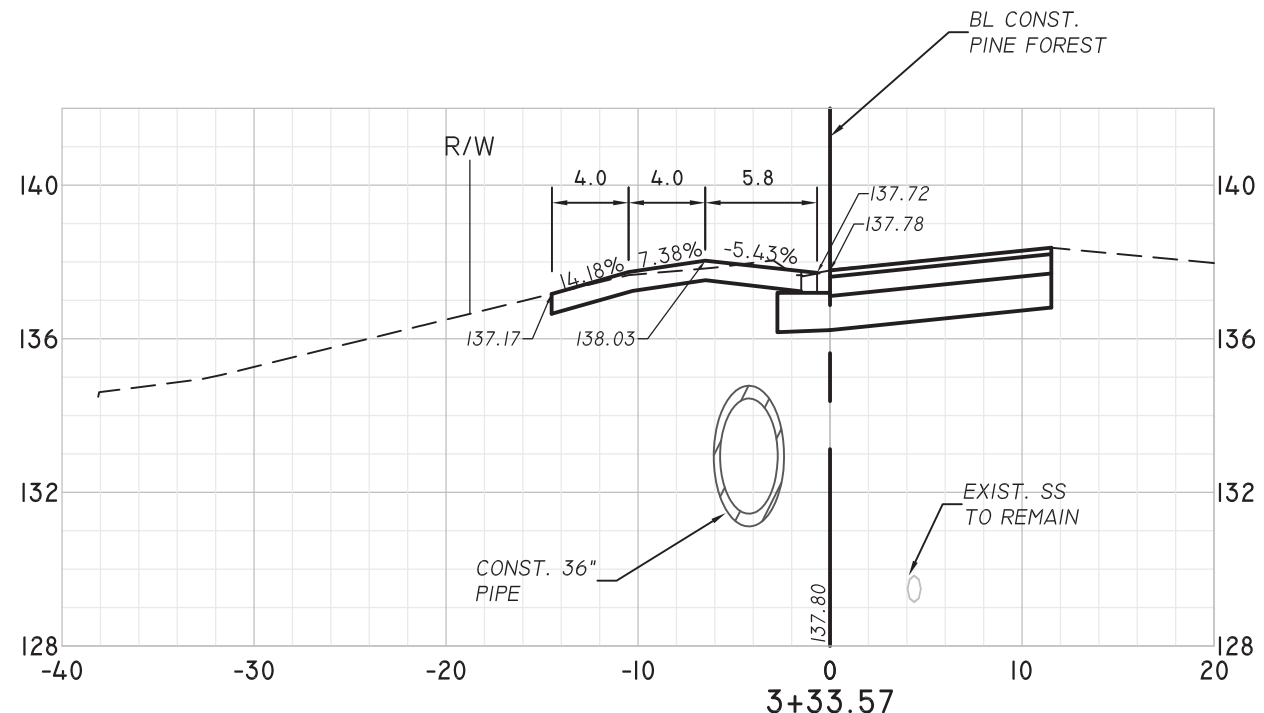
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NOTE: ALL DRIVEWAYS SHALL BE 6" CONCRETE



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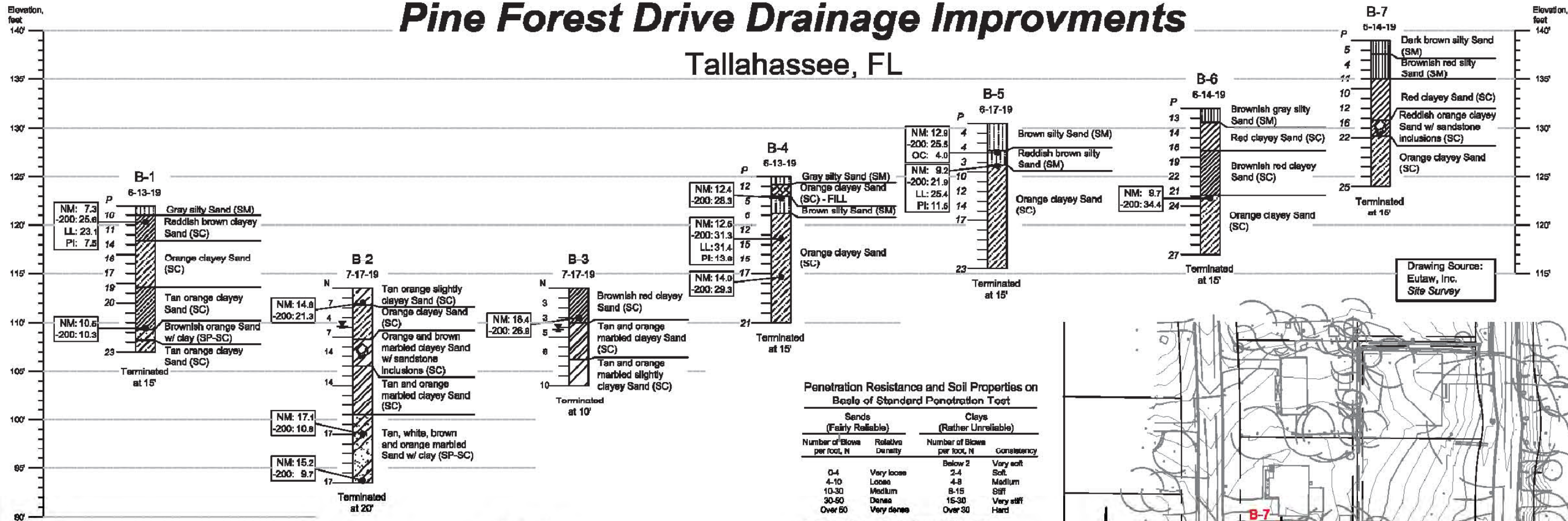
SHEET
DRIVEWAY PROFILES

PROJECT
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Subsurface Exploration for Pine Forest Drive Drainage Improvements Tallahassee, FL



Penetration Resistance and Soil Properties on Basis of Standard Penetration Test

Sands (Fairly Reliable)		Clays (Rather Unreliable)	
Number of Blows per foot, N	Relative Density	Number of Blows per foot, N	Consistency
0-4	Very loose	Below 2	Very soft
4-10	Loose	2-4	Soft
10-30	Medium	4-8	Medium
30-60	Dense	8-15	Stiff
Over 60	Very dense	15-30	Very stiff
		Over 30	Hard

1- Table 5.3 from Peck, Hanson, Thornburn, *Foundation Engineering*, 2nd Edition, 1973

NOTES

- Although the borings represent the subsurface conditions at their respective locations, it should be understood that significant differences could exist between borings and these may not be discovered until later.
- Borings performed with hand operated augers in accordance with ASTM D 1452 and supplemented with readings from a dynamic cone penetrometer device in accord with ASTM Special Technical Publication #399. As exceptions, B-2 and B-3 were done with a portable derrick and cathead in accordance with ASTM D 1586 (the Standard Penetration Test).

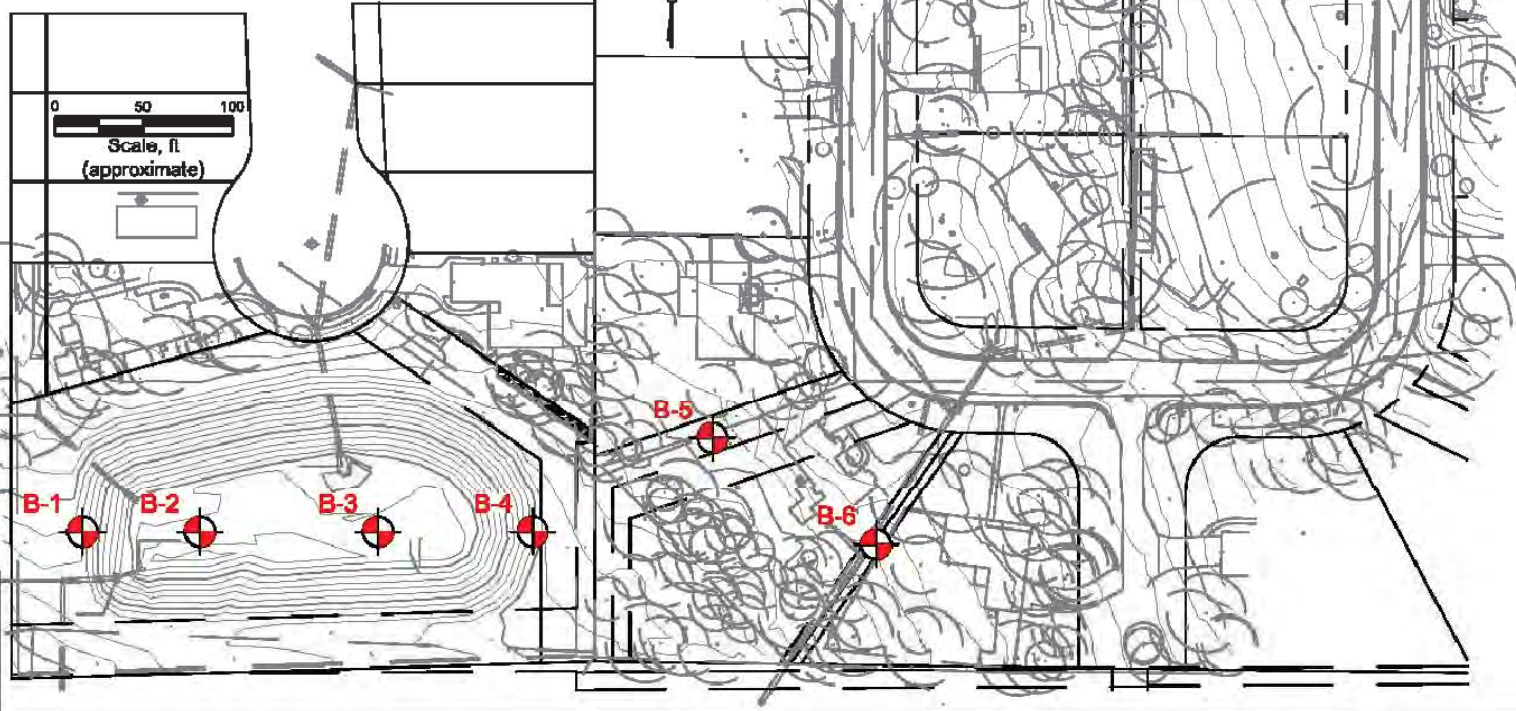


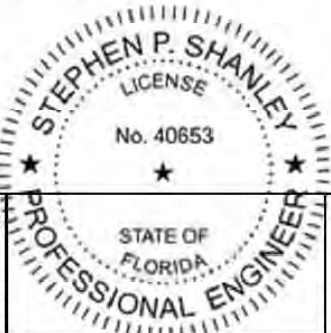
Figure 1
Boring Profiles and Locations

LEGEND

- N - Standard Penetration Test "N-value". Number of blows from 140-pound hammer to advance sampler last 12" of 18" drive.
- P - Dynamic Cone Penetrometer "P-value". Number of blows required to advance cone tip 1.75".
- NM - Natural Moisture Content, %.
- 200 - Finer than # 200 sieve, %.
- OC - Organic Content (weight basis), %.
- LL - Liquid Limit, %.
- PI - Plastic Index (LL - Plastic Limit), %.
- (SC) - Unified Soil Classification System, clayey sand (typical).
- ☒ - Groundwater level, if present.

Alpha Geotechnical and Testing Services, Inc.
 Certificate of Authorization No. 00007967
 4778-B Woodlane Circle
 Tallahassee, FL 32303
 (850) 514-4171 Fax: 514-4173 www.alpha-geotech.com

Stephen P. Shanley, PE
 FL #40653
 July 31, 2019



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SOIL SURVEY

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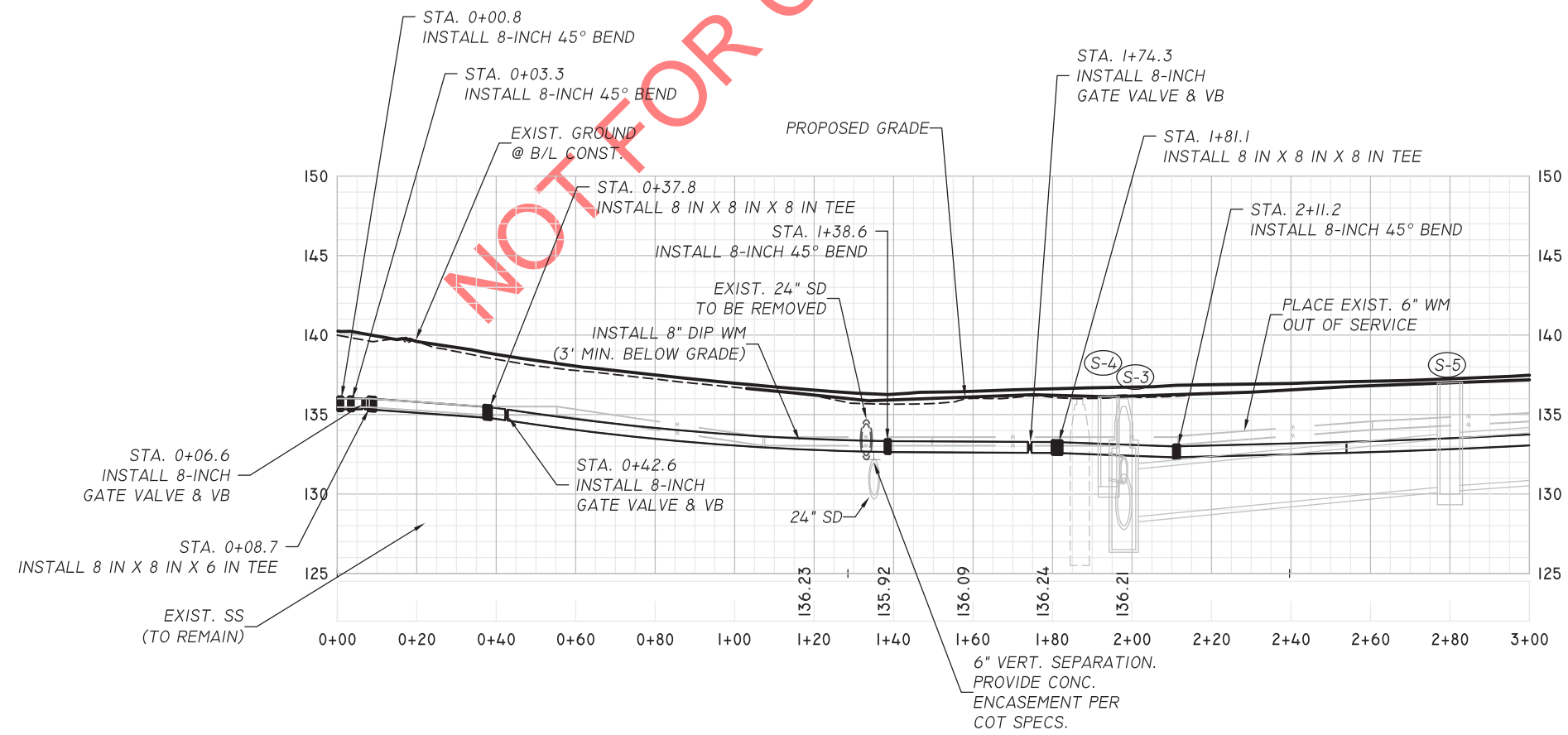
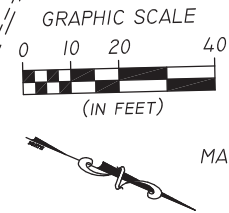
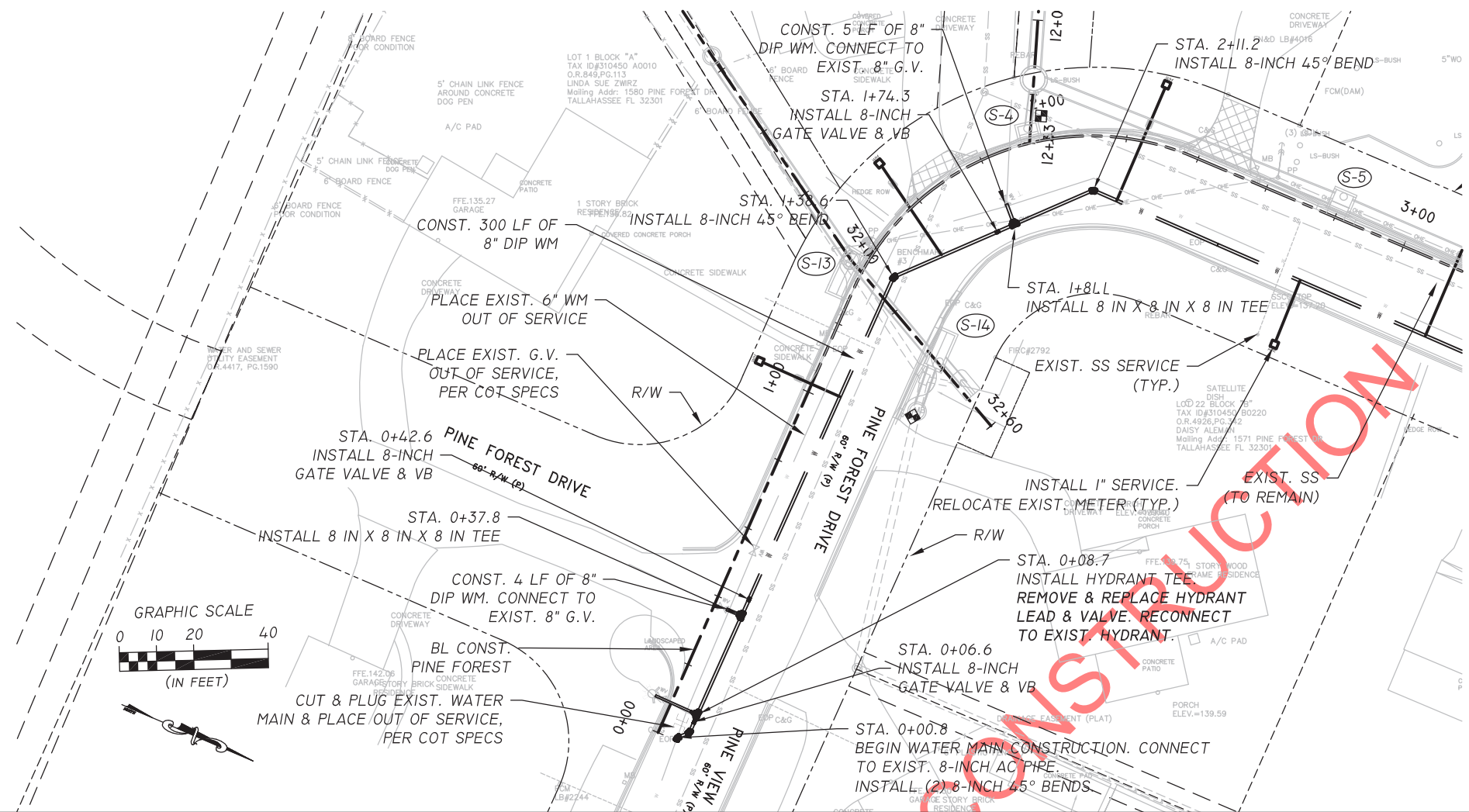
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SHEET
 WATER MAIN
 REPLACEMENT
 PLAN & PROFILE

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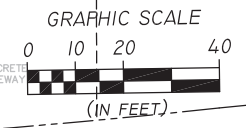
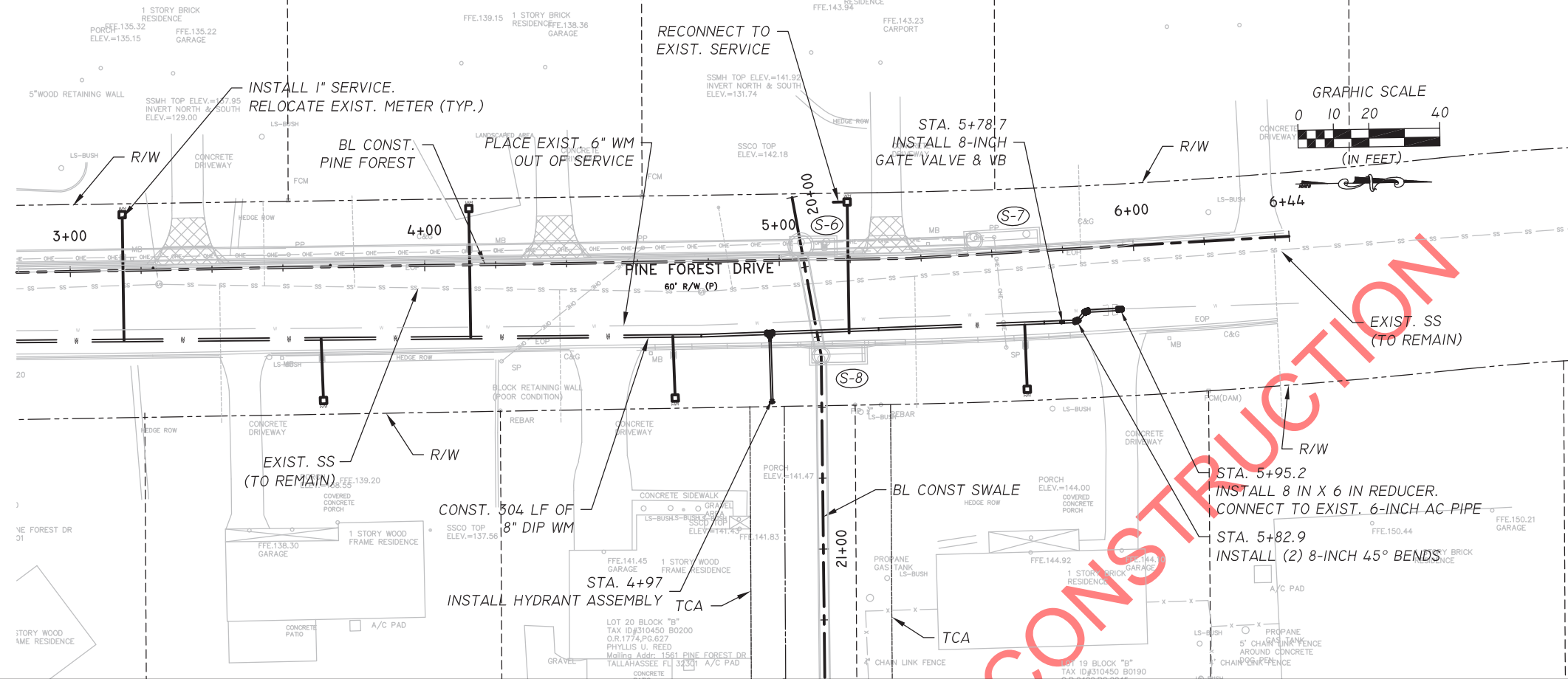
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GEORGE FLAVIN JR.
Mailing Addr: 1568 PINE
FOREST DR TALLAHASSEE
FL 32301

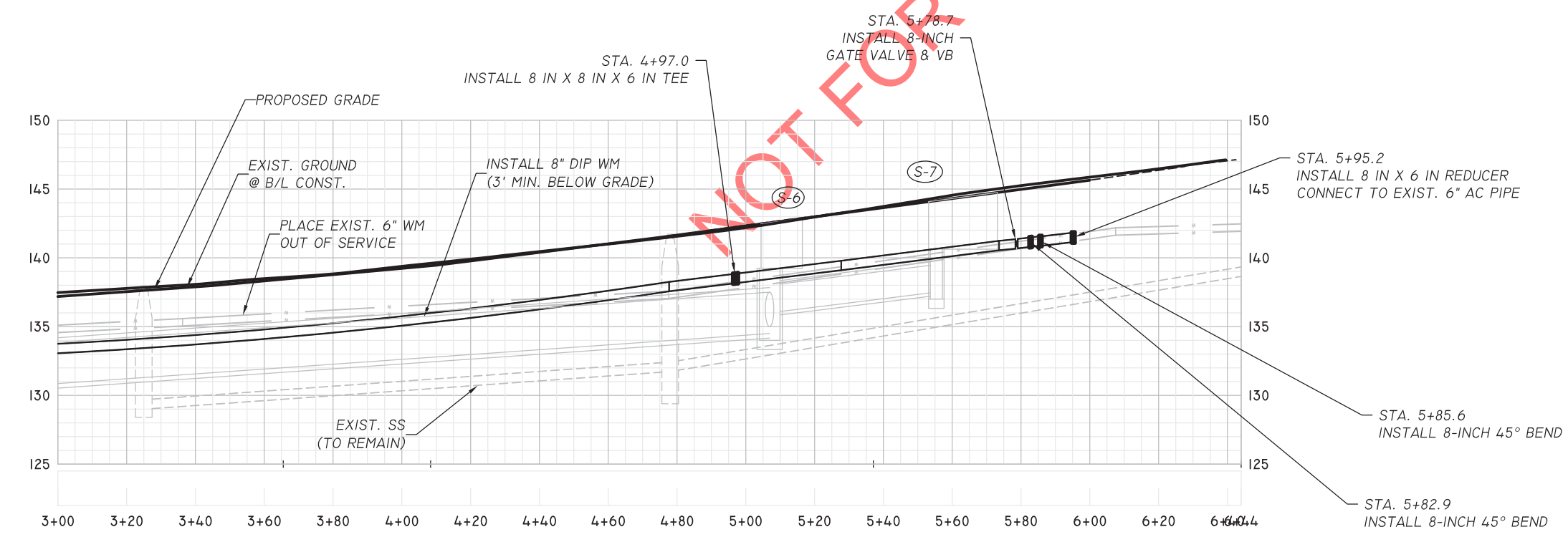
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TAX ID#310450 A0050
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JOHN T. MALLARD Mailing
Addr: 1564 PINE FOREST DR
TALLAHASSEE FL 32301

LOT 6 BLOCK "A"
TAX ID#310450 A0060
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KENNETH D. GOLDBERG JAN
G. KESHEN
Mailing Addr: 5114 CHINA
BERRY LANE TALLAHASSEE
FL 32311 Site Addr: 1560
PINE FOREST DR
TALLAHASSEE FL 32301

LOT 7 BLOCK "A"
TAX ID#310450 A0070 O.R.5077.PG.326
HILL BERNICE GAVIN RANDOLPH
LIFE ESTATE (PROBATE)
Site Addr: 1566 PINE FOREST DR
TALLAHASSEE FL 32301



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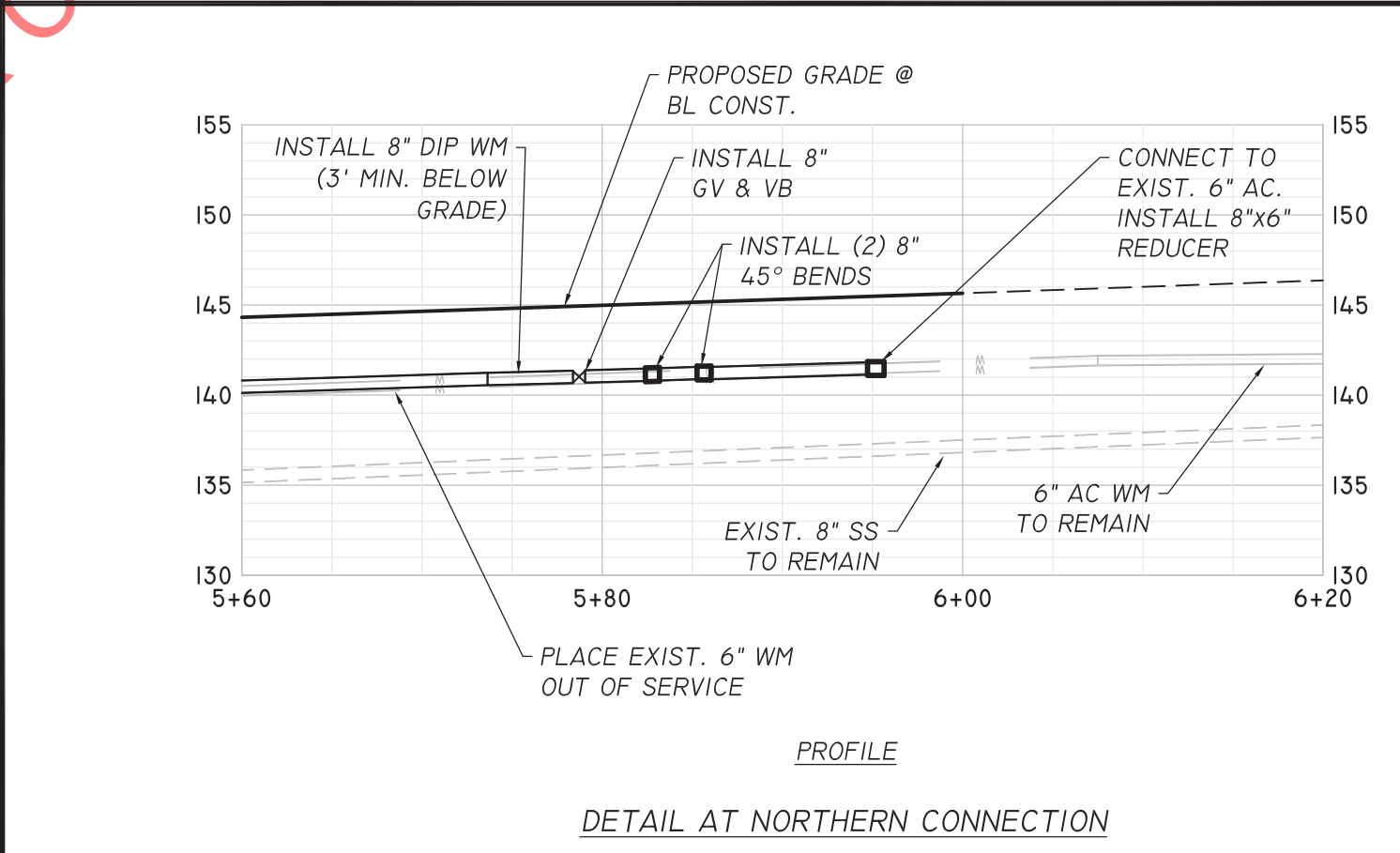
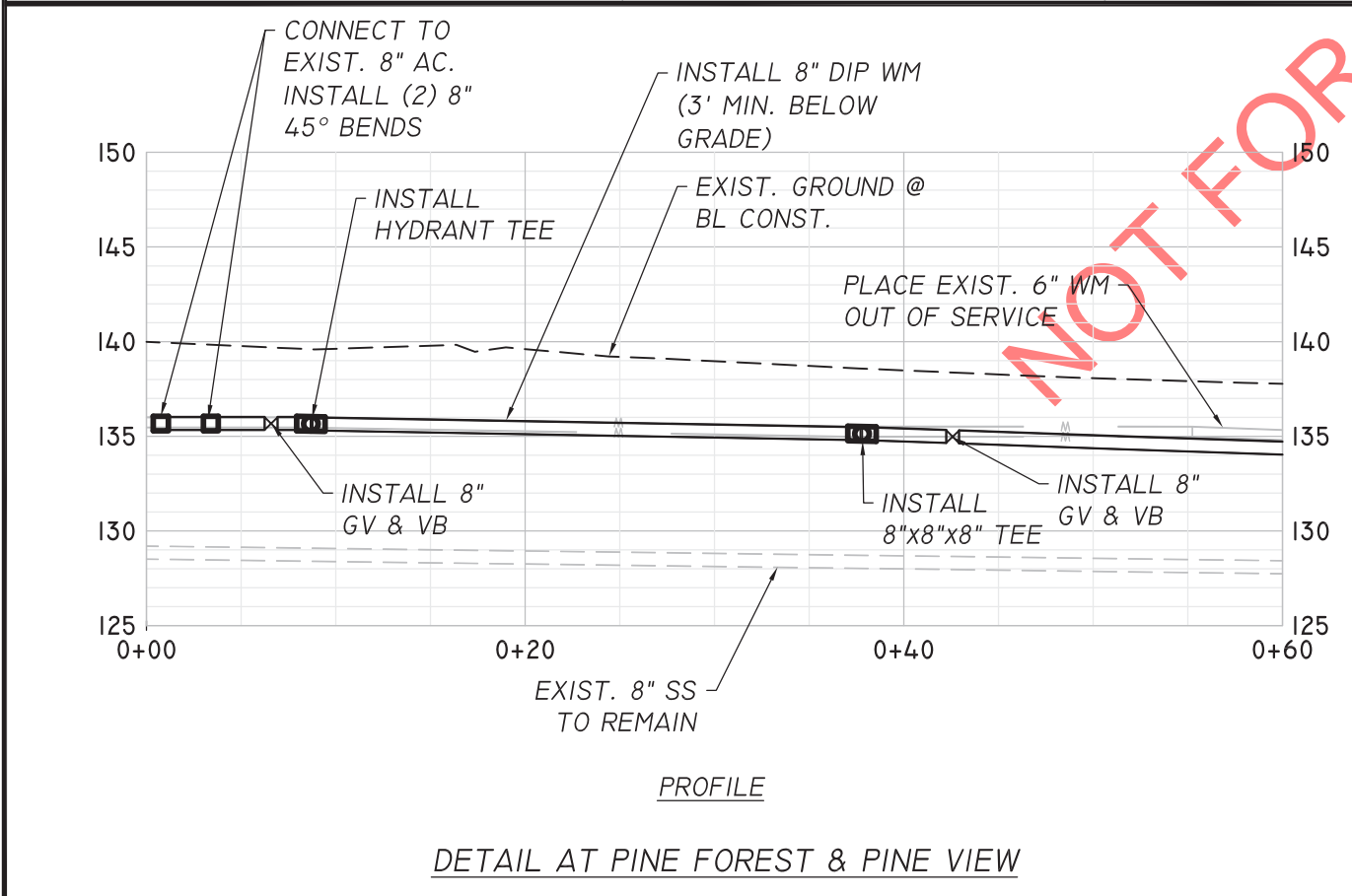
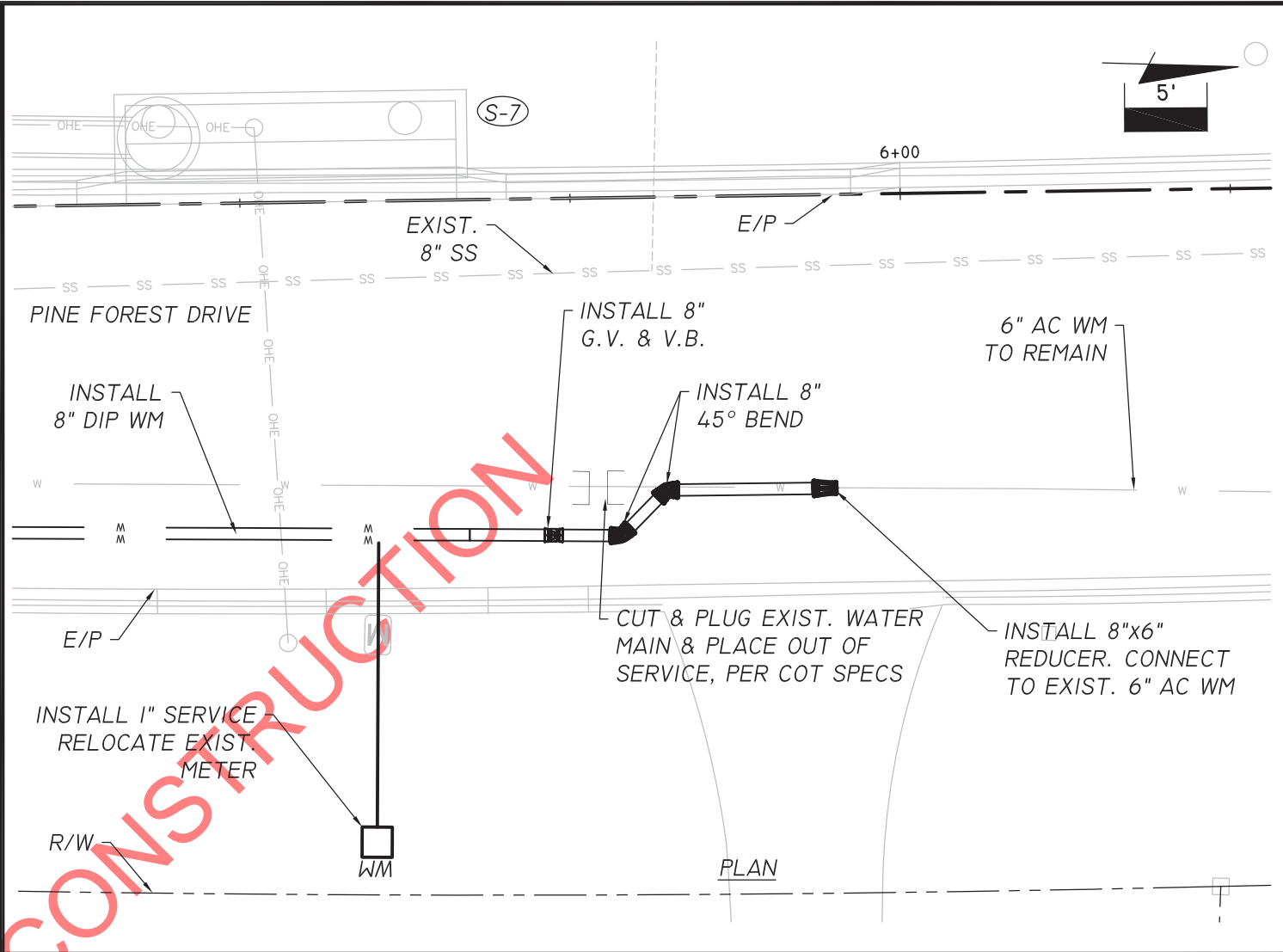
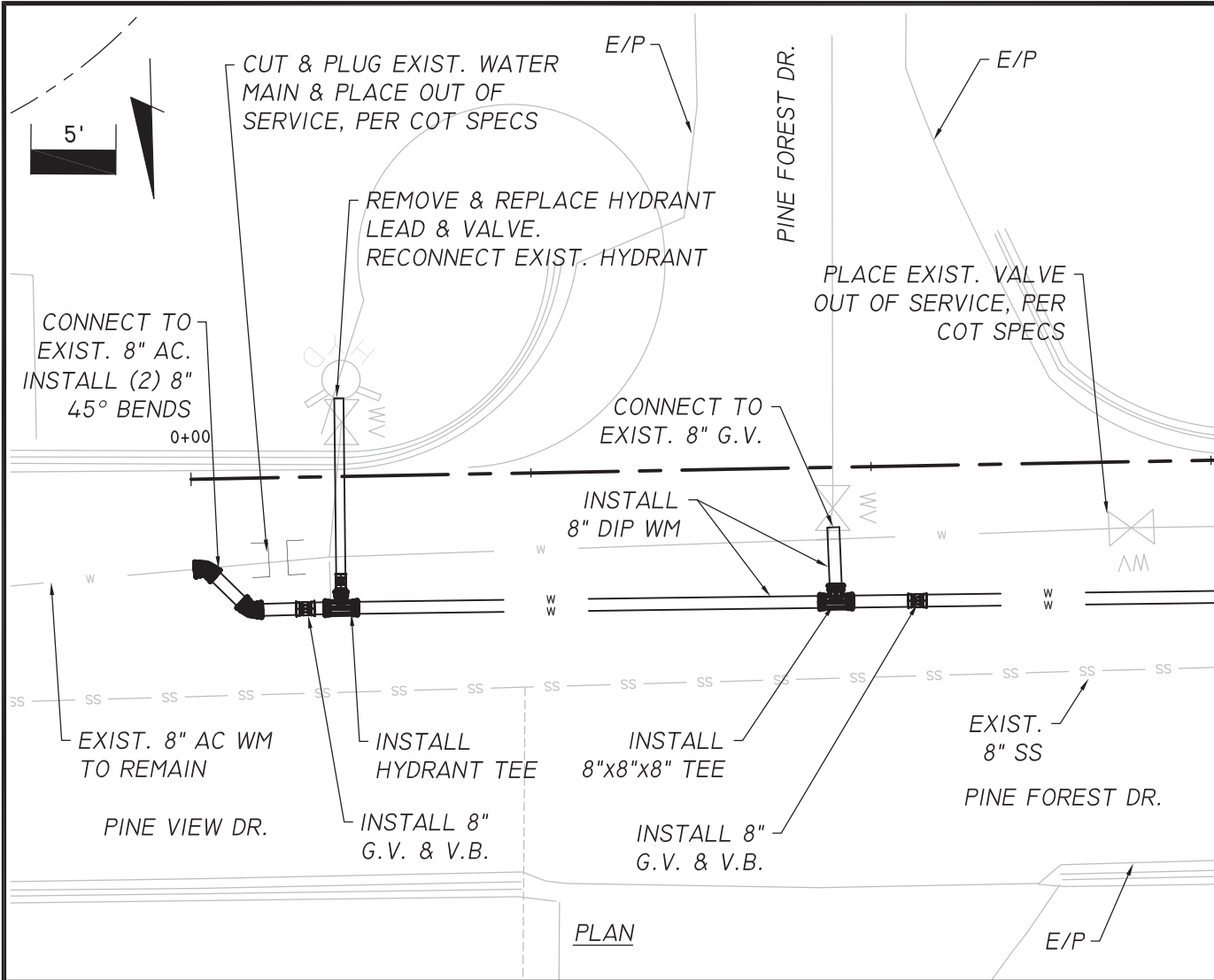
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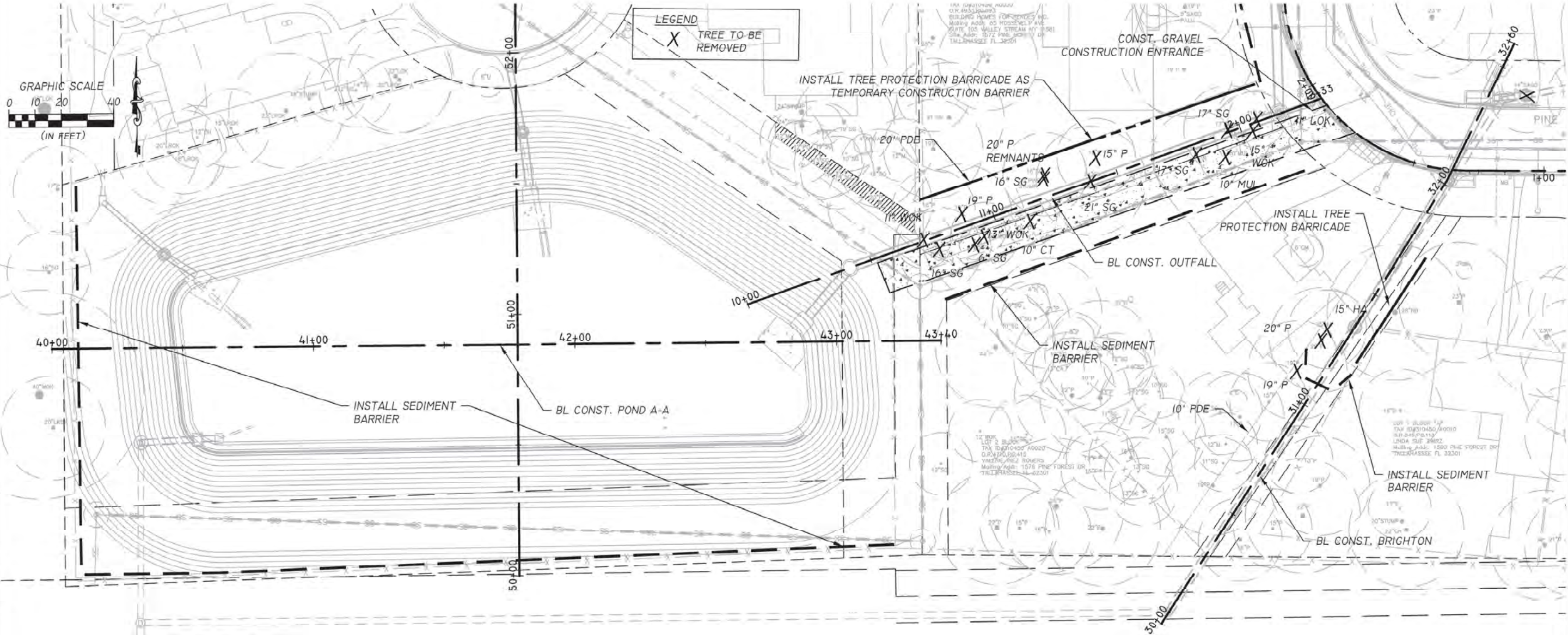
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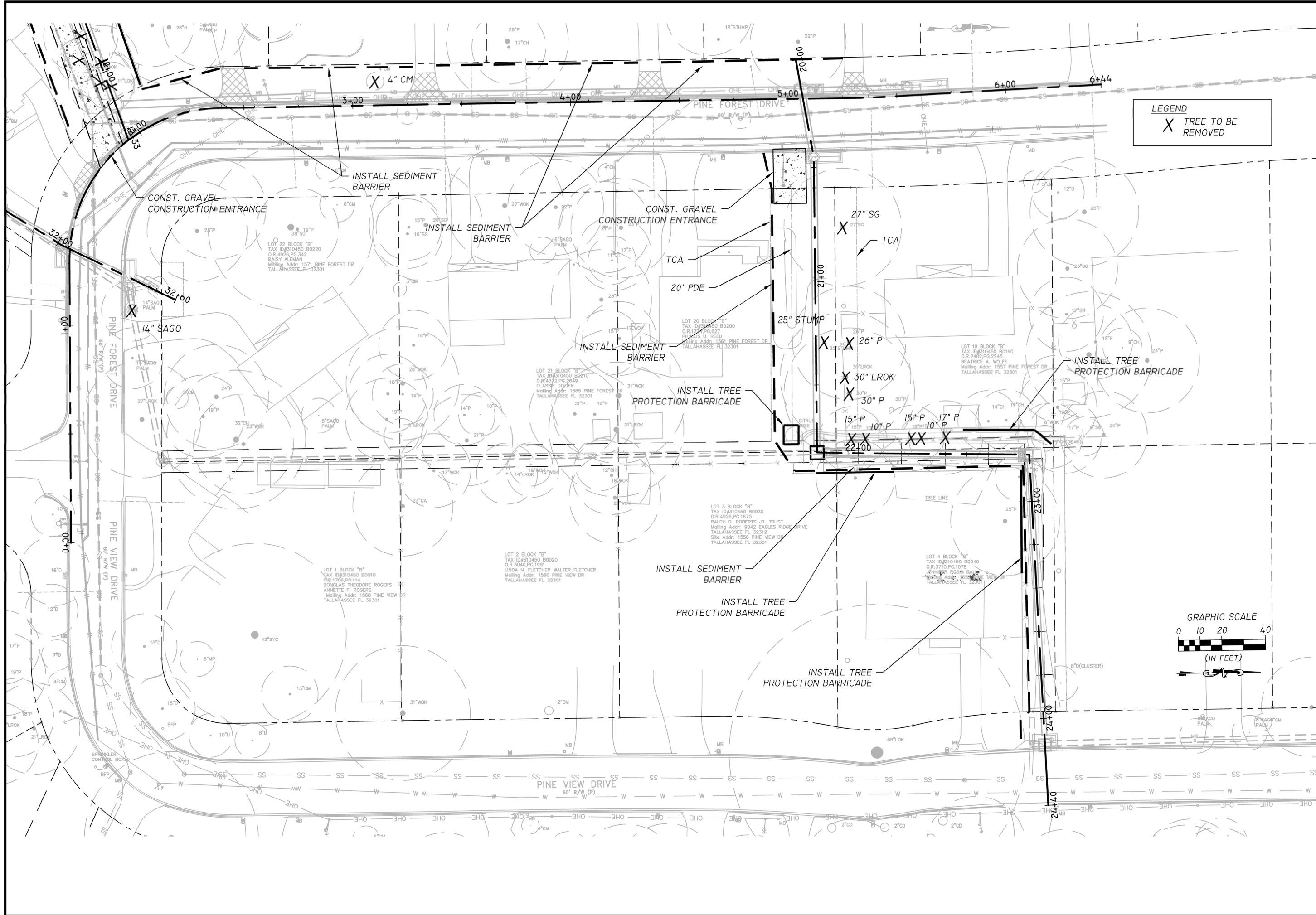
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 REMOVAL AND
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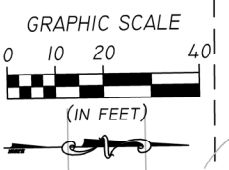
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 Engineering, Consulting, Transportation, and Water
 2022 Remington Green Dr., Suite 200
 Tallahassee, Florida 32308
 Phone: (904) 333-0400
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LEGEND
X TREE TO BE REMOVED



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SHEET TREE PROTECTION/ REMOVAL AND EROSION CONTROL

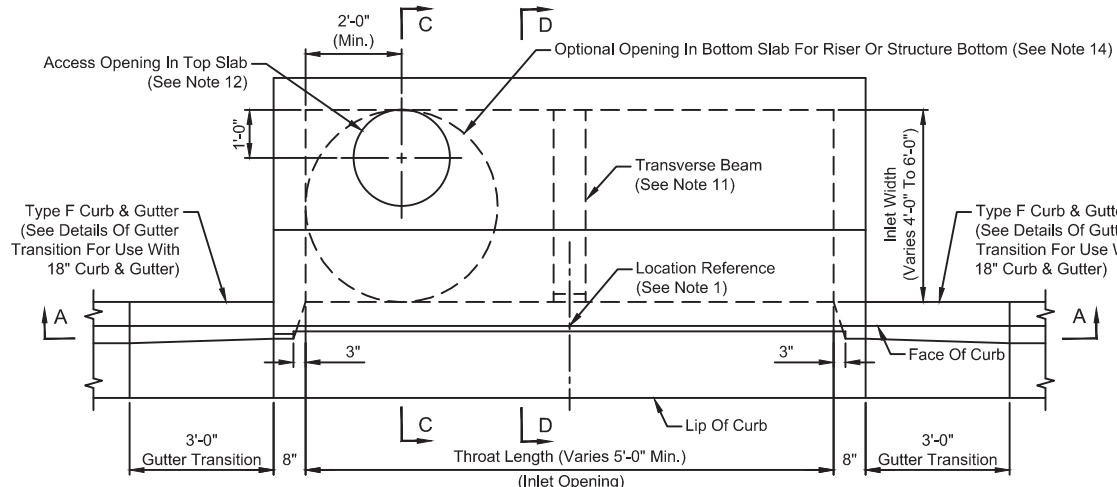
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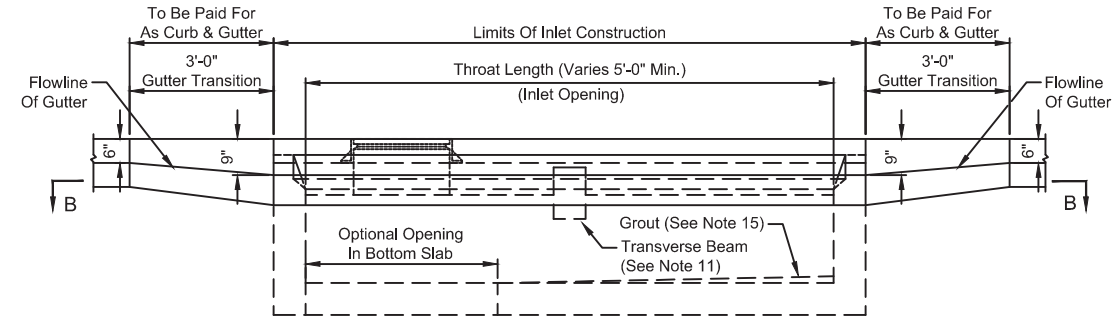
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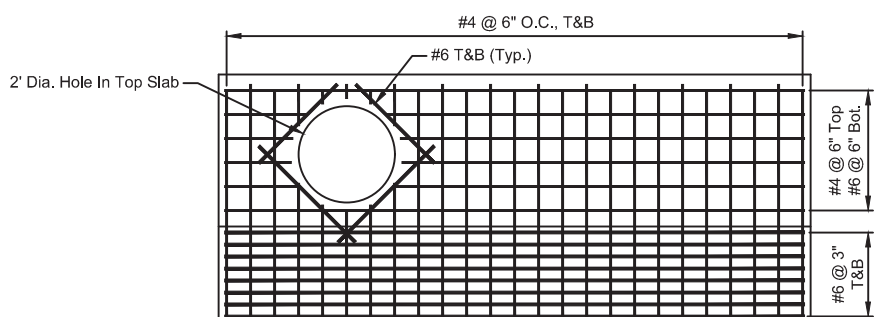
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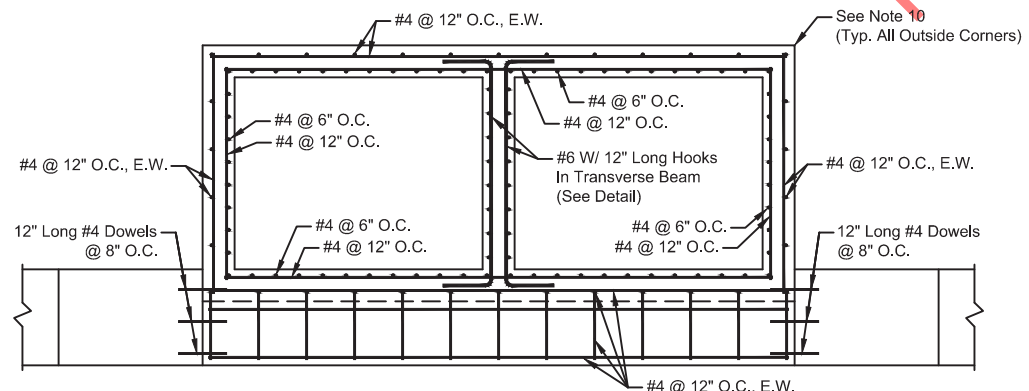
TOP VIEW



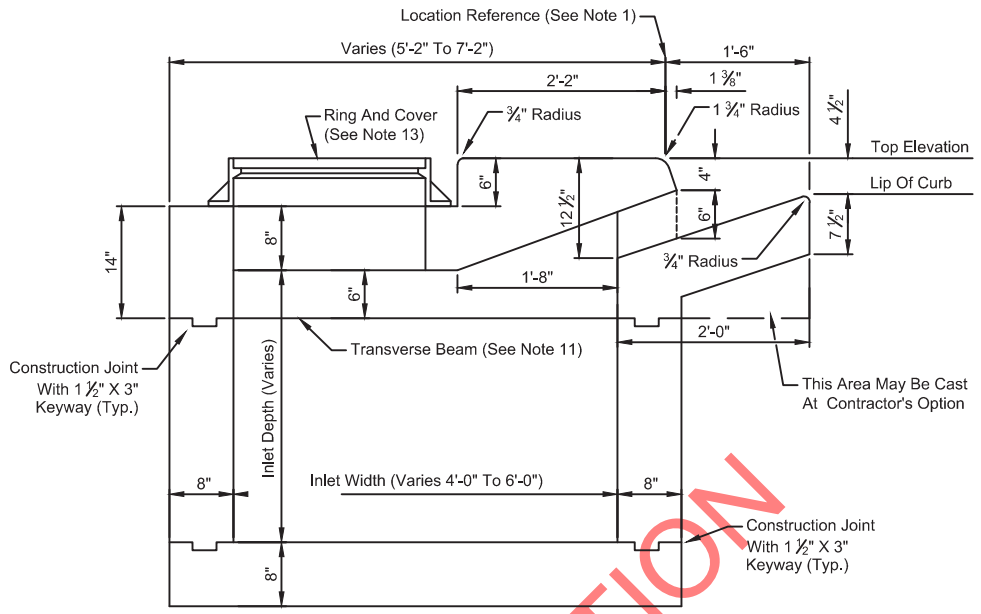
SECTION AA



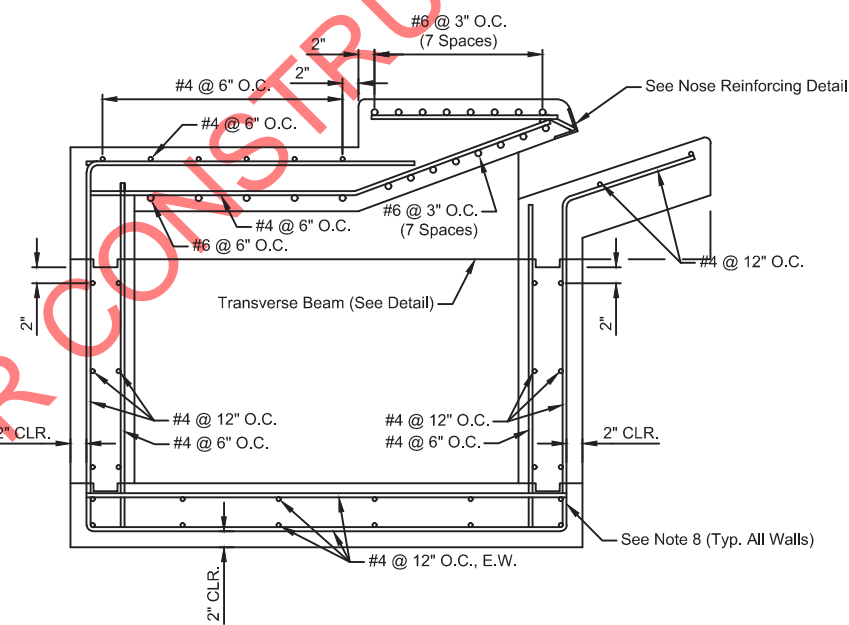
TOP SLAB REINFORCEMENT PLAN



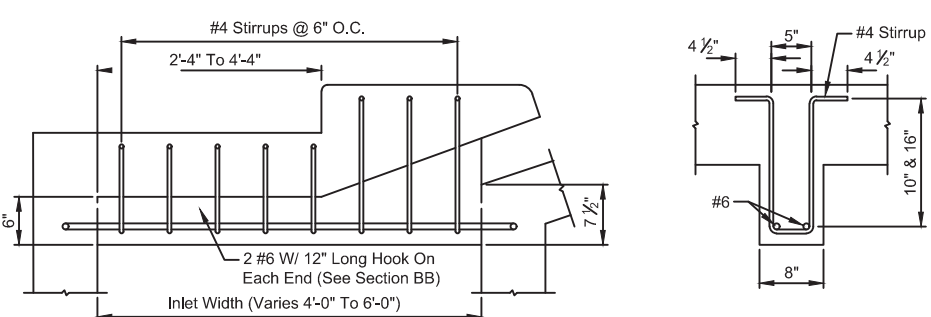
SECTION BB
(Optional Opening In Bottom Slab Not Shown)



SECTION CC
(Optional Opening In Bottom Slab Not Shown)



SECTION DD
(Optional Opening In Bottom Slab Not Shown)



TRANSVERSE BEAM DETAIL

GENERAL NOTES

- The SP-HC inlet "location reference" in the plans is at the mid point of the inlet opening at the face of curb (See TOP VIEW).
- The top of the inlet is to be parallel to the vertical alignment of the lip of curb. Bend the reinforcing steel and the nose reinforcing angle as required. The bottom slab is to be level. When an inlet is constructed on a roadway with existing curb and gutter, the lip of curb elevation and location shall match the existing lip of curb unless shown otherwise. The Contractor shall provide surveyed control points as needed to re-establish the horizontal location and vertical alignment of the lip of curb and to set the elevations of the top of the inlet.
- The exposed portion of the inlet top shall slope toward the roadway at a 1.0% grade unless otherwise shown.
- For inlets constructed on curves, determine the radii and modify the inlet details accordingly. Bend the steel as required. The front and back edges of exposed concrete surfaces are to be parallel.
- All concrete shall be FDOT Class III, $f'c = 5,000$ psi.
- Chamfer all exposed edges and corners $3/4"$ or tool to a $1/4"$ radius unless otherwise shown.
- All reinforcing steel is to be ASTM A-615 Grade 60 bars with $1/4"$ minimum cover unless otherwise shown. Lap splices shall be a minimum of 16" in length for #4 bars and a minimum of 24" in length for #6 bars, except as noted.
- Vertical reinforcement in the outside mats in the walls shall be a continuation of the reinforcement in the bottom mat in the floor slab. These bars may be spliced only if a minimum splice length of 16" is provided.
- The outside row of vertical bars in the back and side walls shall be bent and shall extend a minimum of 16" into the top mat of the top slab.
- Horizontal reinforcement at outside corners of wall sections shall continue around corners with lap splice, or corner bars shall be used to lap splice with horizontal wall reinforcement of each adjoining wall.
- Transverse beams are required for all inlets with throat lengths greater than 10'-0". Transverse beams are to be equally spaced with center to center spacing not to exceed 10'-0".
- A single access opening shall be cast in the top slabs of inlets from 5'-0" to 10'-0" in length. Additional access openings may be required for inlets greater than 10'-0" in length. An access opening shall be provided for each cell of an inlet greater than 10'-0" in length when the distance from the floor of the inlet to the bottom of the transverse beam(s) is less than 24". All access openings shall be placed adjacent to the rear wall of the inlet. Only one access opening is allowed in each segment of inlet top between an outside wall and a transverse beam or between two transverse beams. Access openings shall be placed near discharge pipes to the extent practicable. When inlets are placed on risers or structure bottoms, access openings shall be placed over the risers or structure bottoms. Reinforcing bars may be adjusted slightly to avoid interruption of the bars for the opening(s).
- A ring and cover shall be provided for each access opening. A 3'-0" ring and 2-piece cover shall be installed for inlets 5' or greater in width when the distance from top of the ring and cover to invert of the discharge pipe is 5'-0" or greater. Slab type rings shall be cast into top slabs of inlets 3' in width and inlets 4' or greater in width with slots. A USF TJ (No. 8017195) or EJ Group No. 3062A2 cover shall be provided for each ring.
- When an inlet is placed on a riser or structure bottom, the inlet shall be cast with a round opening in the bottom slab at the location of the riser or the opening in the top slab of the structure bottom. The diameter of the opening shall be a minimum of 4'-0" for an inlet 4' or greater in width, and shall be 3'-0" for a 3' wide inlet. The inlet shall be joined to the riser or structure bottom with 12" long #4 dowels evenly spaced at 12" maximum spacing around the opening. Dowels may be adhesive-bonded in accordance with FDOT Specification Section 416, or may be placed approximately 6" into fresh concrete, leaving the remainder to extend into the secondary cast.
- Grout is to be placed at the bottom of the inlet as shown on FDOT Index No. 425-001 and sloped to the invert elevation of the outflow pipe or to the optional opening in the bottom slab.
- See FDOT Index No. 425-001 for supplemental details.
- The inlet bottom and walls may be precast in accordance with the requirements listed on Sheet 3.
- SP-HC Inlets are to be paid for by the contract unit price for each inlet as identified by structure number. Payment shall include cost of concrete, reinforcing steel, cast iron ring(s) and cover(s), nose reinforcing, grout, and riser and/or structure bottom when called for in the plans. No adjustment in the contract unit cost will be made for precast construction.

LEGEND

- O.C. = On Center CLR. = Clear
E.W. = Each Way T&B = Top And Bottom

REVISIONS		DESCRIPTION
DATE	BY	Update Index References To FDOT Standard Plans
03/13/18	RJM	

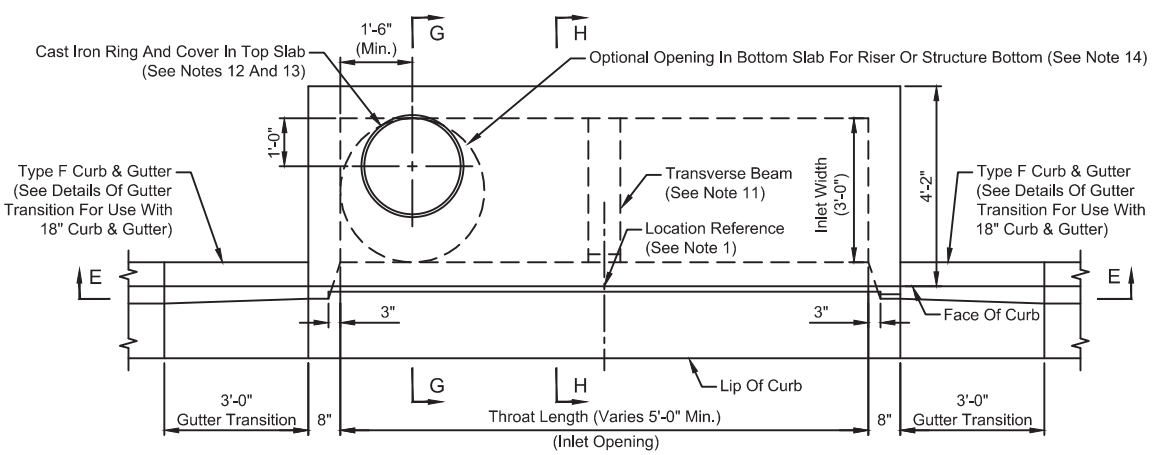
STRUCTURAL DESIGN BY
Stephen A. Nichols, P.E.
P.E. License No. 27463
Inovia Consulting Group
1983 Center Point Blvd., Suite 103
Tallahassee, Florida 32308

STANDARD DETAILS
CURB INLET TYPE SP-HC

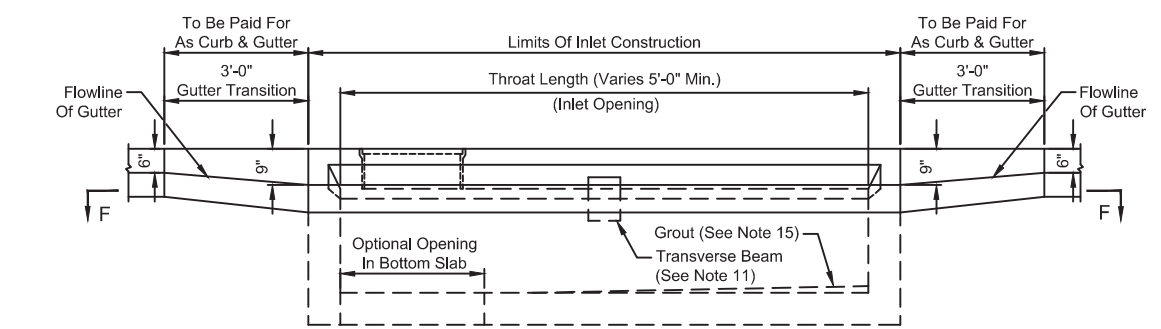


LAST REVISION
03/13/18

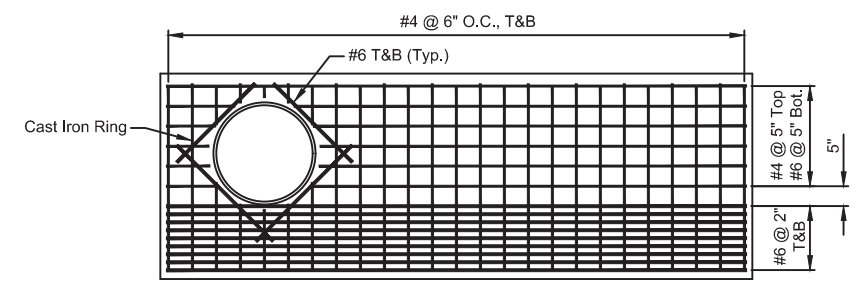
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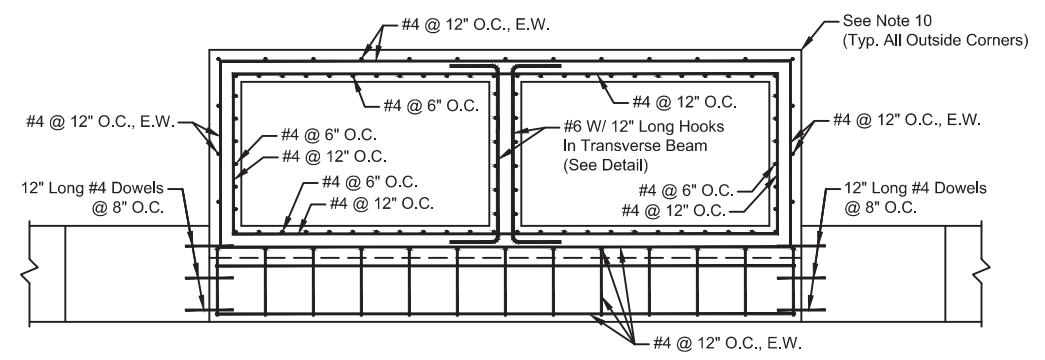
TOP VIEW - 3' WIDE INLET



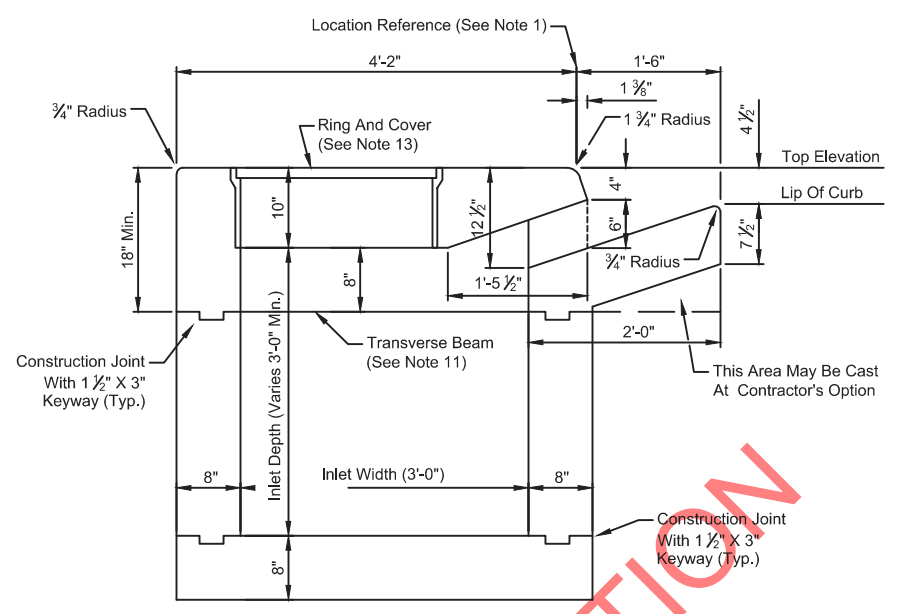
SECTION EE - 3' WIDE INLET



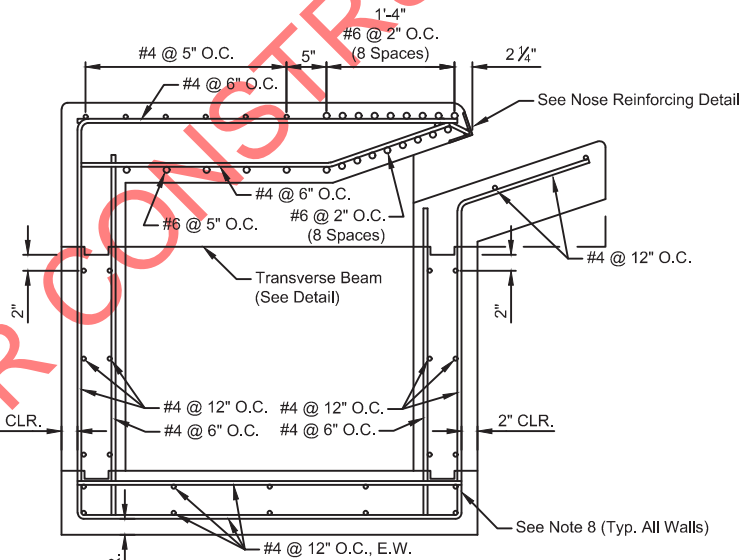
TOP SLAB REINFORCEMENT PLAN - 3' WIDE INLET



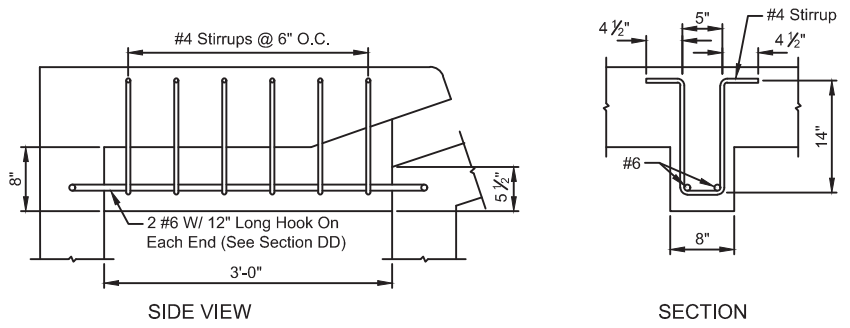
SECTION FF - 3' WIDE INLET
(Optional Opening In Bottom Slab Not Shown)



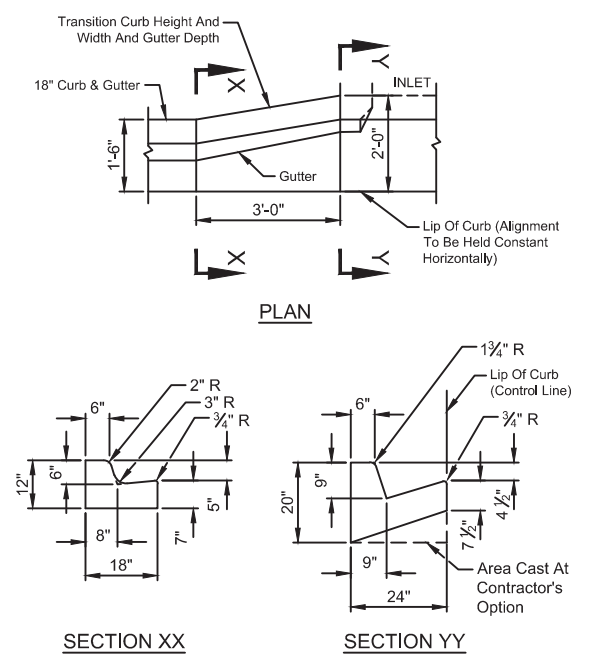
SECTION GG - 3' WIDE INLET
(Optional Opening In Bottom Slab Not Shown)



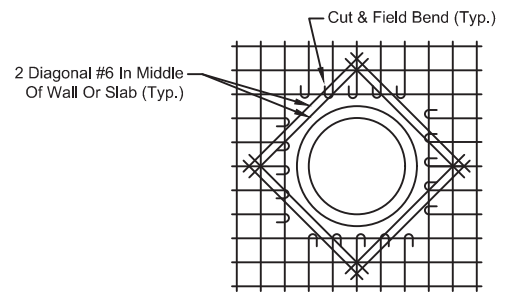
SECTION HH - 3' WIDE INLET
(Optional Opening In Bottom Slab Not Shown)



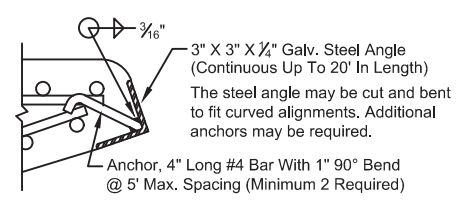
SIDE VIEW SECTION
TRANSVERSE BEAM DETAIL - 3' WIDE INLET



GUTTER TRANSITION FOR USE WITH 18" CURB & GUTTER



REINFORCEMENT AT WALL OPENINGS



NOSE REINFORCING DETAIL

REVISIONS	
DATE	DESCRIPTION
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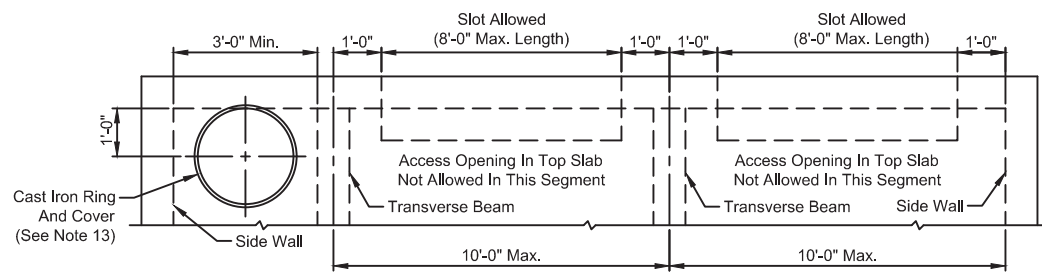
STRUCTURAL DESIGN BY
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STANDARD DETAILS
CURB INLET TYPE SP-HC



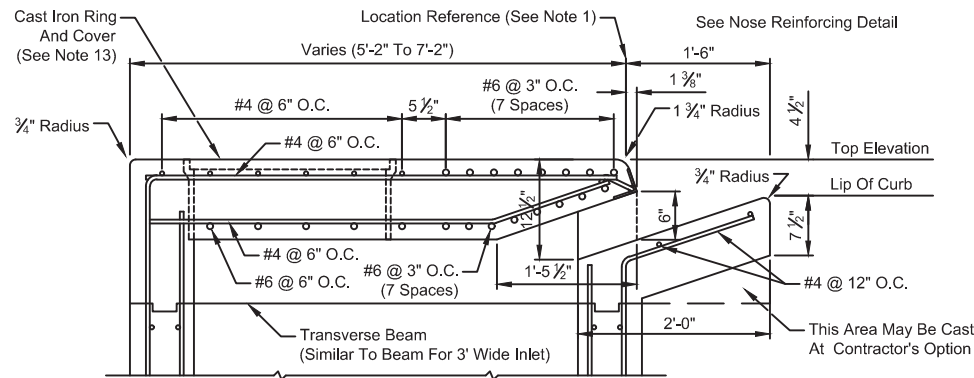
LAST REVISION
03/13/18

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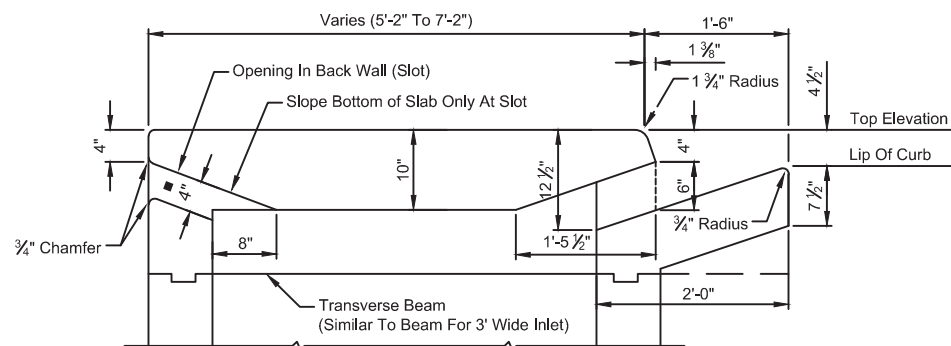


Note:
4'-0" through 6'-0" wide inlets with slots must be constructed with a 10" thick top slab for the entire length of the inlet as shown in the Partial Sections below.

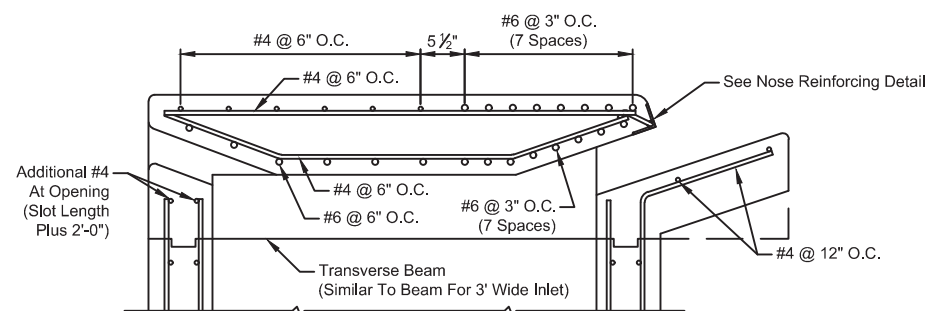
PARTIAL PLAN VIEW - SLOT LOCATIONS



PARTIAL SECTION - 4'-0" THROUGH 6'-0" INLET WIDTH
(Section Of Inlet Without Slot)



PARTIAL SECTION - 4'-0" THROUGH 6'-0" INLET WIDTH
(Section Of Inlet With Slot)



PARTIAL SECTION - 4'-0" THROUGH 6'-0" INLET WIDTH
(Section Of Inlet With Slot)

NOT FOR CONSTRUCTION

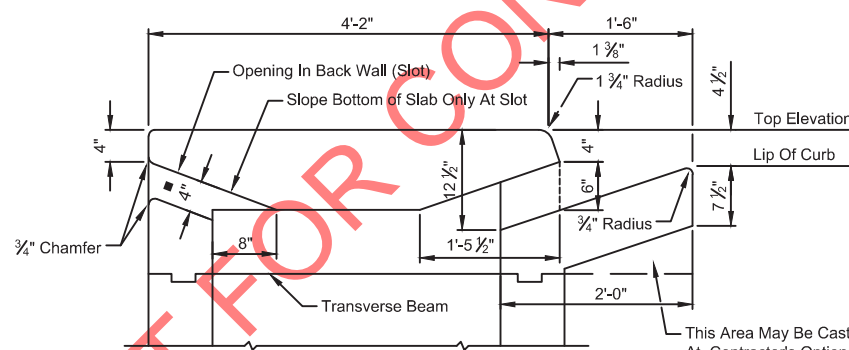
Inlet Depth	ESTIMATED QUANTITIES																							
	Inlet Width = 3'-0"						Inlet Width = 4'-0"						Inlet Width = 5'-0"						Inlet Width = 6'-0"					
	End Wall (Each)		Inlet Body (Per Linear Foot)		Transverse Beam (Each)		End Wall (Each)		Inlet Body (Per Linear Foot)		Transverse Beam (Each)		End Wall (Each)		Inlet Body (Per Linear Foot)		Transverse Beam (Each)		End Wall (Each)		Inlet Body (Per Linear Foot)		Transverse Beam (Each)	
	Class III Conc. CY	Reinf. Steel LB	Class III Conc. CY	Reinf. Steel LB	Class III Conc. CY	Reinf. Steel LB	Class III Conc. CY	Reinf. Steel LB	Class III Conc. CY	Reinf. Steel LB	Class III Conc. CY	Reinf. Steel LB	Class III Conc. CY	Reinf. Steel LB	Class III Conc. CY	Reinf. Steel LB	Class III Conc. CY	Reinf. Steel LB	Class III Conc. CY	Reinf. Steel LB	Class III Conc. CY	Reinf. Steel LB		
3' - 0"	0.50	80	0.40	82	0.05	31	0.60	83	0.44	82	0.05	31	0.70	99	0.49	87	0.05	48	0.81	114	0.54	100	0.06	65
4' - 0"	0.61	95	0.45	89	0.05	31	0.73	101	0.49	91	0.05	31	0.86	120	0.54	93	0.05	48	0.99	139	0.59	107	0.06	65
5' - 0"	0.72	109	0.50	96	0.05	31	0.86	119	0.54	98	0.05	31	1.02	141	0.59	100	0.05	48	1.17	163	0.64	114	0.06	65
6' - 0"	0.83	123	0.55	103	0.05	31	1.00	137	0.59	105	0.05	31	1.17	162	0.64	107	0.05	48	1.35	188	0.69	121	0.06	65
7' - 0"	0.93	138	0.60	110	0.05	31	1.13	154	0.64	112	0.05	31	1.33	183	0.69	114	0.05	48	1.53	212	0.74	128	0.06	65
8' - 0"	1.04	152	0.65	117	0.05	31	1.26	172	0.69	119	0.05	31	1.49	204	0.74	121	0.05	48	1.72	236	0.79	135	0.06	65
9' - 0"	1.15	167	0.70	124	0.05	31	1.39	190	0.74	126	0.05	31	1.64	226	0.79	128	0.05	48	1.90	281	0.84	142	0.06	65
10' - 0"	1.26	181	0.75	131	0.05	31	1.52	208	0.79	133	0.05	31	1.80	247	0.84	139	0.05	48	2.08	285	0.89	149	0.06	65

QUANTITY NOTES

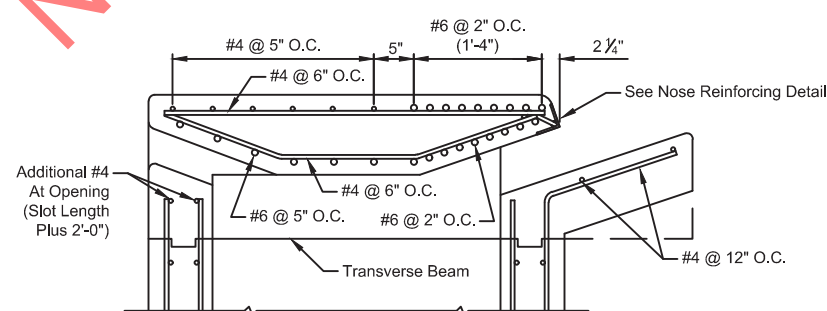
- A. Tabulated quantities are provided for estimating purposes only.
- B. Quantities for depths and widths not shown may be estimated by interpolation.
- C. Concrete quantities are neat line and have not been reduced for access opening(s) in top slab, opening in bottom slab, or slots.
- D. Quantities of reinforcing steel do not include lap splices, corner bars, dowels at gutter transitions or the optional opening in bottom slab, or modifications to reinforcing at wall or slab openings.
- E. Estimated quantities should be adjusted for openings in walls and slabs.
- F. Quantities may be estimated as shown in the following example for an inlet that is 4'-0" wide, 6'-0" deep, and 15'-0" long:

Component	Class III Concrete	Reinforcing Steel
End Wall	2 Ea. @ 1.00 CY = 2.00 CY	2 Ea. @ 137 LB = 274 LB
Inlet Body	15 LF @ 0.59 CY = 8.85 CY	15 LF @ 105 LB = 1,575 LB
Transverse Beam	1 Ea. @ 0.05 CY = 0.05 CY	1 Ea. @ 31 LB = 31 LB
Total	10.90 CY	1,880 LB

- 4" Slot Opening Unless Otherwise Shown On The Plans.



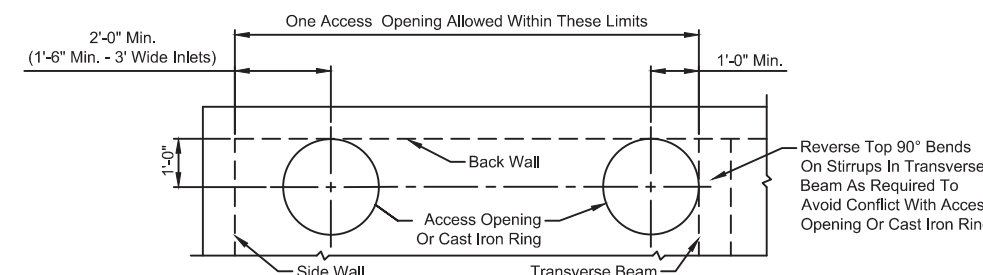
PARTIAL SECTION - 3'-0" INLET WIDTH
(Section Of Inlet With Slot)



PARTIAL SECTION - 3'-0" INLET WIDTH
(Section Of Inlet With Slot)

REQUIREMENTS FOR PRECAST CONSTRUCTION

1. Shop drawings for all precast construction must be submitted for approval in accordance with Article 7.0 of the General Provisions.
2. Precast construction shall not extend above the upper construction joint in the walls as shown on the drawings.
3. Concrete shall meet the requirements specified in the General Notes on Sheet 1 for cast-in-place construction.
4. All reinforcing steel shall meet the requirements specified in the General Notes on Sheet 1 for cast-in-place construction and shall be the same size and configuration as shown on the drawings for cast-in-place construction.
5. Vertical reinforcement in the walls of precast structures must extend above the top of the structure to the projections shown on the drawings for cast-in-place construction or of sufficient length to provide a minimum splice length of 17".
6. Precast sections may be fabricated in segments under the following conditions:
 - 1) Open ends of segments must be X-braced to support construction loads.
 - 2) Cast-in-place closures between segments must be a minimum of 24" wide.
 - 3) All reinforcing steel within closure areas must be the same size and configuration as shown on the drawings for cast-in-place construction.
 - 4) Reinforcing bars in the floors and walls of precast sections must project into closure areas a minimum of 20" and be placed to form lap splices with bars in the opposing sections.
 - 5) Bonding adhesive (Sikadur 31, or approved equal) must be applied to mating surfaces of the closures immediately prior to placing concrete.
7. The excavated surface upon which a precast section is to be placed shall be level, firm and unyielding. Any unsuitable material encountered shall be removed and replaced with compacted A-3 material. A 3-inch minimum thick bedding layer of sand or granular material shall be placed in the footprint of the unit so that it extends at least 6 inches beyond the perimeter of the precast component.
8. Backfill shall not be placed against the walls of a precast section until the cast-in-place top has been poured and cured for a minimum of 5 days unless bracing that prevents wall deflection has been installed inside the precast section.



Note:
Only one access opening is allowed in each segment of inlet top between an outside wall and a transverse beam or between two transverse beams.

ACCESS OPENING LOCATION DETAIL
(Left Side Shown - Right Side Similar)

REVISIONS	DESCRIPTION
BY: RJM	Update Index References To FDOT Standard Plans
DATE: 03/13/18	

<p>STRUCTURAL DESIGN BY Stephen A. Nichols, P.E. P.E. License No. 27463 Inovia Consulting Group 1983 Center Point Blvd., Suite 103 Tallahassee, Florida 32308</p>	<p>STANDARD DETAILS CURB INLET TYPE SP-HC</p>
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<p>CITY OF TALLAHASSEE STORMWATER MANAGEMENT 300 South Adams Street, B-35, Tallahassee, Florida 32301</p>	<p>LAST REVISION 03/13/18</p>
<p>SHEET 3 OF 3</p>	