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# CONSTRUCTION PLANS FOR: THE SANCTUARY SUBDIVISION PHASE ONE

A 100 LOT SUBDIVISION IN SECTION 35,  
TOWNSHIP 2 NORTH, RANGE 31 WEST,  
ESCAMBIA COUNTY, FLORIDA

DEVELOPER:

DR HORTON

DRAINAGE FEE

Imperv. Surf. 281,783 Sq ft

Stormwater Ret. .82 % (F)

Total Drainage Fee \$11,553.10

Pond Maint. Fee: MSBU

**ECUA Required Plan Notes**  
(Notes shall be inserted in the upper right corner of title sheet)

**A. ECUA Engineering Manual Incorporated by Reference**  
The ECUA Engineering Manual, dated December 18, 2014, along with any listed updates (hereinafter "Manual"), located at [www.ecua.fl.gov](http://www.ecua.fl.gov), is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and the Plans, Contractor shall consult Engineer of Record on the appropriate resolution.

**B. Additional Documents (to be completed by the Engineer of Record)**  
Does this Project have additional technical specifications or construction details that supersede the Manual listed above? ☐ YES ☒ NO. If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

Document Name	Document Type		Location	
	Specifi- cation	Detail	Plans	Project Manual*
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\*Project Manuals used only with ECUA CIP Projects

**C. Engineer of Record Responsibilities**  
The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portion of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on this Project.

## SITE DATA

### PROPERTY OWNER:

DR HORTON  
2450 S HWY 29 #1  
CANTONMENT, FLORIDA 32533

### SURVEYOR:

DEWBERRY  
25353 FRIENDSHIP ROAD  
DAPHNE, AL 36526  
(251) 929-9803 - VGERMAIN@DEWBERRY.COM  
VICTOR L. GERMAIN, PLS - FL NO. 7281

### ENGINEER:

DEWBERRY  
139 E. GOVERNMENT STREET  
PENSACOLA, FL 32502  
DAVID TILLAR, P.E. - FL NO. 86282  
(850) 760-0332 - DTILLAR@DEWBERRY.COM

### GROSS PROJECT AREA:

WETLAND/BUFFER AREA:

GROSS DENSITY:

CURRENT ZONING:

FUTURE LAND USE:

TYPE OF SUBDIVISION:

NUMBER OF LOTS:

CONTOUR INTERVAL:

DATUM:

STREET LENGTH:

TYPE OF STREETS:

R/W WIDTH:

PAVEMENT WIDTH:

STREET MAINTENANCE:

STORMWATER MAINTENANCE

MIN. LOT AREA:

MIN. LOT WIDTH AT RIGHT OF WAY:

MIN. DEPTH OF FRONT YARD:

MIN. DEPTH OF REAR YARD:

MIN. WIDTH OF EACH SIDE YARD:

MAX. BUILDING AREA AS % OF GROSS

LOT AREA:

MAX. BUILDING HEIGHT (FEET):

MAX. BUILDING HEIGHT (STORIES):

Approved *[Signature]* 7-1-21  
Date

This document has been reviewed in accordance with requirements of applicable Escambia County Regulations and Ordinances, and does not in any way relieve the submitting Architect, Engineer, Surveyor, or other signatory from responsibility of details as drawn.

32.810 ACRES

3.034 ACRES/4,909 ACRES

3.02 UNITS/ACRE (RESIDENTIAL)

HC/LI

MU-S

SINGLE FAMILY DWELLING

100

ONE-FOOT

NAD 83/NAVD 88

4,042 FEET

PUBLIC

50 FEET

24 FEET

ESCAMBIA COUNTY, FLORIDA

ESCAMBIA COUNTY, FLORIDA

6,000 SQ. FT.

60 FEET

15 FEET

15 FEET

10 FEET OR 10% OF THE LOT WIDTH AT THE STREET

RIGHT OF WAY, WHICHEVER IS LESS, BUT AT LEAST 5

FEET.

N/A

N/A

N/A

PLANS PREPARED BY:



139 E GOVERNMENT STREET,  
PENSACOLA, FL 32502  
(850) 760-0332

DEWBERRY PROJECT NO.: 50128595

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED  
DUE TO REPRODUCTION.

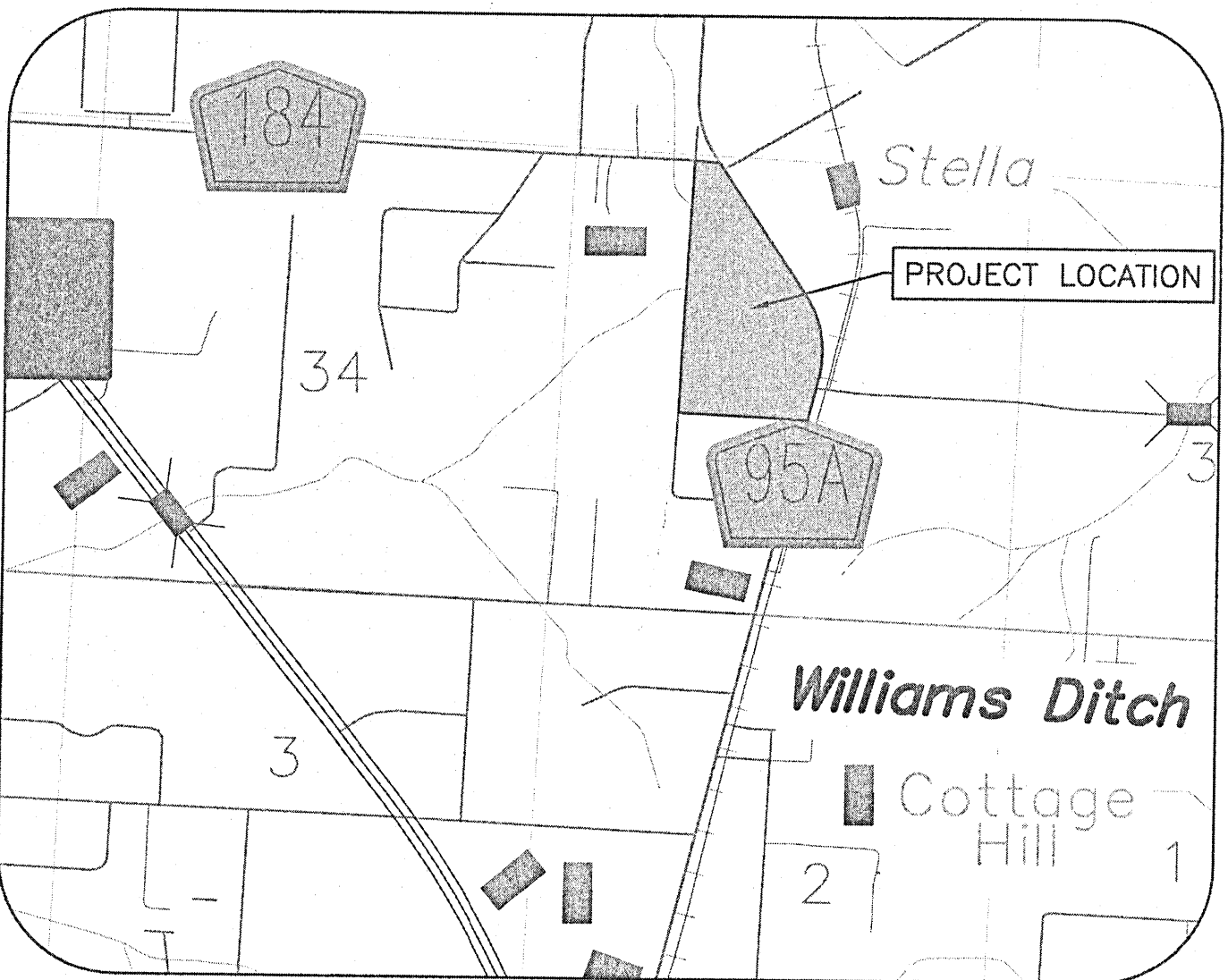
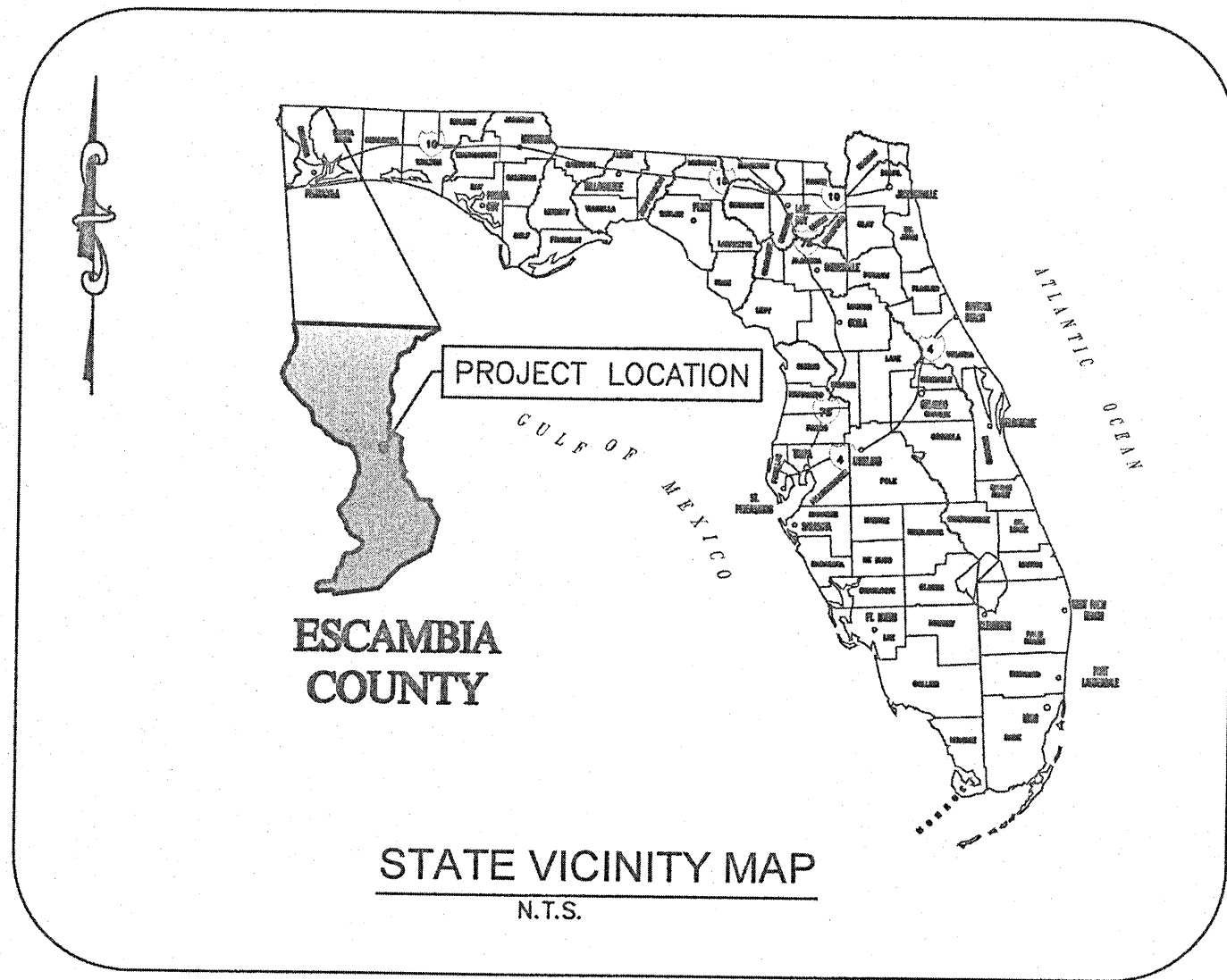
### ENGINEER'S STATEMENT

I, DAVID TILLAR, ENGINEER OF RECORD FOR SANCTUARY SUBDIVISION,  
PHASE 1, CERTIFY THAT ALL PROPOSED ROADWAYS, DRAINAGE, AND  
OTHER IMPROVEMENTS ARE DESIGNED TO COMPLY WILL ALL APPLICABLE  
FEDERAL, STATE, AND LOCAL DEVELOPMENT REQUIREMENTS.

### PROJECT DESCRIPTION:

THIS PROJECT CONSIST OF THE  
CONSTRUCTION OF A 100 LOT SINGLE  
FAMILY RESIDENTIAL SUBDIVISION IN  
ESCAMBIA COUNTY, FLORIDA.  
CONSTRUCTION ACTIVITIES SHALL  
INCLUDE SITE, GRADING, DRAINAGE  
AND UTILITY IMPROVEMENTS IN  
SUPPORT OF THE PROPOSED  
PROJECT.

NOTE: THE SUBJECT PROPERTY AS SHOWN HEREON IS  
LOCATED IN FLOOD ZONE X, (MINIMAL RISK AREAS OUTSIDE  
THE 1-PERCENT AND 2-PERCENT-ANNUAL-CHANCE  
FLOODPLAINS. NO BFEs OR BASE FLOOD DEPTHS ARE  
SHOWN WITHIN THESE ZONES), AS DETERMINED FROM THE  
FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD  
INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA,  
COMMUNITY 120080, FIRM MAP PANEL NUMBERS  
12033C0240G, MAP REVISION DATED SEPTEMBER 29, 2006.



## LOCATION MAP

1"=2000'

PERMIT SET - NOT FOR CONSTRUCTION  
OCTOBER 2020

### DESCRIPTION:

COMMENCE AT THE SOUTHEAST CORNER OF THE NORTH HALF OF SECTION 35, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA AND RUN THENCE NORTH 87°22'02" WEST, ALONG THE SOUTH LINE OF THE NORTH HALF OF SAID SECTION 35, A DISTANCE OF 2422.59 FEET TO THE WEST RIGHT-OF-WAY OF COUNTY ROAD 95A; CONTINUE THENCE NORTH 87°22'02" WEST, ALONG THE SOUTH LINE OF THE NORTH HALF OF SAID SECTION 35, A DISTANCE OF 271.17 FEET TO THE POINT OF BEGINNING; CONTINUE THENCE NORTH 87°22'02" WEST, ALONG THE SOUTH LINE OF THE NORTH HALF OF SAID SECTION 35, A DISTANCE OF 5.00 FEET; THENCE NORTH 87°06'24" WEST, A DISTANCE OF 293.66 FEET; TO THE EAST RIGHT-OF-WAY OF COWETA ROAD; THENCE RUN NORTH 02°52'27" EAST, ALONG THE EAST RIGHT-OF-WAY OF SAID STACEY ROAD, A DISTANCE OF 1660.39 FEET; THENCE RUN NORTH 88°00'46" EAST, DEPARTING THE EAST RIGHT-OF-WAY OF SAID STACEY ROAD, A DISTANCE OF 22.13 FEET; THENCE RUN NORTH 80°42'17" EAST, ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 19.78 FEET (CHORD BEARS SOUTH 73°05'49" EAST, A DISTANCE OF 19.43 FEET); THENCE RUN SOUTH 54°12'25" EAST, A DISTANCE OF 10.73 FEET; THENCE RUN ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 30.00 FEET, AN ARC LENGTH OF 18.78 FEET (CHORD BEARS NORTH 54°16'22" EAST, A DISTANCE OF 18.42 FEET); THENCE RUN NORTH 72°12'11" EAST, A DISTANCE OF 300.00 FEET; THENCE RUN SOUTH 72°45'37" EAST, A DISTANCE OF 83.42 FEET; THENCE RUN NORTH 75°41'45" EAST, A DISTANCE OF 123.72 FEET; THENCE RUN NORTH 64°38'44" EAST, A DISTANCE OF 58.40 FEET; THENCE RUN NORTH 80°03'19" EAST, A DISTANCE OF 286.94 FEET; THENCE RUN SOUTH 33°43'21" EAST, ALONG THE WEST RIGHT-OF-WAY OF SAID COUNTY ROAD 95A, A DISTANCE OF 50.54 FEET; THENCE RUN SOUTH 64°38'44" WEST, DEPARTING SAID WEST RIGHT-OF-WAY, A DISTANCE OF 84.98 FEET; THENCE RUN NORTH 25°21'16" WEST, A DISTANCE OF 50.00 FEET; THENCE RUN ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 99.54 FEET; THENCE RUN NORTH 80°38'43" WEST, A DISTANCE OF 137.75 FEET; THENCE RUN SOUTH 76°56'34" WEST, A DISTANCE OF 247.82 FEET; THENCE RUN SOUTH 54°31'50" WEST, A DISTANCE OF 299.27 FEET; THENCE RUN SOUTH 10°44'39" WEST, A DISTANCE OF 115.83 FEET; THENCE RUN SOUTH 80°18'06" EAST, A DISTANCE OF 127.14 FEET; THENCE RUN SOUTH 02°33'57" WEST, A DISTANCE OF 194.11 FEET; THENCE RUN SOUTH 81°18'24" EAST, A DISTANCE OF 50.29 FEET; THENCE RUN SOUTH 87°26'03" EAST, A DISTANCE OF 135.00 FEET; THENCE RUN SOUTH 02°33'57" WEST, A DISTANCE OF 365.00 FEET; THENCE RUN SOUTH 87°26'03" EAST, A DISTANCE OF 125.00 FEET; THENCE RUN SOUTH 85°24'18" EAST, A DISTANCE OF 50.03 FEET; THENCE RUN SOUTH 87°26'03" EAST, A DISTANCE OF 135.00 FEET; THENCE RUN SOUTH 02°33'57" WEST, A DISTANCE OF 200.00 FEET; THENCE RUN SOUTH 87°26'03" EAST, A DISTANCE OF 125.00 FEET; THENCE RUN NORTH 88°45'05" EAST, A DISTANCE OF 110.00 FEET; THENCE RUN SOUTH 87°22'02" WEST, A DISTANCE OF 135.00 FEET; THENCE RUN SOUTH 02°33'57" WEST, A DISTANCE OF 125.00 FEET; TO THE POINT OF BEGINNING.

TRACT CONTAINS 33.50 ACRES, MORE OR LESS, AND LIES IN SECTION 35, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA.

(DESCRIPTION COMPOSED FROM PUBLIC RECORDS AND FIELD SURVEY)

## INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
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C104	CLEARING AND SEDIMENT CONTROL PLAN
C200	OVERALL SITE PLAN
C201 - C202	SITE PLAN
C400	OVERALL GRADING PLAN
C401 - C402B	GRADING PLAN
C403	STORMWATER MANAGEMENT FACILITY #1
C404-C404A	STORMWATER MANAGEMENT FACILITY #2
C405 - C409	ROADWAY AND UTILITY PLAN AND PROFILES
C410-C411	STORM DRAINAGE PROFILES
C420 - C422	STORM DRAINAGE PROFILES (SWALES)
C424	TEMPORARY SWALE PROFILE
C426	STRUCTURE AND PIPE TABLES
C501 - C502	EROSION AND SEDIMENT CONTROL PLAN
C600	OVERALL UTILITY PLAN
C601 - C602	UTILITY PLAN
C640 - C640A	SANITARY LIFT STATION SITE PLAN
C641 - C646	SANITARY LIFT STATION SECTIONS & DETAILS
C650 - C654	FORCE MAIN PLAN AND PROFILE
C700 - C707	CONSTRUCTION DETAILS

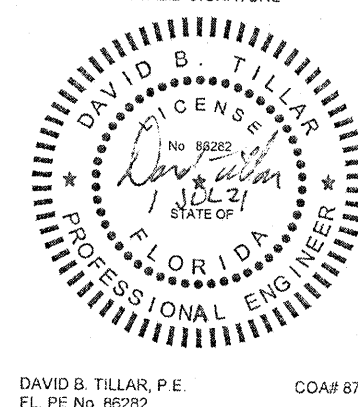


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25353 Friendship Road  
Daphne, AL 36526

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ESCAMBIA COUNTY, FLORIDA

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### REVISIONS

NO.	DESCRIPTION	DATE

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CHECKED BY JMB  
DATE OCTOBER 2020

TITLE

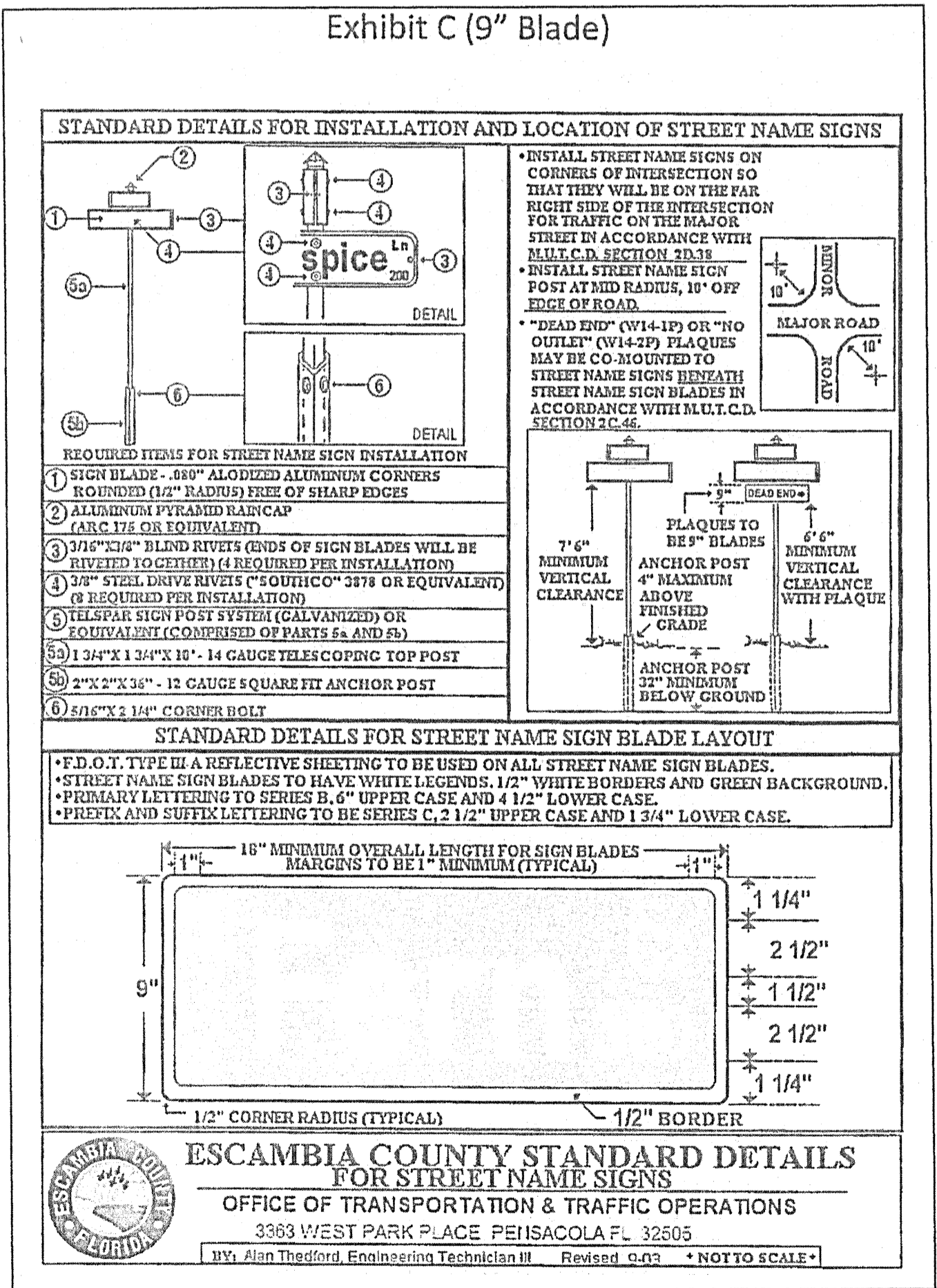
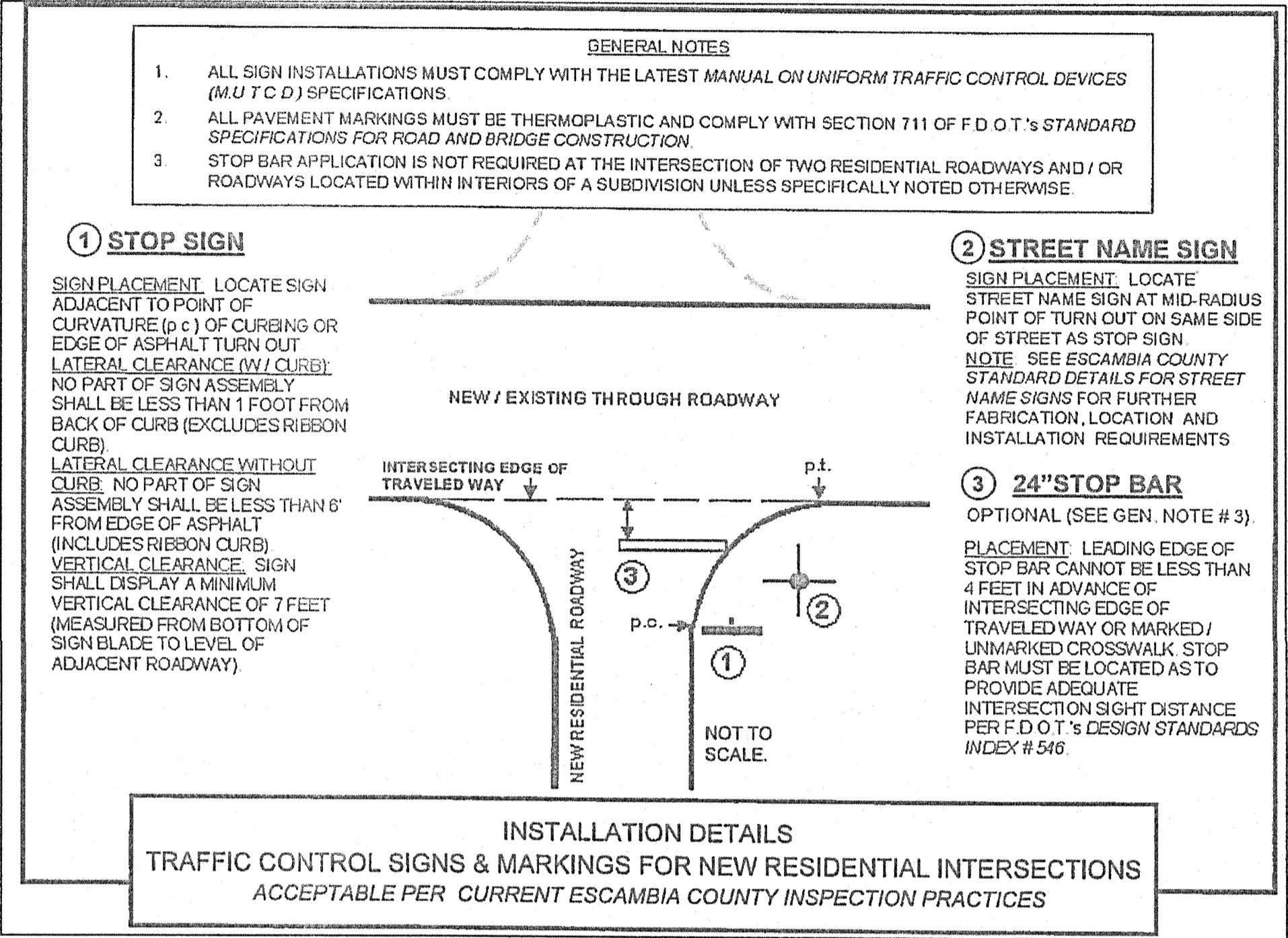
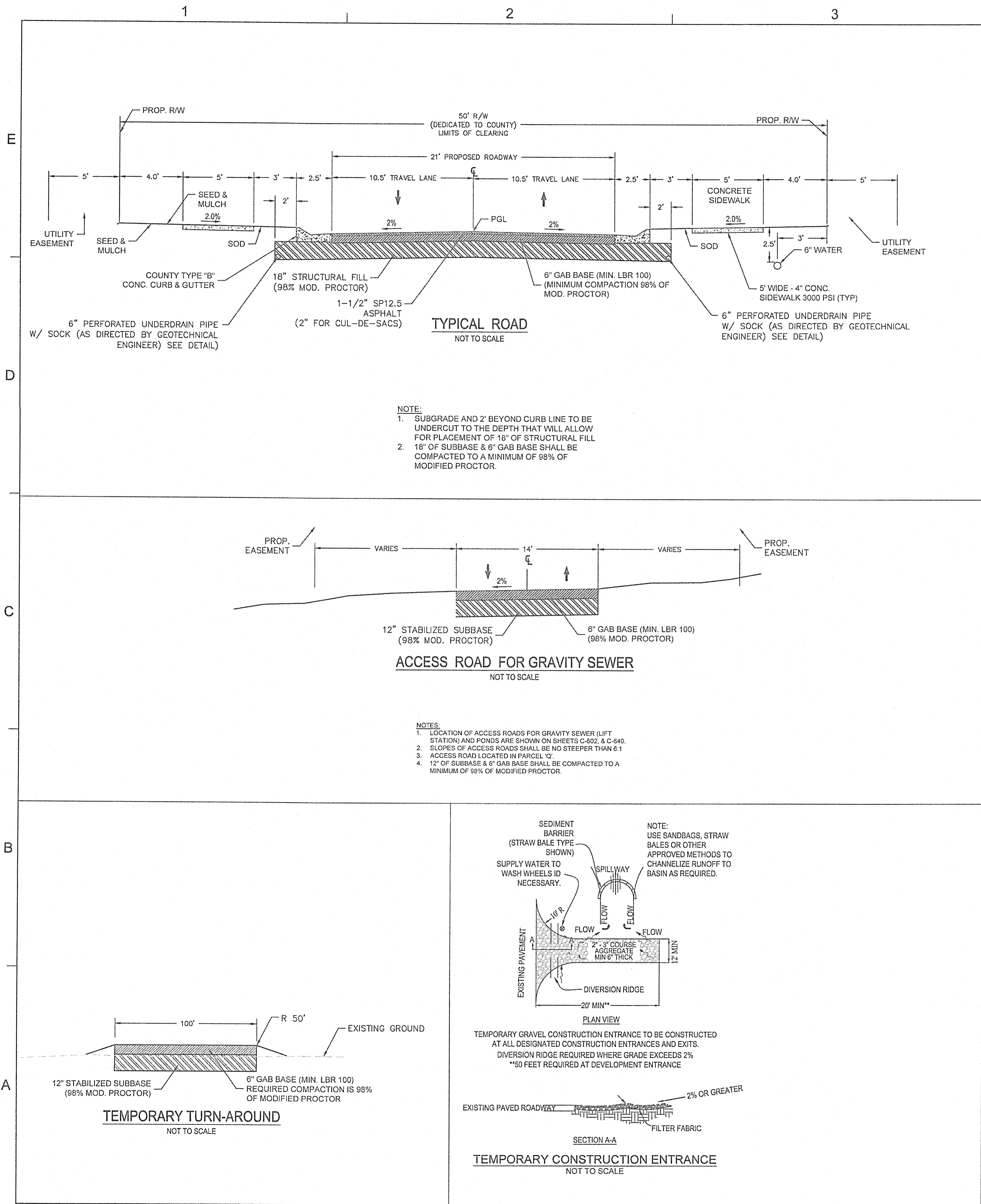
TITLE SHEET

PROJECT NO. 50128595

G100

SHEET NO.





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FL PE No. 66262

CO-048 8754

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DATE OCTOBER 2020

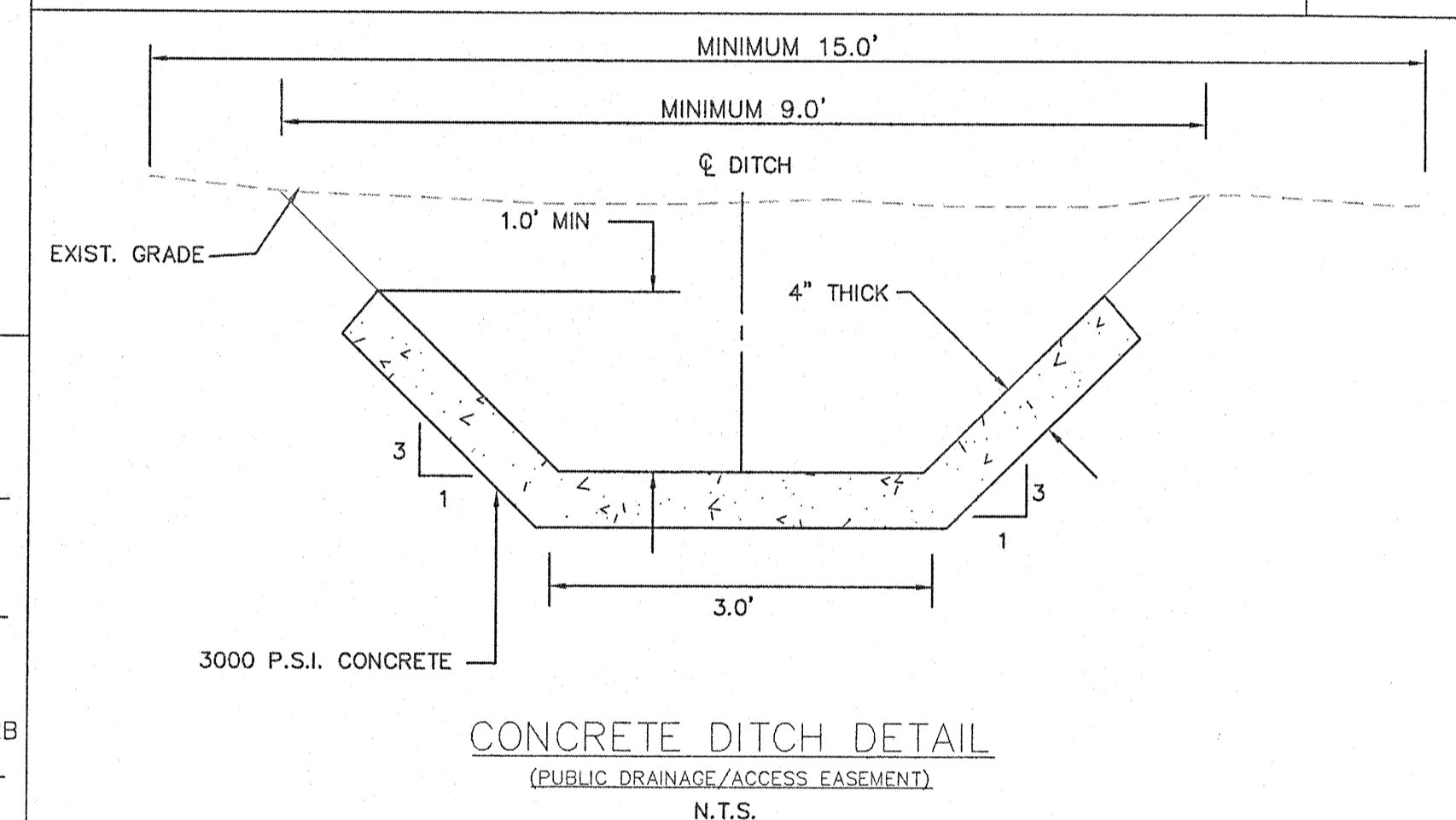
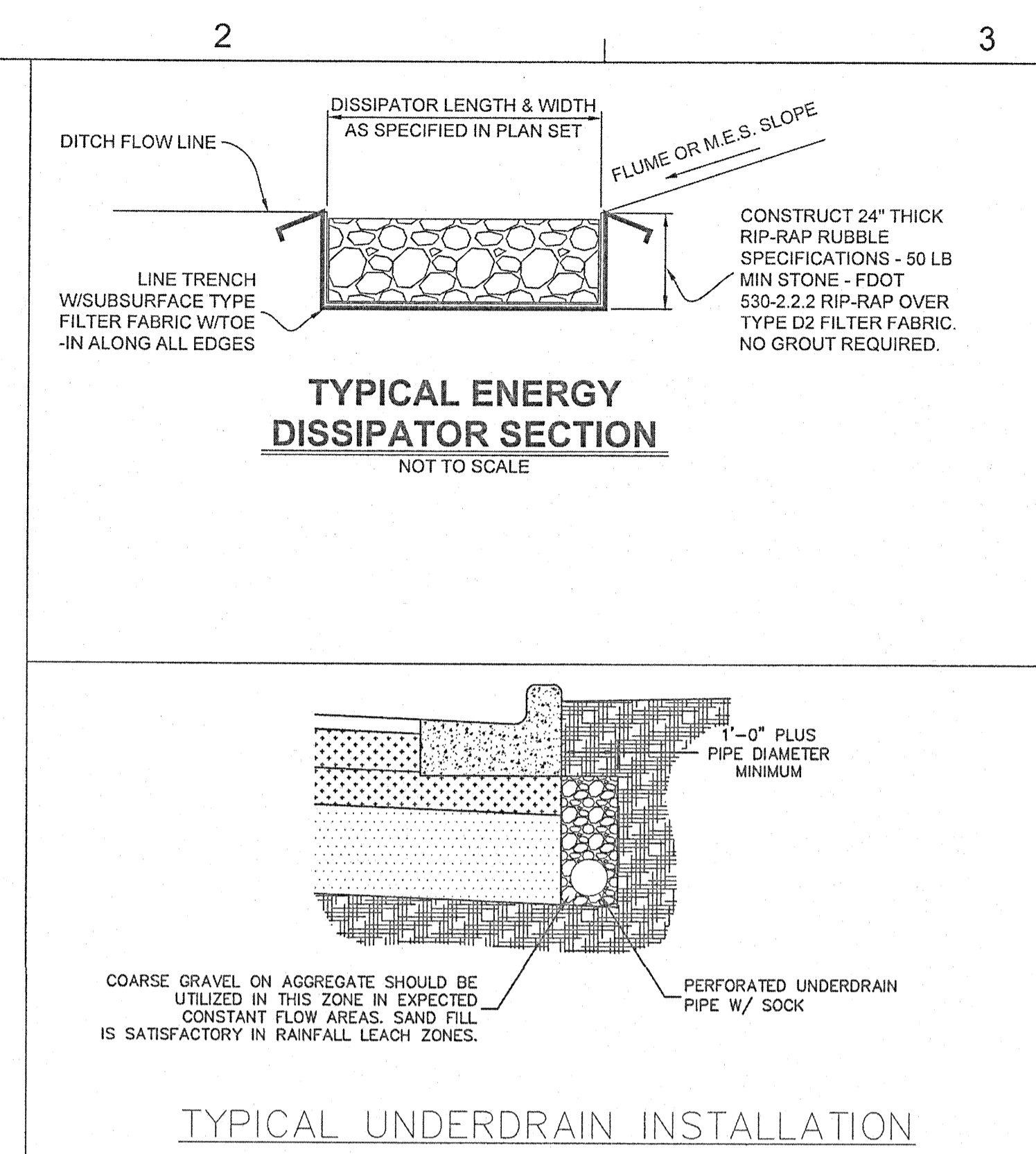
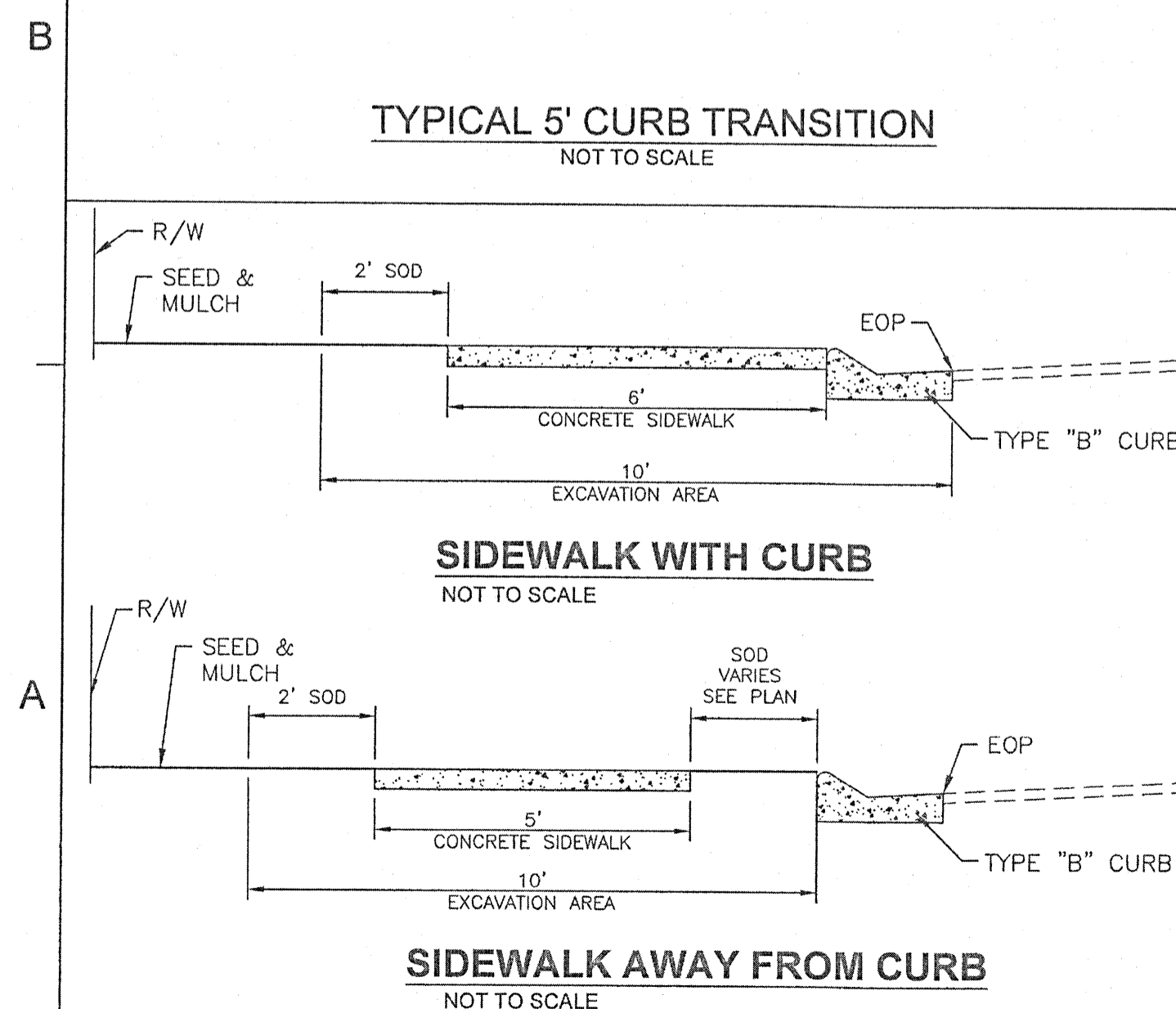
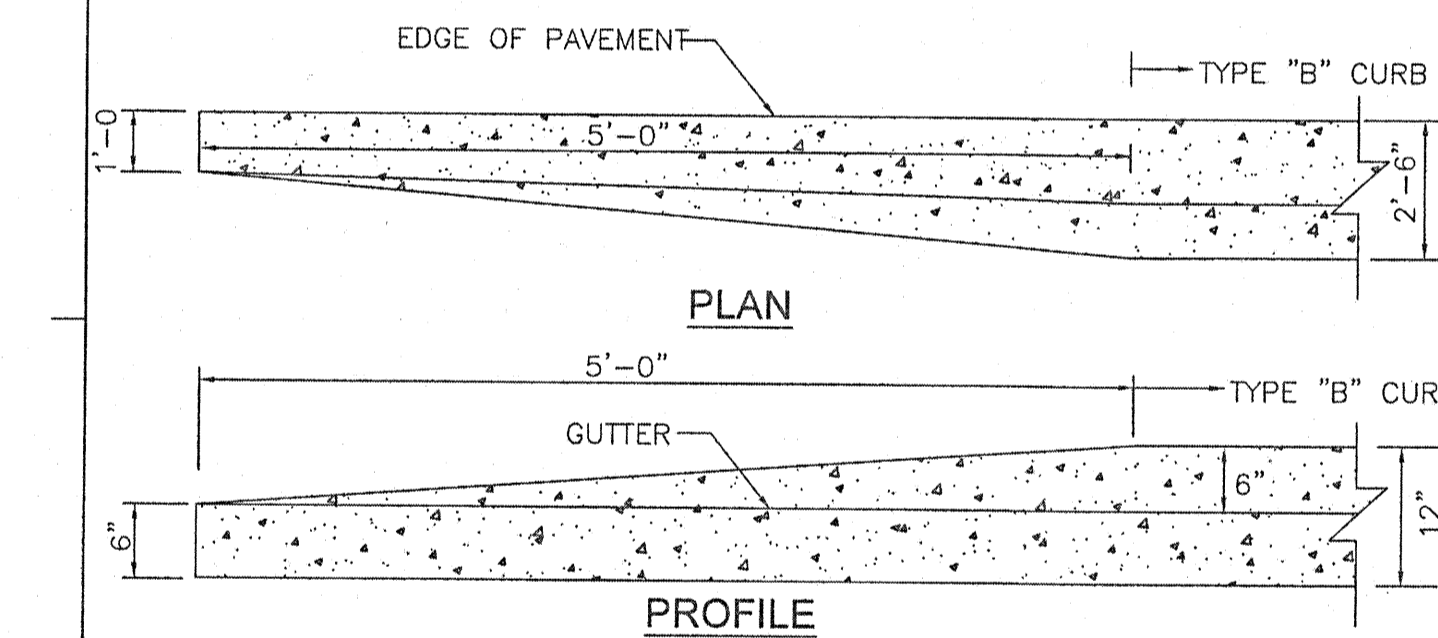
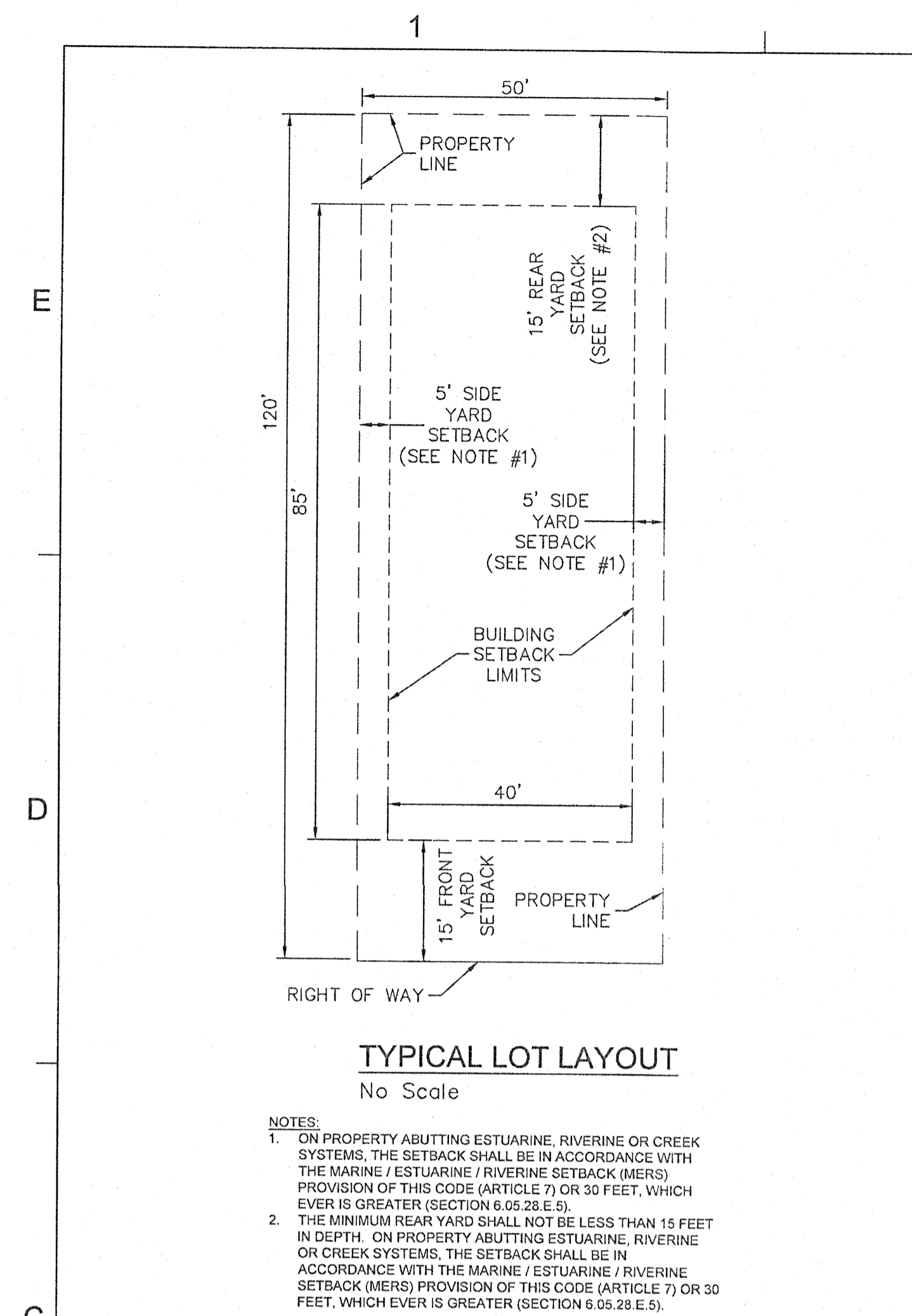
TITLE

TYPICAL SECTION  
& DETAILS

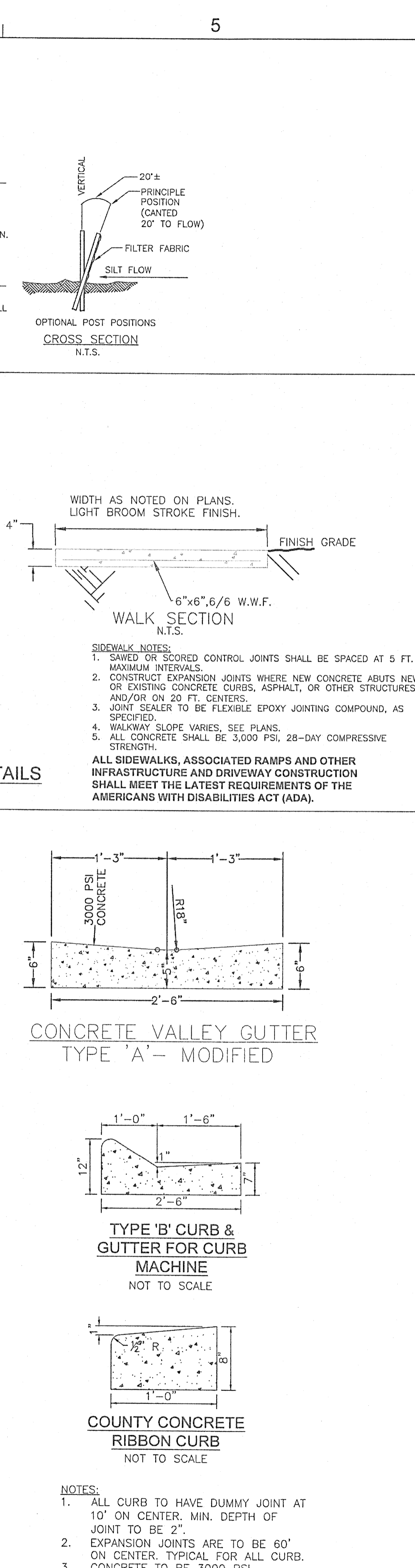
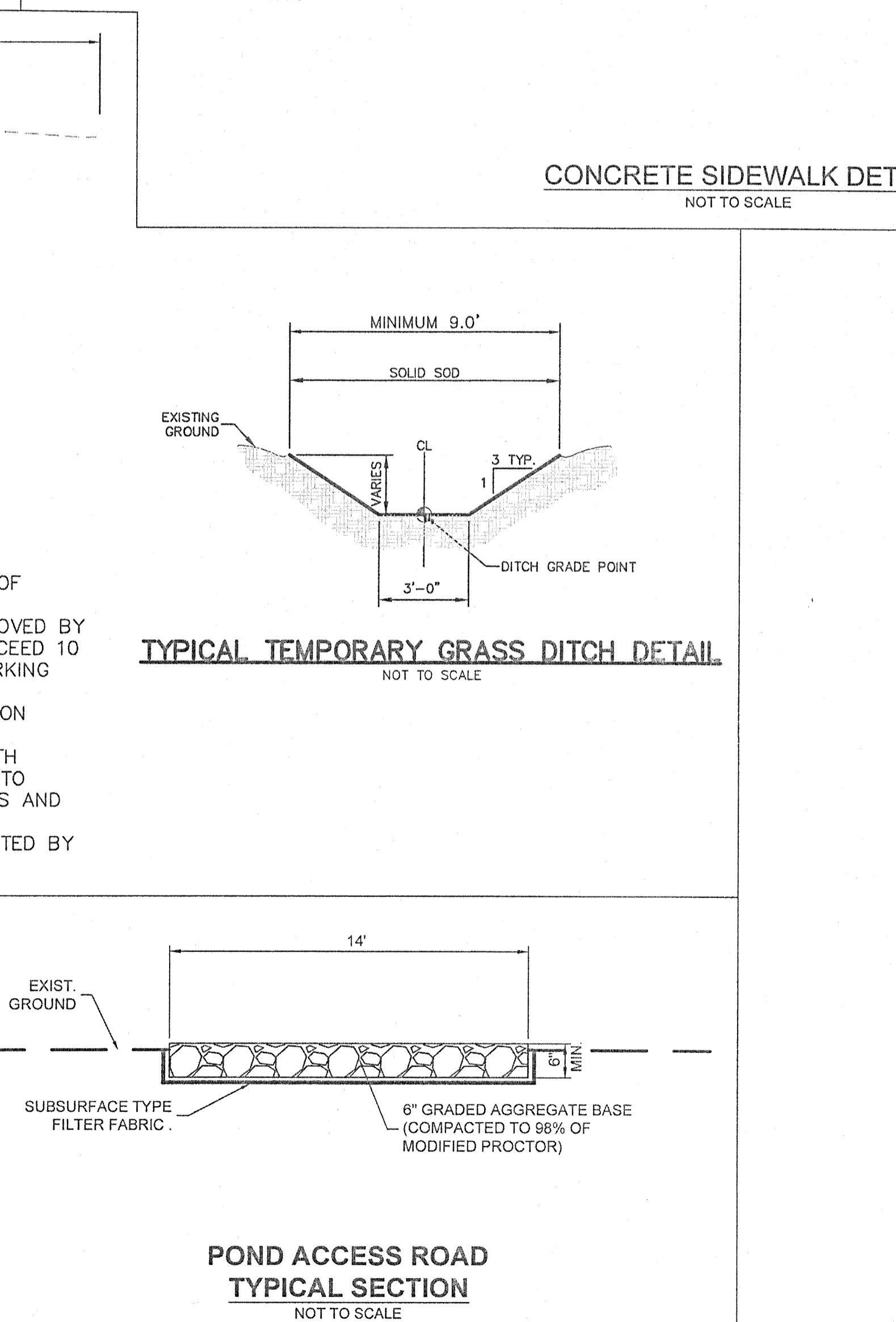
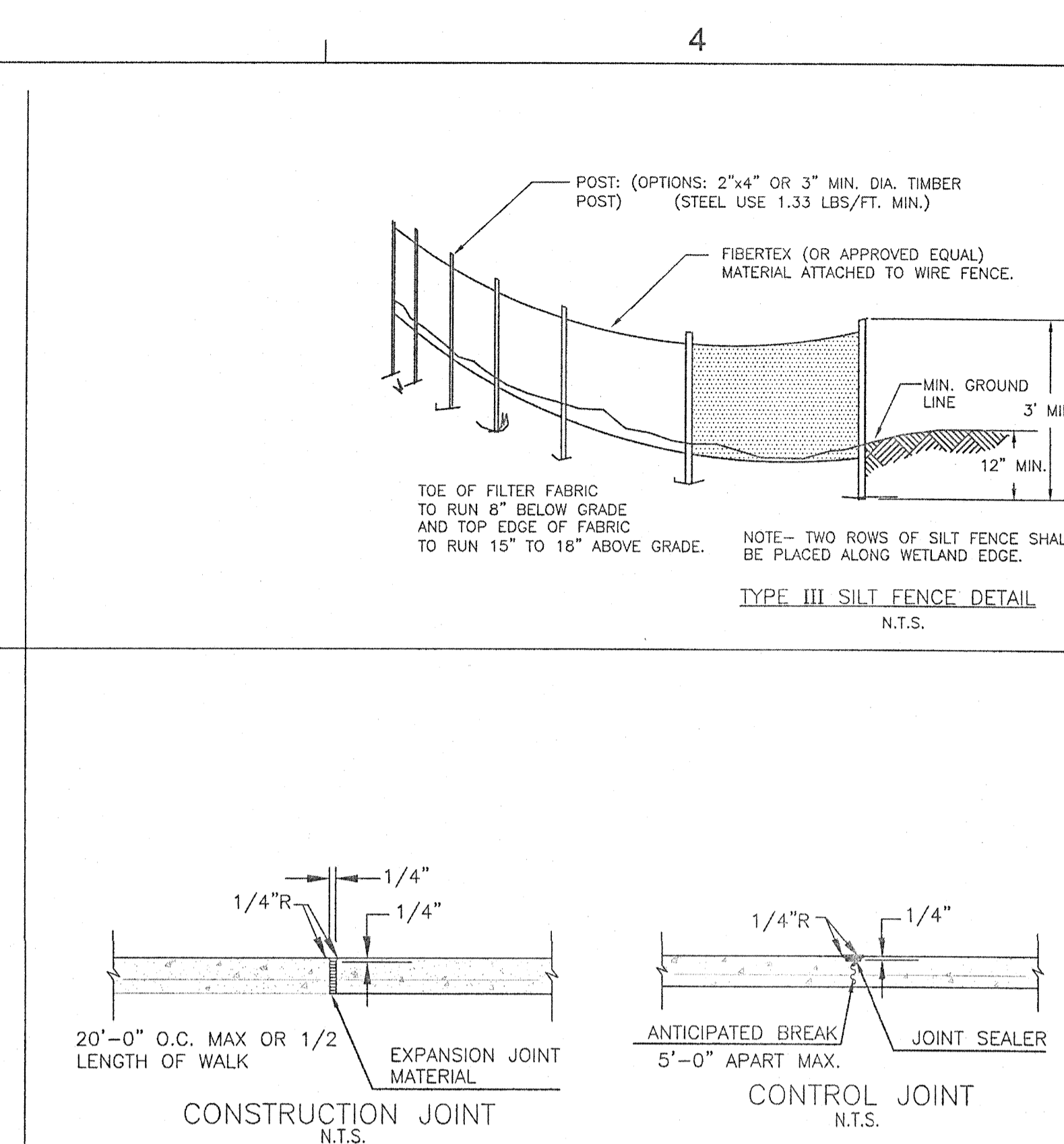
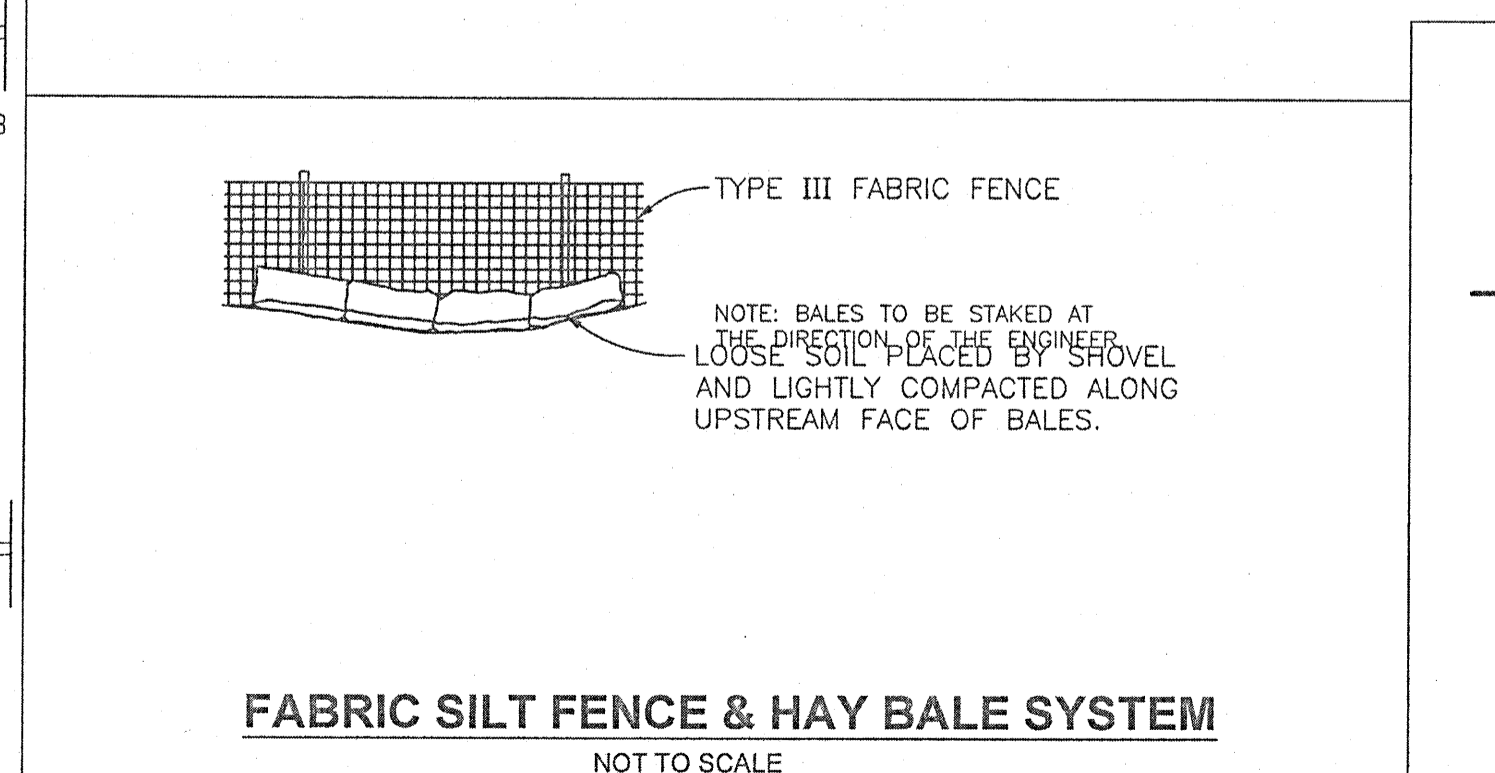
PROJECT NO. 50128595

G102

SHEET NO.



1. EXPANSION JOINT 3/8" WIDE SHALL BE PROVIDED WHEN THE LENGTH OF FLUME OR DITCH EXCEEDS 80 FEET AND AT RIGID FIXED OBJECTS. CONSTRUCTION AND CONTRACTION JOINT SPACING SHALL BE AS APPROVED BY THE ENGINEER, HOWEVER CONTRACTION JOINT SPACING SHALL NOT EXCEED 10 FEET. CONTRACTION JOINTS SHALL BE MADE WITH AN APPROVED MARKING TOOL.
2. EXPANSION JOINT MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 832.01 ALABAMA DEPARTMENT OF TRANSPORTATION SPECS.
3. WHERE PAVED DITCHES OR FLUMES ADJOIN DRAINAGE STRUCTURES WITH FLARED WINGS OR HEADWALLS, IT IS DESIRABLE FOR WIDTH OF DITCH TO MATCH WIDTH OF STRUCTURE OPENING TO INSURE PROPER HYDRAULICS AND BE AESTHETIC.
4. ON STEEP SLOPES ADDITIONAL TOE WALLS MAY BE REQUIRED IF DIRECTED BY THE ENGINEER.





- EXISTING CONDITIONS PLAN NOTES:
1. REFER TO SHEET G101 FOR PROJECT NOTES.
  2. THIS PLAN REFLECTS THE EXISTING CONDITIONS OBSERVED AT THE TIME OF THE FIELD SURVEY. ADDITIONAL IMPROVEMENTS/FEATURES MAY BE PRESENT OR HAVE BEEN CONSTRUCTED SINCE THE FIELD WORK WAS COMPLETED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
  3. ALL EXISTING WETLANDS SHOULD BE FLAGGED BY THE CONTRACTOR TO ASSURE THAT A MINIMUM WORKING BUFFER OF 30' IS MAINTAINED AT ALL TIMES (OR 10' AT STORMWATER OUTFALLS) IN ACCORDANCE WITH THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE.
  4. WETLANDS AND WETLAND BUFFERS SHALL REMAIN IN THEIR NATURAL STATE.

CLEARING AND SEDIMENT CONTROL LEGEND:

- EXISTING WETLANDS
- WETLAND BUFFER
- EXISTING TREE, OAK
- EXISTING TREE, HICKORY/SWEET GUM
- EXISTING TREE, MAGNOLIA
- = CABLE TELEVISION PEDESTAL
- = DRAINAGE MANHOLE
- = FIRE HYDRANT
- = INGROUND TELEPHONE BOX
- = SIGN
- = TELEPHONE PEDESTAL
- = UTILITY POLE
- = UTILITY MARKER
- = WATER VALVE
- = WETLAND MARKER
- = CONCRETE MONUMENT FOUND
- = CAPPED REBAR FOUND
- = CAPPED REBAR SET (LB 8011)
- = IRON PIN FOUND
- = NAIL AND SHINER FOUND
- = NAIL AND SHINER SET (LB #8011)
- = OPEN END IRON PIPE FOUND
- = REBAR FOUND
- = REINFORCED CONCRETE PIPE
- = MEASURED BEARING AND DISTANCE
- = RECORD DEED BEARING AND DISTANCE
- = LANDS IN PRESCRIPTIVE EASEMENT (COUNTY MAINTAINED)
- = RECORD LANDS SOLD IN O.R.B. 4348 PAGE 569
- = GAS LINE
- = OVERHEAD POWER LINE
- = TELEPHONE LINE
- = WATER LINE



Dewberry Engineers Inc.  
25353 Friendship Road  
Daphne, AL 36526

SANCTUARY  
SUBDIVISION  
PHASE ONE  
D. R. HORTON, INC.  
ESCAMBIA COUNTY, FLORIDA

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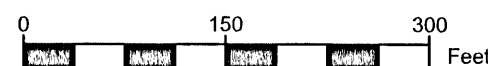


DAVID B. TILLAR, P.E.  
FL. PE No. 8692

COAR 8794

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REVISIONS

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CHECKED BY JMB  
DATE OCTOBER 2020

TITLE

EXISTING  
CONDITIONS PLAN  
OVERALL

PROJECT NO. 50128595

C100

SHEET NO.

- EXISTING CONDITIONS PLAN NOTES:
1. REFER TO SHEET G101 FOR PROJECT NOTES.
  2. THIS PLAN REFLECTS THE EXISTING CONDITIONS OBSERVED AT THE TIME OF THE FIELD SURVEY. ADDITIONAL IMPROVEMENTS/FEATURES MAY BE PRESENT OR HAVE BEEN CONSTRUCTED SINCE THE FIELD WORK WAS COMPLETED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
  3. ALL EXISTING WETLANDS SHOULD BE FLAGGED BY THE CONTRACTOR TO ASSURE THAT A MINIMUM WORKING BUFFER OF 30' IS MAINTAINED AT ALL TIMES (OR 10' AT STORMWATER OUTFALLS) IN ACCORDANCE WITH THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE.
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FL. PE No. 86282

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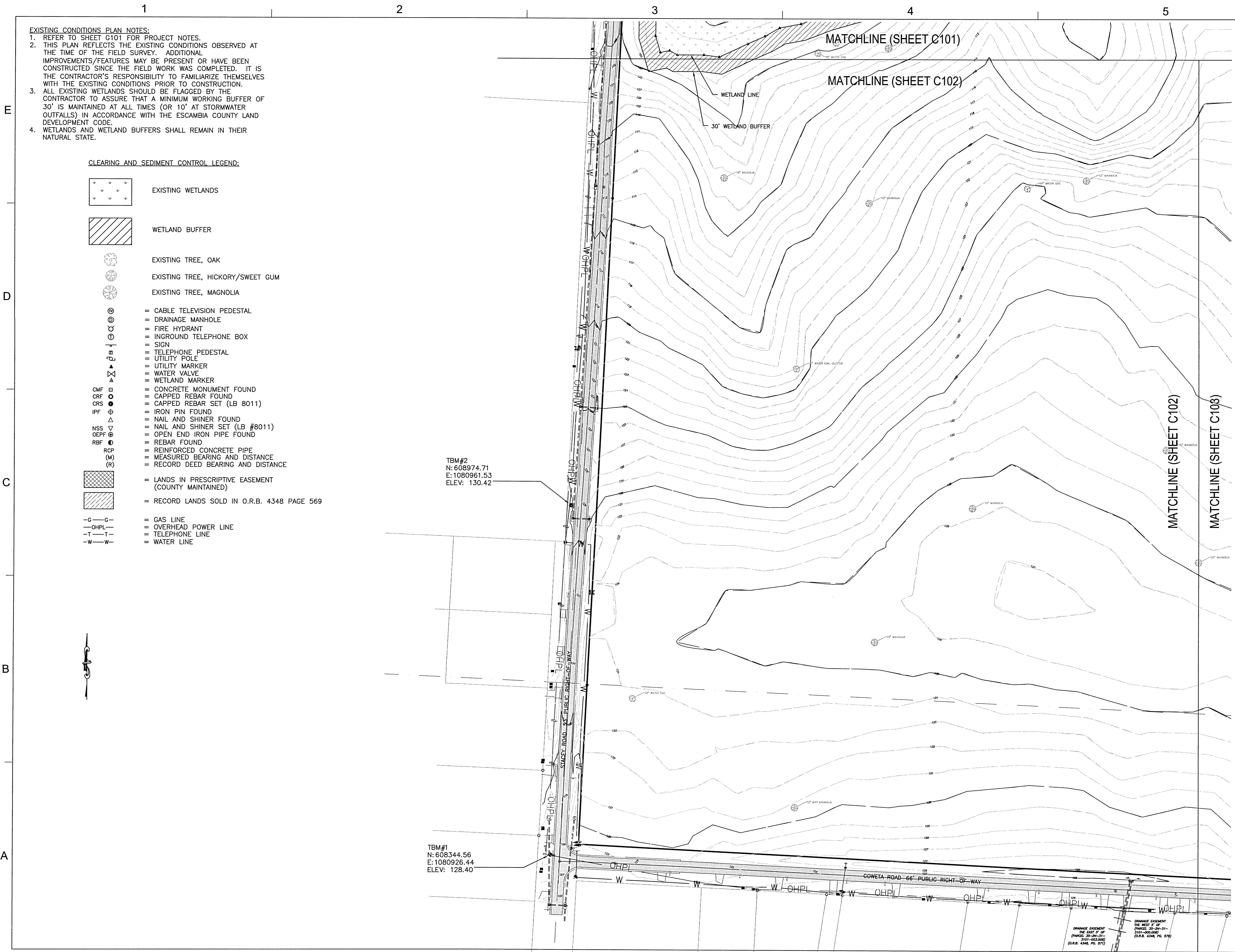
TITLE

EXISTING  
CONDITIONS PLAN

PROJECT NO. 50128595

C101

SHEET NO.



- EXISTING CONDITIONS PLAN NOTES:
1. REFER TO SHEET G101 FOR PROJECT NOTES.
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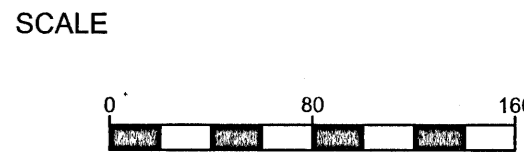
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DAVID B. TILLAR, P.E.  
FL. PE No. 86282  
COAM 8794

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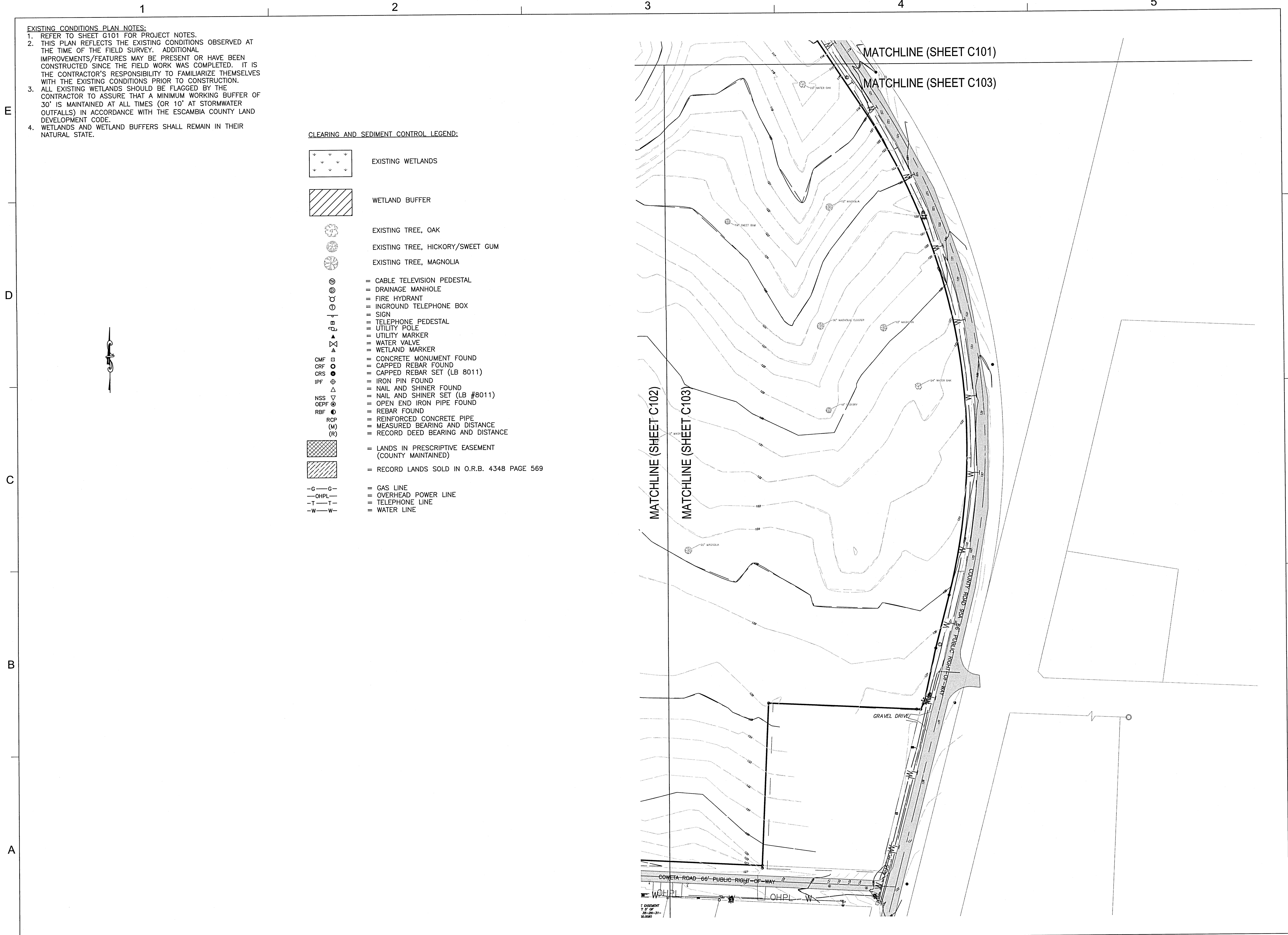
TITLE

EXISTING  
CONDITIONS PLAN

PROJECT NO. 50128595

C102

SHEET NO.



Dewberry Engineers Inc.  
25353 Friendship Road  
Daphne, AL 36526

SANCTUARY  
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PHASE ONE  
D. R. HORTON, INC.  
ESCAMBIA COUNTY, FLORIDA

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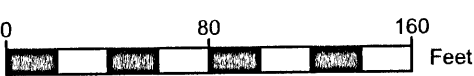


DAVID B. TILLAR, P.E.  
FL. PE No. 86262

COA# 8794

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TITLE

EXISTING  
CONDITIONS PLAN

PROJECT NO. 50128595

C103

SHEET NO.

1

2

3

4

5



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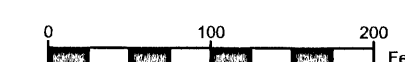


DAVID B. TELLAR, P.E.  
FL PE No. 86282

COAM 8734

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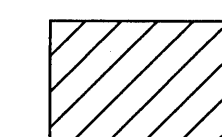
CLEARING AND  
SEDIMENT  
CONTROL PLAN  
OVERALL

PROJECT NO. 50128595

C104

SHEET NO.

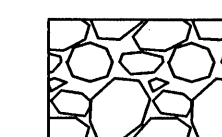
CLEARING AND SEDIMENT CONTROL LEGEND:



LIMITS OF REQUIRED CLEARING



TYPE "A" SILT FENCING



STABILIZED CONSTRUCTION ENTRANCE

CLEARING AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO COMMENCEMENT OF ANY CLEARING AND GRUBBING ACTIVITIES TO ASSURE NO LOSS OF SEDIMENT.
2. THE EROSION AND SEDIMENT CONTROL DEVICES SHOWN ARE TO BE CONSIDERED ADEQUATE TO PREVENT THE LOSS OF SEDIMENT. ADDITIONAL BMP DEVICES MAY BE REQUIRED DUE TO SEQUENCE OF CONSTRUCTION.
3. REFER TO SHEETS C501-C502 FOR ADDITIONAL BMP MEASURES REQUIRED DURING CONSTRUCTION.





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 25353 Friendship Road  
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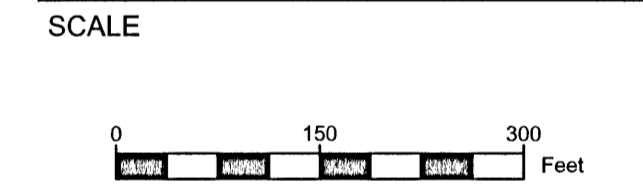
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 FL. PE No. 86282

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**OVERALL SITE  
 PLAN**

PROJECT NO. 50128595

**C200**

SHEET NO.

**SITE PLAN NOTES:**  
1. ALL DIMENSIONS ARE TO FACE OF CURB OR CENTERLINE OF GUTTER UNLESS SPECIFIED OTHERWISE.  
2. REFER TO SHEET G102-G103 FOR TYPICAL SECTIONS AND DETAILS.  
3. ALL LOT DIMENSIONS ARE APPROXIMATE. FINAL LOT DIMENSIONS ARE SHOWN ON THE PRELIMINARY/FINAL PLAT.  
4. REFER TO SHEET G101 FOR PROJECT NOTES.  
5. REFER TO SHEET C202 FOR LINE/CURVE TABLES.

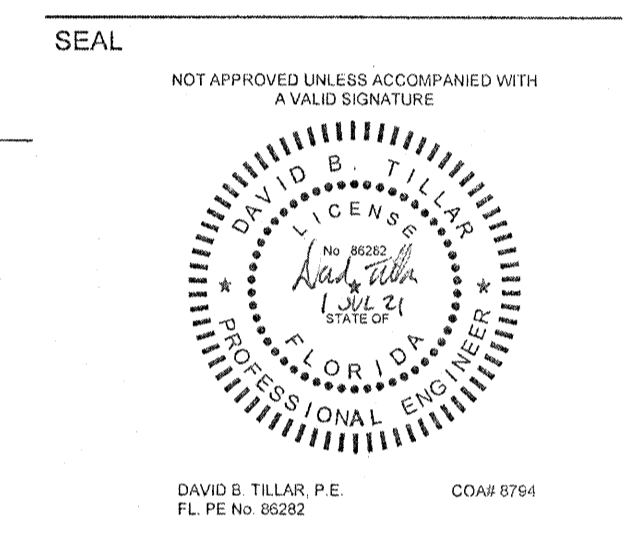
**TYPE A VEGETATIVE BUFFER:**  
BUFFER WIDTH: 12'  
CANOPY TREES: 2 PER 100 LINEAR FEET  
UNDERSTORY TREES: 1 PER 100 LINEAR FEET  
SHRUBS: 10 PER 100 LINEAR FEET

**SITE PLAN LEGEND:**

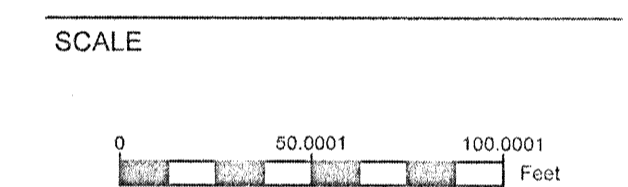
- REQUIRED ASPHALT PAVING
- REQUIRED SIDEWALK
- REQUIRED STOP SIGN
- REQUIRED STREET NAME SIGN

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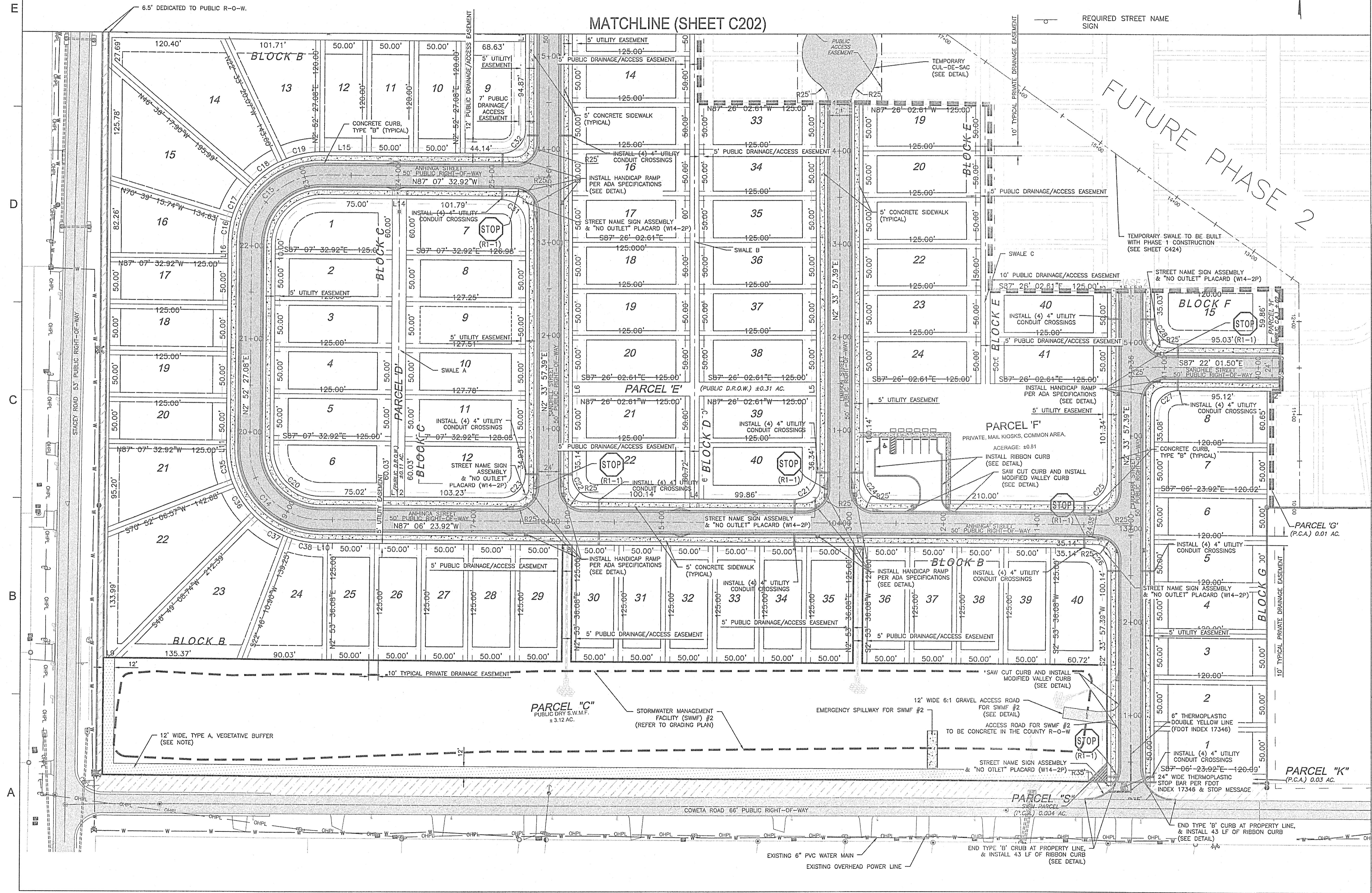
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**SITE PLAN**

PROJECT NO. 50128595

**C201**  
SHEET NO.

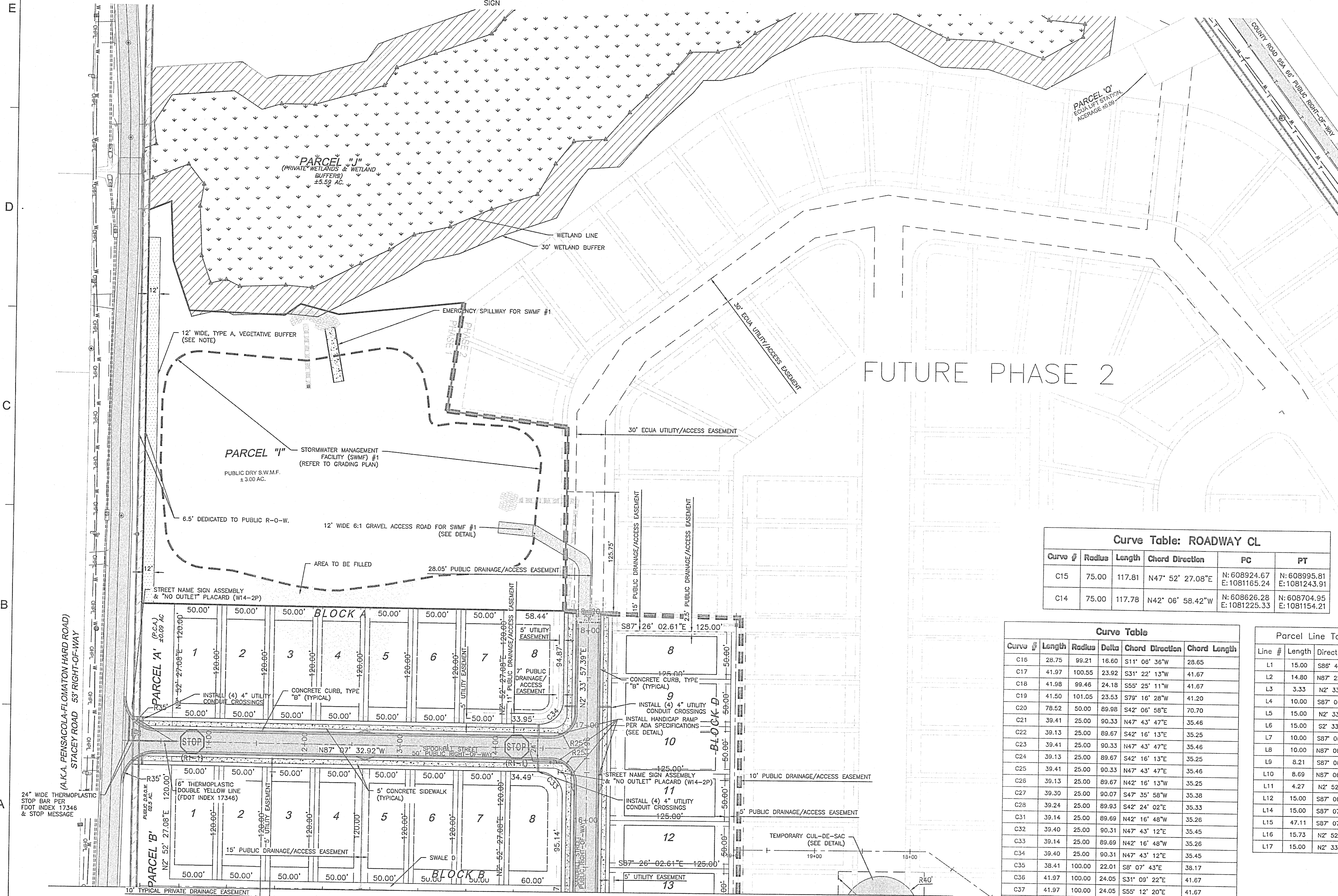


- SITE PLAN NOTES:**
1. ALL DIMENSIONS ARE TO FACE OF CURB OR CENTERLINE OF GUTTER UNLESS SPECIFIED OTHERWISE.
  2. REFER TO SHEET G102-G103 FOR TYPICAL SECTIONS AND DETAILS.
  3. ALL LOT DIMENSIONS ARE APPROXIMATE. FINAL LOT DIMENSIONS ARE SHOWN ON THE PRELIMINARY/FINAL PLAT.
  4. REFER TO SHEET G101 FOR PROJECT NOTES.

- SITE PLAN LEGEND:**
- REQUIRED ASPHALT PAVING
  - REQUIRED SIDEWALK
  - REQUIRED STOP SIGN
  - REQUIRED STREET NAME SIGN

**TYPE A VEGETATIVE BUFFER:**

BUFFER WIDTH: 12'  
CANOPY TREES: 2 PER 100 LINEAR FEET  
UNDERSTORY TREES: 1 PER 100 LINEAR FEET  
SHRUBS: 10 PER 100 LINEAR FEET



Curve Table: ROADWAY CL					
Curve #	Radius	Length	Chord Direction	PC	PT
C15	75.00	117.81	N47° 52' 27.08"E	N: 608924.67 E: 1081165.24	N: 608995.81 E: 1081243.91
C14	75.00	117.78	N42° 06' 58.42"W	N: 608626.28 E: 1081225.33	N: 608704.95 E: 1081154.21

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C16	28.75	99.21	16.60	S11° 06' 36"W	28.65
C17	41.97	100.55	23.92	S31° 22' 13"W	41.67
C18	41.98	99.46	24.18	S55° 25' 11"W	41.67
C19	41.50	101.05	23.53	S79° 16' 28"W	41.20
C20	78.52	50.00	89.98	S42° 06' 58"E	70.70
C21	39.41	25.00	90.33	N47° 43' 47"E	35.46
C22	39.13	25.00	89.67	S42° 16' 13"E	35.25
C23	39.41	25.00	90.33	N47° 43' 47"E	35.46
C24	39.13	25.00	89.67	S42° 16' 13"E	35.25
C25	39.41	25.00	90.33	N47° 43' 47"E	35.46
C26	39.13	25.00	89.67	N42° 16' 13"W	35.25
C27	39.30	25.00	90.07	S47° 35' 58"W	35.38
C28	39.24	25.00	89.93	S42° 24' 02"E	35.33
C31	39.14	25.00	89.69	N42° 16' 48"W	35.26
C32	39.40	25.00	90.31	N47° 43' 12"E	35.45
C33	39.14	25.00	89.69	N42° 16' 48"W	35.26
C34	39.40	25.00	90.31	N47° 43' 12"E	35.45
C35	38.41	100.00	22.01	S8° 07' 43"E	38.17
C36	41.97	100.00	24.05	S31° 09' 22"E	41.67
C37	41.97	100.00	24.05	S55° 12' 20"E	41.67
C38	34.69	100.00	19.88	S77° 10' 07"E	34.52

Parcel Line Table		
Line #	Length	Direction
L1	15.00	S86° 49' 52.70"E
L2	14.80	N87° 22' 01.50"W
L3	3.33	N2° 33' 57.39"E
L4	10.00	S87° 06' 23.92"E
L5	15.00	N2° 33' 57.39"E
L6	15.00	S2° 33' 57.39"W
L7	10.00	S87° 06' 23.92"E
L8	10.00	N87° 06' 23.92"W
L9	8.21	S87° 06' 23.92"E
L10	8.69	N87° 06' 23.92"W
L11	4.27	N2° 52' 27.08"E
L12	15.00	S87° 06' 23.92"E
L14	15.00	S87° 07' 32.92"E
L15	47.11	S87° 07' 32.92"E
L16	15.73	N2° 52' 27.08"E
L17	15.00	N2° 33' 57.39"E

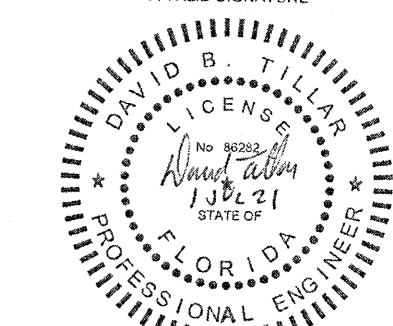


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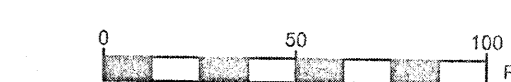
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FL PE No. 19421

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TITLE

**SITE PLAN**

PROJECT NO. 50126505

**C202**

SHEET NO.

MATCHLINE (SHEET C201)



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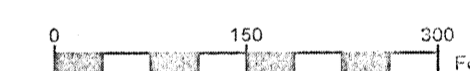


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FL. P.E. NO. 65502

CDAP 8734

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OVERALL  
GRADING PLAN

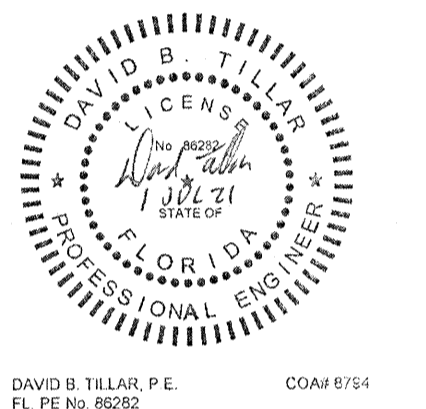
PROJECT NO. 50128595

C400

SHEET NO.

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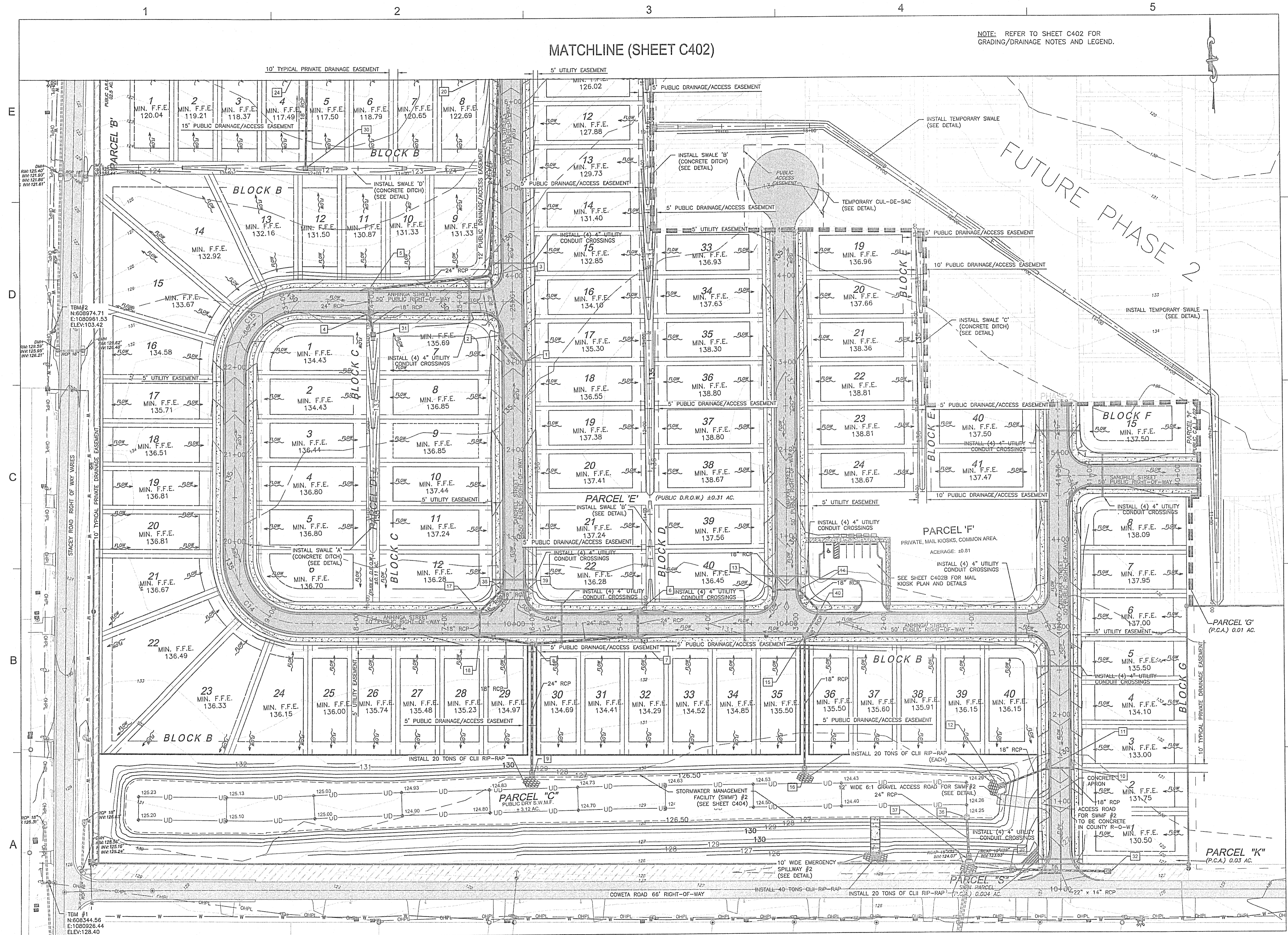
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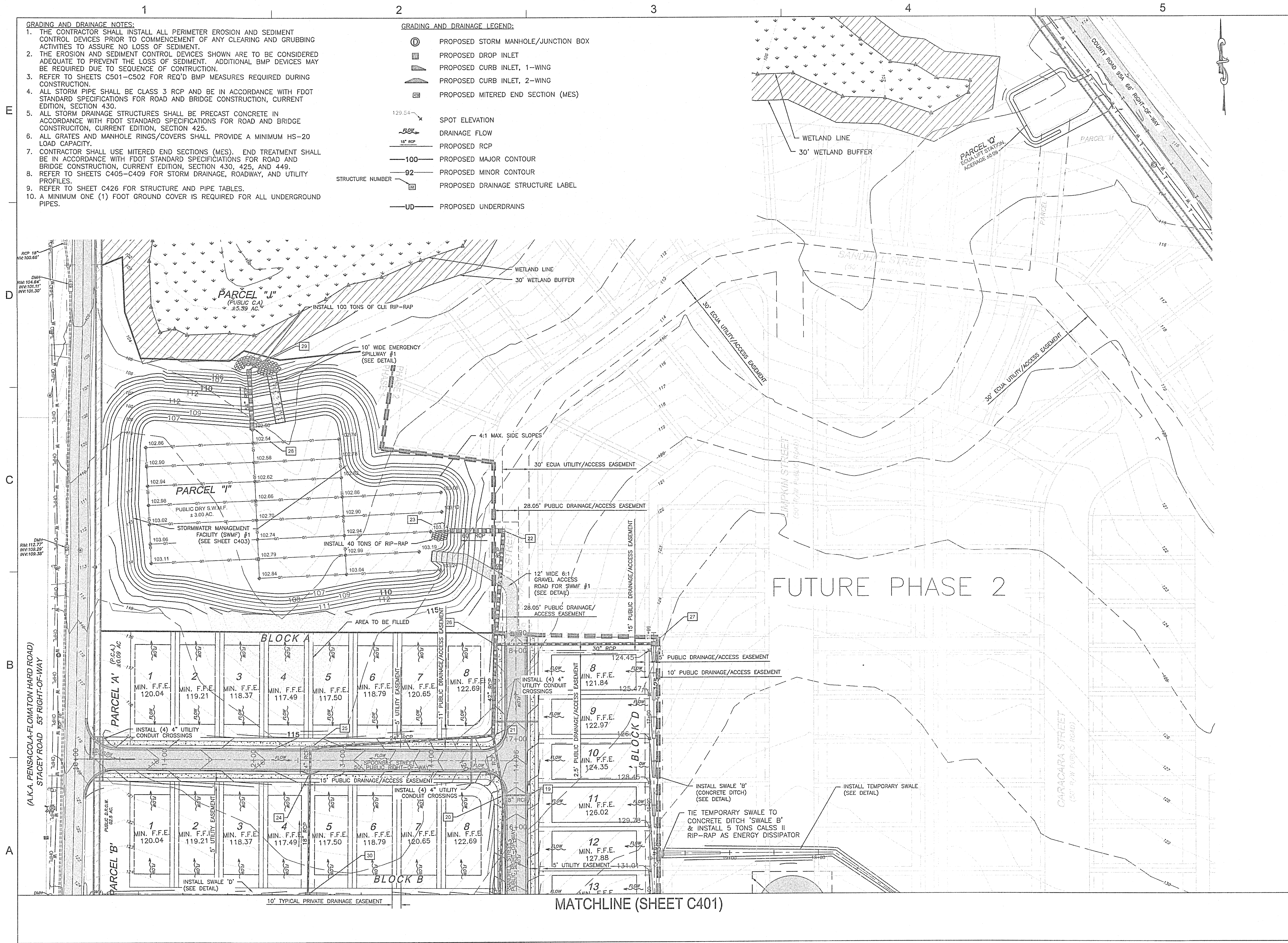
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PROJECT NO. 50128595

C401

SHEET NO. \_\_\_\_\_



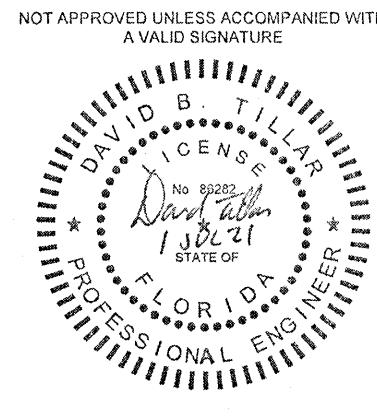


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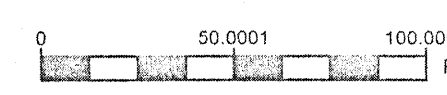
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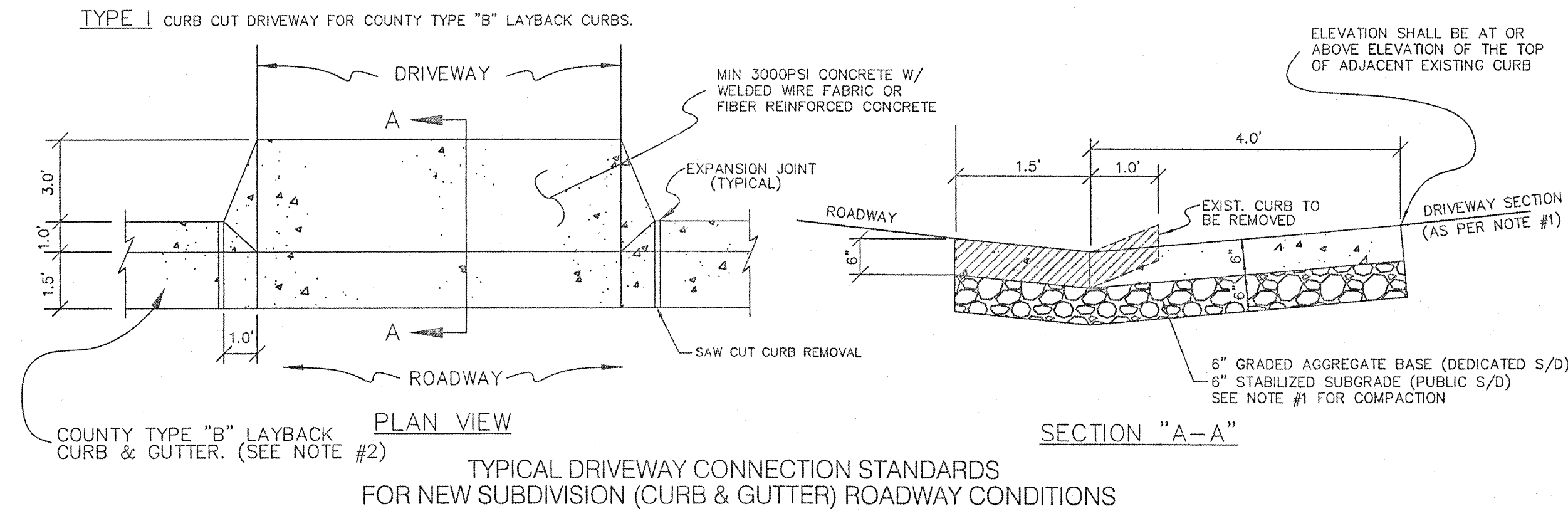
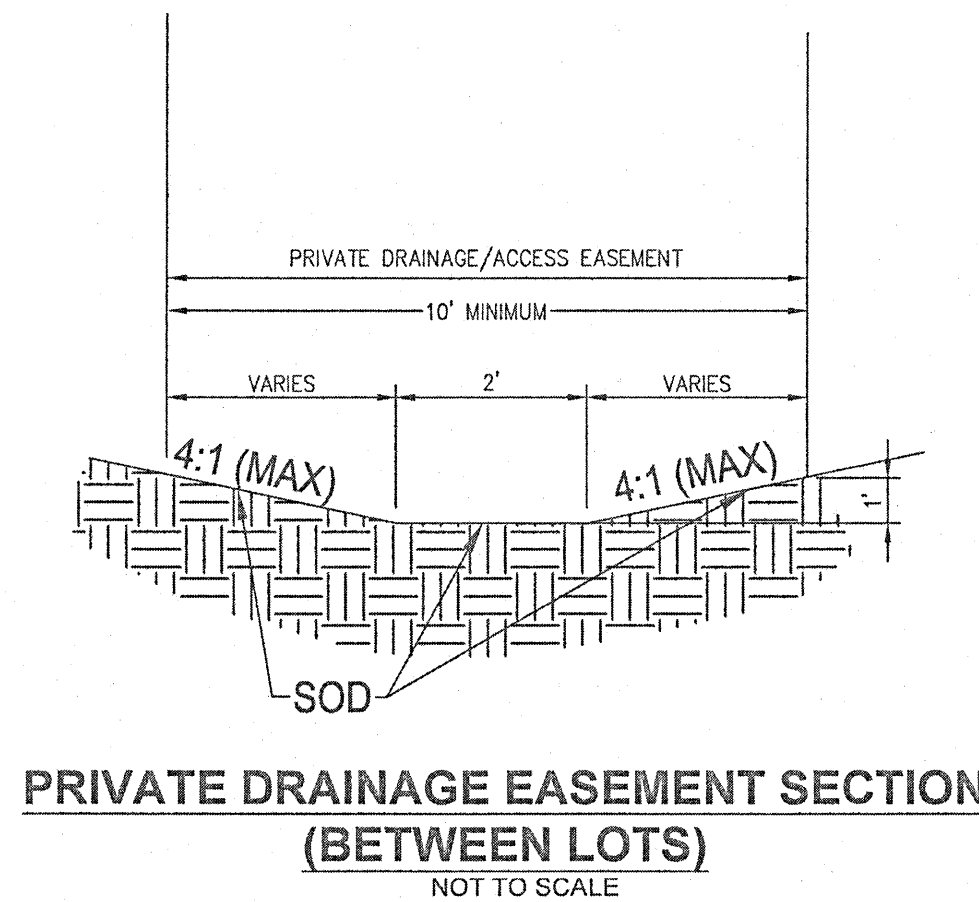
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PROJECT NO. 50128595

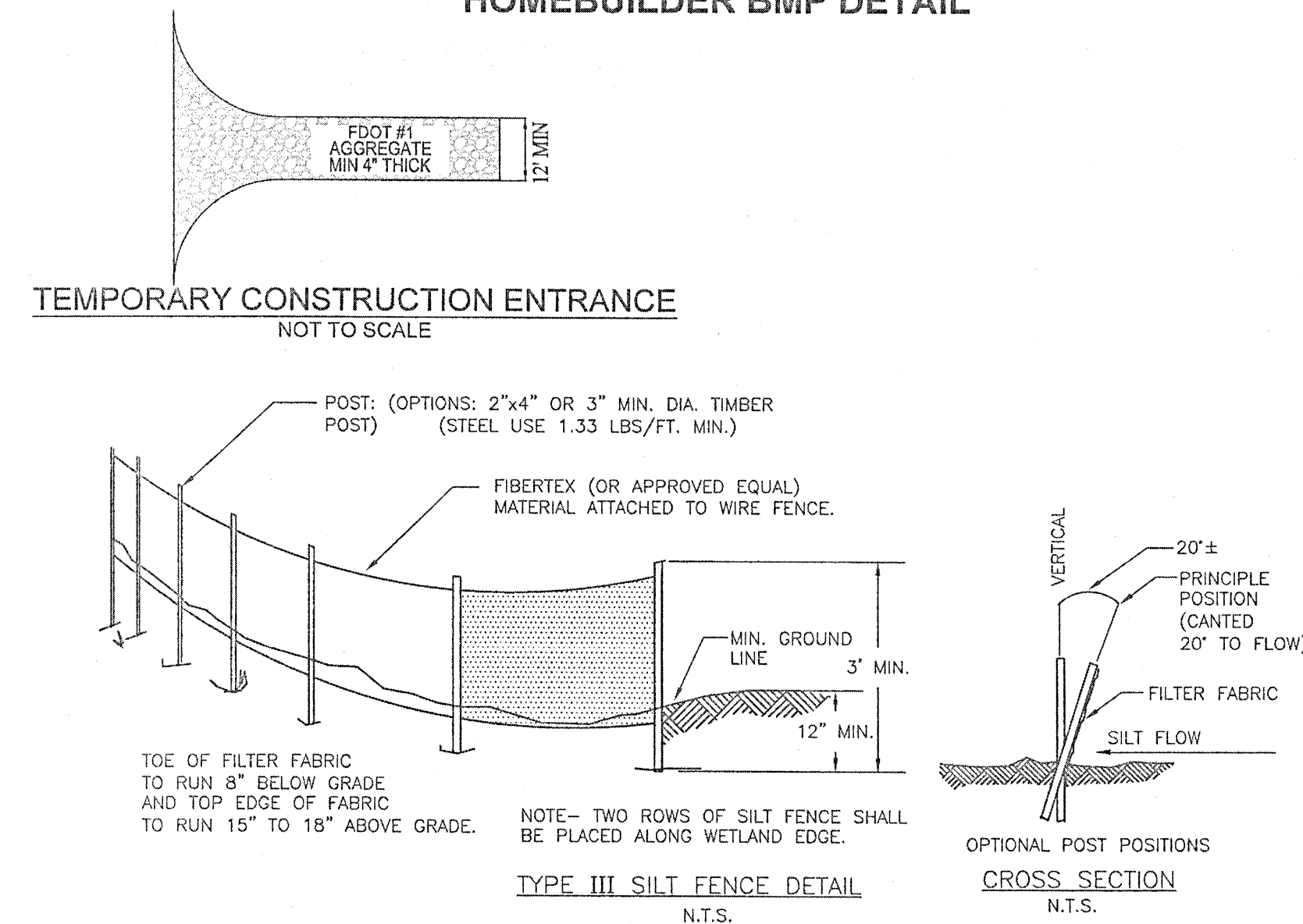
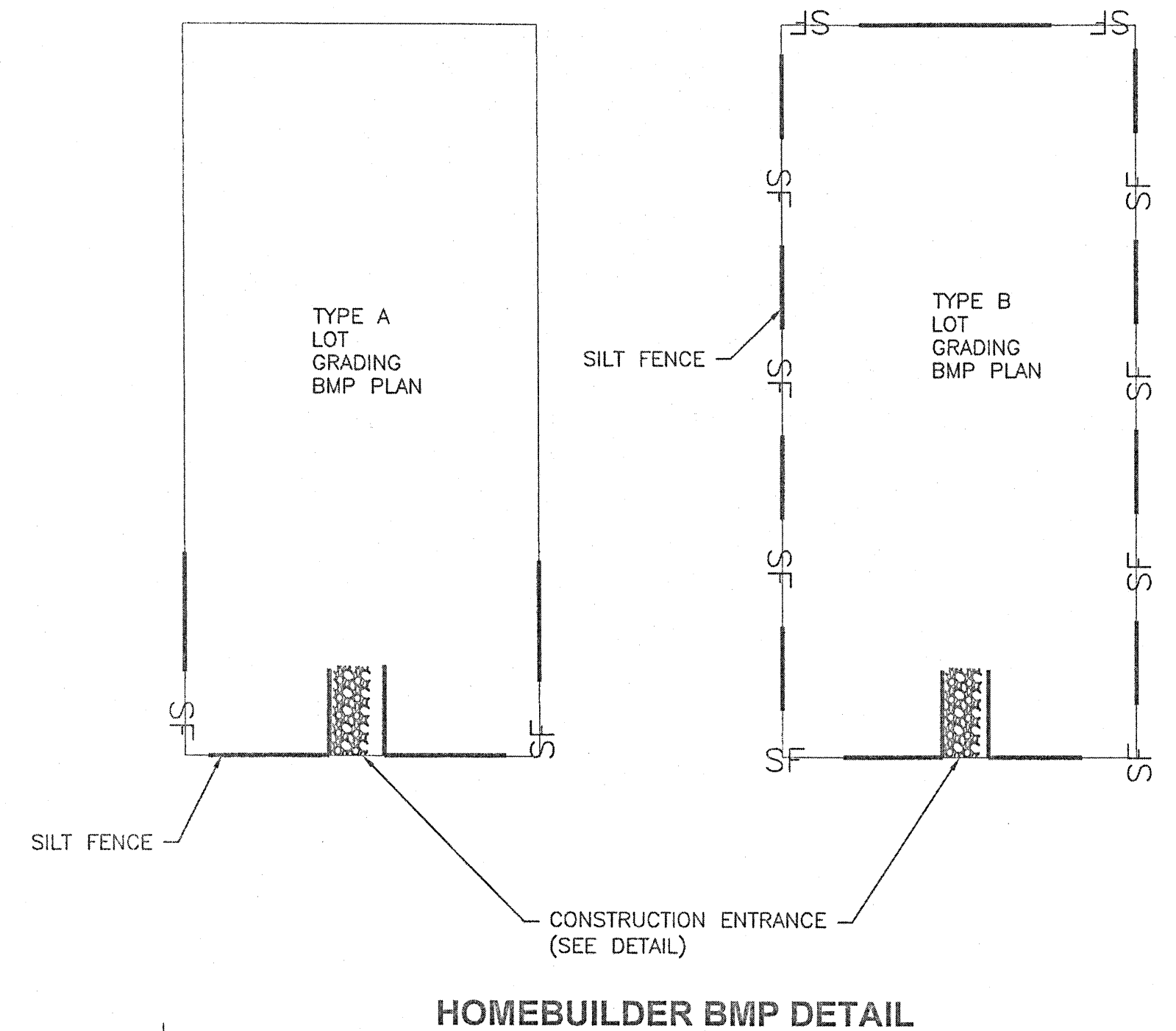
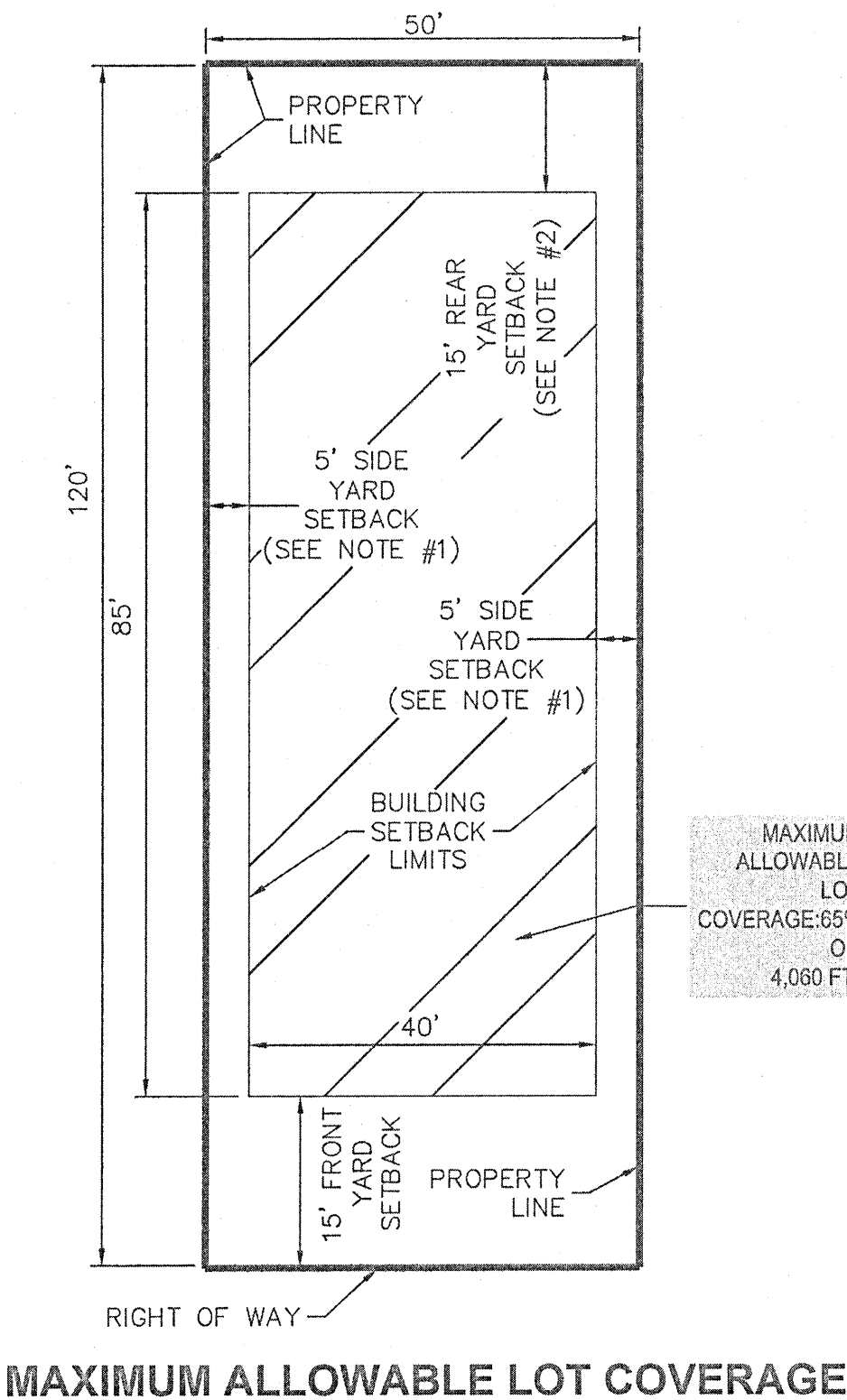
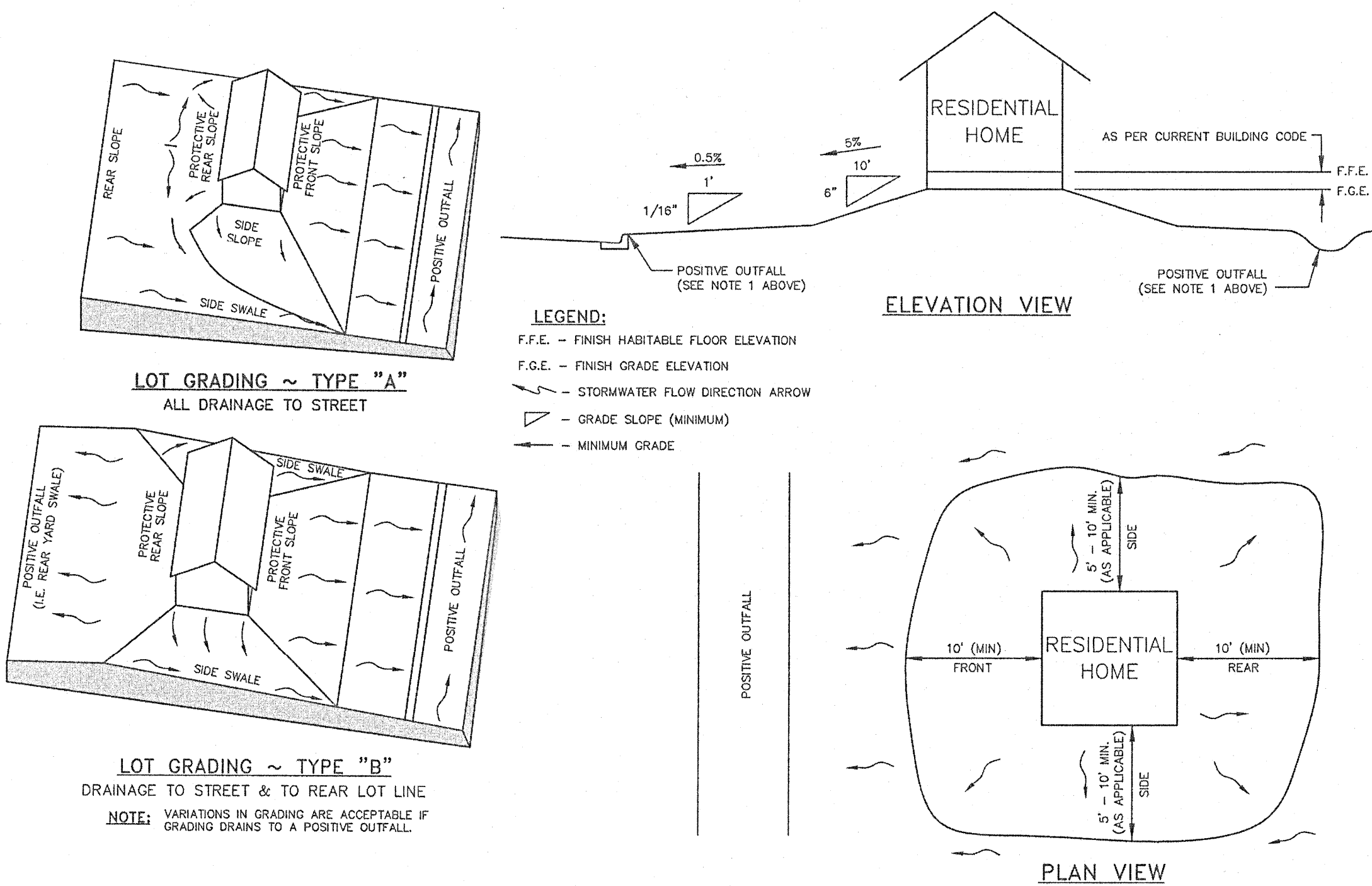
C402

SHEET NO.

- GRADING AND DRAINAGE NOTES:**
- THE CONTRACTOR SHALL INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO COMMENCEMENT OF ANY CLEARING AND GRUBBING ACTIVITIES TO ASSURE NO LOSS OF SEDIMENT.
  - THE EROSION AND SEDIMENT CONTROL DEVICES SHOWN ARE TO BE CONSIDERED ADEQUATE TO PREVENT THE LOSS OF SEDIMENT. ADDITIONAL BMP DEVICES MAY BE REQUIRED DUE TO SEQUENCE OF CONSTRUCTION.
  - REFER TO SHEETS C501-C502 FOR REQ'D BMP MEASURES REQUIRED DURING CONSTRUCTION.
  - ALL STORM PIPE SHALL BE CLASS 3 RCP AND BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, SECTION 430.
  - ALL STORM DRAINAGE STRUCTURES SHALL BE PRECAST CONCRETE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, SECTION 425.
  - ALL GRATES AND MANHOLE RINGS/COVERS SHALL PROVIDE A MINIMUM HS-20 LOAD CAPACITY.
  - CONTRACTOR SHALL USE EITHER FLARED-END SECTIONS (FES) AS SHOWN OR MITERED END SECTIONS (MES). EITHER END TREATMENT SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, SECTION 430, 425, AND 449.
  - REFER TO SHEETS C405-C409 FOR STORM DRAINAGE, ROADWAY, AND UTILITY PROFILES.
  - REFER TO SHEET C426 FOR STRUCTURE AND PIPE TABLES.
  - A MINIMUM ONE (1) FOOT GROUND COVER IS REQUIRED FOR ALL UNDERGROUND PIPES.
  - ALL PRIVATE DRAINAGE CONVEYANCE SWALES IN PRIVATE DRAINAGE EASEMENTS SHALL BE BUILT BY THE HOMEOWNER



- NOTES:**
- DRIVEWAY SECTIONS ABUTTING CURB OR CURB CUT SHALL BE 6" CONCRETE WITH 6" STABILIZED SUBGRADE AND 4" TO 6" CONCRETE DRIVEWAY WITH 4" STABILIZED SUBGRADE ~ 95% COMPACTION (MODIFIED PROCTOR) WITH LBR 40 BETWEEN EDGE OF ROADWAY AND R/W LINE.
  - FOR OTHER TYPE CURBS, DIMENSIONS MAY BE ADJUSTED TO FIT. IF NECESSARY, REFER TO F.D.O.T. INDEX DETAILS.
  - DRIVEWAYS WITHIN PROPERTY BOUNDARY SHALL PROVIDE A MINIMUM OF 2 PARKING SPACES.
  - TYPICAL DRIVEWAY SECTIONS ARE TO BE 12' WIDE MINIMUM.
  - EXISTING SECTION OF CURBING TO BE REMOVED SHALL BE SAW CUT.



### MINIMUM STANDARDS FOR TYPICAL RESIDENTIAL GRADING CONTROL PLAN

- NOTES:**
- A POSITIVE DRAINAGE OUTFALL IS A CONVEYANCE SYSTEM (PUBLIC DRAINAGE/ACCESS EASEMENT, ROADWAY WITH A DRAINAGE SYSTEM ~ CURB & GUTTER, OR DITCH) WHICH CONTAINS, CONTROLS, AND TRANSMITS STORMWATER RUNOFF TO A CREEK, STREAM, RIVER, BAY, GULF, OCEAN, OR OTHER WATERS OF THE STATE, OR WATERS OF THE UNITED STATES, OR TO ANY FUNCTIONING ESCAMBIA COUNTY OR STATE DRAINAGE SYSTEM.
  - FINISH FLOOR ELEVATION SHALL BE AS SPECIFIED BY BUILDING CODE.
  - THESE ARE MINIMAL REQUIREMENTS AND DO NOT RELIEVE THE BUILDER FROM PROVIDING ADDITIONAL GRADING TO DIRECT STORMWATER TO A POSITIVE OUTFALL DRAINAGE SYSTEM AND ELIMINATE NEGATIVE IMPACTS TO ADJACENT LOTS AND PROPERTIES.
  - DISTURBED LOT AREAS SHALL BE COMPLETELY STABILIZED WITH SOD. IF THE HOME IS CONSTRUCTED, STABILIZE THE FIRST 10' WITH SOD AND SOD AND/OR SEED AND MULCH THE REMAINDER OF THE LOT.
  - THE HOMEOWNER SHALL COMPLY WITH STATE PERMITTING REQUIREMENTS FOR LARGE AND SMALL CONSTRUCTION SITES, SPECIFICALLY THE NPDES PERMITS WHICH REQUIRES A DETAILED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BEING AVAILABLE ONSITE FOR REVIEW DURING ALL PHASES OF CONSTRUCTION.
  - LOT CLEARING ACTIVITIES SHALL NOT PROCEED WITHOUT BUILDING PERMITS FOR THOSE LOTS EXCLUDING CLEARING REQUIRED FOR CONSTRUCTION OF CONVEYANCE SWALES OR DRAINAGE FEATURES DESIGNATED AS THE DEVELOPER'S RESPONSIBILITY.
  - ALL NEW RUNOFF, DOWNSPOUTS, AND GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO THE ROADS OR SWALES THAT LEAD TO THE RETENTION POND OR APPROVED DRAINAGE SYSTEM.
  - PROVIDE EROSION CONTROL MEASURES TO ENSURE ALL SEDIMENTS SHALL BE RETAINED ON EACH INDIVIDUAL LOT.
  - WETLANDS SHALL BE PROTECTED WITH FABRIC SILT FENCING AND BURIED HAYBALE SYSTEMS (DOUBLE ROWS AS NECESSARY).
  - CONVEYANCE SWALES SHALL BE BUILT BY THE CONTRACTOR
  - TREATMENT AND SIDE YARD SWALES SHALL BE BUILT BY THE HOMEOWNER
  - HOME EQUIPMENT SUCH AS GENERATORS, PUMPS, A/C UNITS ETC., SHALL NOT HINDER DRAINAGE FLOW OF SIDE YARD SWALES

LOT GRADING TABLE	
TYPE A	TYPE B
BLOCK B: LOTS: 1-8	BLOCK A: LOTS: 1-8
BLOCK D: LOTS: 8-16	BLOCK B: LOTS: 9-40
BLOCK G: LOTS: 1-6	BLOCK C: LOTS: 1-12
	BLOCK D: LOTS: 17-22 33-40
	BLOCK E: LOTS: 19-24 40-41
	BLOCK F: LOTS: 15
	BLOCK G: LOTS: 7-8

### PHASE 1 TOTAL IMPROVEMENTS IMPERVIOUS AREAS

RESIDENTIAL IMPERVIOUS:	406,000 FT²
ROADWAY & CURB:	108,514 FT²
SIDEWALK:	36,722 FT²



Dewberry Engineers Inc.  
25353 Friendship Road  
Daphne, AL 36526

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DAVID B. TILLAR, P.E.  
FL PE NO. 86282

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GRADING PLAN

PROJECT NO. 50128595

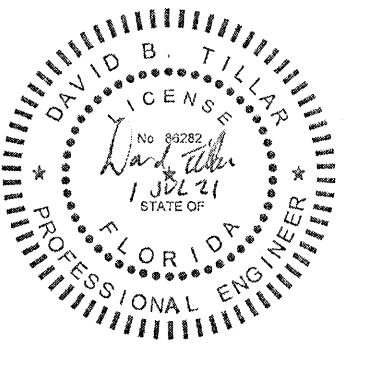
C402A

SHEET NO.

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L. PE No. 95282

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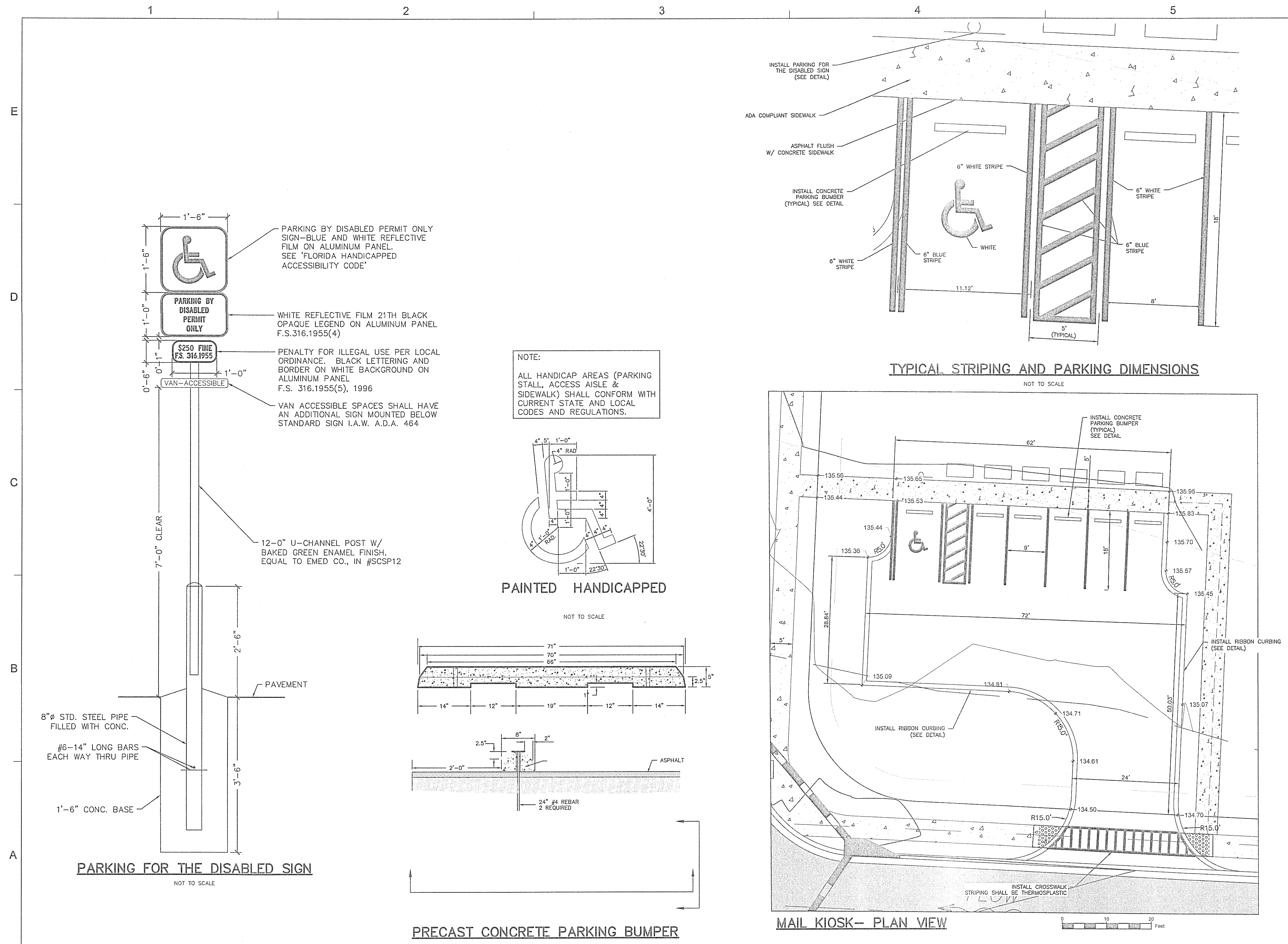
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## GRADING PLAN

PROJECT NO. 50128595

C402B

SHEET NO.





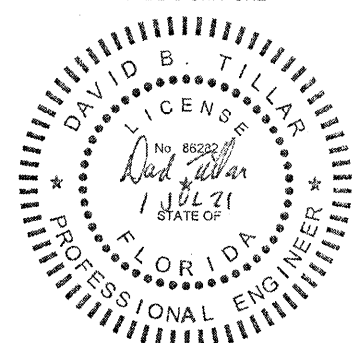
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FL. PE. NO. 18043

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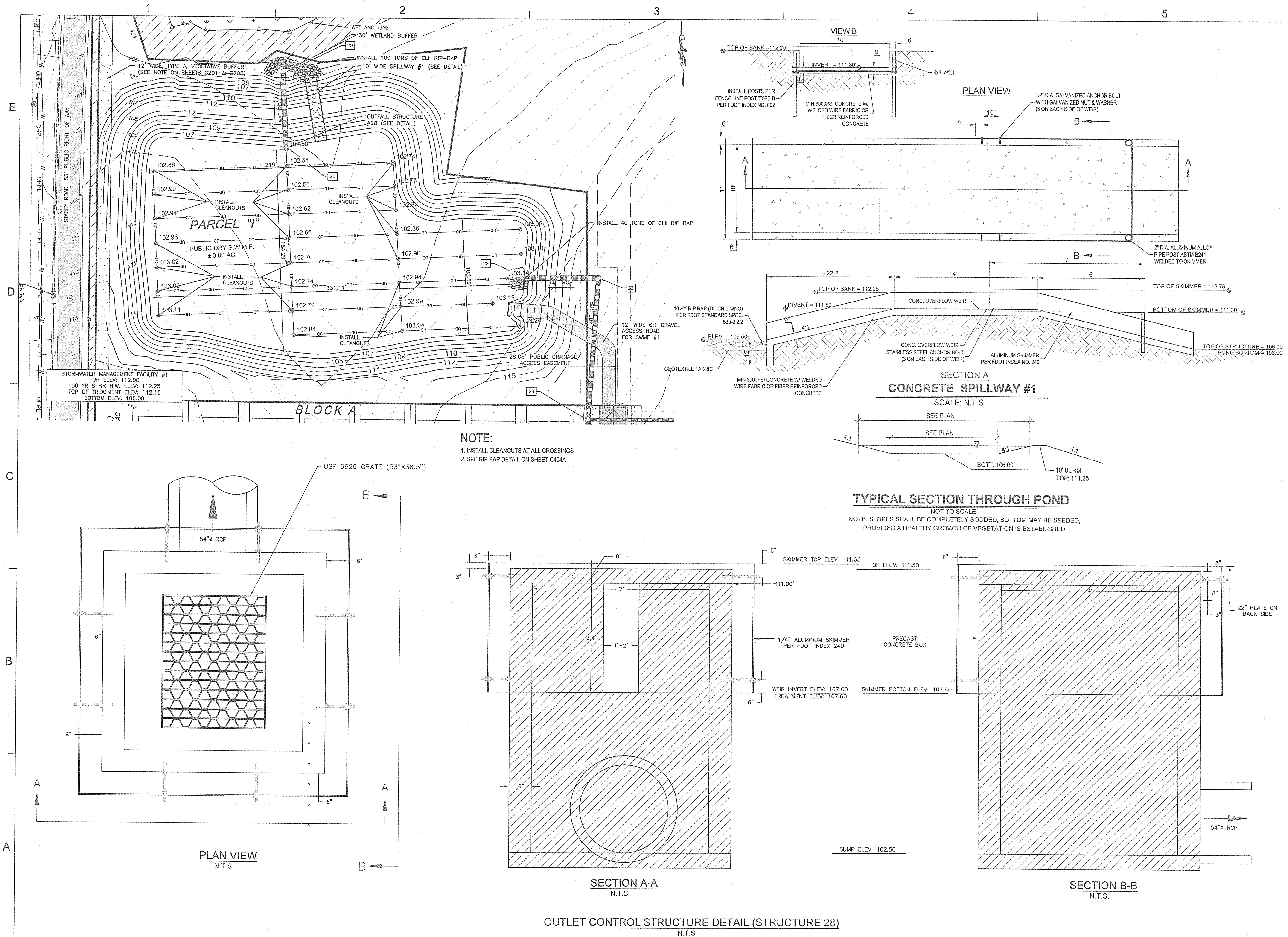
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STORMWATER  
MANAGEMENT  
FACILITY #1

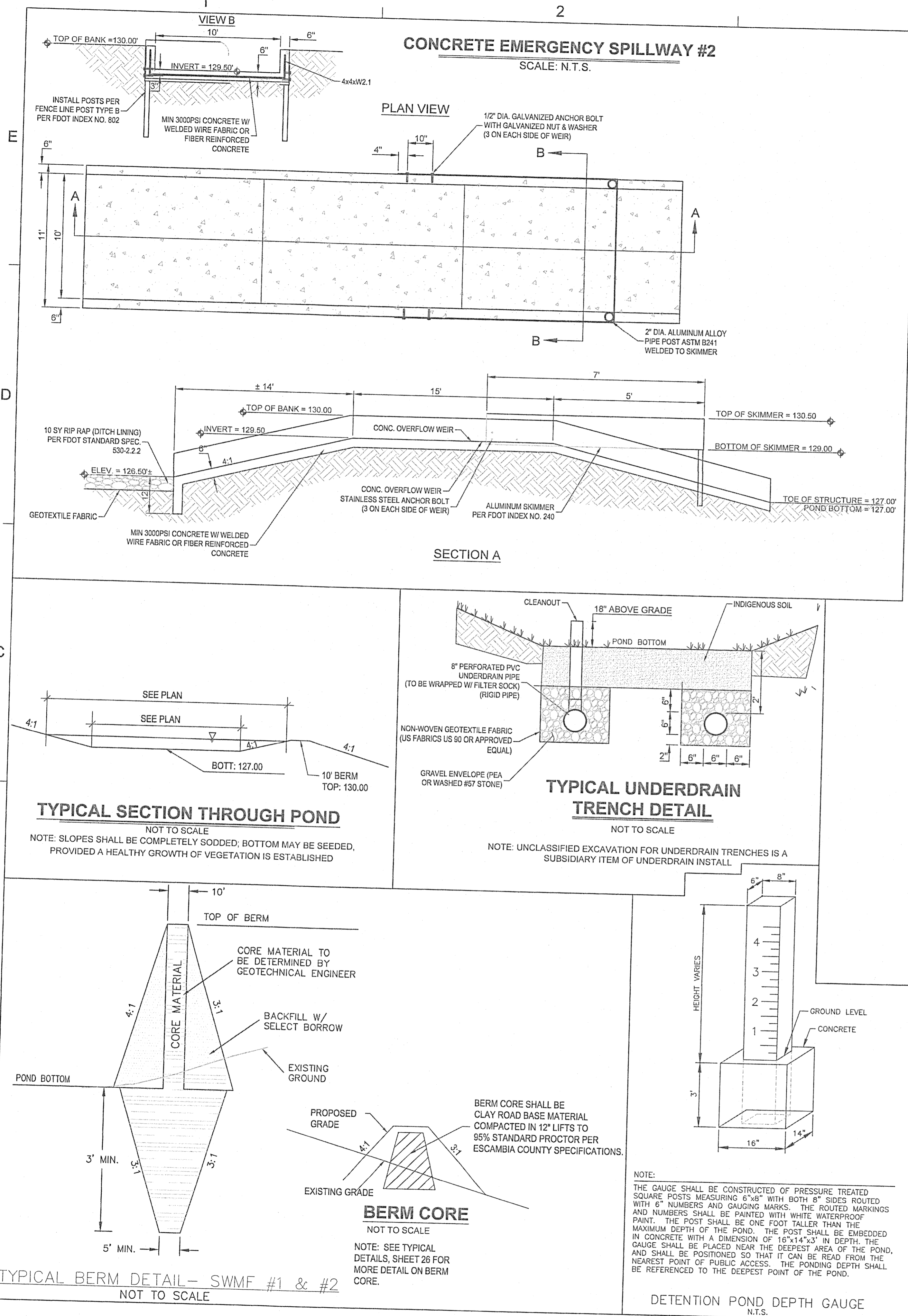
PROJECT NO. 50128595

C403

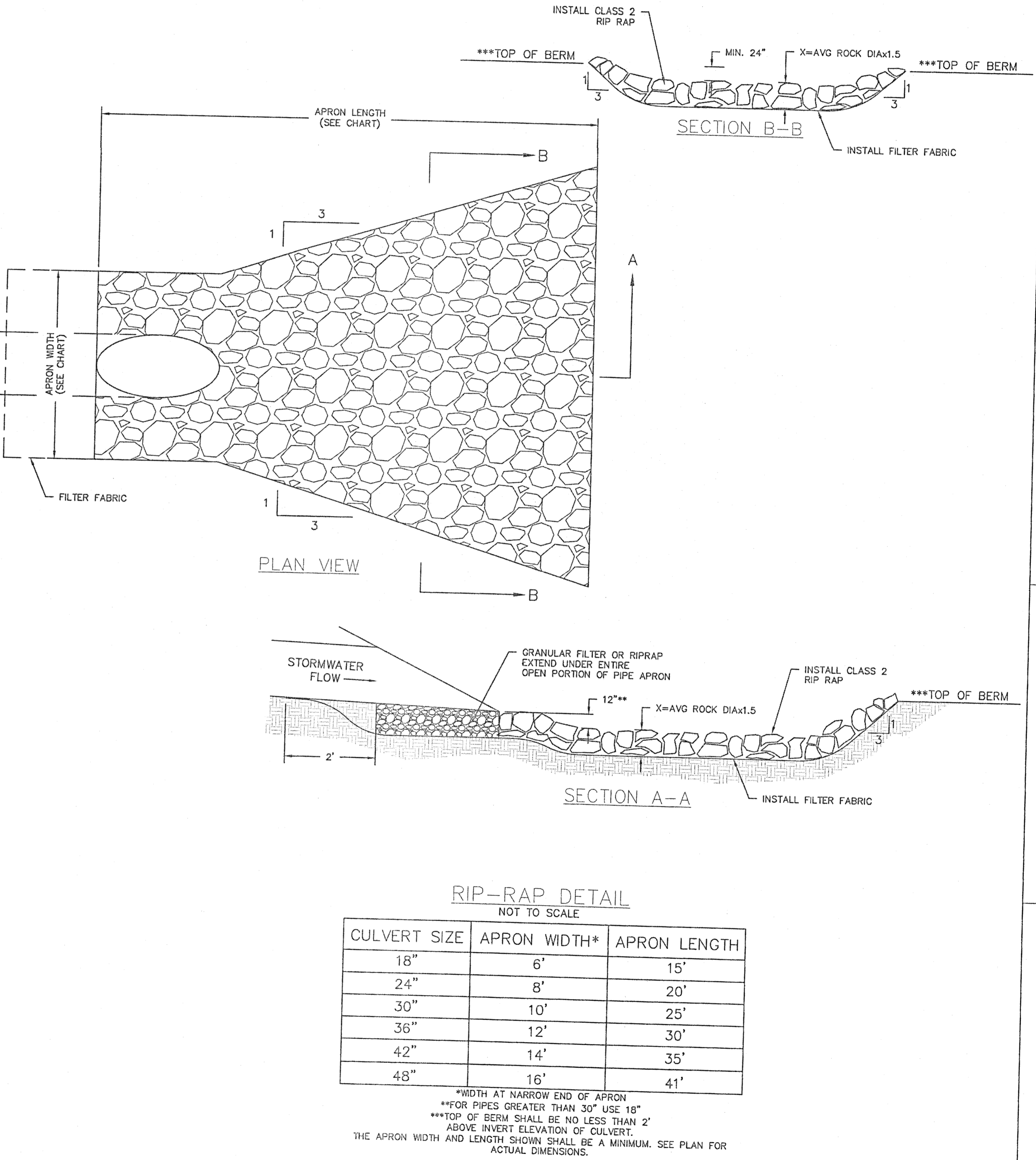
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- GENERAL NOTES:**
- IN THE EVENT THAT A STRUCTURAL FAILURE (SINK FEATURE) OCCURS DURING CONSTRUCTION, ALL CONSTRUCTION ACTIVITY SHALL CEASE AND A FLORIDA REGISTERED GEOTECHNICAL ENGINEER SHALL BE CONTACTED IMMEDIATELY A CORRECTIVE MEASURES PLAN MUST BE APPROVED BY THE NWFMD AND IMPLEMENTED PRIOR TO RESUMING CONSTRUCTION.
  - SEED AND MULCH AREA WITHIN THE BOTTOM OF THE PROPOSED STORMWATER POND WITH AN EQUAL MIXTURE OF CENTIPEDE GRASS SEED AND ANNUAL RYE GRASS SEED. IF WINTER RYE SEED IS USED, INCLUDE A BANANA MILK TO INSURE CONTINUED GROWTH AFTER WINTER MONTHS.
  - SLOPES SHALL BE STABILIZED WITH SOD IMMEDIATELY UPON CONSTRUCTION.
  - STRIP PROPOSED BERM AREAS PLUS A MARGIN OF 3' OUTSIDE THE BERM FOOTPRINT (BUT DO NOT EXTEND WORK ONTO ADJACENT PROPERTY OR WETLAND BUFFER) OF ALL SURFACE VEGETATION AND ROOT MAT (LARGE ROOTS AND SMALL ROOTS IN HIGH DENSITY).
  - BERM SOILS SHALL CONSIST OF SILTY TO CLAYEY SANDS WITH NO MORE THAN 50% PASSING THE US NO. 200 SIEVE (SILT AND CLAY FINES). DO NOT USE "PIPE CLAY", A MARBLED SANDY FAT CLAY TO FAT CLAY WITH HIGH PLASTICITY AND MORE THAN 50% SOIL FINES.
  - PLACE BERM SOILS TO THE PROPOSED LINES AND GRADES IN MAXIMUM 12" LOOSE LIFTS, AND COMPACT EACH LIFT TO AT LEAST 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D 1557). MOISTURE CONDITION THE SOILS BY DRYING OR WETTING TO AID COMPACTION.
  - TEST THE DENSITY OF THE SOILS TO DETERMINE IF THE REQUIRED COMPACTION DENSITY HAS BEEN ACHIEVED. PERFORM AT LEAST ONE FIELD DENSITY TEST IN EACH COMPACTED LIFT FOR EVERY 50' TO 75' OF BERM LENGTH, ALTERNATING THE TESTS INSIDE AND OUTSIDE OF CENTERLINE BERM. PERFORM FURTHER MOISTURE CONDITIONING AND RE-COMPACTION AS NECESSARY IN LIFT AREAS WITH FAILING DENSITY, AND RETEST.
  - PROVIDE TOPSOIL AND SOD COVER ON THE FINISHED BERM SLOPES TO PREVENT EROSION.
  - SIDE SLOPES 3:1 AND STEEPER SHALL BE PINNED.
- STORMWATER OPERATION/MAINTENANCE PLAN**  
OPERATION AND MAINTENANCE ENTITY IS ANTITAM H.O.A.  
AFTER EACH RAINFALL EVENT
- PAVEMENT AREAS - CLEAN/SWEEP DEBRIS AND DIRT FROM PAVEMENT AREAS.
  - SEDIMENTS IN RETENTION/DETENTION AREAS - REMOVED IMMEDIATELY.
  - DEBRIS IN RETENTION/DETENTION AREAS - ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED IMMEDIATELY.
  - YARD INLETS, CATCH BASINS, ETC. - ALL DEBRIS AND FOREIGN MATERIALS SHALL BE REMOVED IMMEDIATELY.
- PERIODIC POND/SYSTEM MAINTENANCE**
- CLEANING/SWEEPING OF PAVEMENT AREAS SHALL BE ACCOMPLISHED WEEKLY OR AS REQUIRED.
  - INSPECT POND PERIODICALLY FOR ACCUMULATION OF TRASH AND DEBRIS AND REMOVE IT UPON DISCOVERY.
  - MOWING AND LANDSCAPING MAINTENANCE SHOULD BE DONE ON A MONTHLY BASIS DURING THE ACTIVE GROWING SEASON FOR THE AREA. INSPECT AND MAINTAIN AS REQUIRED DURING THE GROWING SEASON.
  - WEEDS OR UNDESIRABLE GROWTH SHALL BE REMOVED UPON DISCOVERY.
  - CATCH BASINS SHALL BE FLUSHED AS NECESSARY (IF ANY).
  - THE OWNER SHALL RE-GRADE AND RE-STABILIZE SWALE/RETENTION/DETENTION AREAS AS REQUIRED TO MAINTAIN THE APPROVED DESIGN, CROSS-SECTION, LINE, AND GRADE.
  - REMOVE SEDIMENT FROM POND WHEN ACCUMULATION REACHES FOUR (4) INCHES. MEASURE ACCUMULATION ONCE A YEAR.
- INSPECTIONS**
- A MAINTENANCE INSPECTION MUST BE PERFORMED EVERY THIRD YEAR BY A REGISTERED PROFESSIONAL.
  - THE MAINTENANCE INSPECTION MUST BE DOCUMENTED ON THE FDEP AND/OR NWFMD STANDARD INSPECTION FORM (2-345 900(B)).
  - THE INSPECTION MUST BE SIGNED, SEALED, AND DATED BY THE REGISTERED PROFESSIONAL AND RECORDS MUST BE MADE AVAILABLE UPON REQUEST OF FDEP AND/OR NWFMD.
  - THE INSPECTION MUST BE CONDUCTED USING THE PLANS, CALCULATIONS AND SPECIFICATIONS APPROVED BY THE FDEP AND/OR NWFMD.



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Dewberry Engineers Inc.  
25353 Friendship Road  
Daphne, AL 36526

**SANCTUARY SUBDIVISION**  
**PHASE ONE**  
**D. R. HORTON, INC.**  
**ESCAMBIA COUNTY, FLORIDA**

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FL. PE No. 86282  
COR# 8754

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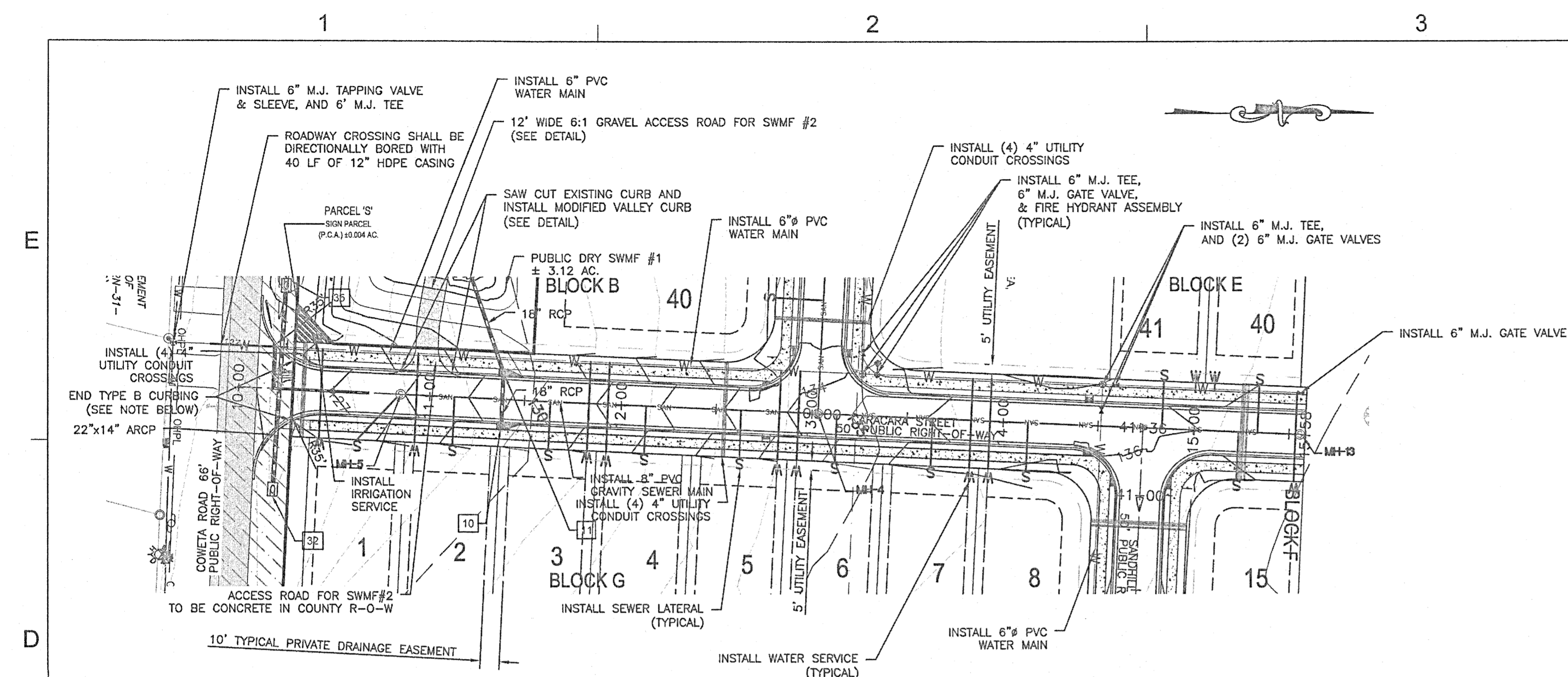
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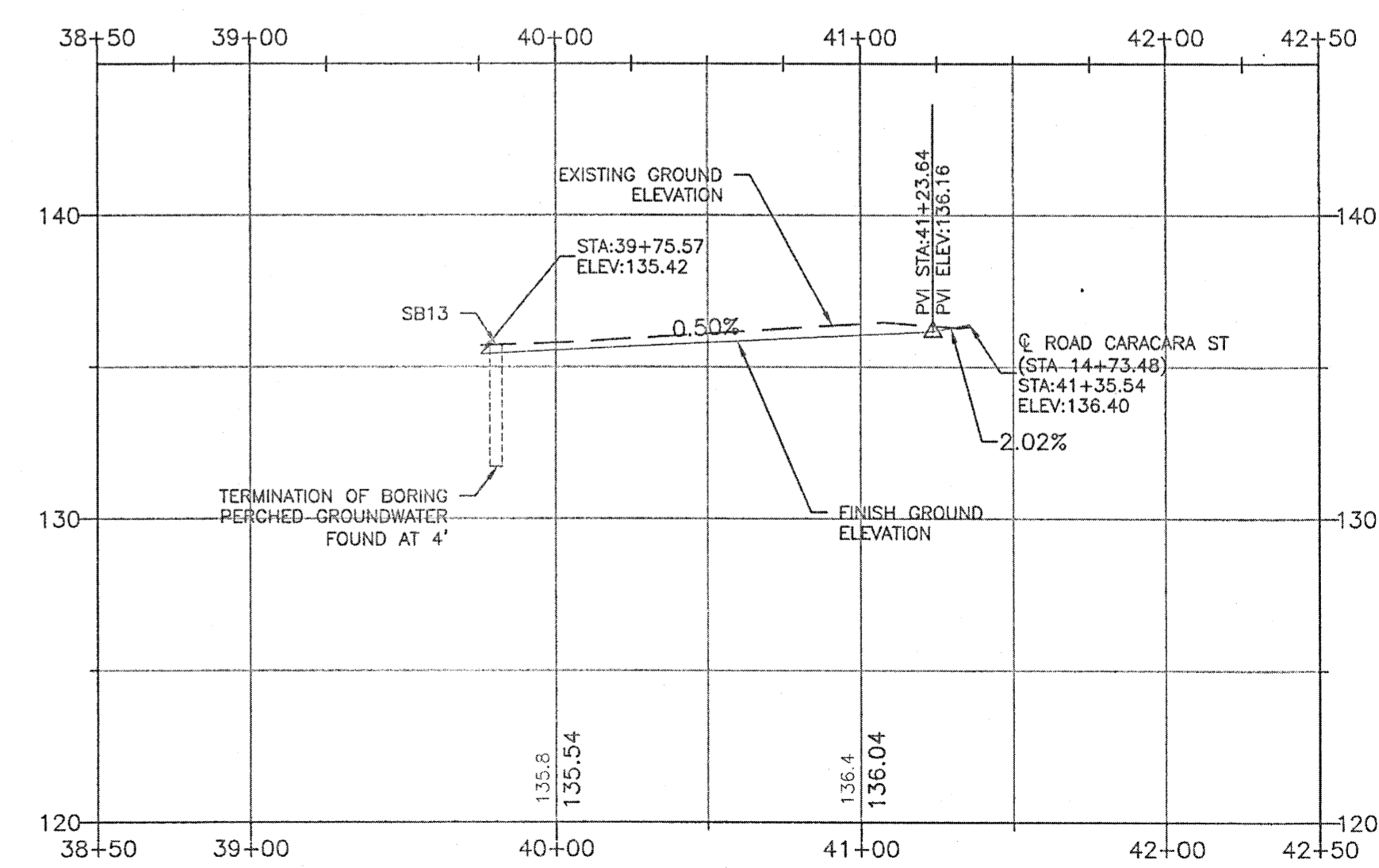
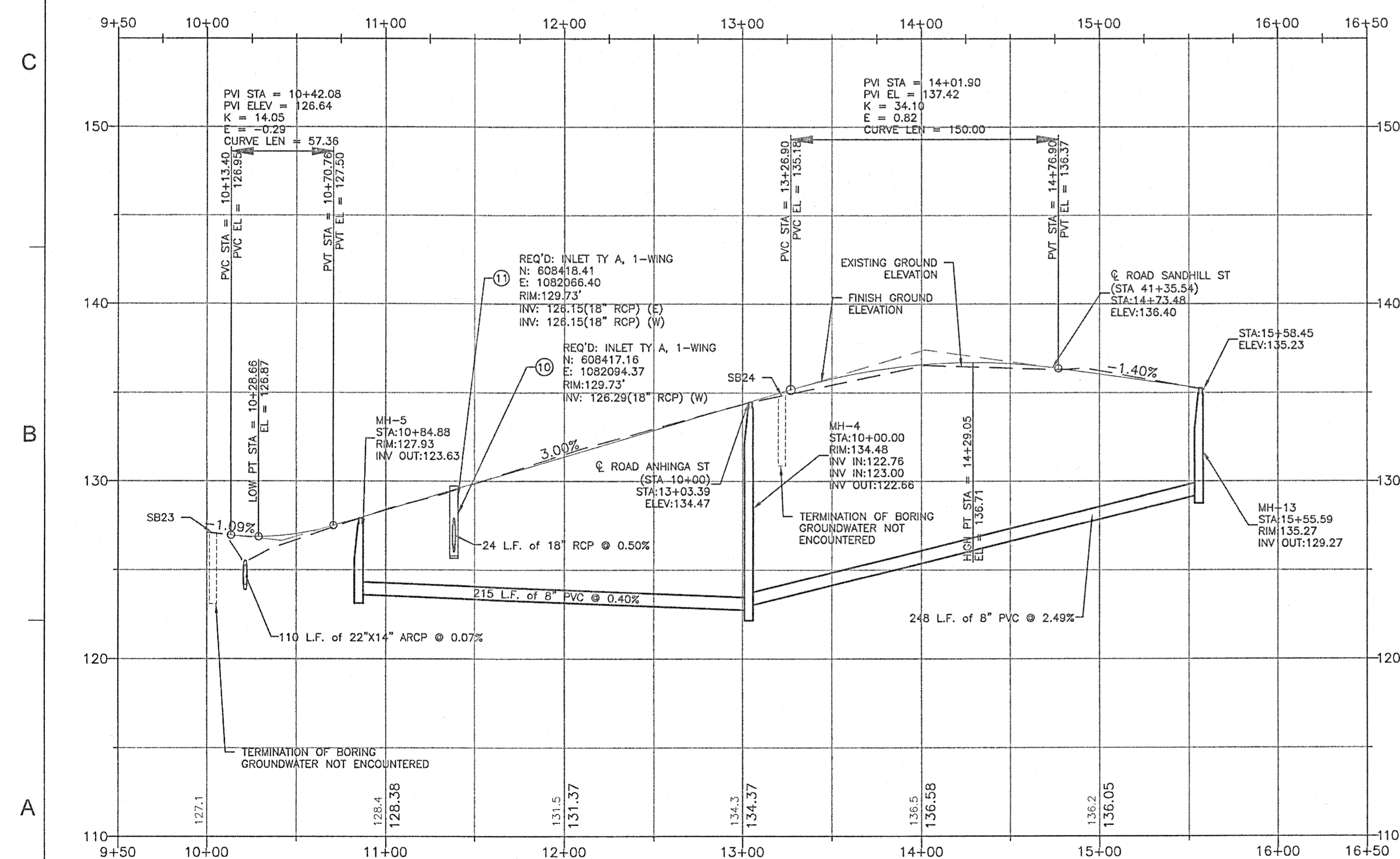
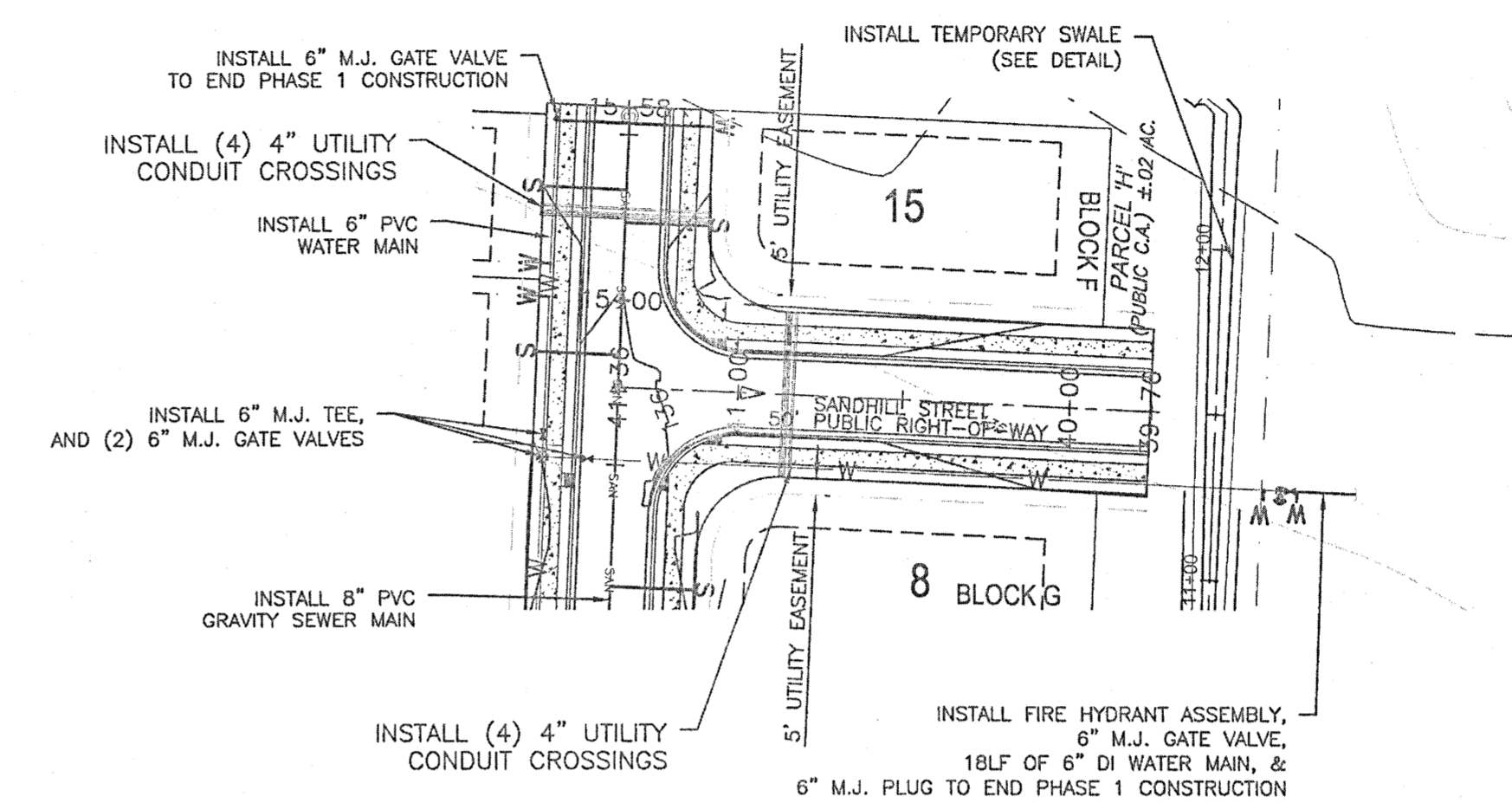
PROJECT NO. \_\_\_\_\_ 50128595

**C404A**

SHEET NO.



NOTE:  
TYPE B CURBING TO TRANSITION TO RIBBON CURBING AT  
PROPERTY LINE. RIBBON CURBING TO RUN ALONG REMAINDER OF  
RADIUSES AND EXTEND 3' EACH DIRECTION ALONG COWETA ST.



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## ROADWAY PLAN AND PROFILE

PROJECT NO. 50128595

C405

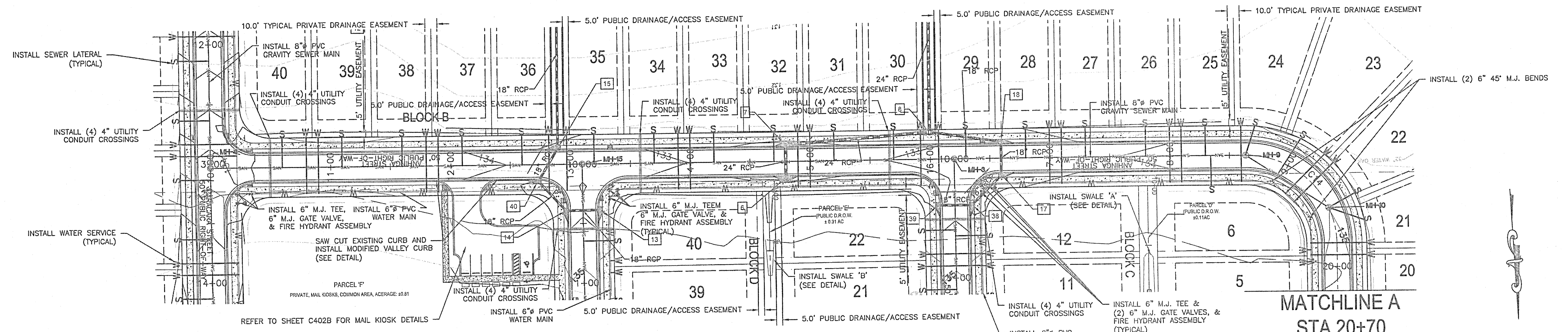
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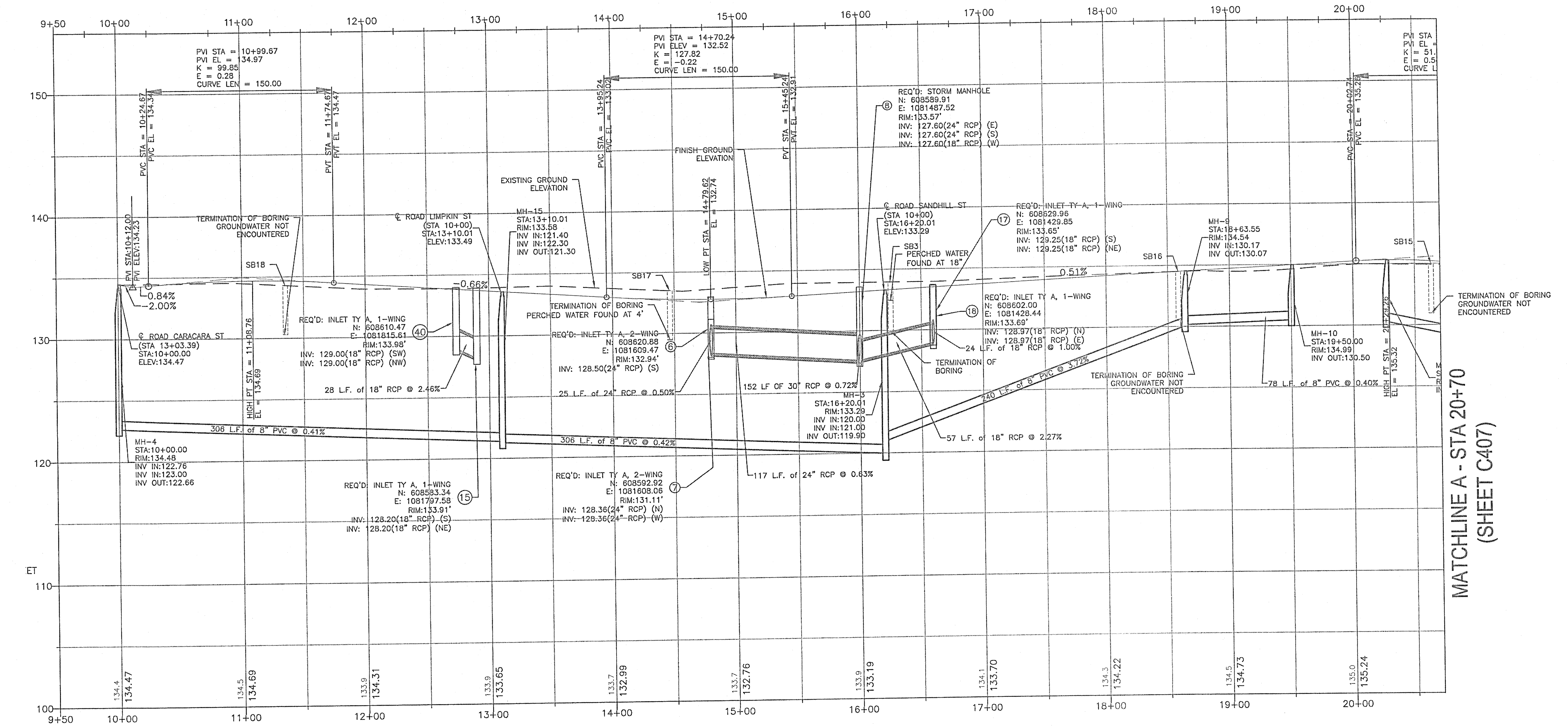


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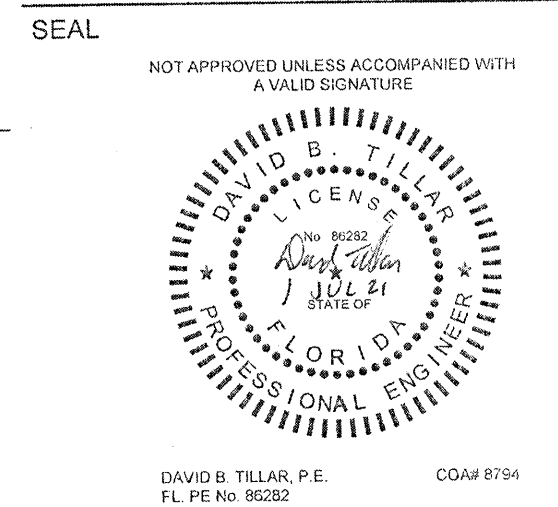
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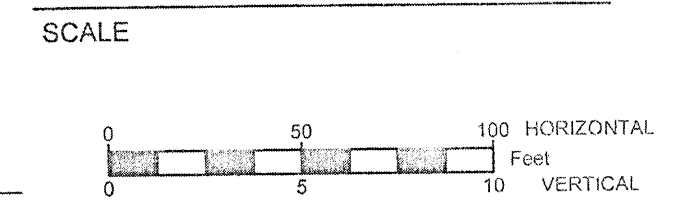
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ANHINGA STREET PROFILE



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ROADWAY PLAN  
AND PROFILE

PROJECT NO. 50128595

C406

SHEET NO.



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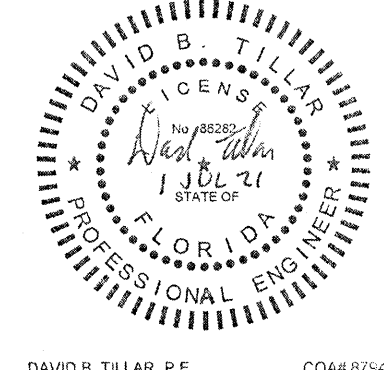
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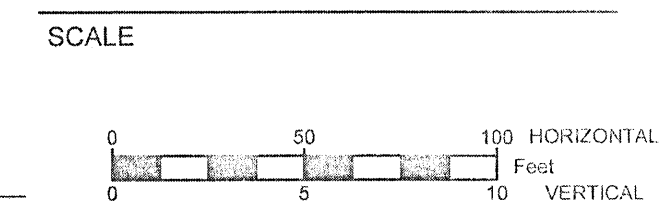
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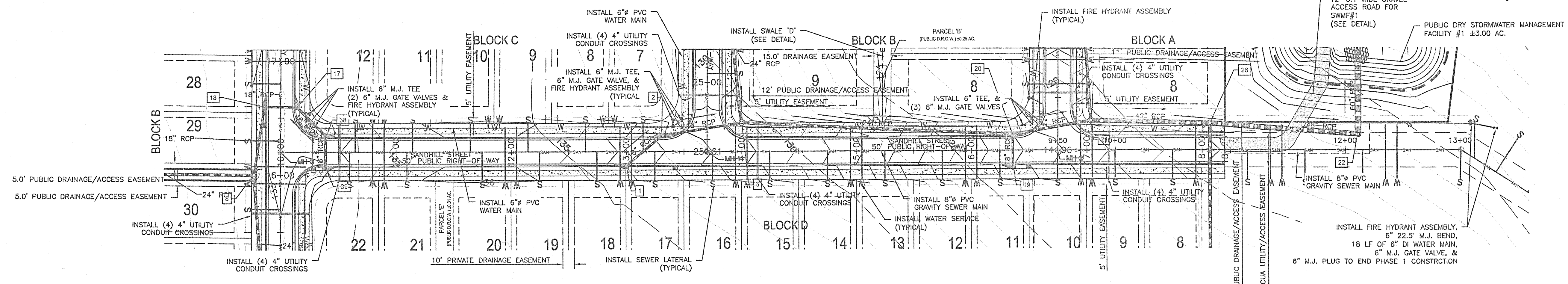
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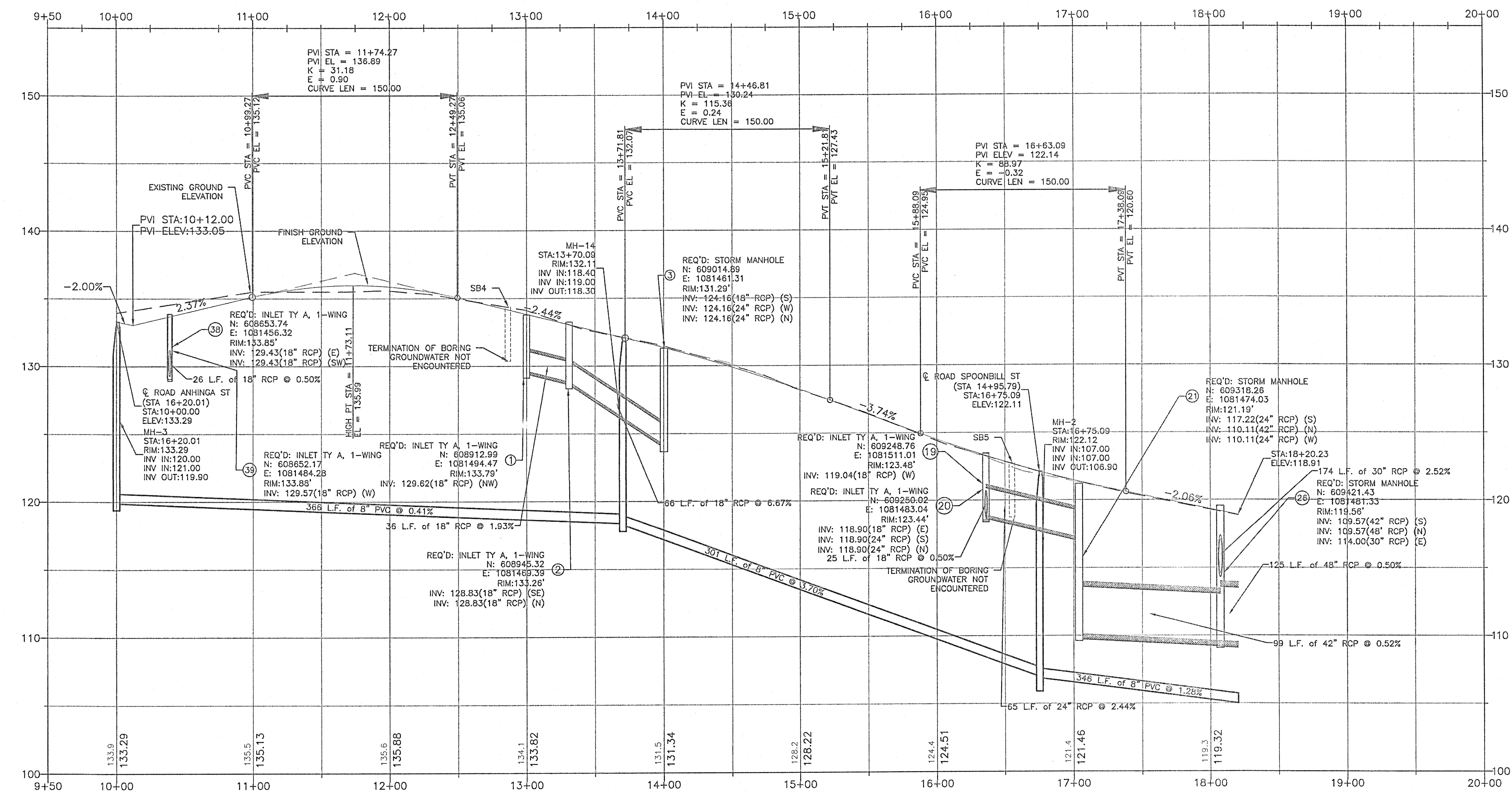
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C408

SHEET NO.



SANDHILL STREET PLAN



SANDHILL STREET PROFILE

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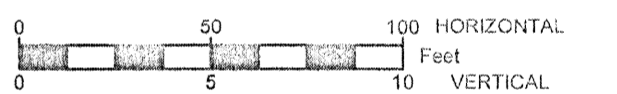


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FL PE No. 85282

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DATE OCTOBER 2020

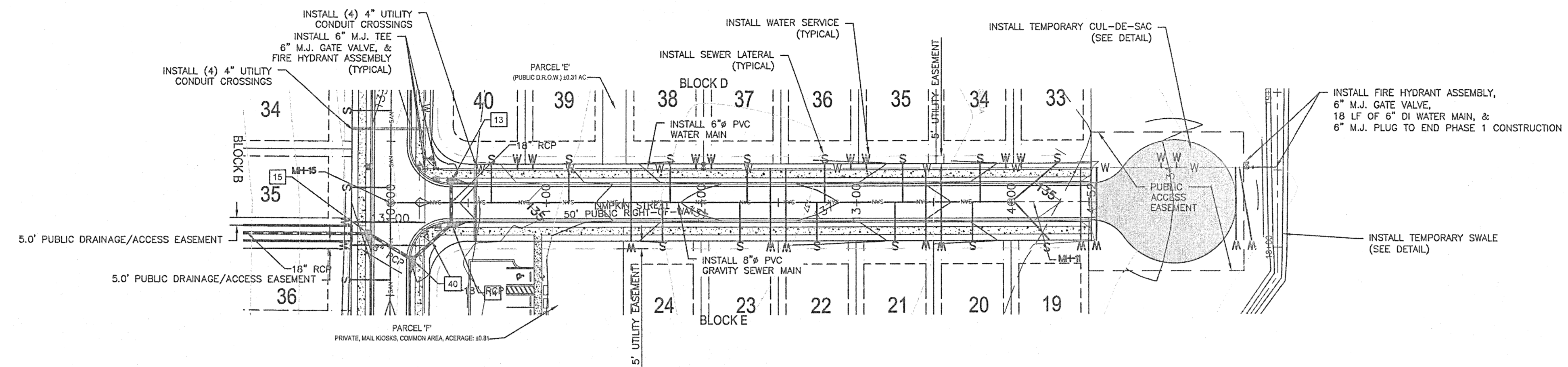
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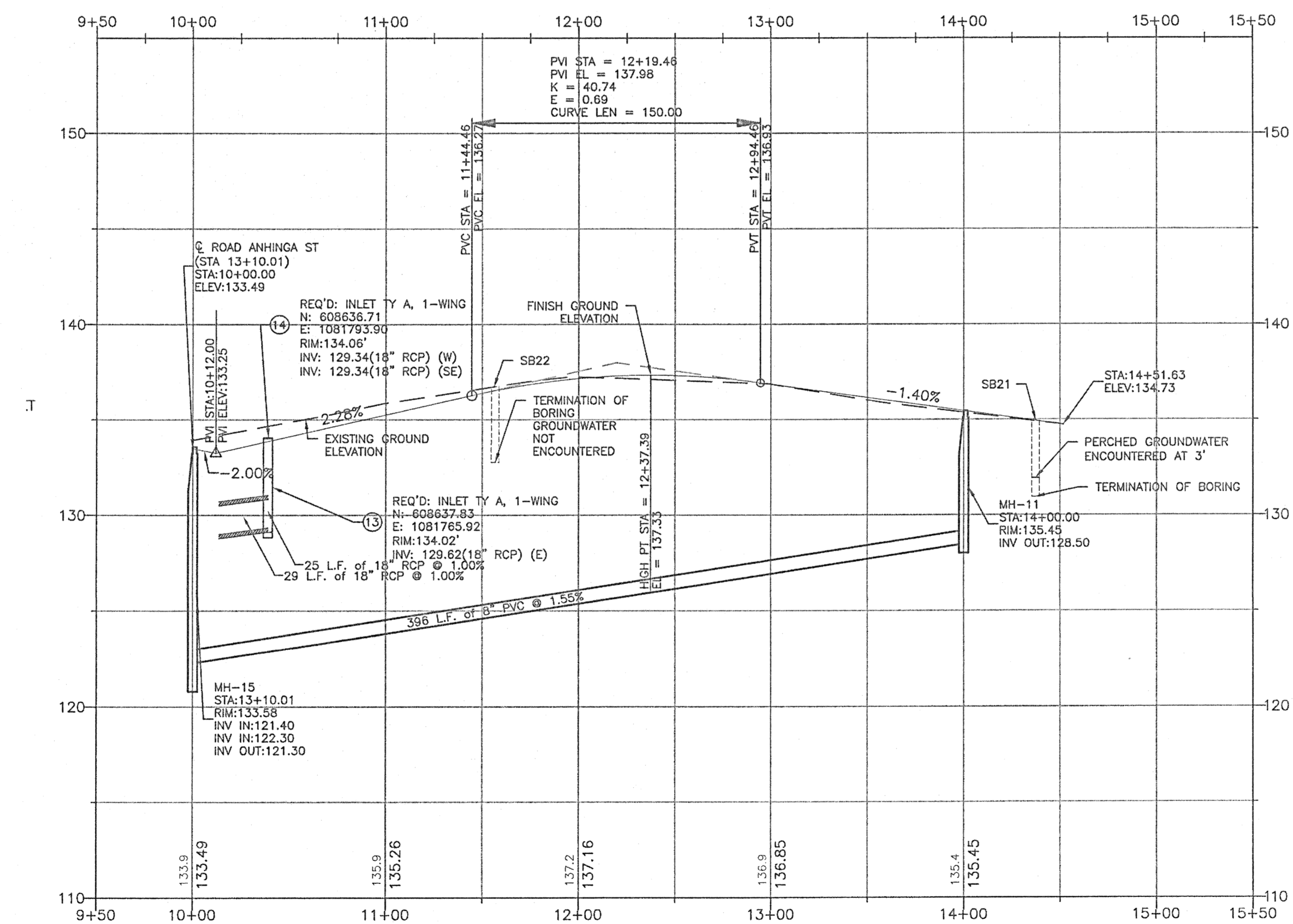
PROJECT NO. 50128595

C409

SHEET NO.



LIMPKIN STREET PLAN



## LIMPKIN STREET PROFILE



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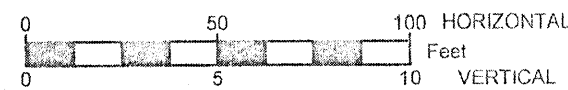


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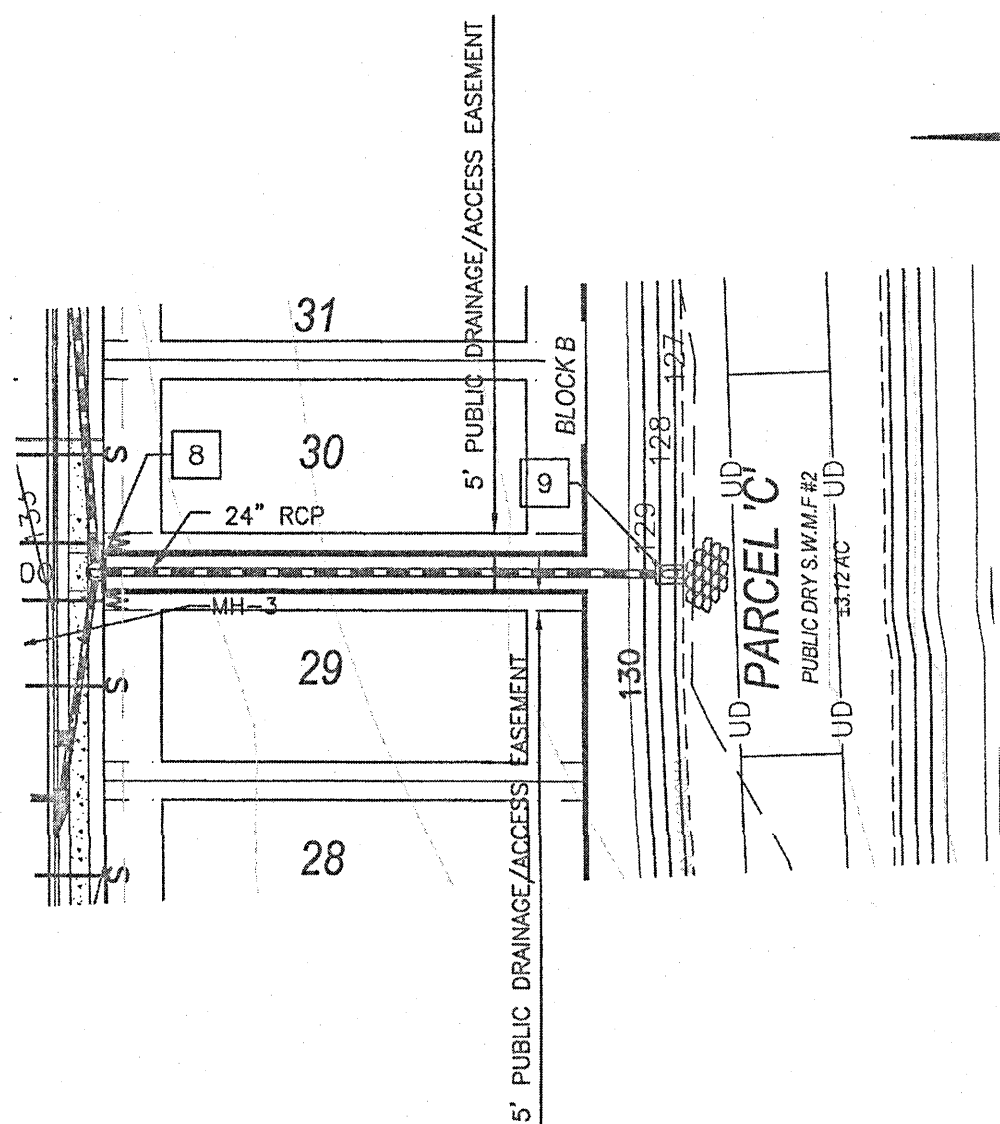
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STORM DRAINAGE  
PROFILE

PROJECT NO. 50128595

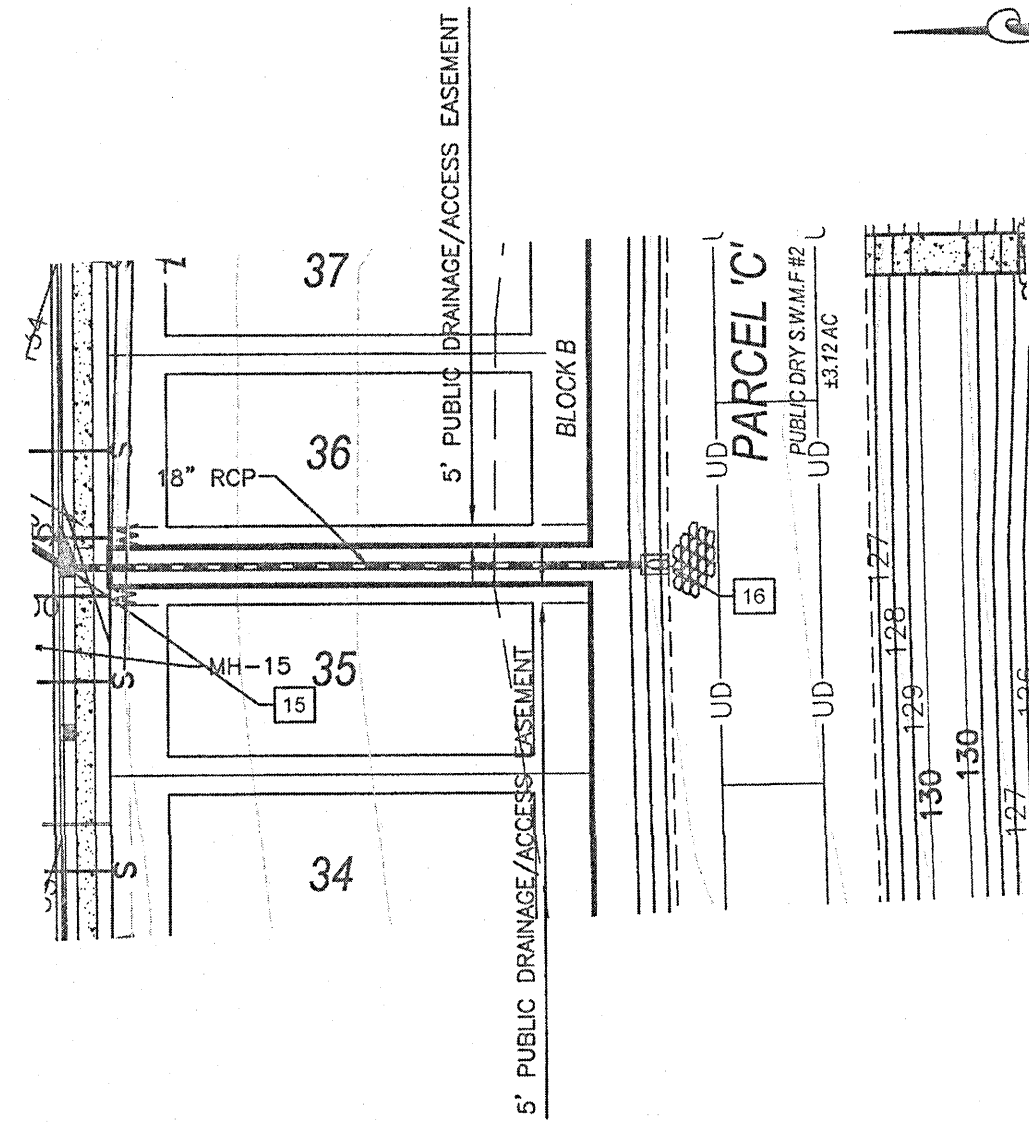
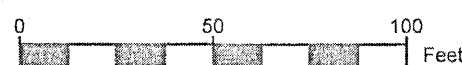
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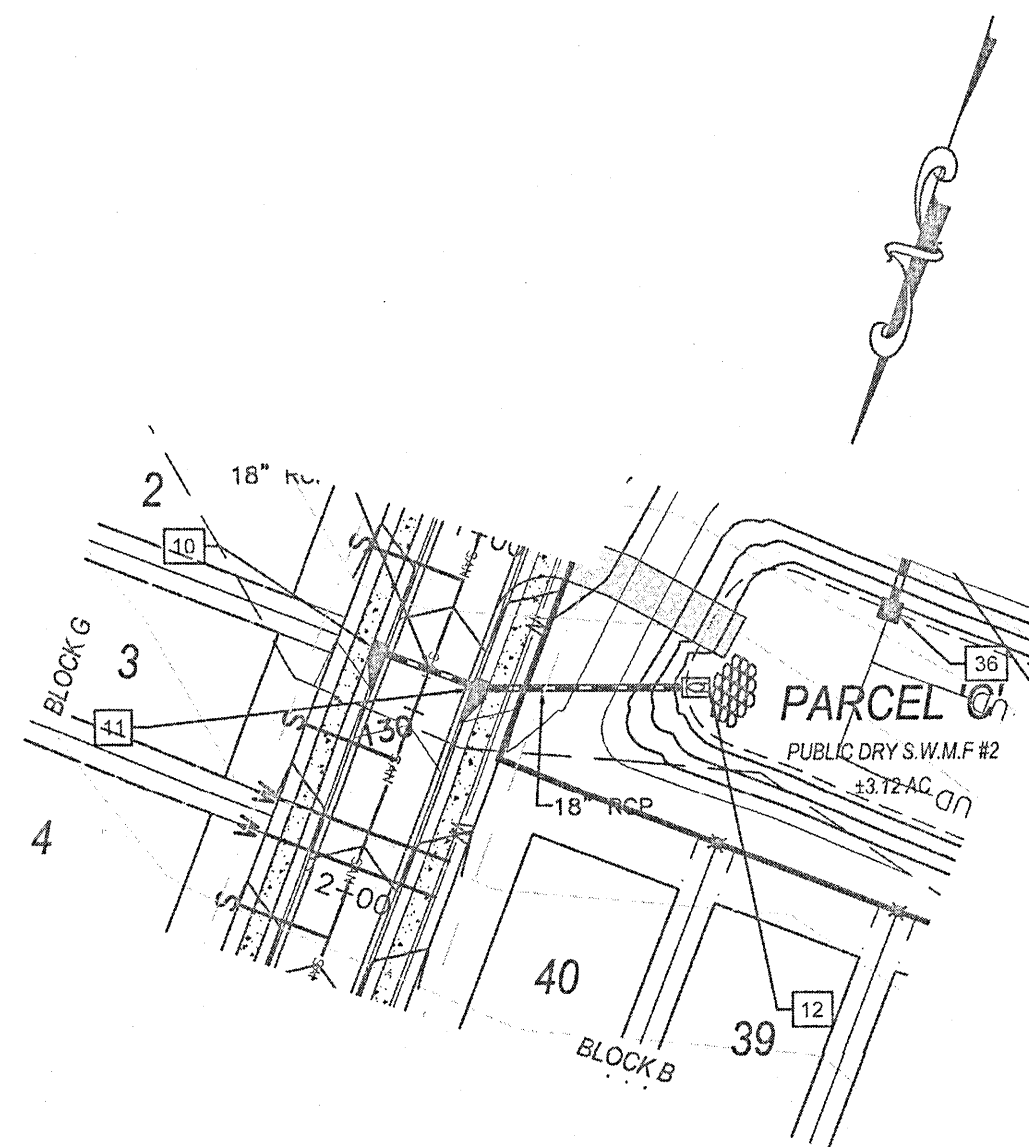
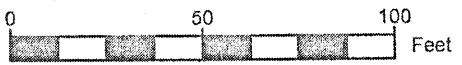
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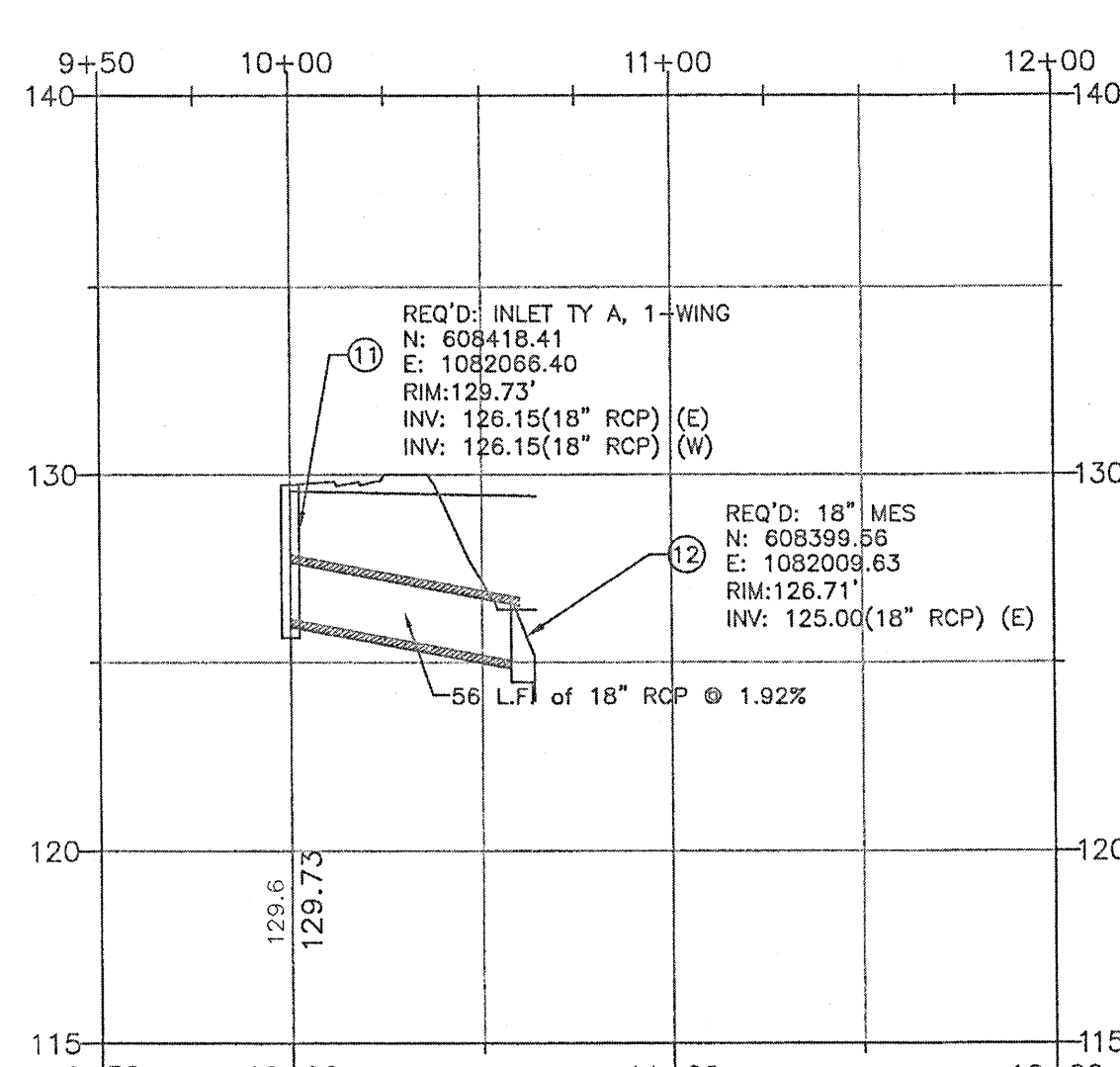
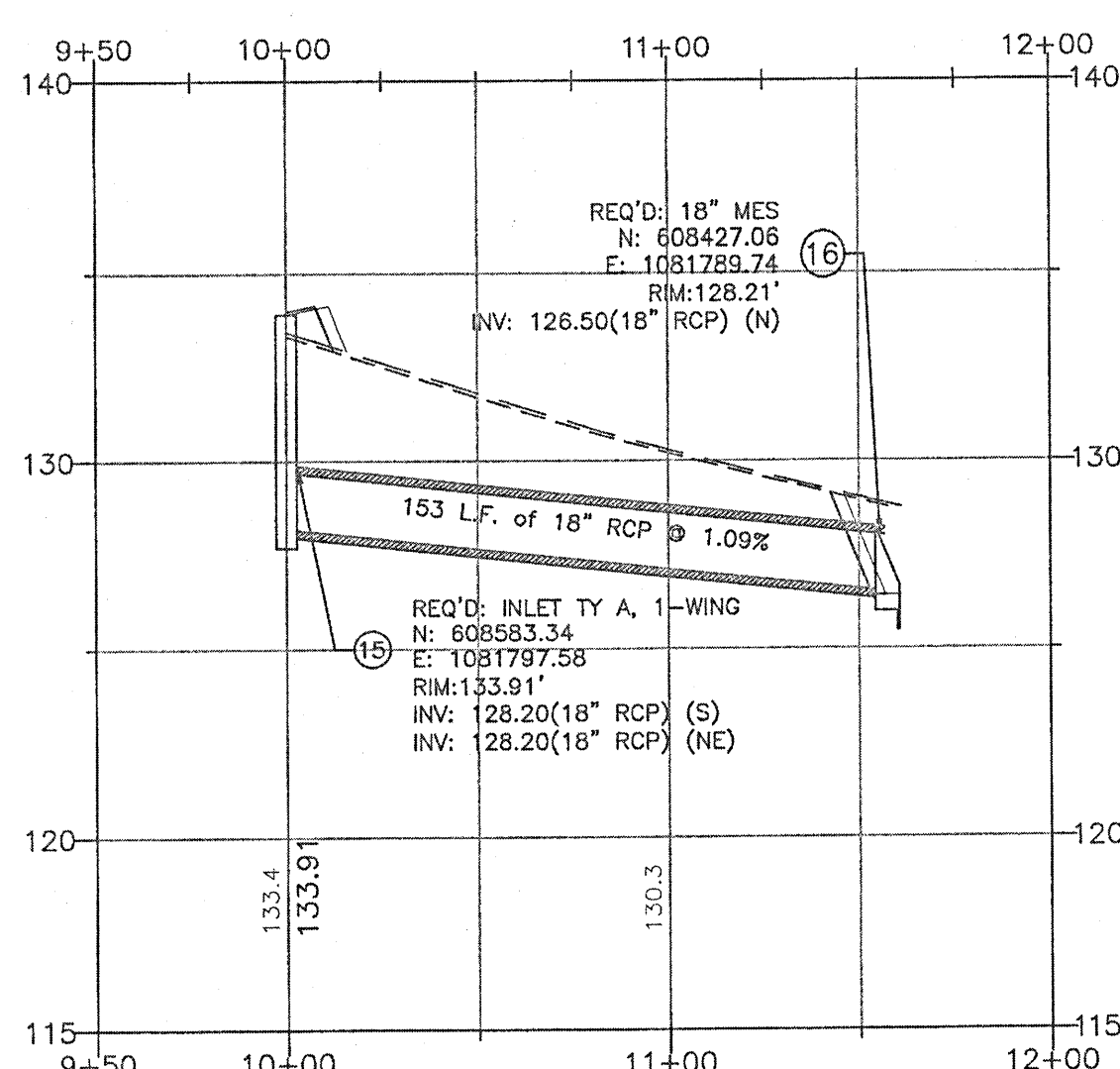
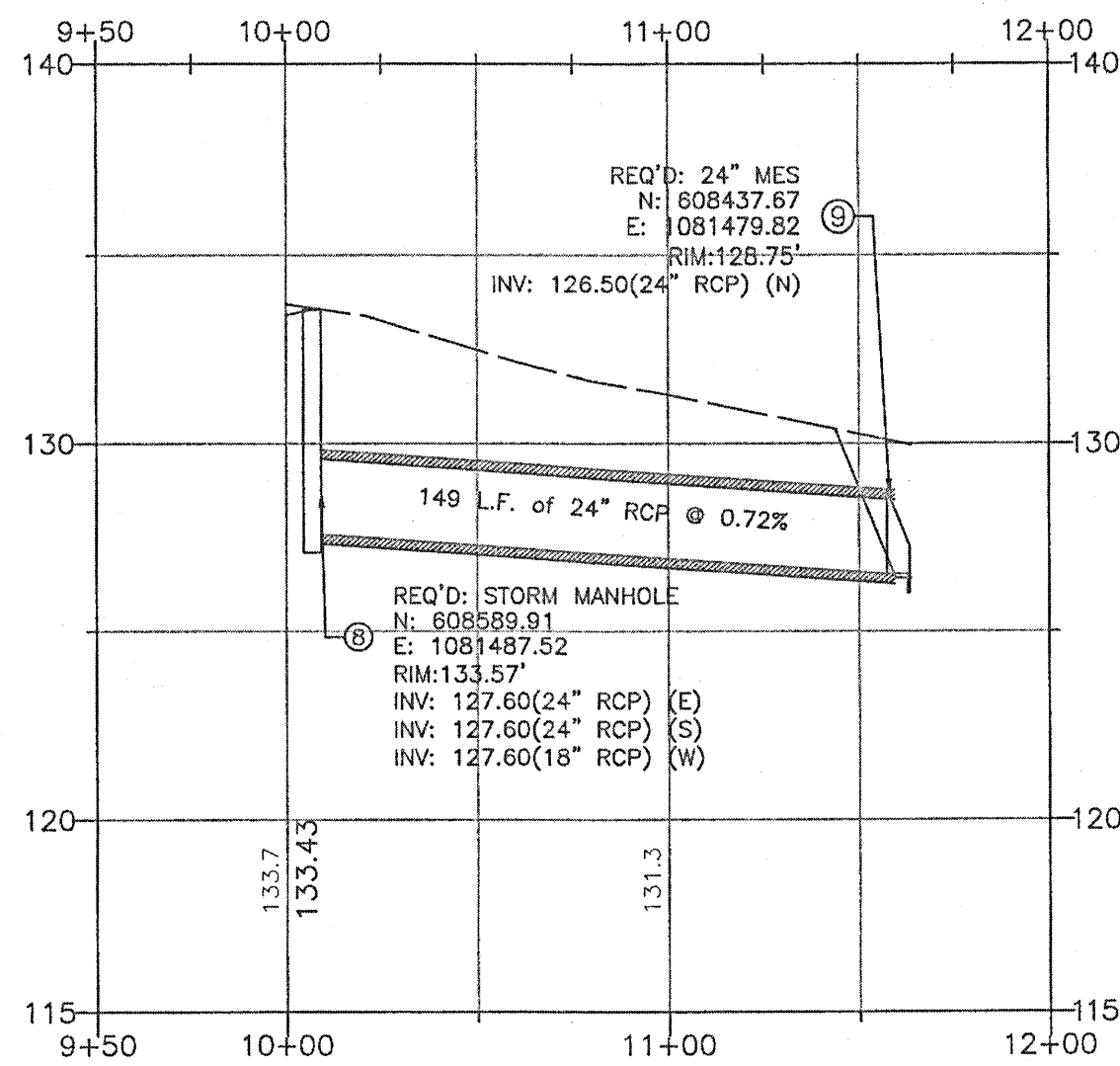
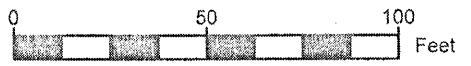
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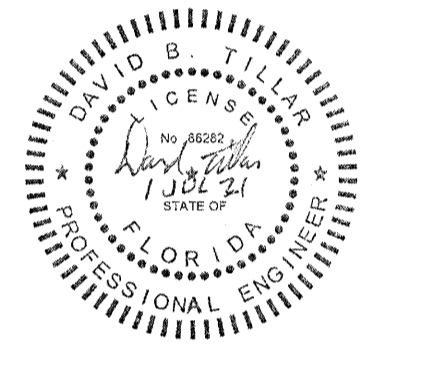
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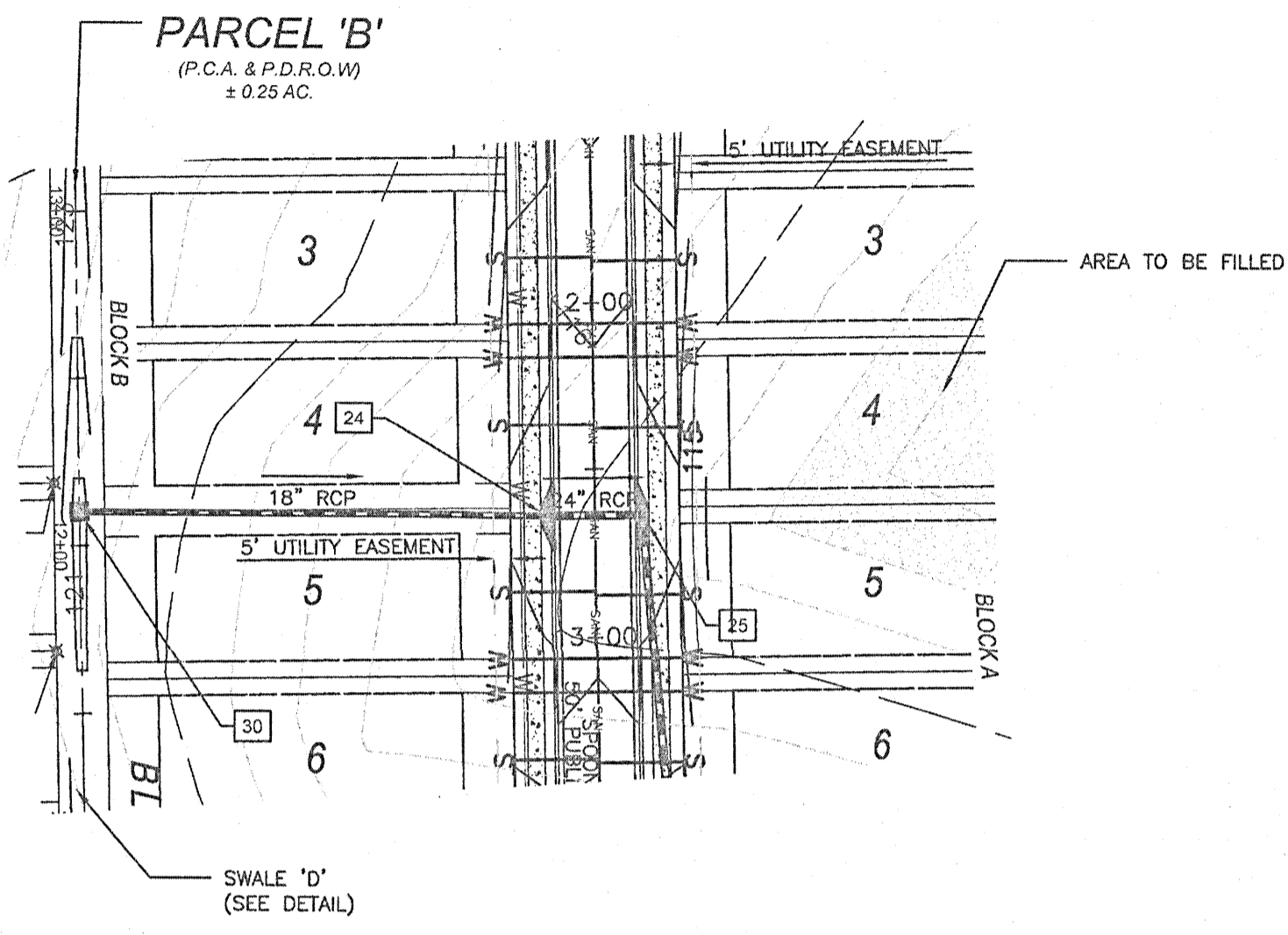
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STORM DRAINAGE  
PROFILE

PROJECT NO. 50128595

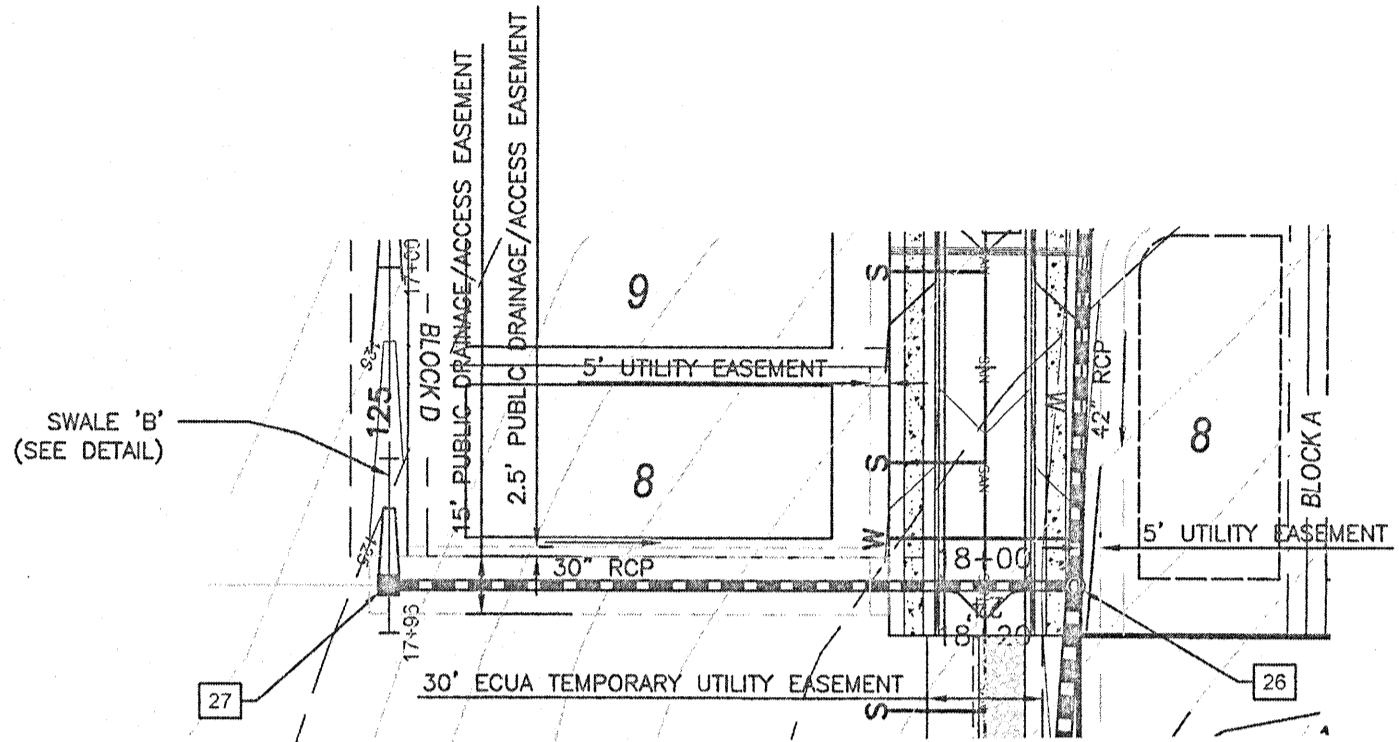
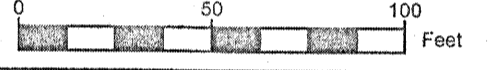
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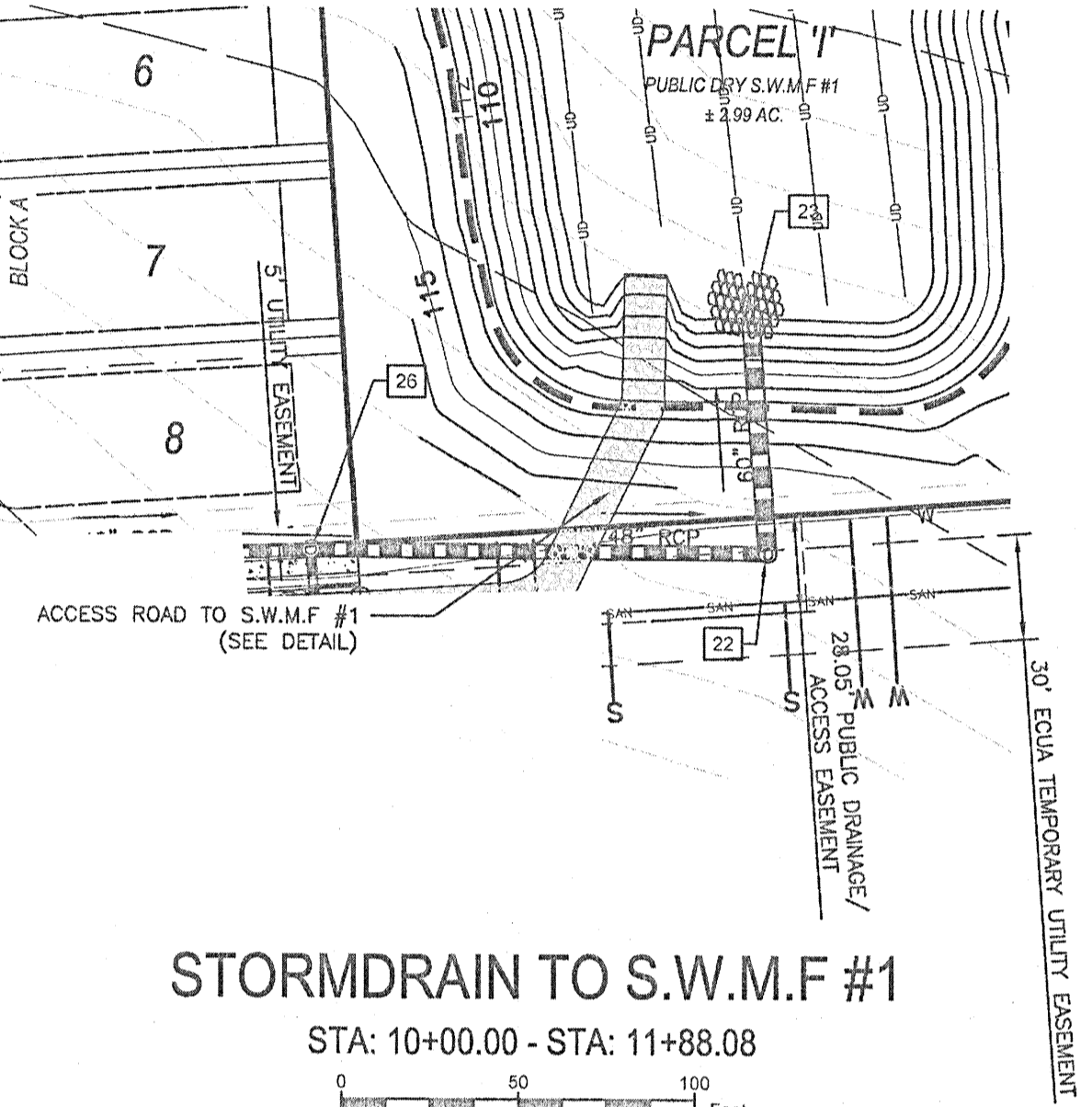
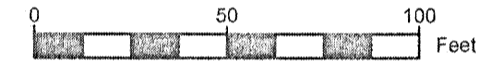
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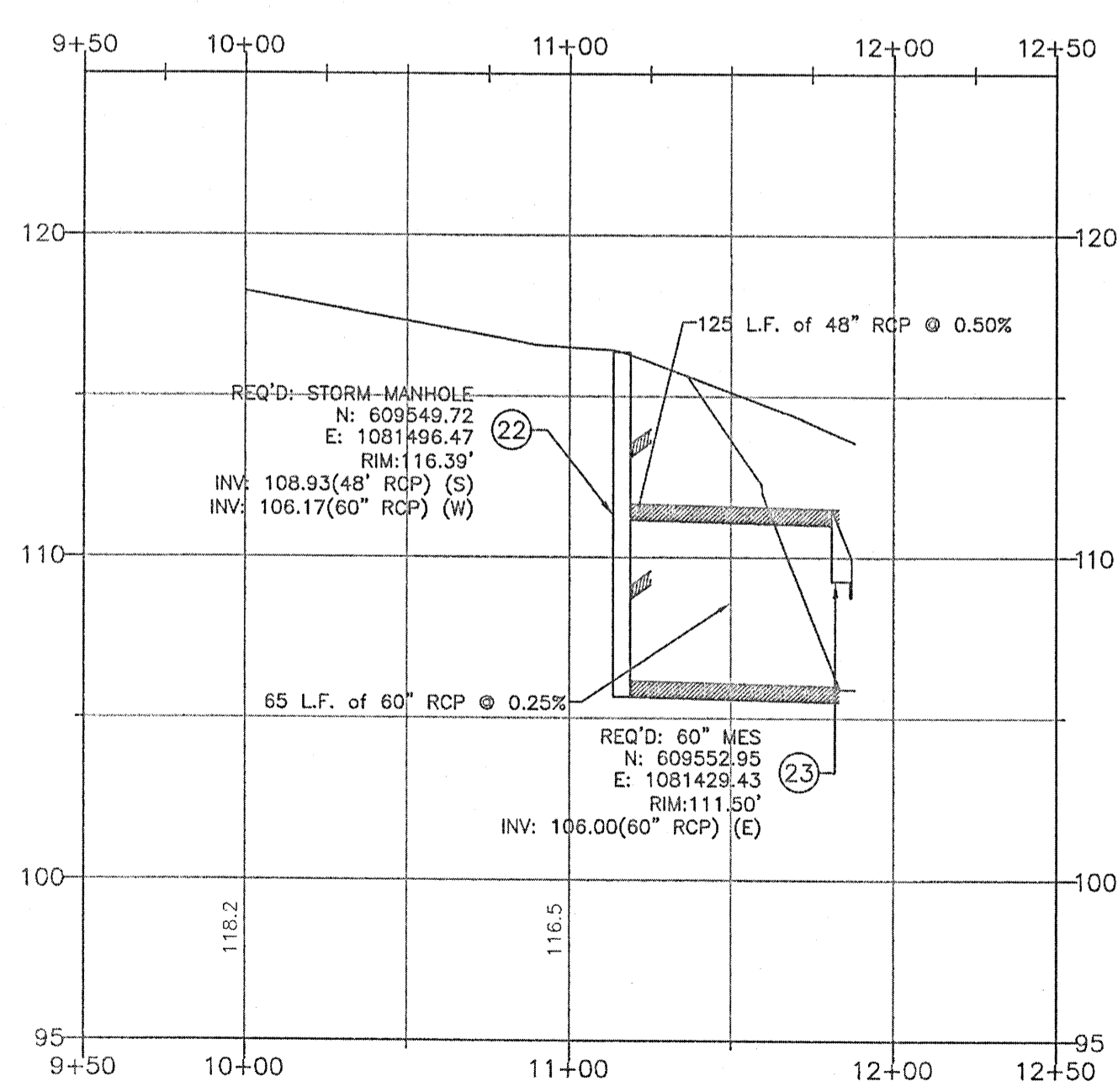
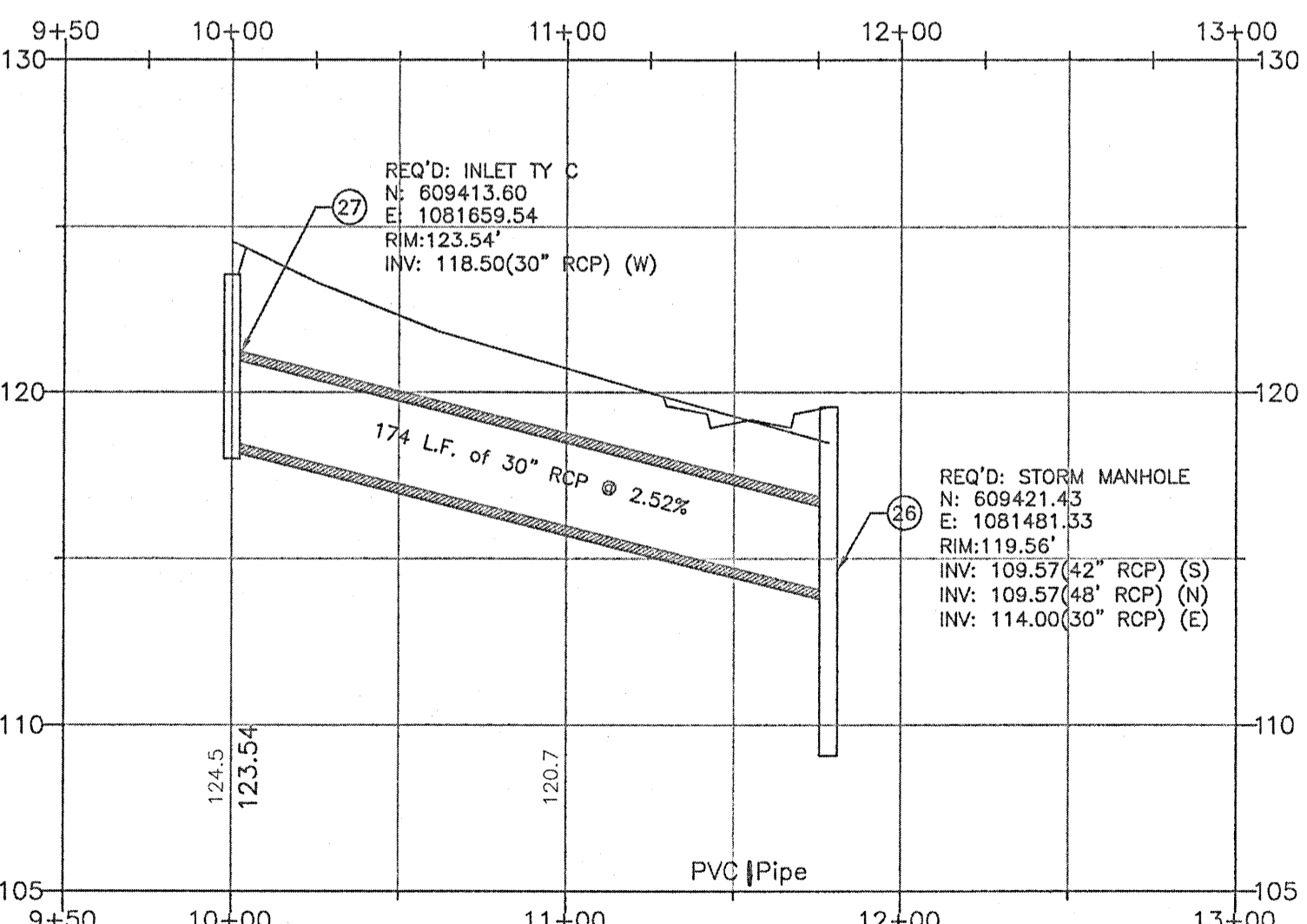
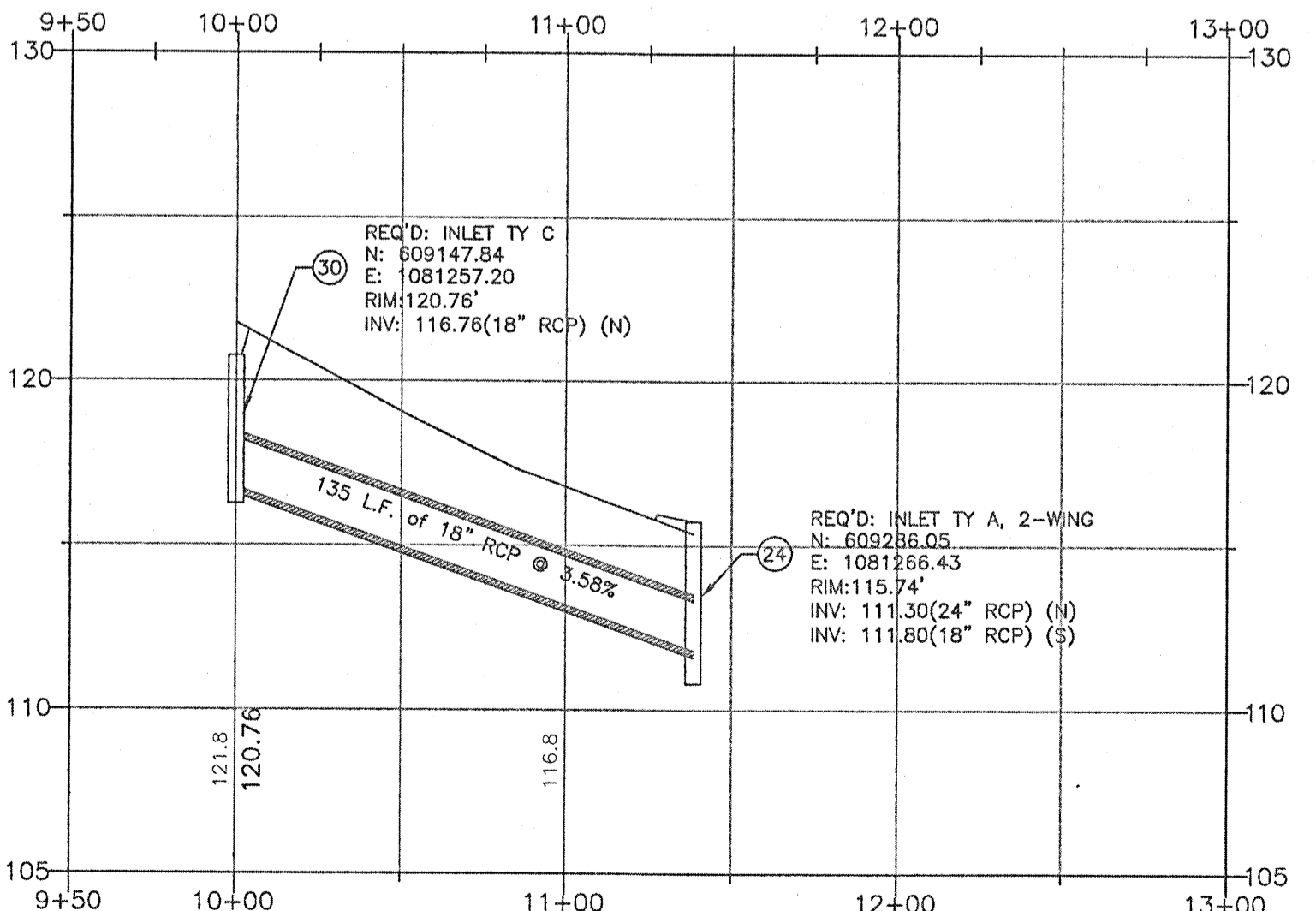
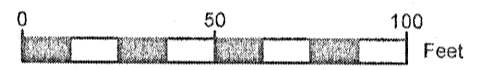
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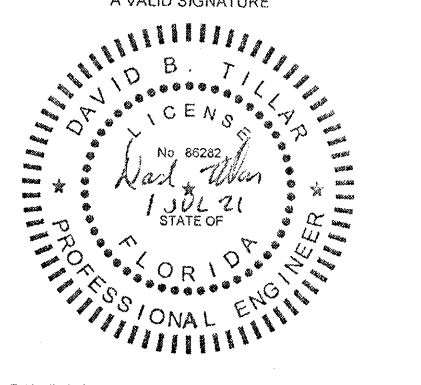


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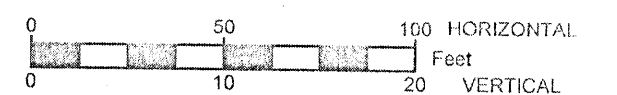
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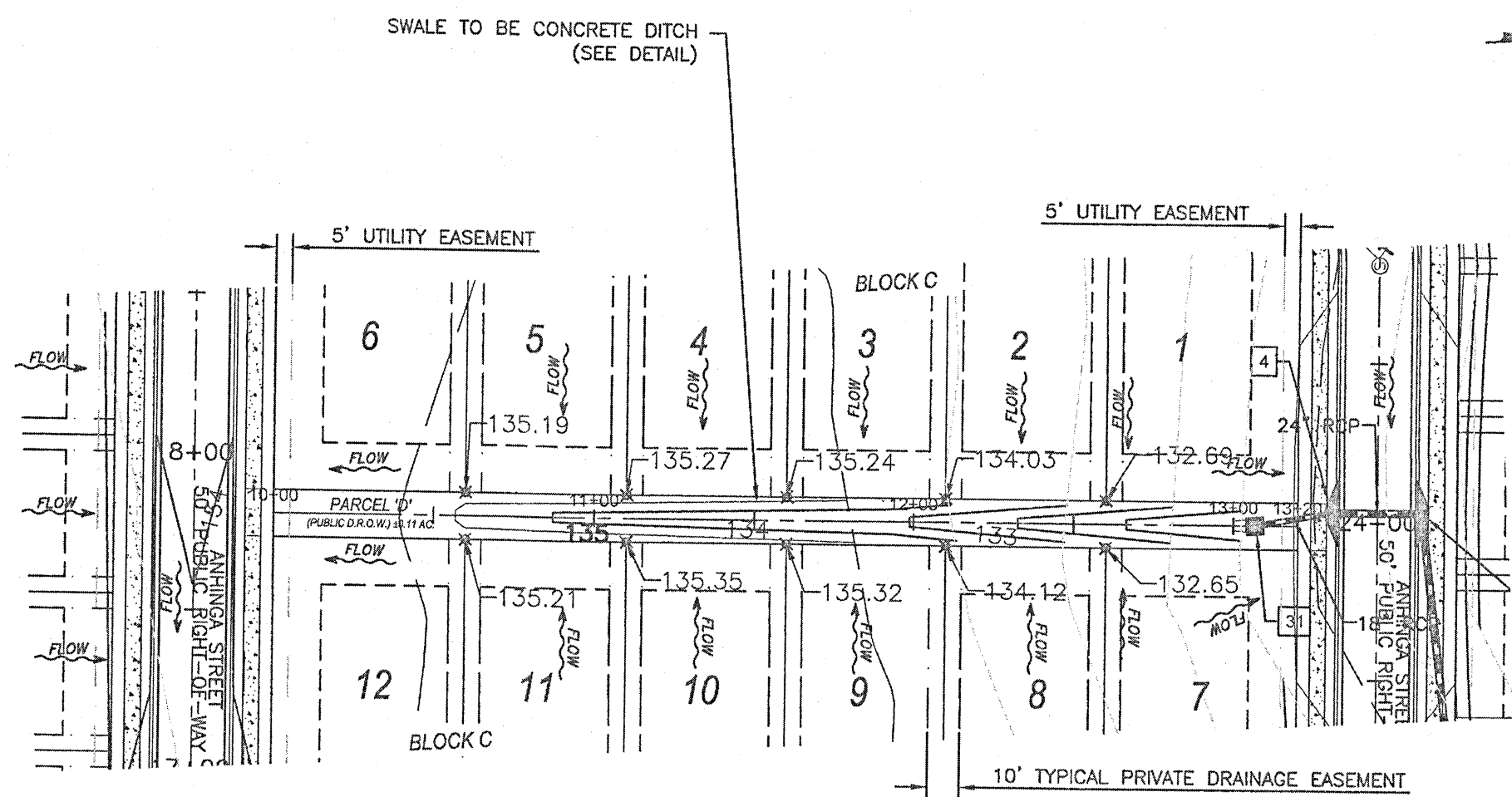
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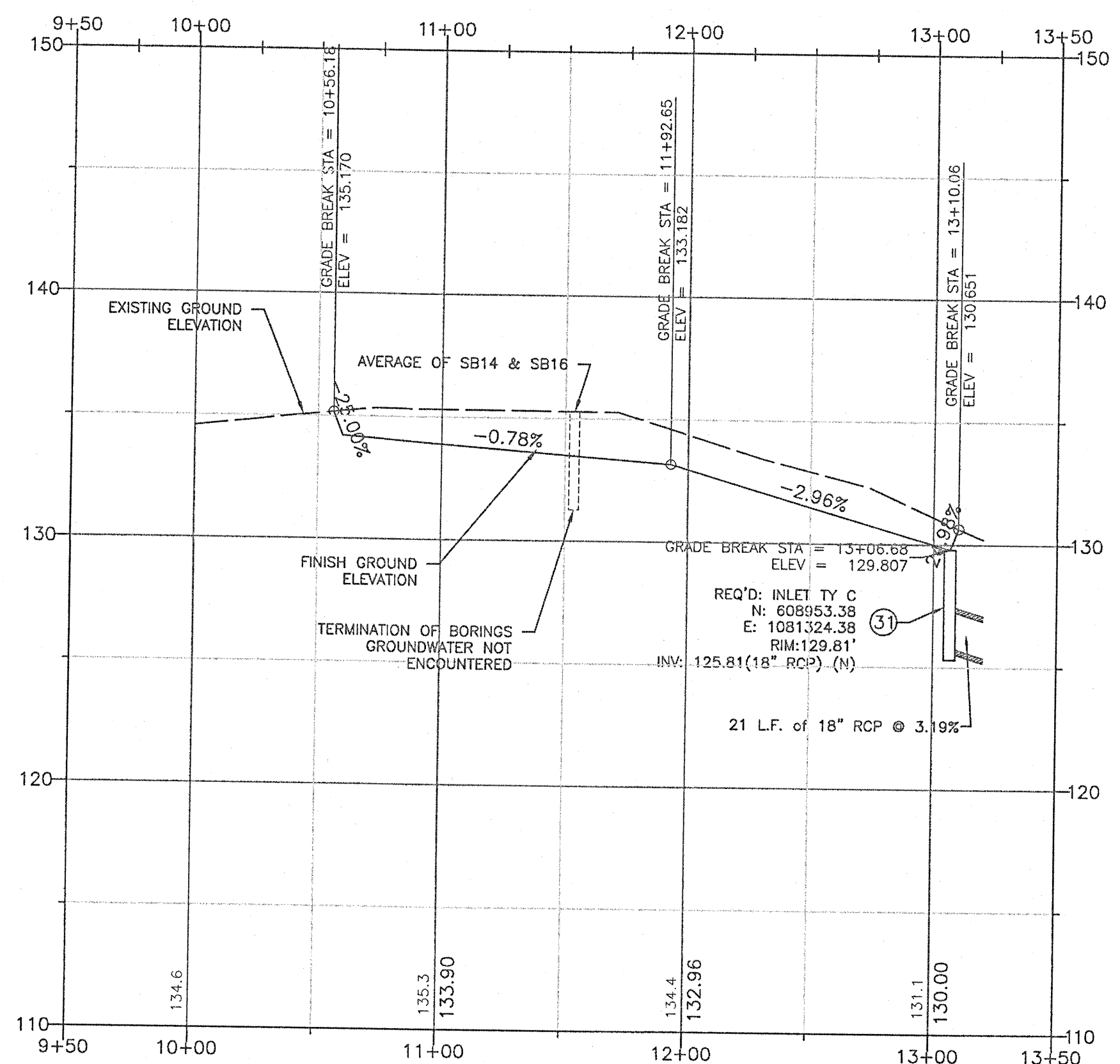
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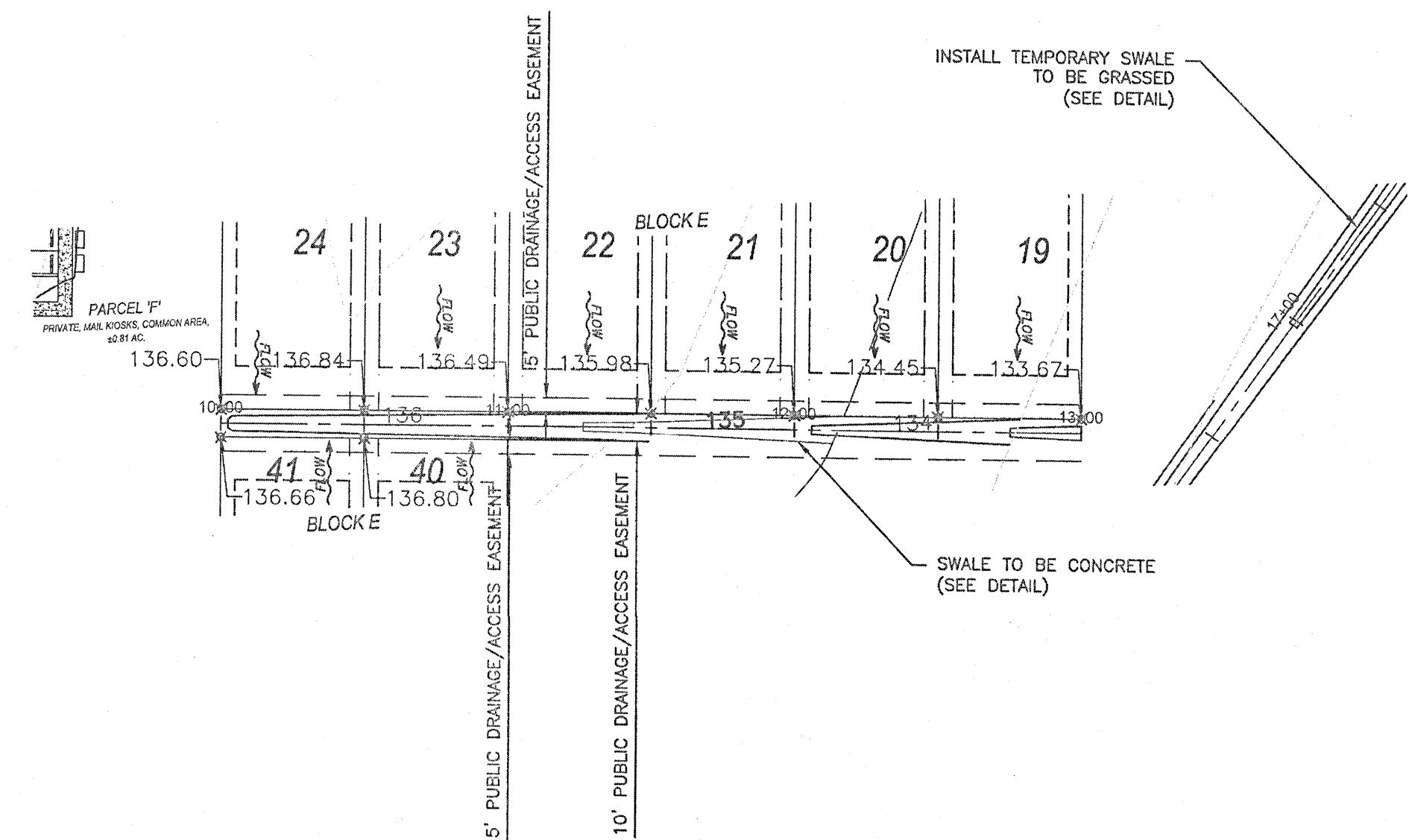
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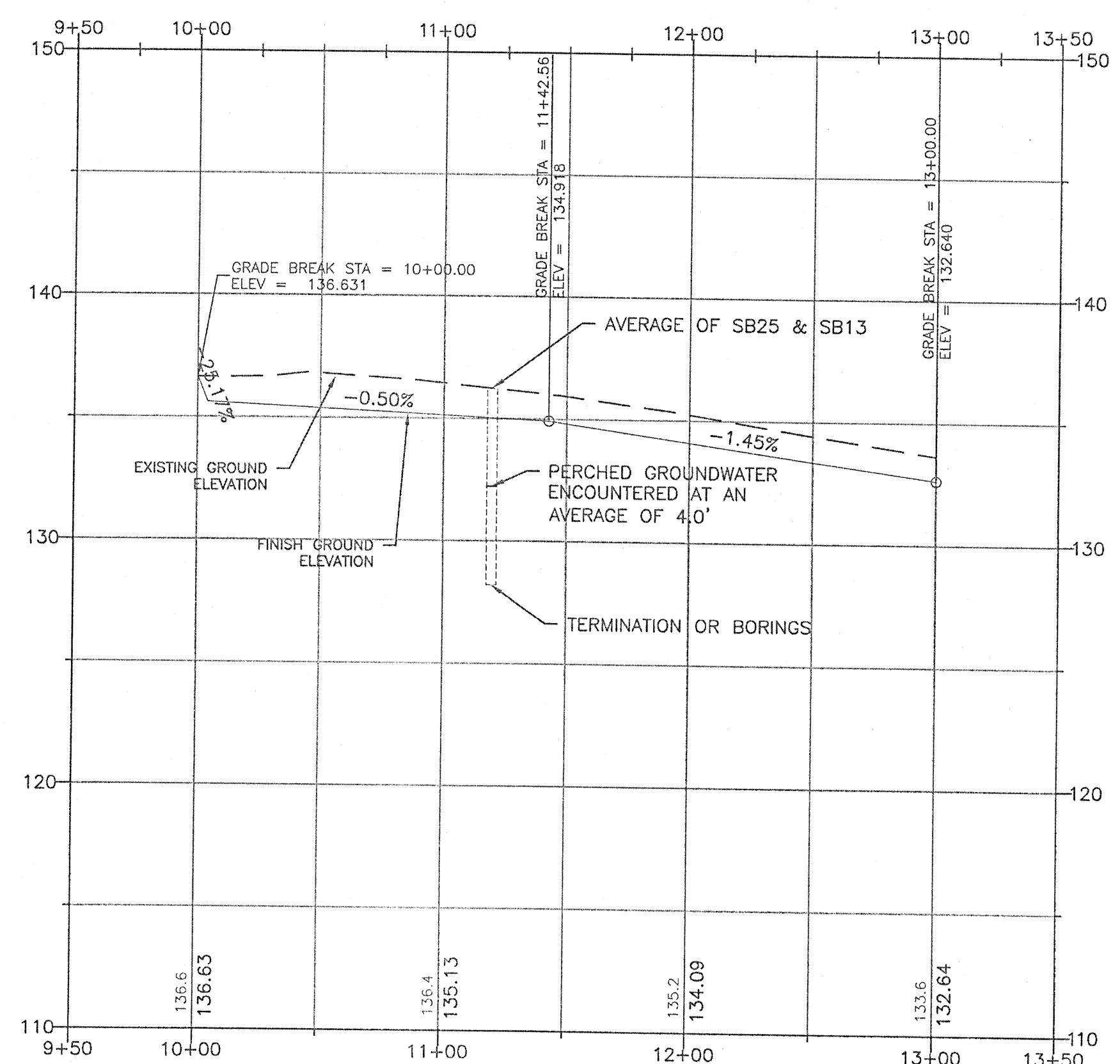
SWALE 'A' PLAN



SWALE 'A' PROFILE



SWALE 'C' PLAN



SWALE 'C' PROFILE

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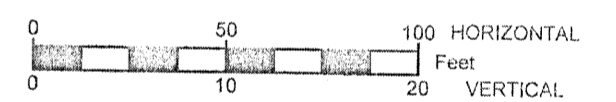


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DATE OCTOBER 2020

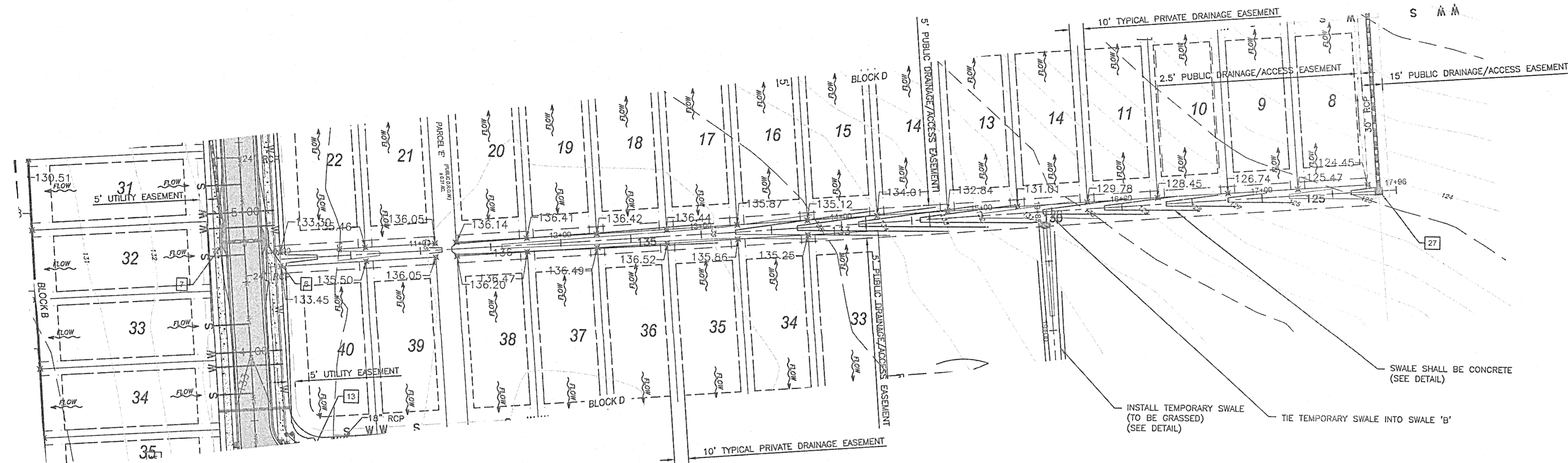
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## STORM DRAINAGE PROFILE

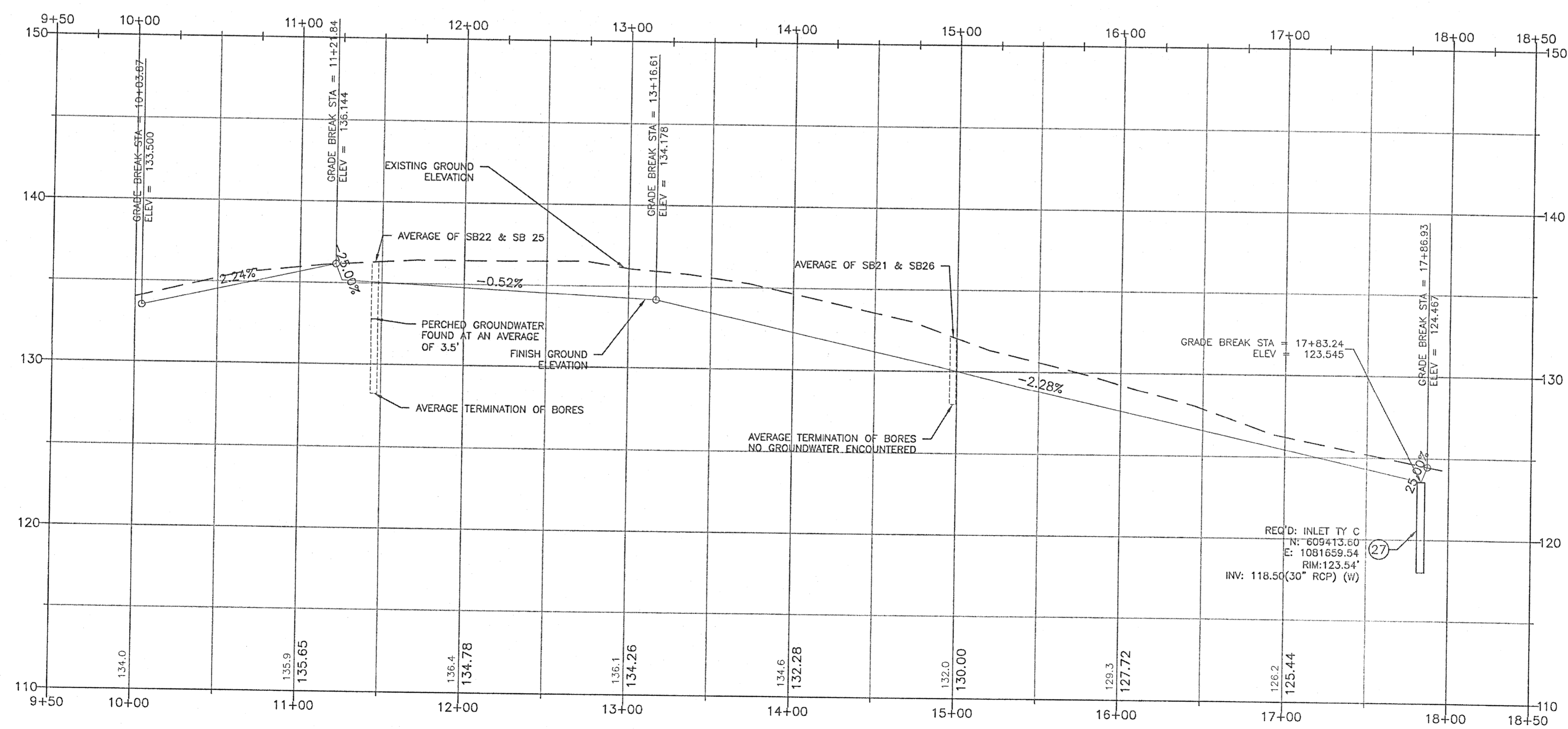
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SHEET NO.



SWALE 'B' PLAN



SWALE 'B' PROFILE



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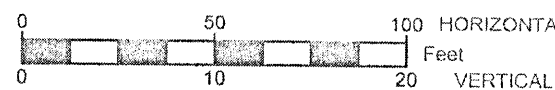


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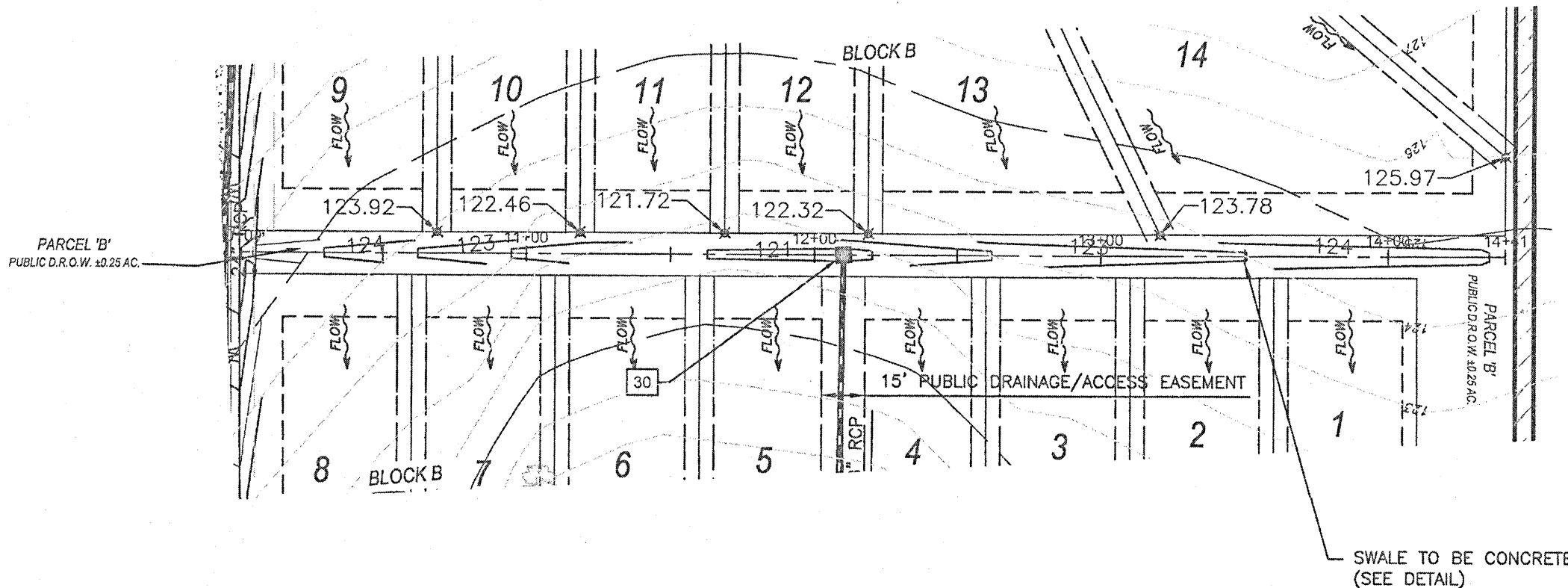
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STORM DRAINAGE  
PROFILE

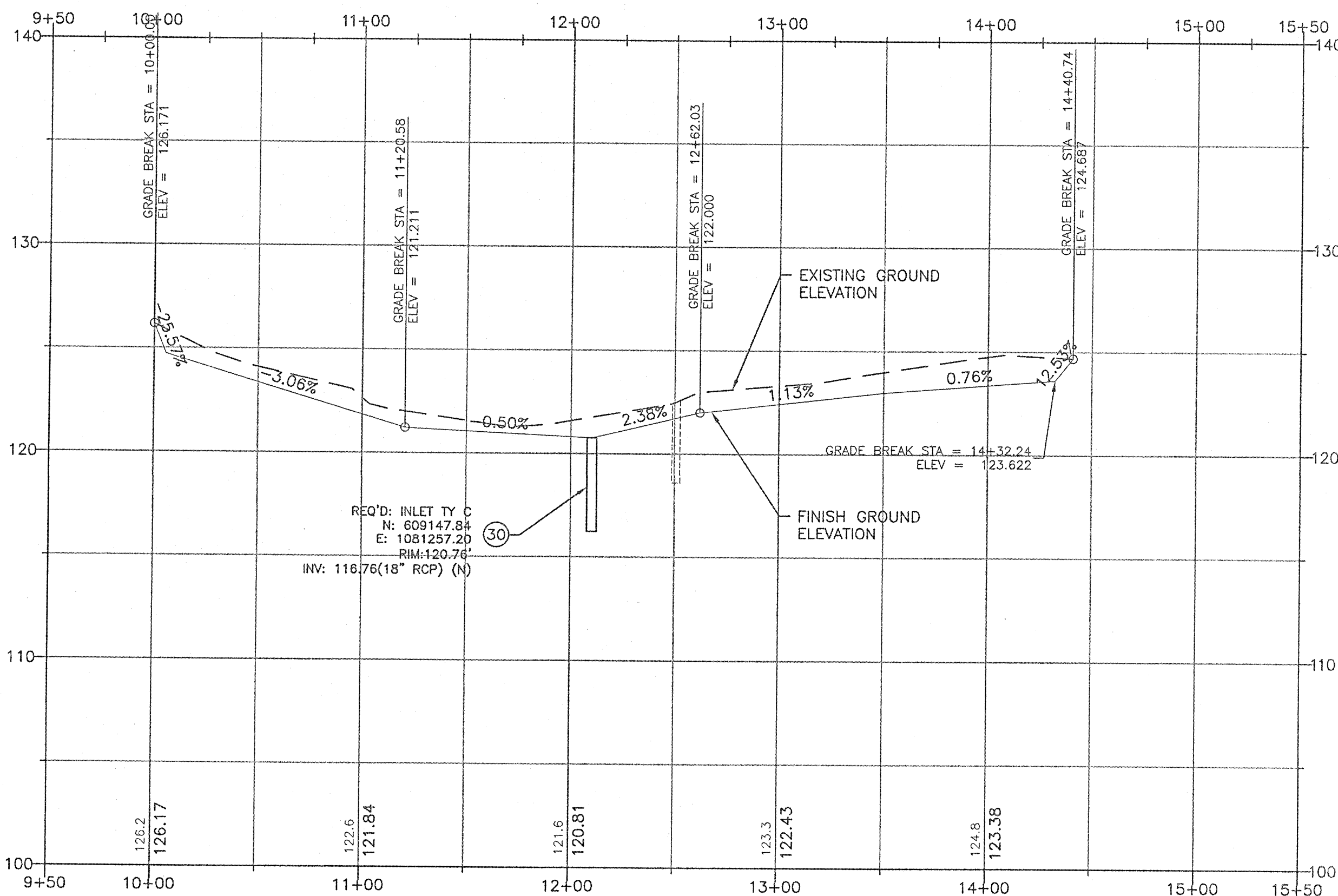
PROJECT NO. 50126595

C422

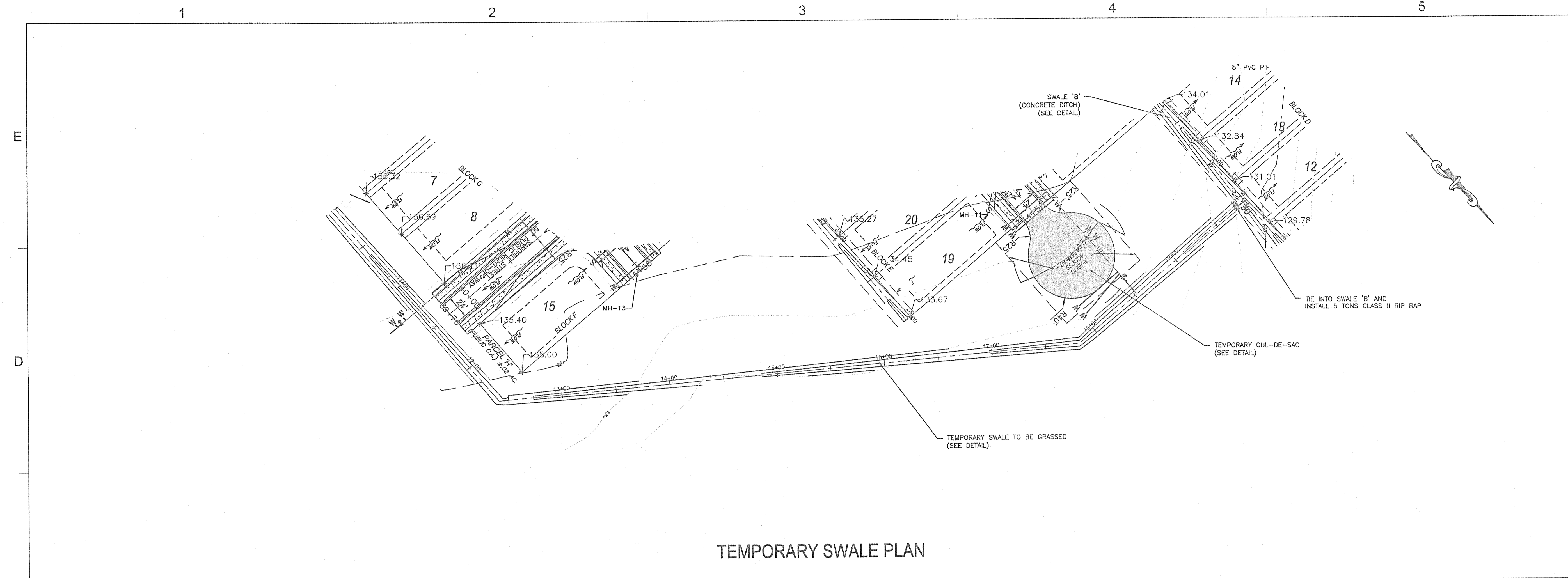
SHEET NO.



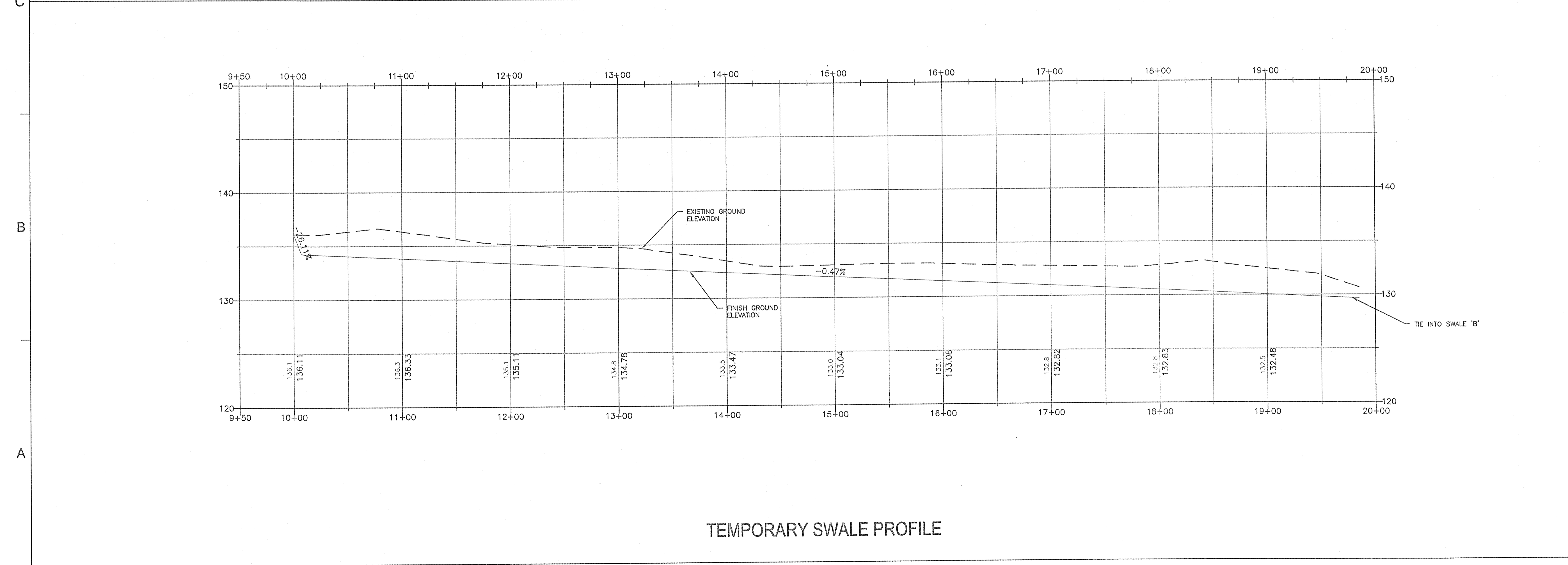
SWALE 'D' PLAN




SWALE 'D' PROFILE



TEMPORARY SWALE PLAN



TEMPORARY SWALE PROFILE



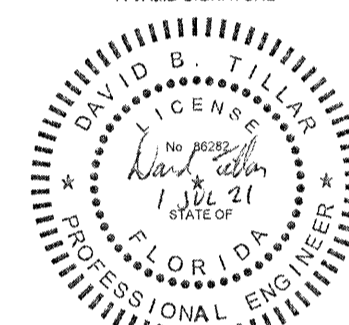
Dewberry Engineers Inc.  
25353 Friendship Road  
Daphne, AL 36526

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ESCAMBIA COUNTY, FLORIDA

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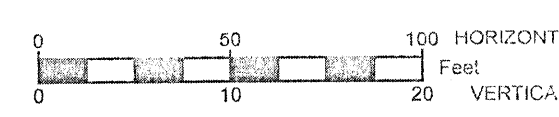


DAVID B. TILLAR, P.E.  
FL. PE. NO. 88282

CDNF 8704

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CHECKED BY: JMB  
DATE: OCTOBER 2020

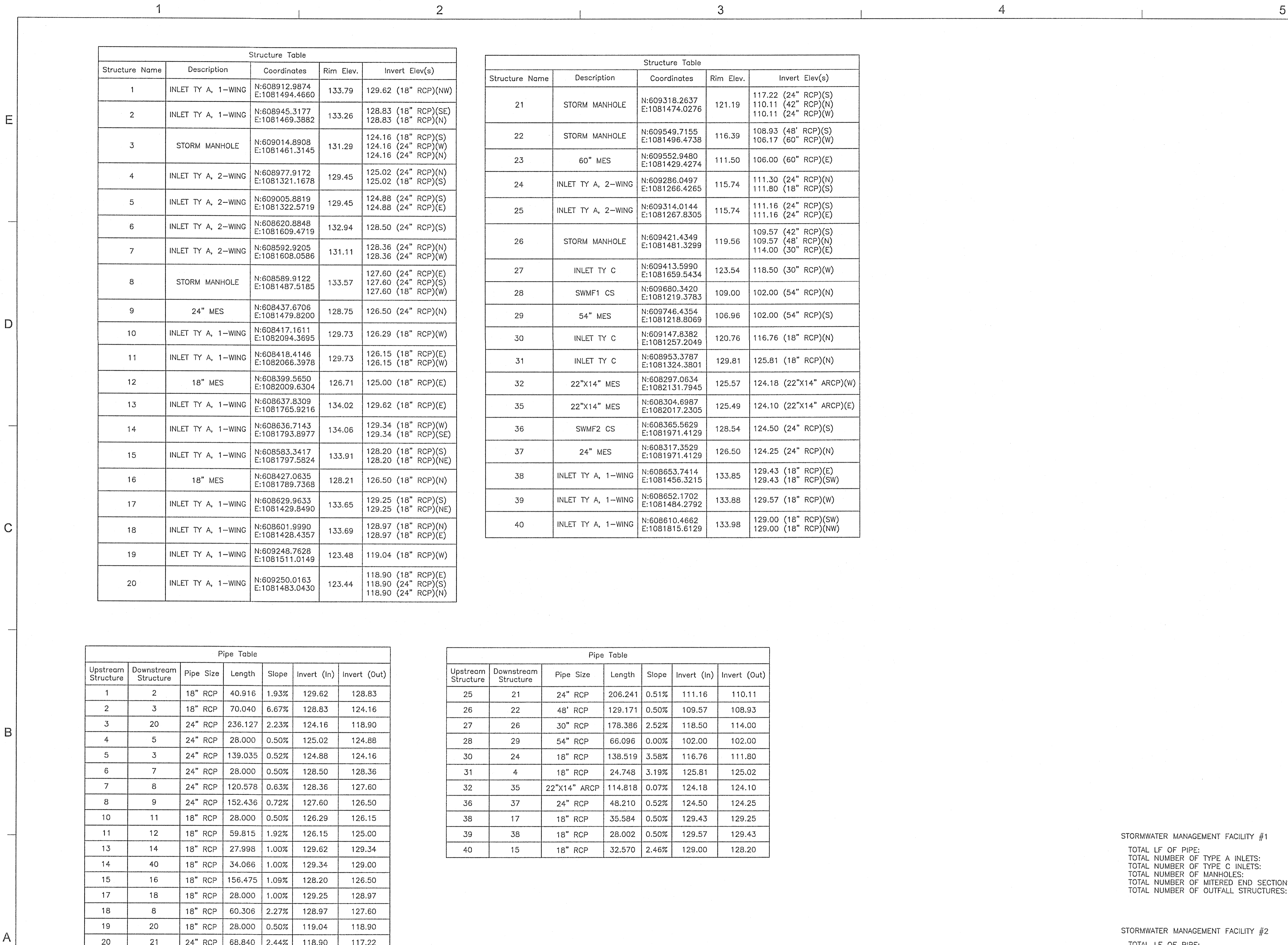
TITLE

**STORM DRAINAGE  
PROFILE**

PROJECT NO. 50128595

**C424**

SHEET NO.



Structure Table				
Structure Name	Description	Coordinates	Rim Elev.	Invert Elev(s)
1	INLET TY A, 1-WING	N:608912.9874 E:1081494.4660	133.79	129.62 (18" RCP)(NW)
2	INLET TY A, 1-WING	N:608945.3177 E:1081469.3882	133.26	128.83 (18" RCP)(SE) 128.83 (18" RCP)(N)
3	STORM MANHOLE	N:609014.8908 E:1081461.3145	131.29	124.16 (18" RCP)(S) 124.16 (24" RCP)(W) 124.16 (24" RCP)(N)
4	INLET TY A, 2-WING	N:608977.9172 E:1081321.1678	129.45	125.02 (24" RCP)(N) 125.02 (18" RCP)(S)
5	INLET TY A, 2-WING	N:609005.8819 E:1081322.5719	129.45	124.88 (24" RCP)(S) 124.88 (24" RCP)(E)
6	INLET TY A, 2-WING	N:608620.8848 E:1081609.4719	132.94	128.50 (24" RCP)(S)
7	INLET TY A, 2-WING	N:608592.9205 E:1081608.0586	131.11	128.36 (24" RCP)(N) 128.36 (24" RCP)(W)
8	STORM MANHOLE	N:608589.9122 E:1081487.5185	133.57	127.60 (24" RCP)(E) 127.60 (24" RCP)(S) 127.60 (18" RCP)(W)
9	24" MES	N:608437.6706 E:1081479.8200	128.75	126.50 (24" RCP)(N)
10	INLET TY A, 1-WING	N:608417.1611 E:1082094.3695	129.73	126.29 (18" RCP)(W)
11	INLET TY A, 1-WING	N:608418.4146 E:1082066.3978	129.73	126.15 (18" RCP)(E) 126.15 (18" RCP)(W)
12	18" MES	N:608399.5650 E:1082009.6304	126.71	125.00 (18" RCP)(E)
13	INLET TY A, 1-WING	N:608637.8309 E:1081765.9216	134.02	129.62 (18" RCP)(E)
14	INLET TY A, 1-WING	N:608636.7143 E:1081793.8977	134.06	129.34 (18" RCP)(W) 129.34 (18" RCP)(SE)
15	INLET TY A, 1-WING	N:608583.3417 E:1081797.5824	133.91	128.20 (18" RCP)(S) 128.20 (18" RCP)(NE)
16	18" MES	N:608427.0635 E:1081789.7368	128.21	126.50 (18" RCP)(N)
17	INLET TY A, 1-WING	N:608629.9633 E:1081429.8490	133.65	129.25 (18" RCP)(S) 129.25 (18" RCP)(NE)
18	INLET TY A, 1-WING	N:608601.9990 E:1081428.4357	133.69	128.97 (18" RCP)(N) 128.97 (18" RCP)(E)
19	INLET TY A, 1-WING	N:609248.7628 E:1081511.0149	123.48	119.04 (18" RCP)(W)
20	INLET TY A, 1-WING	N:609250.0163 E:1081483.0430	123.44	118.90 (18" RCP)(E) 118.90 (24" RCP)(S) 118.90 (24" RCP)(W)

Pipe Table						
Upstream Structure	Downstream Structure	Pipe Size	Length	Slope	Invert (In)	Invert (Out)
1	2	18" RCP	40.916	1.93%	129.62	128.83
2	3	18" RCP	70.040	6.67%	128.83	124.16
3	20	24" RCP	236.127	2.23%	124.16	118.90
4	5	24" RCP	28.000	0.50%	125.02	124.88
5	3	24" RCP	139.035	0.52%	124.88	124.16
6	7	24" RCP	28.000	0.50%	128.50	128.36
7	8	24" RCP	120.578	0.63%	128.36	127.60
8	9	24" RCP	152.436	0.72%	127.60	126.50
10	11	18" RCP	28.000	0.50%	126.29	126.15
11	12	18" RCP	59.815	1.92%	126.15	125.00
13	14	18" RCP	27.998	1.00%	129.62	129.34
14	40	18" RCP	34.066	1.00%	129.34	129.00
15	16	18" RCP	156.475	1.09%	128.20	126.50
17	18	18" RCP	28.000	1.00%	129.25	128.97
18	8	18" RCP	60.306	2.27%	128.97	127.60
19	20	18" RCP	28.000	0.50%	119.04	118.90
20	21	24" RCP	68.840	2.44%	118.90	117.22
21	26	42" RCP	103.429	0.52%	110.11	109.57
22	23	60" RCP	67.124	0.25%	106.17	106.00
24	25	24" RCP	28.000	0.50%	111.30	111.16

Structure Table				
Structure Name	Description	Coordinates	Rim Elev.	Invert Elev(s)
21	STORM MANHOLE	N:609318.2637 E:1081474.0276	121.19	117.22 (24" RCP)(S) 110.11 (42" RCP)(N) 110.11 (24" RCP)(W)
22	STORM MANHOLE	N:609549.7155 E:1081496.4738	116.39	108.93 (48" RCP)(S) 106.17 (60" RCP)(W)
23	60" MES	N:609552.9480 E:1081429.4274	111.50	106.00 (60" RCP)(E)
24	INLET TY A, 2-WING	N:609286.0497 E:1081266.4265	115.74	111.30 (24" RCP)(N) 111.80 (18" RCP)(S)
25	INLET TY A, 2-WING	N:609314.0144 E:1081267.8305	115.74	111.16 (24" RCP)(S) 111.16 (24" RCP)(E)
26	STORM MANHOLE	N:609421.4349 E:1081481.3299	119.56	109.57 (42" RCP)(S) 109.57 (48" RCP)(N) 114.00 (30" RCP)(E)
27	INLET TY C	N:609413.5990 E:1081659.5434	123.54	118.50 (30" RCP)(W)
28	SWMF1 CS	N:609680.3420 E:1081219.3783	109.00	102.00 (54" RCP)(N)
29	54" MES	N:609746.4354 E:1081218.8069	106.96	102.00 (54" RCP)(S)
30	INLET TY C	N:609147.8382 E:1081257.2049	120.76	116.76 (18" RCP)(N)
31	INLET TY C	N:608953.3787 E:1081324.3801	129.81	125.81 (18" RCP)(N)
32	22"x14" MES	N:608297.0634 E:1082131.7945	125.57	124.18 (22"x14" ARCP)(W)
35	22"x14" MES	N:608304.6887 E:1082017.2305	125.49	124.10 (22"x14" ARCP)(E)
36	SWMF2 CS	N:608365.5629 E:1081971.4129	128.54	124.50 (24" RCP)(S)
37	24" MES	N:608317.3529 E:1081971.4129	126.50	124.25 (24" RCP)(N)
38	INLET TY A, 1-WING	N:608653.7414 E:1081456.3215	133.85	129.43 (18" RCP)(E) 129.43 (18" RCP)(SW)
39	INLET TY A, 1-WING	N:608652.1702 E:1081484.2792	133.88	129.57 (18" RCP)(W)
40	INLET TY A, 1-WING	N:608610.4662 E:1081815.6129	133.98	129.00 (18" RCP)(SW) 129.00 (18" RCP)(NW)

Pipe Table						
Upstream Structure	Downstream Structure	Pipe Size	Length	Slope	Invert (In)	Invert (Out)
25	21	24" RCP	206.241	0.51%	111.16	110.11
26	22	48" RCP	129.171	0.50%	109.57	108.93
27	26	30" RCP	178.386	2.52%	118.50	114.00
28	29	54" RCP	66.096	0.00%	102.00	102.00
30	24	18" RCP	138.519	3.58%	116.76	111.80
31	4	18" RCP	24.748	3.19%	125.81	125.02
32	35	22"x14" ARCP	114.818	0.07%	124.18	124.10
36	37	24" RCP	48.210	0.52%	124.50	124.25
38	17	18" RCP	35.584	0.50%	129.43	129.25
39	38	18" RCP	28.002	0.50%	129.57	129.43
40	15	18" RCP	32.570	2.46%	129.00	128.20

STORMWATER MANAGEMENT FACILITY #1

TOTAL LF OF PIPE:	1553.03'
TOTAL NUMBER OF TYPE A INLETS:	8
TOTAL NUMBER OF TYPE C INLETS:	3
TOTAL NUMBER OF MANHOLES:	4
TOTAL NUMBER OF MITERED END SECTIONS:	2
TOTAL NUMBER OF OUTFALL STRUCTURES:	1

STORMWATER MANAGEMENT FACILITY #2

TOTAL LF OF PIPE:	954.86'
TOTAL NUMBER OF TYPE A INLETS:	12
TOTAL NUMBER OF MANHOLES:	1
TOTAL NUMBER OF MITERED END SECTIONS:	6
TOTAL NUMBER OF OUTFALL STRUCTURES:	1

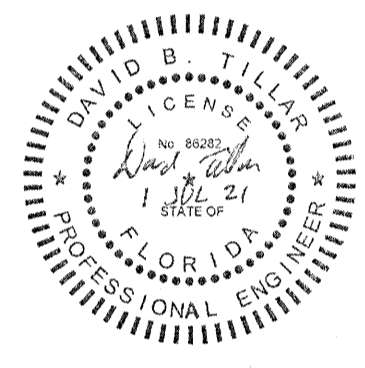


Dewberry Engineers Inc.  
25353 Friendship Road  
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SANCTUARY  
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PHASE ONE  
D. R. HORTON, INC.  
ESCAMBIA COUNTY, FLORIDA

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DAVID B. TILLAR, P.E.  
FL PE No. 93282

COAF 6754

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REVISIONS

NO.	DESCRIPTION	DATE

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CHECKED BY JMB  
DATE OCTOBER 2020

TITLE

STRUCTURE AND  
PIPE TABLES

PROJECT NO. 50128595

C426

SHEET NO.

LEGEND OF MEASURES FOR EROSION AND SEDIMENT CONTROL AND  
STORMWATER MANAGEMENT

- CEP CONSTRUCTION EXIT PAD  
TSG TOPSOILING  
DC DUST CONTROL  
ECB EROSION CONTROL BLANKET  
MU MULCHING  
SOD SODDING  
TS TEMPORARY SEEDING  
CD CHECK DAM  
GS GRASS SWALE  
PS PERMANENT SEEDING  
OP OUTLET PROTECTION  
IP INLET PROTECTION  
SB SEDIMENT BARRIER  
SDB STORMWATER DETENTION BASIN

NOTE: REFER TO SHEET C402 FOR  
GRADING/DRAINAGE NOTES AND LEGEND.



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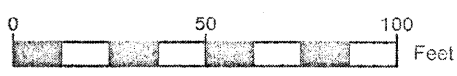


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FL. PE. NO. 82292

COAP 8714

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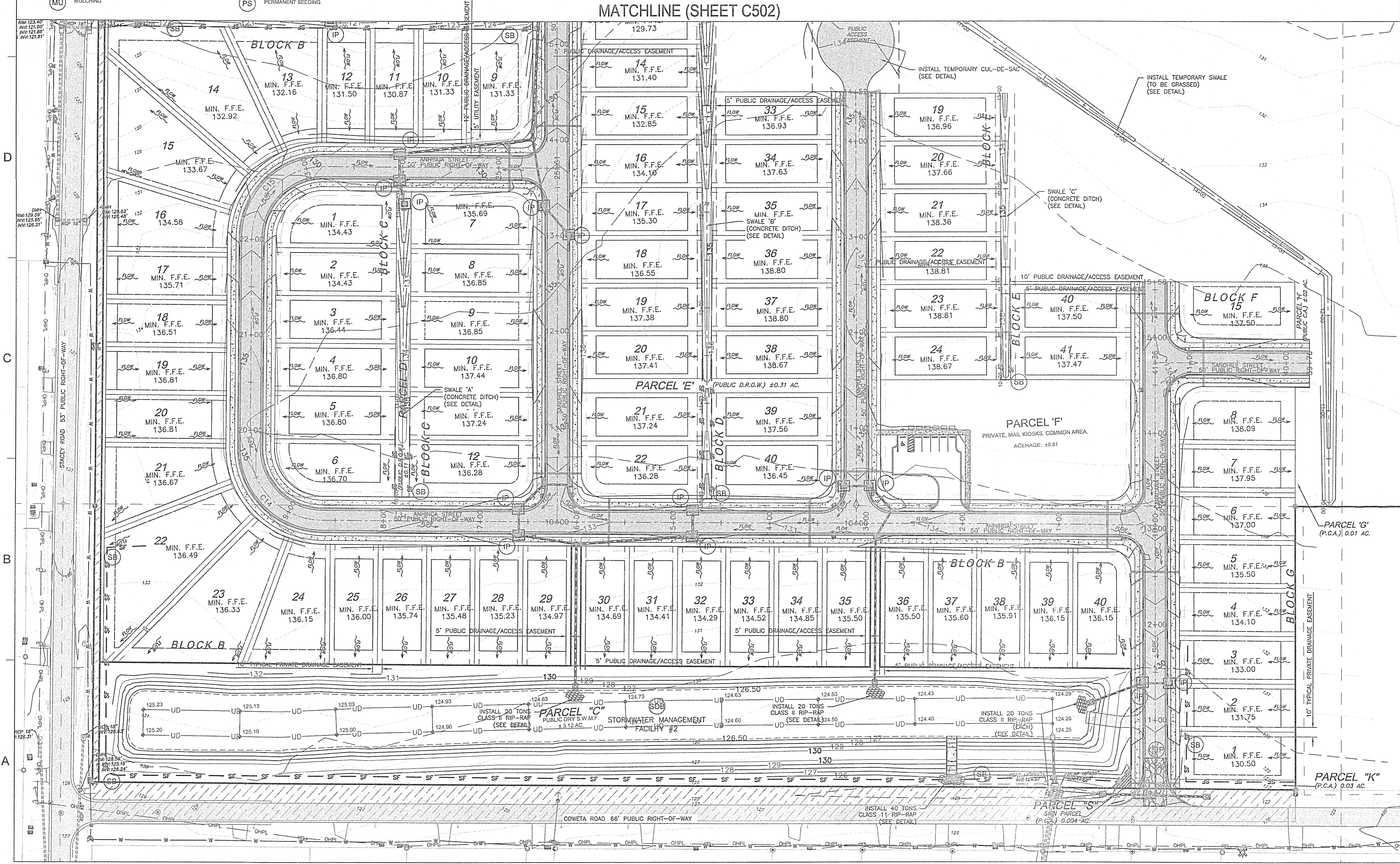
EROSION AND  
SEDIMENT  
CONTROL PLAN

PROJECT NO. 50128595

C501

SHEET NO.

MATCHLINE (SHEET C502)



1

2

3

4

5

LEGEND OF MEASURES FOR EROSION AND SEDIMENT CONTROL AND  
STORMWATER MANAGEMENT

- CEP CONSTRUCTION EXIT PAD

TSC TOPSOILING

DC DUST CONTROL

ECB EROSION CONTROL BLANKET

MU MULCHING
- SOD SODDING

TS TEMPORARY SEEDING

CD CHECK DAM

GS GRASS SWALE

PS PERMANENT SEEDING
- OP OUTLET PROTECTION

IP INLET PROTECTION

SB SEDIMENT BARRIER

SDB STORMWATER DETENTION BASIN



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ESCAMBA COUNTY, FLORIDA

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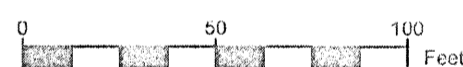


DAVID B. TELLAR, P.E.  
FL PE No. 85282

CO# 8754

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DATE OCTOBER 2020

TITLE

EROSION AND  
SEDIMENT  
CONTROL PLAN

PROJECT NO. 50128595

C502

SHEET NO.

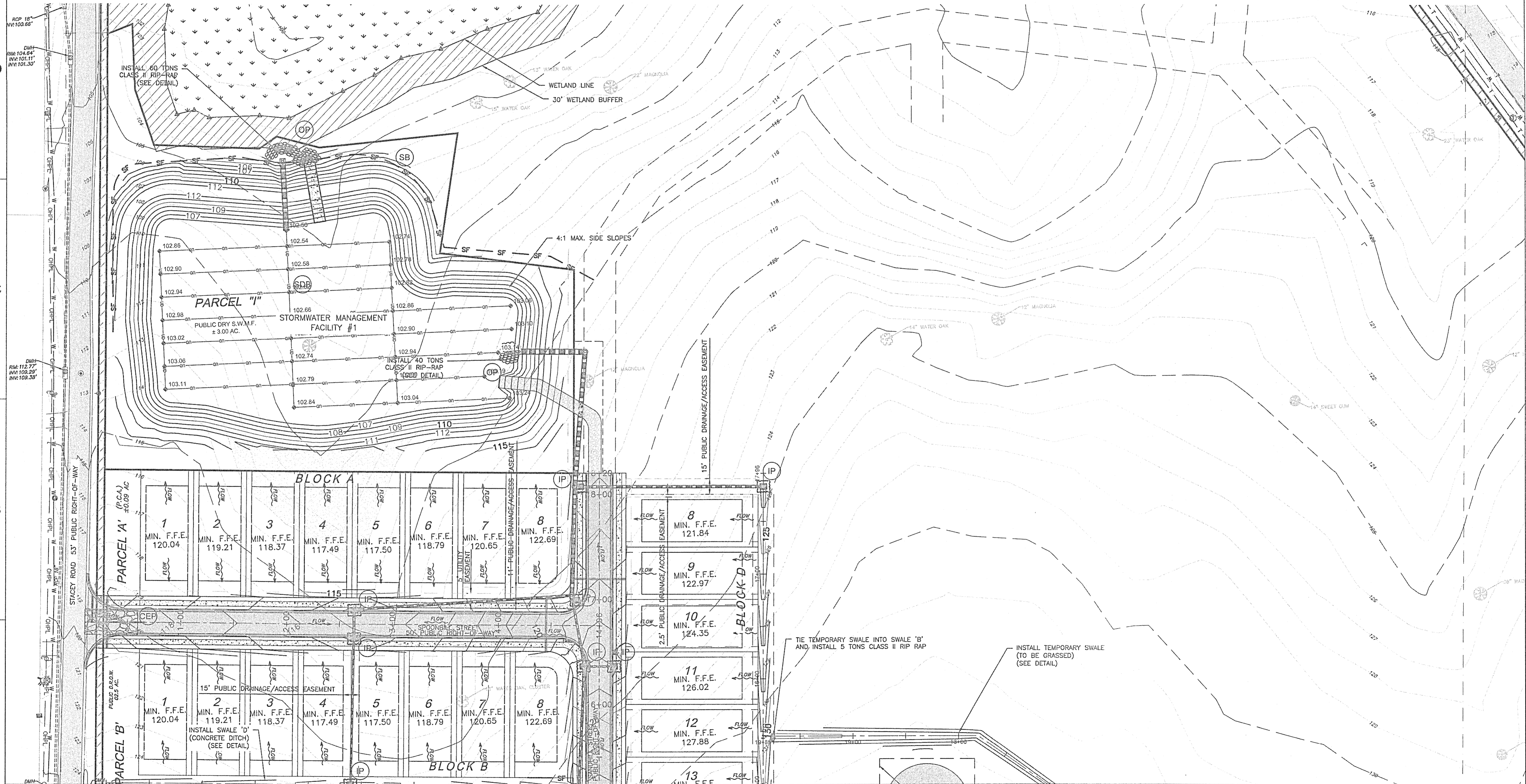
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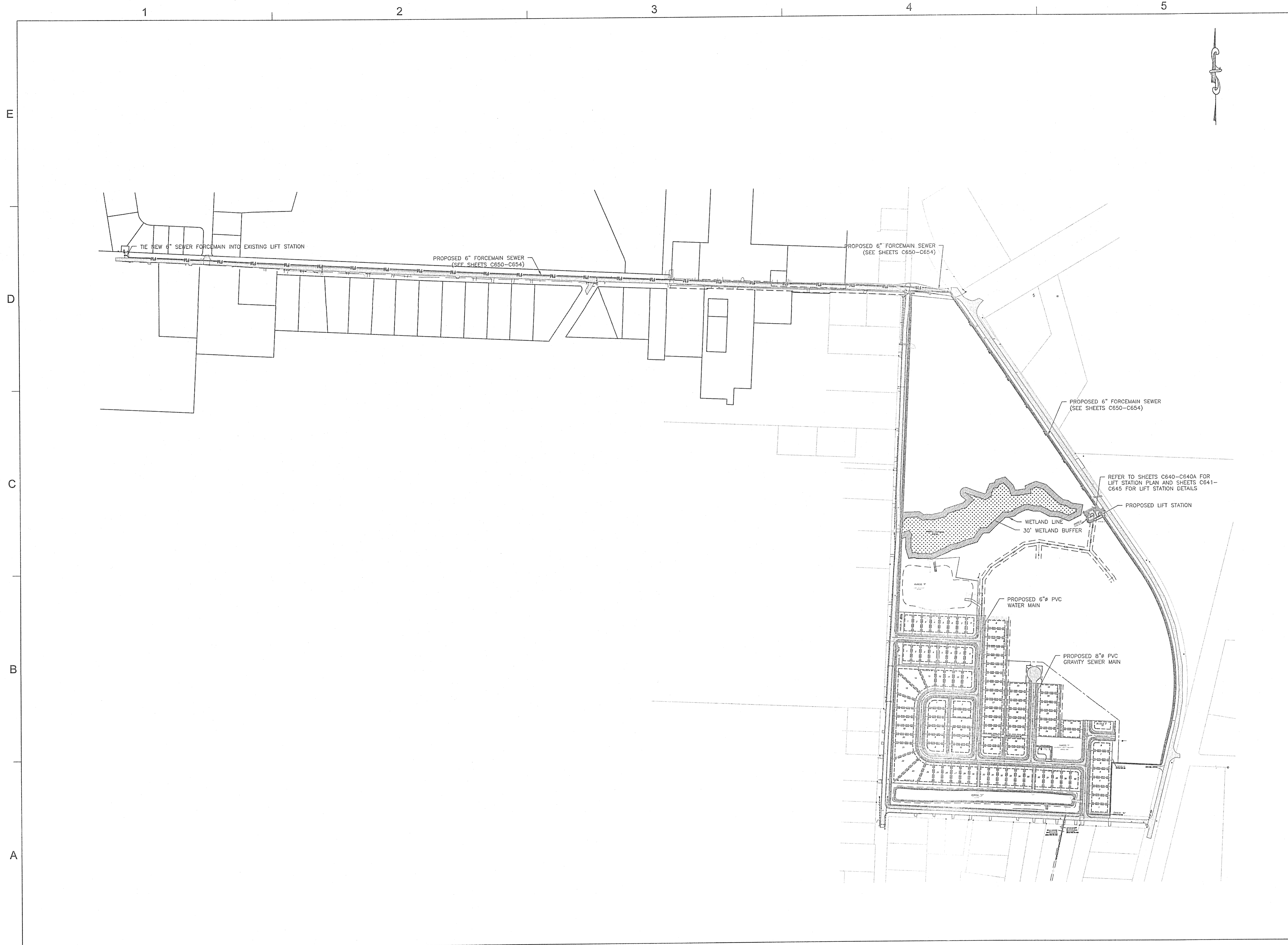
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MATCHLINE (SHEET C501)



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25353 Friendship Road  
Daphne, AL 36526

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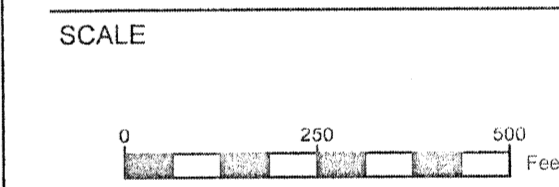
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FL. P.E. NO. 86282

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TITLE

**OVERALL UTILITY  
PLAN**

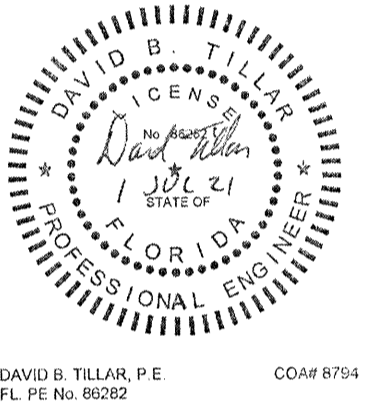
PROJECT NO. 50128595

**C600**

SHEET NO.

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FL PE No. 86282

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DATE OCTOBER 2020

TITLE \_\_\_\_\_

## UTILITY PLAN

PROJECT NO. 50128595










C601

SHEET NO.

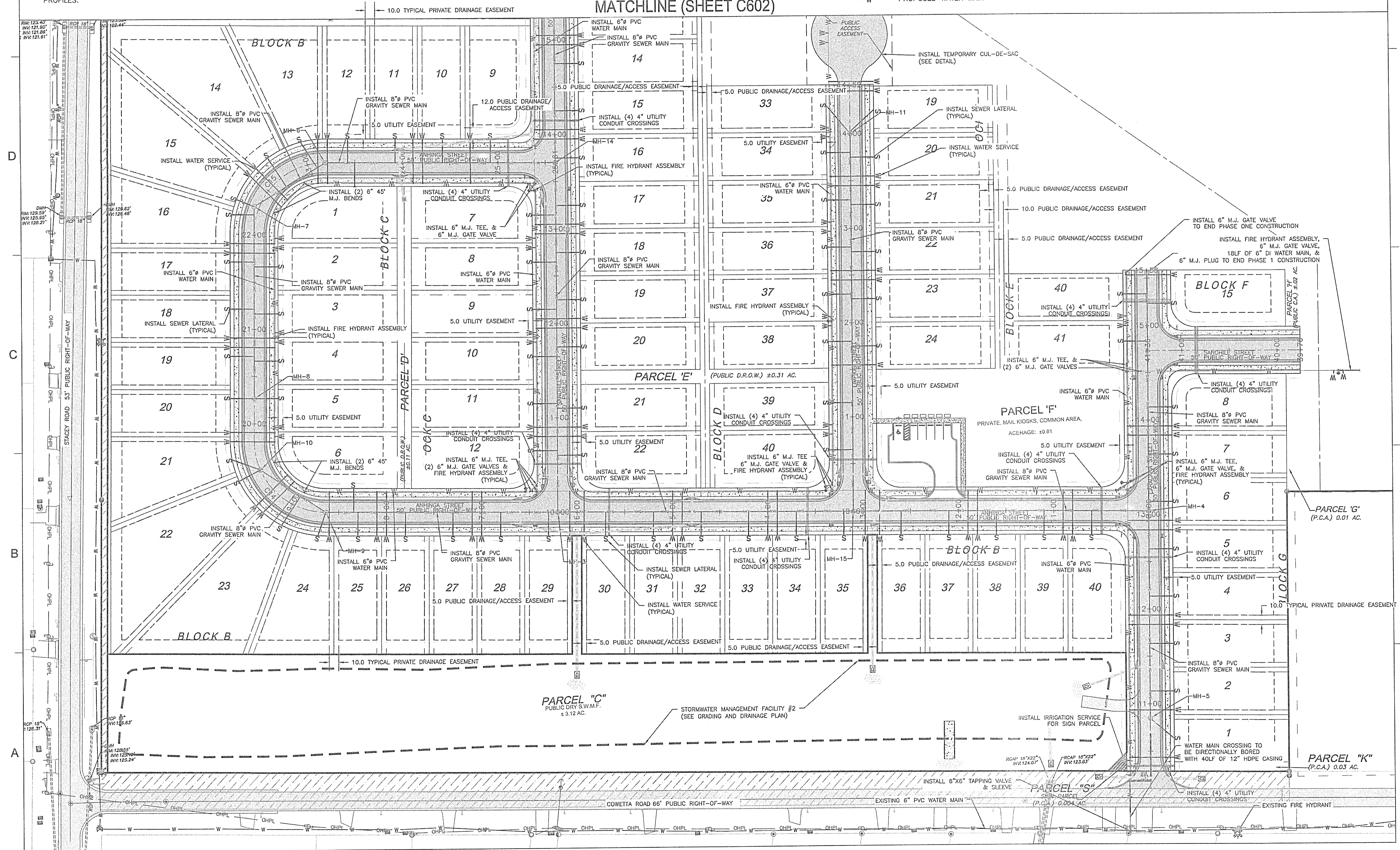
UTILITY PLAN NOTES:

1. ALL WATER MAINS AND SERVICES SHALL BE PER ECUA STANDARD SPECIFICATIONS
2. ALL SANITARY SEWER MAINS AND LATERALS SHALL BE PER ECUA STANDARD SPECIFICATIONS.
3. ALL CURB WATER MAIN FITTINGS SHALL BE PER ECUA STANDARD SPECIFICATIONS.
4. ALL WATER AND SEWER LATERALS SHALL BE CLEARLY MARKED UPON INSTALLATION FOR EASY LOCATION.
5. ALL SANITARY SEWER MANHOLES SHALL BE IN ACCORDANCE WITH ECUA STANDARD SPECIFICATIONS AND DETAILS.
6. THE CONTRACTOR SHALL PROVIDE A METER BOX AT ALL WATER LATERAL TERMINATIONS.
7. ALL WATER SERVICE LATERALS UNDER PAVEMENT SHALL BE PLACED WITHIN A 2" PVC SLEEVE.
8. REFER TO SHEETS C405-C409 FOR REQUIRED SANITARY SEWER PROFILES, AND SHEET C610-C611 FOR OFFSITE SANITARY SEWER PROFILES.

**UTILITY PLAN LEGEND:**

	PROPOSED SANITARY SEWER MANHOLE
	PROPOSED FIRE HYDRANT ASSEMBLY
	PROPOSED DI WATER MAIN FITTING
	PROPOSED DI TEE/ANCHOR TEE
	PROPOSED GATE VALVE
	PROPOSED SANITARY SEWER LATERAL
	PROPOSED WATER SERVICE LATERAL
	PROPOSED SANITARY SEWER MAIN
	PROPOSED WATER MAIN

MATCHLINE (SHEET C602)



# UTILITY PLAN NOTES:

1. ALL WATER MAINS AND SERVICES SHALL BE PER ECUA STANDARD SPECIFICATIONS.
2. ALL SANITARY SEWER MAINS AND LATERALS SHALL BE PER ECUA STANDARD SPECIFICATIONS.
3. ALL REQUIRED WATER MAIN FITTINGS SHALL BE PER ECUA STANDARD SPECIFICATIONS.
4. ALL WATER AND SEWER LATERALS SHALL BE CLEARLY MARKED UPON INSTALLATION FOR EASY LOCATION.
5. ALL SANITARY SEWER MANHOLES SHALL BE IN ACCORDANCE WITH ECUA STANDARD SPECIFICATIONS AND DETAILS.
6. THE CONTRACTOR SHALL PROVIDE A METER BOX AT ALL WATER SERVICE LATERAL TERMINATIONS.
7. ALL WATER SERVICE LATERALS UNDER PAVEMENT SHALL BE PLACED WITHIN A 2" PVC SLEEVE.
8. REFER TO SHEETS C405-C409 FOR REQUIRED SANITARY SEWER PROFILES, AND SHEET C610-C611 FOR OFFSITE SANITARY SEWER PROFILES.
9. OFFSITE SANITARY SEWER SHALL BE 2' OFF OF EDGE OF PAVEMENT ON WEST QUINTETTE ST.

# UTILITY PLAN LEGEND:

- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED DI WATER MAIN FITTING
- PROPOSED DI TEE/ANCHOR TEE
- PROPOSED GATE VALVE
- PROPOSED SANITARY SEWER LATERAL
- PROPOSED WATER SERVICE LATERAL
- PROPOSED SANITARY SEWER MAIN
- PROPOSED WATER MAIN

CONTRACTOR SHALL COORDINATE AND OBTAIN LAYOUTS FOR ALL KNOWN UTILITY OWNERS AND PROVIDE CONDUIT CROSSINGS FOR EACH PRIOR TO PAVING.

NOTE: ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL WATER LINES & FORCE MAIN LATERALS WITHIN THE PAVEMENT SHALL BE ENCASED (SEE DETAIL)

INSTALL 20 LF OF 8" PVC GRAVITY SEWER MAIN @0.40%, AND CAP TO END PHASE 1 CONSTRUCTION

6" SDR 11 HDPE SANITARY SEWER FORCE MAIN. REFER TO SHEETS C650-C654 FOR FORCEMAIN PLAN AND PROFILE.

REQ'D SANITARY SEWER LIFT STATION. REFER TO SHEETS C640-C640A FOR LIFT STATION SITE PLAN AND SHEETS C641-C645 FOR LIFT STATION DETAILS.

14' WIDE GRAVEL ACCESS ROAD AND GATE (TYPICAL) (SEE DETAIL)

EXISTING TELECOMMUNICATION LINES

EXISTING 6" PVC WATER MAIN

INSTALL 8" PVC GRAVITY SEWER MAIN

30.0 ECUA UTILITY/ACCESS EASEMENT

INSTALL 8" PVC GRAVITY SEWER MAIN

30.0 ECUA UTILITY/ACCESS EASEMENT

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30.0 ECUA UTILITY/ACCESS EASEMENT

INSTALL 8" PVC GRAVITY SEWER MAIN

30.0 ECUA UTILITY/ACCESS EASEMENT

# GENERAL NOTES:

1. ALL WORK THAT WILL BECOME ECUA OWNED SHALL BE DESIGNED, CONSTRUCTED, AND TESTED IN ACCORDANCE WITH THE ECUA STAMPED APPROVED PLANS AND ECUA'S ENGINEERING MANUAL IN EFFECT AT THE TIME OF ECUA PLAN APPROVAL.
2. CONTRACTOR SHALL INSTALL EACH UTILITY SERVICE IN THE LOCATION SHOWN IN THE COMMON TRENCH DETAIL.
3. THE DEDICATED FORCE MAIN WITHIN THE RIGHT-OF-WAY WILL BE OWNED AND MAINTAINED BY ECUA. SEWER SERVICES AND GRINDER PUMPS WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER. SEWER IS PRIVATELY OWNED FROM THE RIGHT-OF-WAY.
4. ALL FORCE MAIN AND WATER SERVICE LINES WITHIN OR UNDER THE PAVEMENT SHALL BE ENCASED. SEE ECUA DETAILS FOR ADDITIONAL INFORMATION.
5. NO GLUED FITTINGS WILL BE ALLOWED ON SANITARY SEWER FORCE MAIN SERVICES.
6. ONLY E/ONE SEWER SYSTEMS GRINDER PUMP STATIONS ARE TO BE USED WHEN THE HOME BUILDER CONNECTS SEWER LATERALS TO THE SANITARY SEWER SYSTEM. NO EXCEPTIONS OR SUBSTITUTIONS WILL BE PERMITTED. A 1-1/4" PVC SANITARY SEWER UNI-LATER FROM E/ONE SEWER SYSTEMS, TO TERMINATE AT RIGHT OF WAY. SEE E/ONE DETAILS FOR ADDITIONAL INFORMATION.
7. CONTRACTORS/ECUA INSPECTOR TO PROPERLY NOTIFY RESIDENTS OF OUTAGES BEFORE CONSTRUCTION IS TO BEGIN.
8. NO DAMAGE TO EXISTING PAVED DRIVEWAYS AND ROADS SHALL OCCUR. ANY DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR TO EXISTING OR BETTER CONDITION PRIOR TO THE COUNTY'S ACCEPTANCE.
9. RIGHT OF WAY AND ROADWAY STABILIZATION SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
10. CONTRACTOR SHALL MAINTAIN A MINIMUM SEPARATION OF 6' BETWEEN WATER MAIN AND FORCE MAIN. FORCE MAIN SHALL BE 18" BELOW THE WATER MAIN.
11. BORES SHALL BE JACK AND BORE UNLESS SPECIFICALLY NOTED.
12. ECUA WILL ACCEPT OWNERSHIP OF WATER AND SEWER UTILITIES WITHIN THE PROPOSED PUBLIC RIGHT OF WAY OR OTHER DESIGNATED AREAS THAT ARE TO INCLUDE ECUA UTILITIES.
13. CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING CONDUIT FOR ALL UTILITY CROSSINGS.
14. ALL UTILITY PROVIDERS SHALL USE ONLY INSTALLED CONDUITS. NO OPEN CUTS OR BORING SHALL BE ALLOWED UNDER THE ROADS THAT ARE UNDER THE TWO-YEAR WARRANTY.

# ECUA NOTES:

1. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING UTILITIES (GAS, WATER, COMMUNICATIONS, ETC), DRAINAGE STRUCTURES AND OTHER THAT MAY CREATE CONFLICTS DURING INSTALLATION OF PROPOSED FORCE MAIN.
2. CONTRACTOR TO CLOSELY COORDINATE WITH LANDFILL PERSONNEL AND ECUA LIFT STATION STAFF PRIOR TO SHUT DOWN OF EXISTING FORCE MAIN. FORCE MAIN SHUT DOWN TO BE DONE ON WEEKDAY NIGHTS.

MATCHLINE (SHEET C601)



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25353 Friendship Road  
Daphne, AL 36526

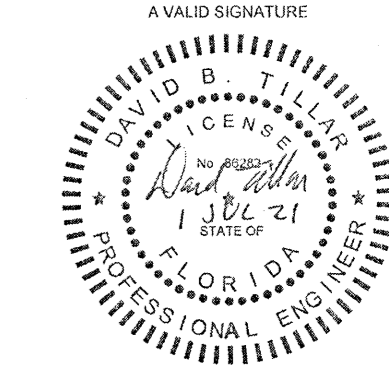
SANCTUARY  
SUBDIVISION

PHASE ONE

D. R. HORTON, INC.  
ESCAMBIA COUNTY, FLORIDA

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DAVID B. TILLAR, P.E.  
FL PE No. 82292

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CHECKED BY JMB  
DATE OCTOBER 2020

TITLE

UTILITY PLAN

PROJECT NO. 50128595

C602

SHEET NO.

SEAL

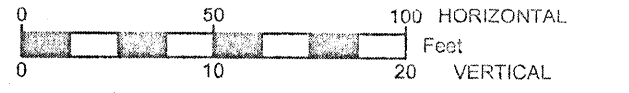
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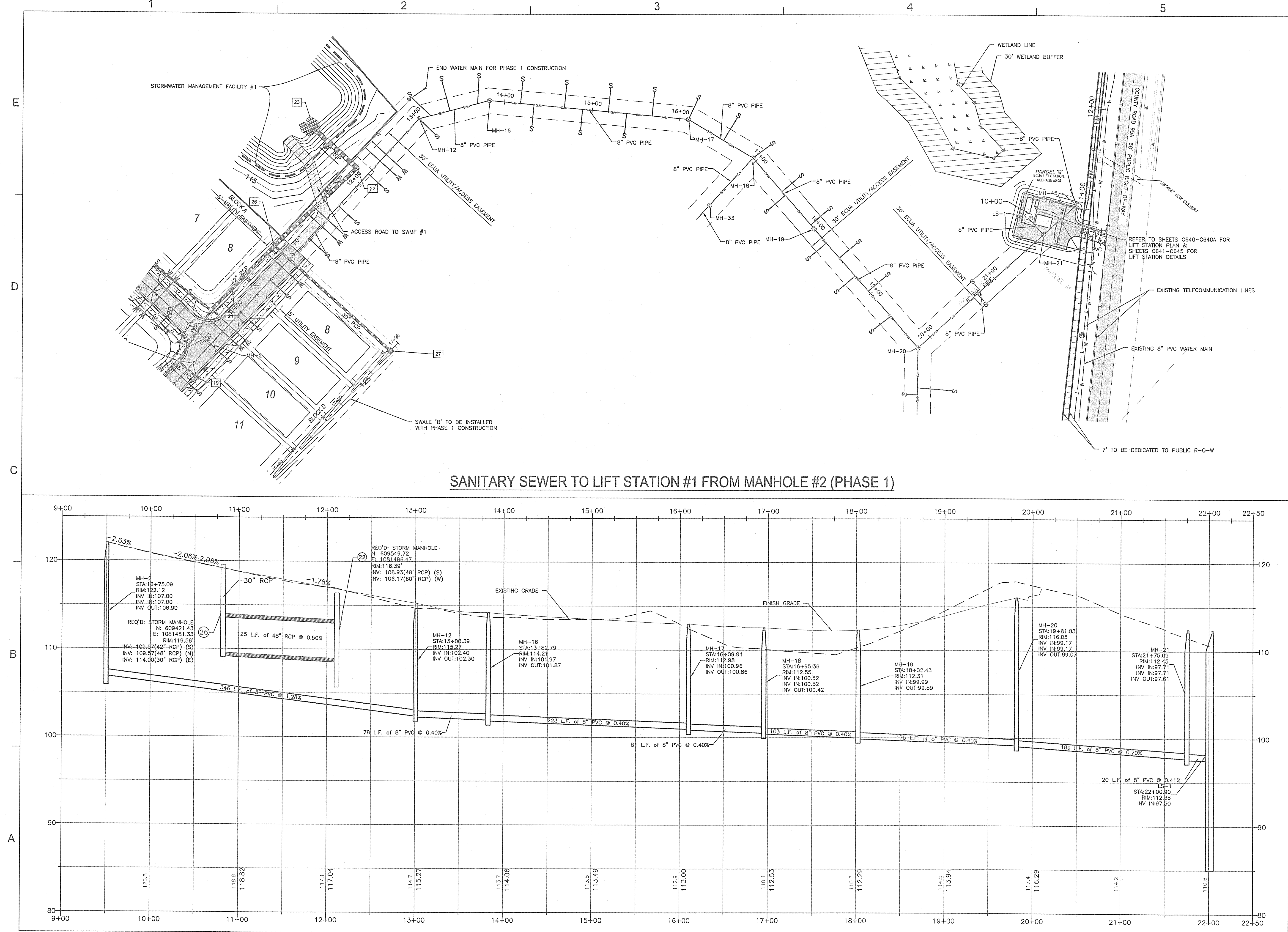
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TITLE  
**OFFSITE  
SANITARY SEWER  
PROFILE**

PROJECT NO. 50128595

**C610**

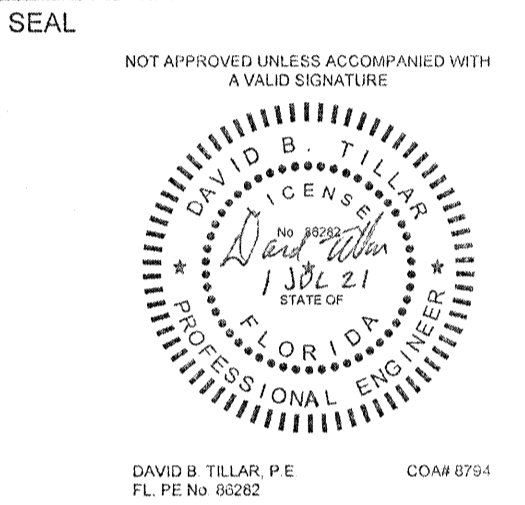
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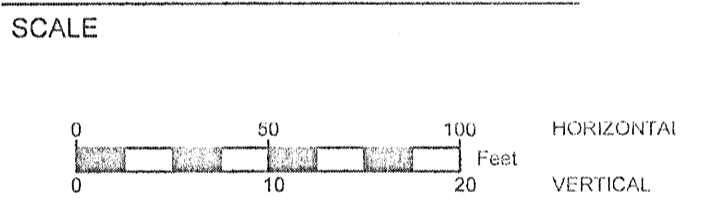


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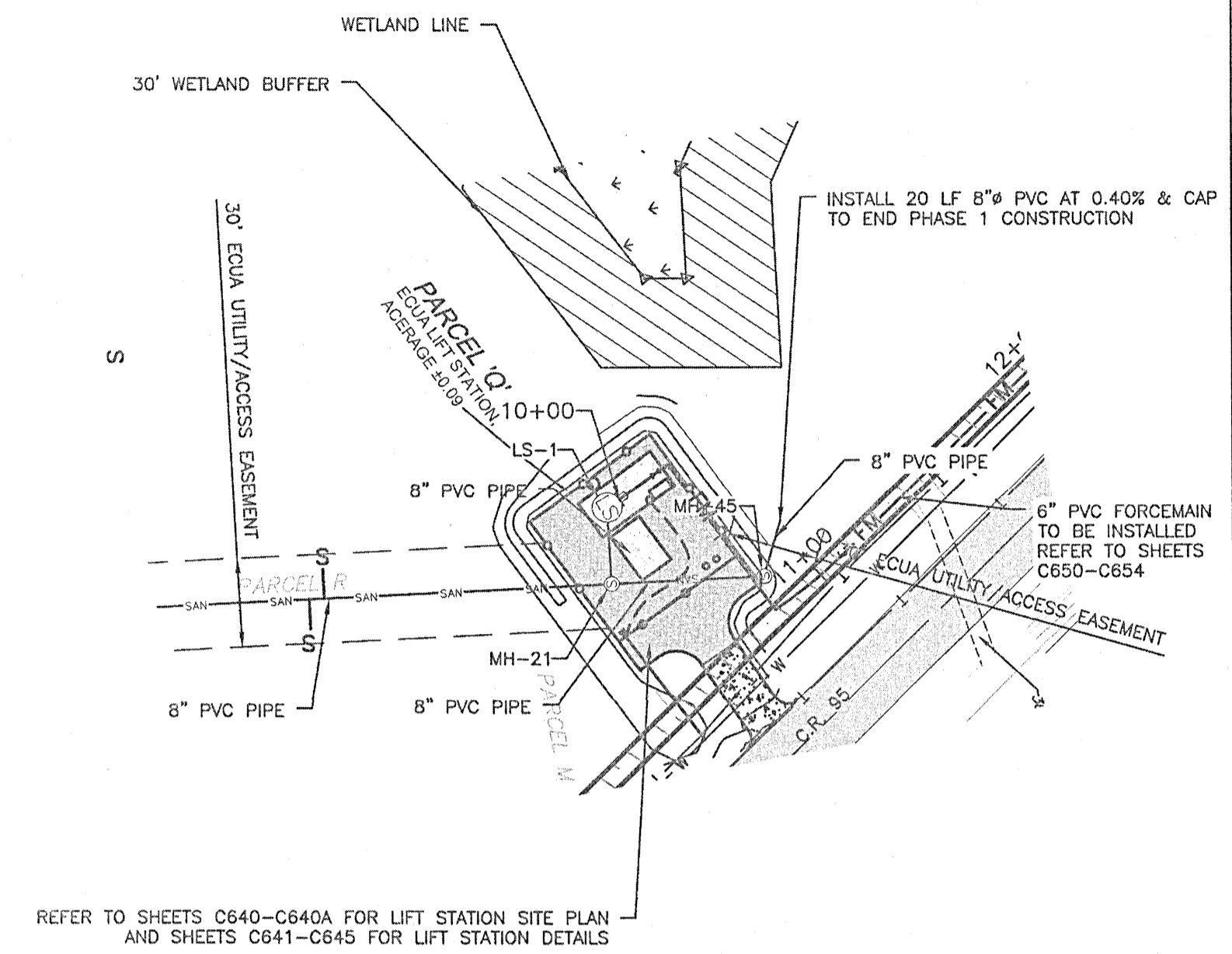
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**OFFSITE  
SANITARY SEWER  
PROFILE**

PROJECT NO. 50128595

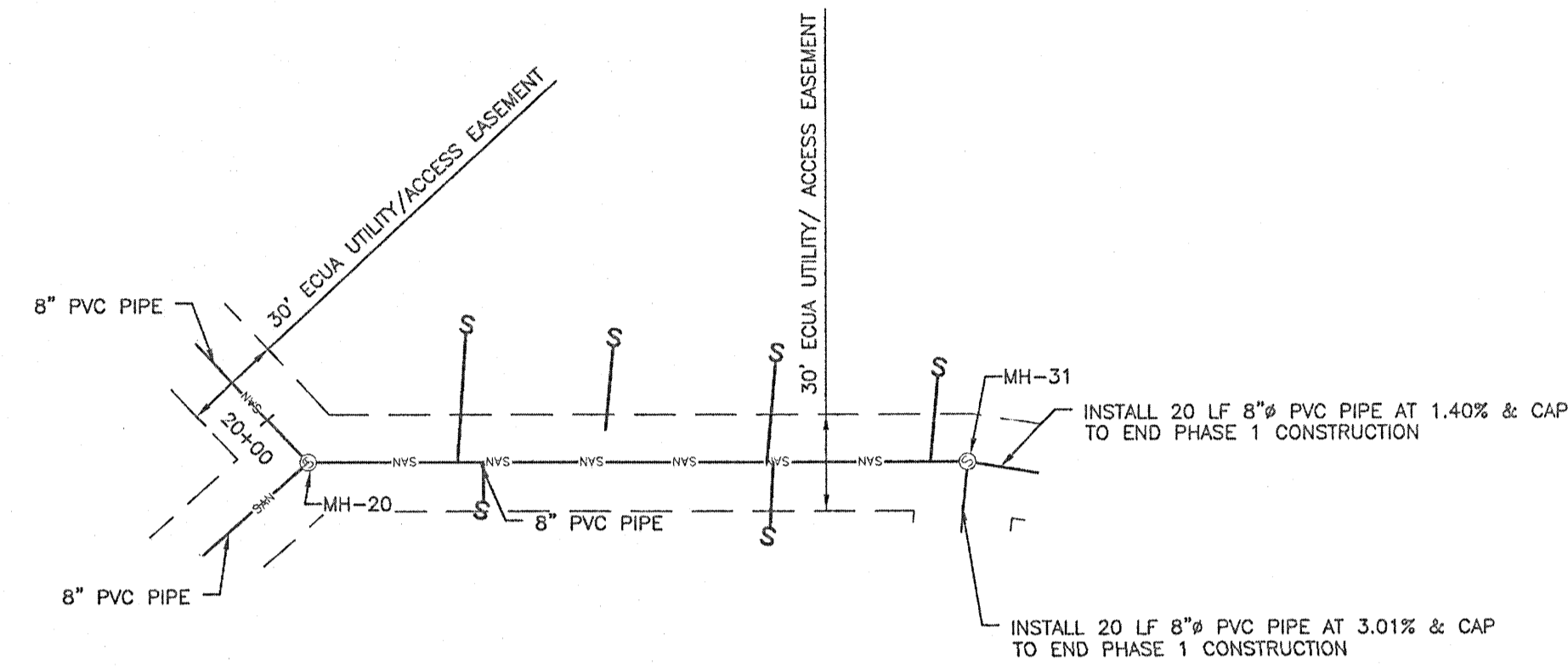
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SHEET NO.



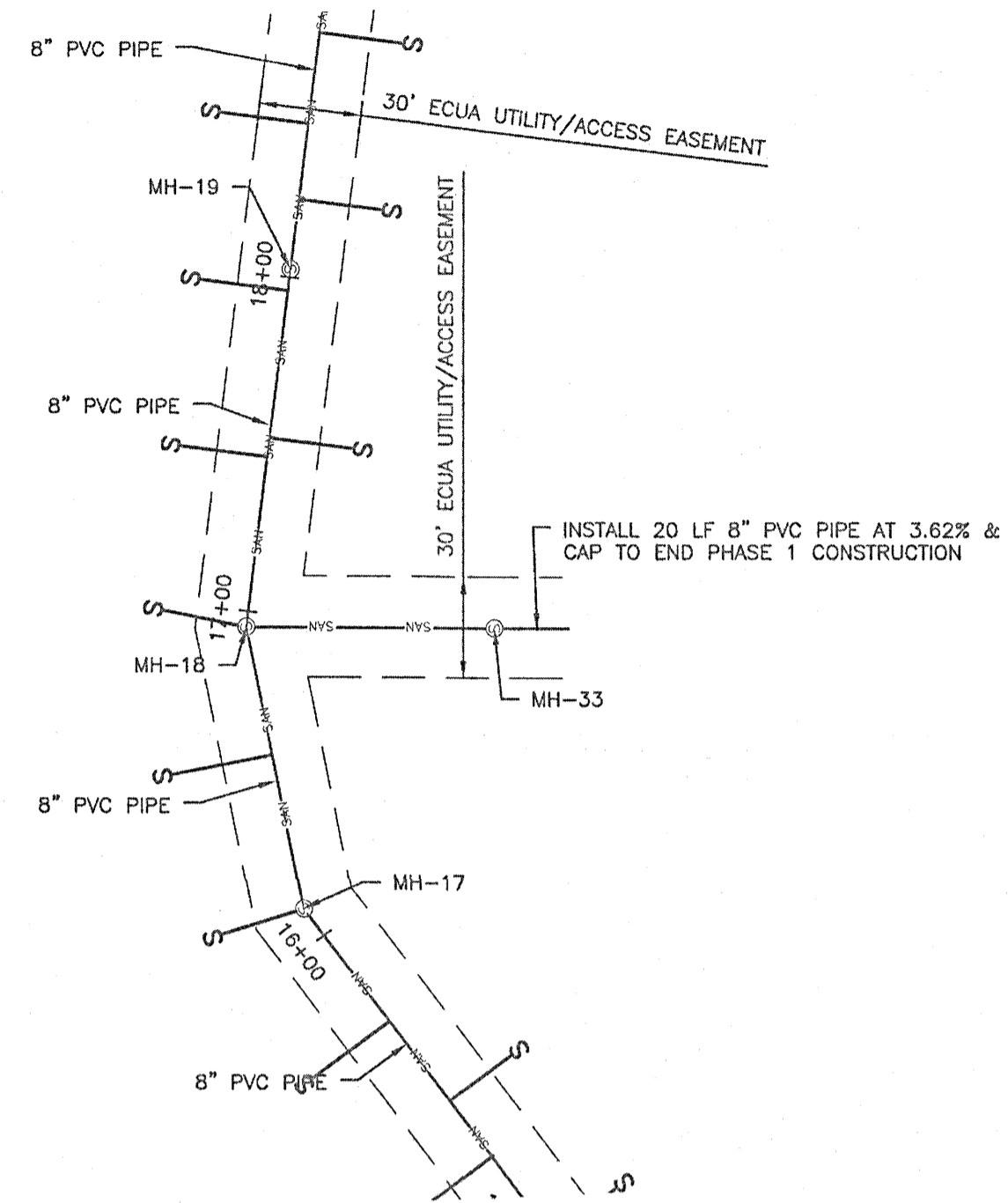
**LIFT STATION - MANHOLE 45**

STA: 10+00.00 - STA: 10+62.34



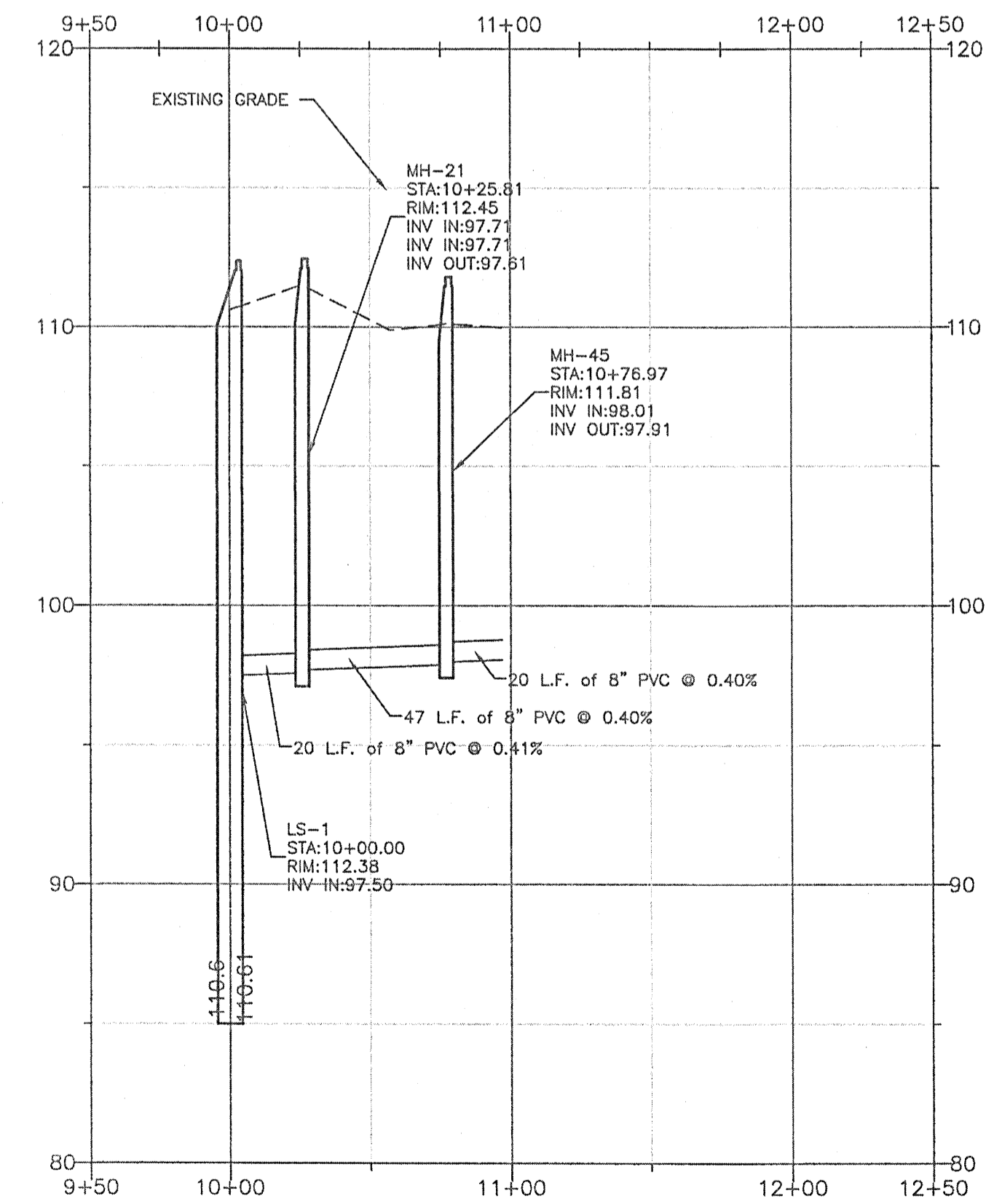
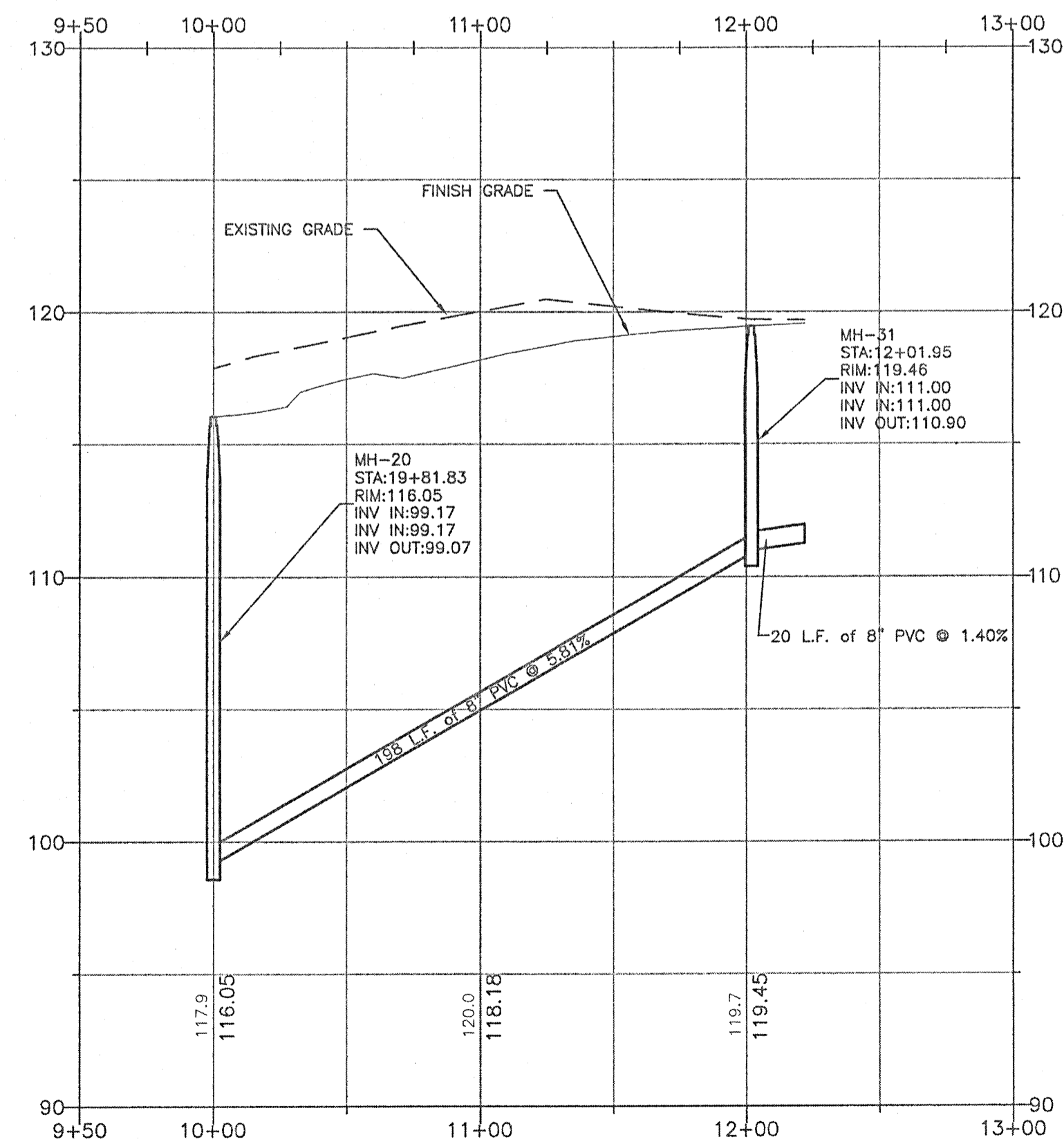
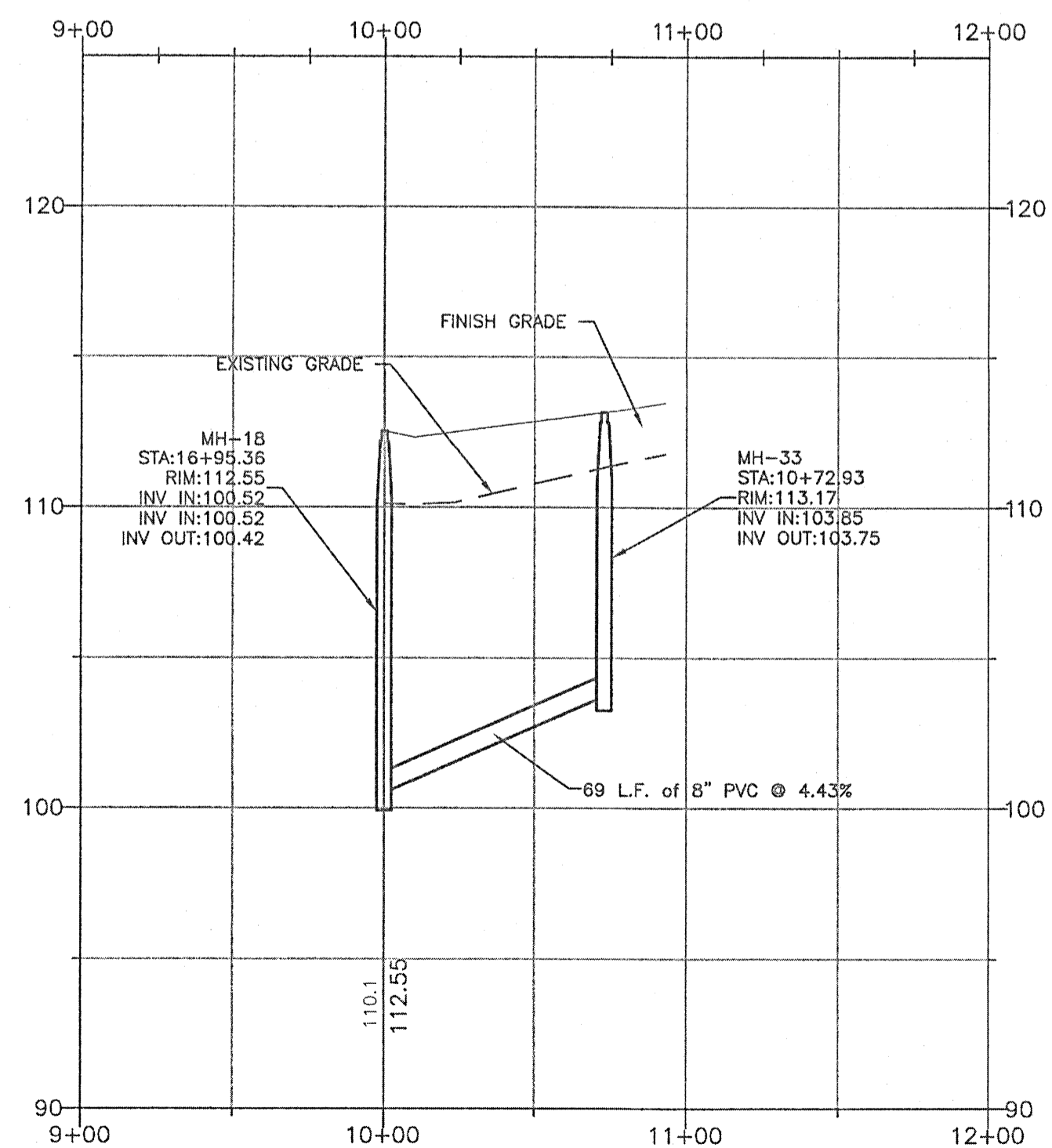
**MANHOLE 20 - MANHOLE 31**

STA: 10+00.00 - STA: 12+21.95



**MANHOLE 18 - MANHOLE 33**

STA: 10+00.00 - STA: 10+92.93



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DATE OCTOBER 2021

TITLE

# SANITARY SEWER LIFT STATION SITE PLAN

PROJECT NO. 50128

C640

SHEET NO





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TITLE  
**SANITARY SEWER  
LIFT STATION  
SITE PLAN**

PROJECT NO. \_\_\_\_\_ 50128595

**C640A**

SHEET NO.



1

2

3

4

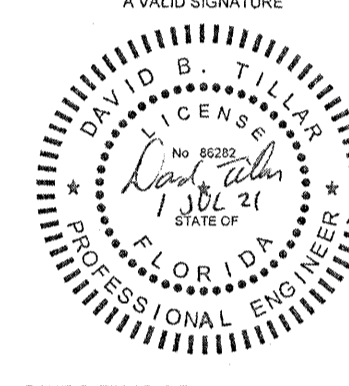
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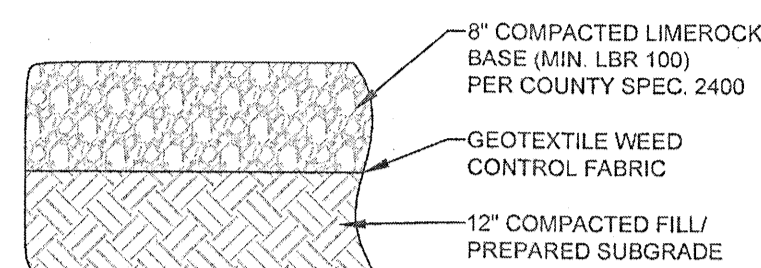
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TITLE  
SANITARY SEWER  
LIFT STATION  
SECTION & DETAILS

PROJECT NO. 50128595

C642

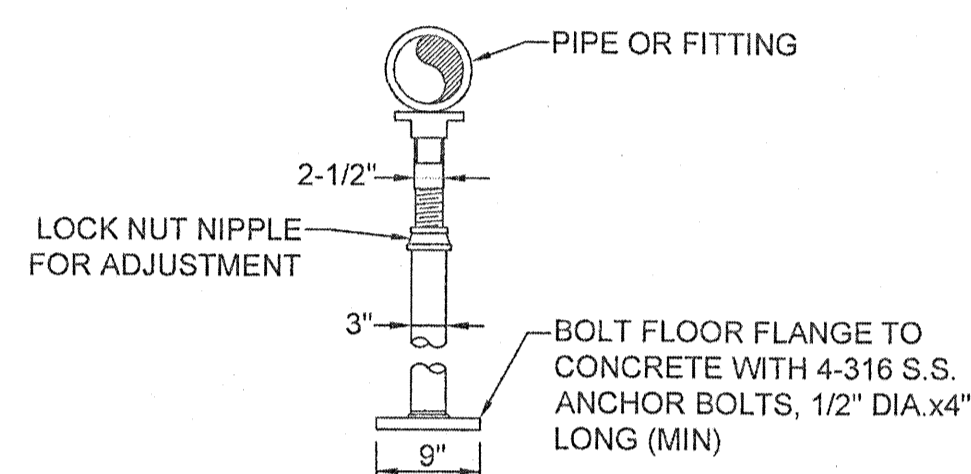
SHEET NO.



## NOTES:

- ALL DEPTHS ARE COMPACTED DEPTHS.
- PREPARE SUBGRADE BY CLEARING AND GRUBBING, STRIPPING TOPSOIL AND PLACING GEOTEXTILE FABRIC.
- FILL FOR LIFT STATION SITE SHALL BE SAND MECHANICALLY COMPACTED TO 95% MODIFIED PROCTOR DENSITY IN MAXIMUM 12-INCH LIFTS LOOSE MEASUREMENT TO ACHIEVE CORRECT GRADE.

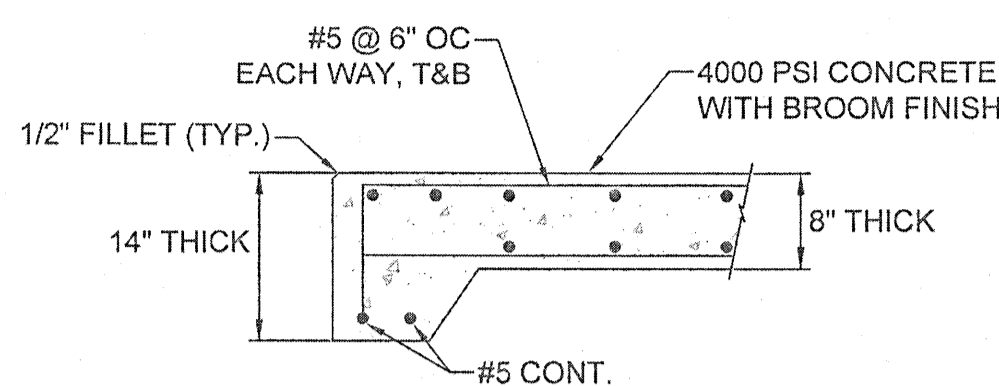
DS-4  
1  
GRADED AGGREGATE BASE DETAIL  
NOT TO SCALE



## NOTES:

- ADJUSTABLE PIPE SUPPORT "ANVIL FIGURE 265" OR EQUAL
- ALL SUPPORT MATERIALS SHALL BE 316 S.S.
- THE COMPONENTS OF THE VALVE SUPPORT SHALL BE ENLARGED AS APPROVED BY ECUA.
- FIT A PIPE STAND FOR EACH DISCHARGE PIPE; WET WELLS WITH A FLOW METER SHALL ALSO HAVE A PIPE STAND ON EACH SIDE OF THE FLOW METER.

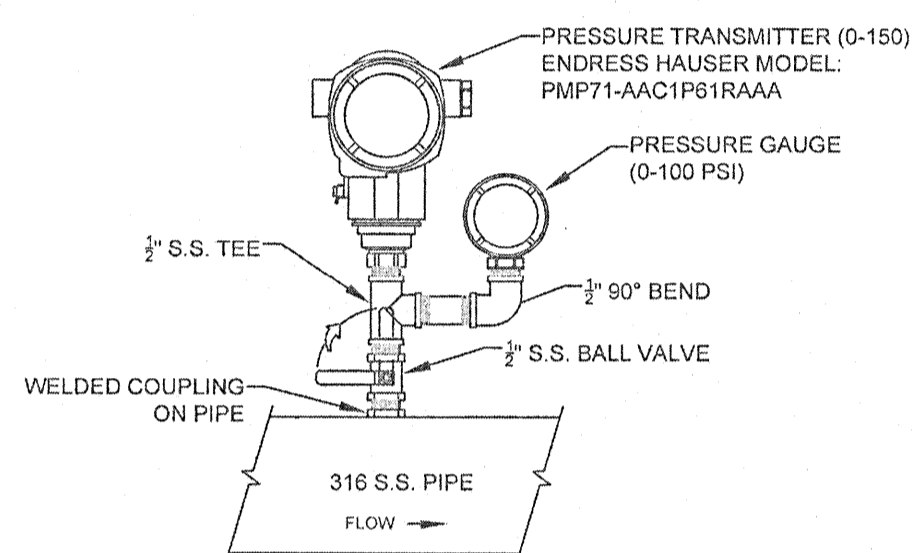
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4  
ADJUSTABLE PIPE STAND DETAIL  
NOT TO SCALE



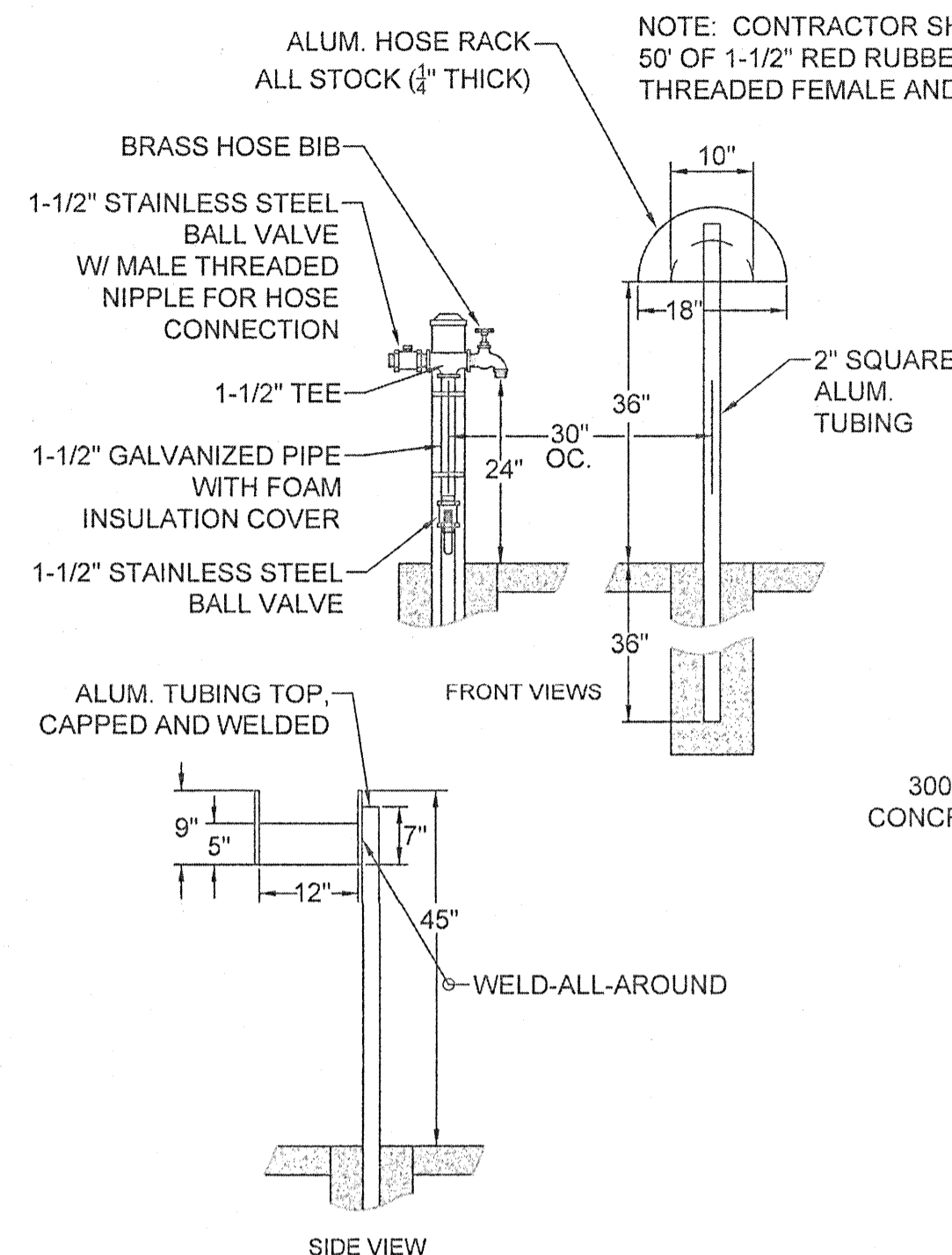
## NOTES:

- PAD DIMENSIONS PER PLANS.
- PROVIDE EXPANSION JOINTS AND CRACK RELIEF JOINTS PER ACI STANDARDS.

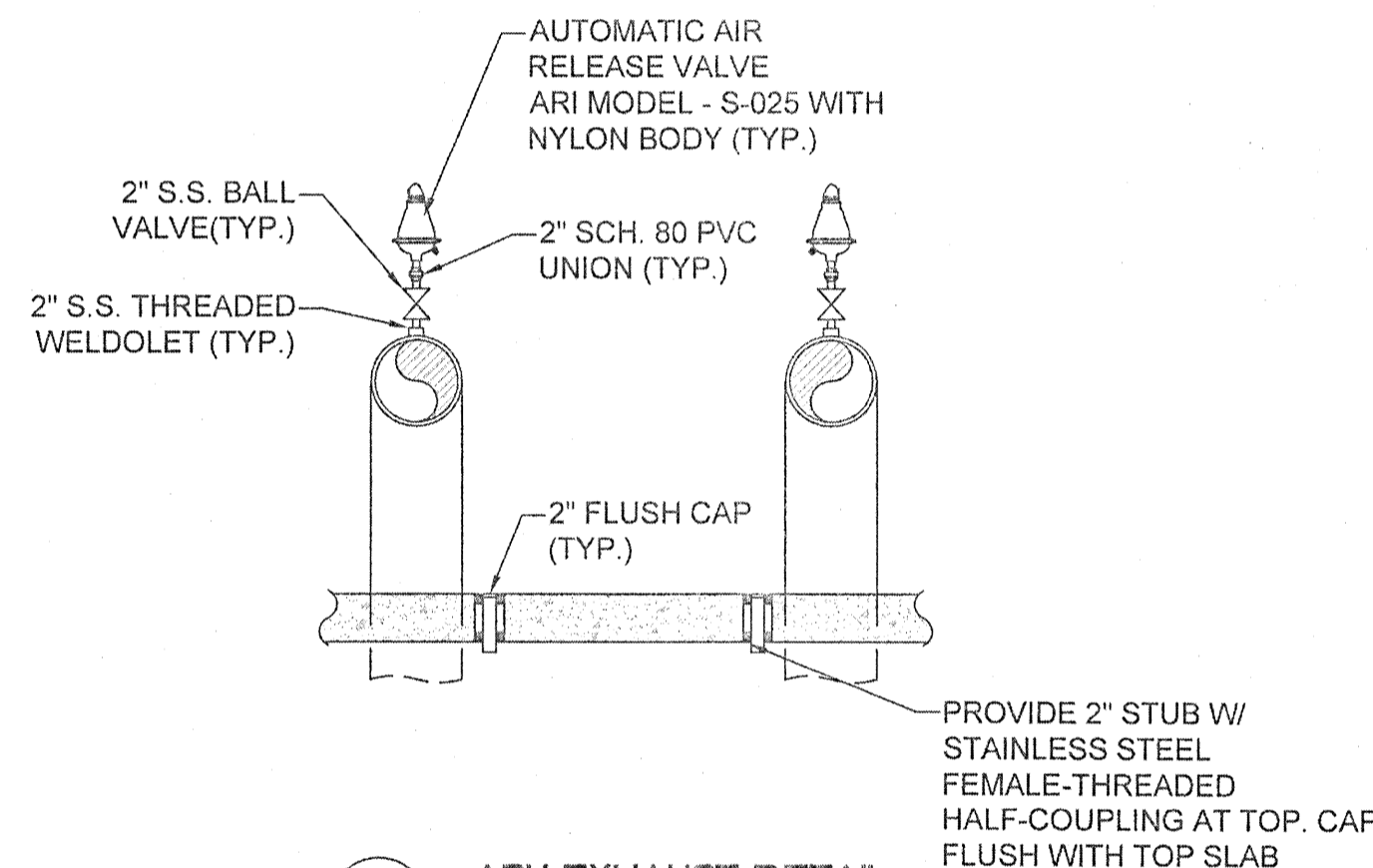
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2  
GENERATOR PAD DETAIL  
NOT TO SCALE



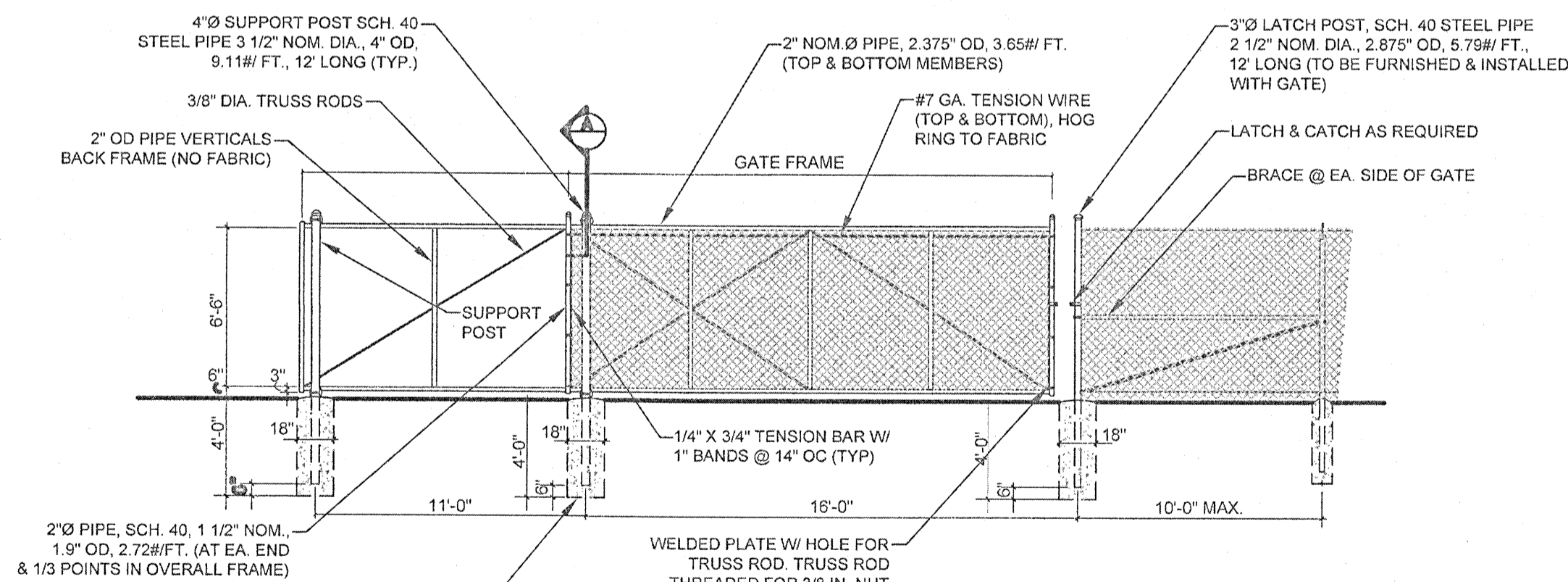
DS-4  
5  
PRESSURE TRANSMITTER DETAIL  
NOT TO SCALE



DS-4  
3  
WASHDOWN STATION AND METER DETAIL  
NOT TO SCALE



DS-4  
6  
ARV EXHAUST DETAIL  
NOT TO SCALE

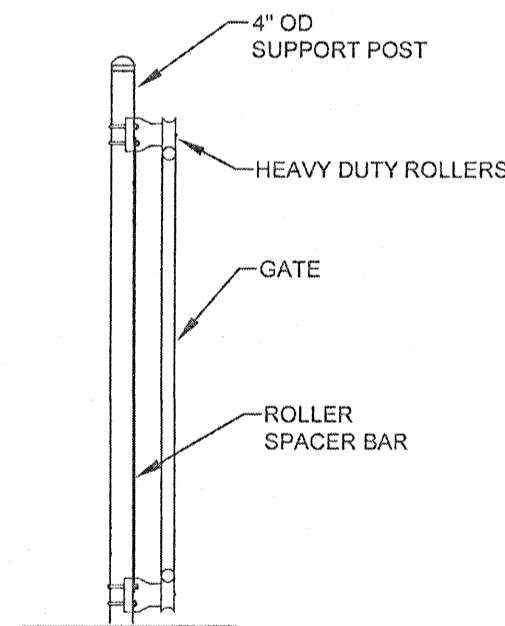


## ELEVATION VIEW

CANTILEVERED SLIDE GATE  
TYP. FRAME @ SINGLE 16' GATES

## NOTE:

NO FABRIC SHOWN IN FRONT OF BACK FRAME FOR CLARITY. PROVIDE BRACE @ MID-POINT EACH SIDE OF GATE WITH 3/8" DIA. TRUSS ROD IN BOTTOM HALF (NOT SHOWN FOR CLARITY)

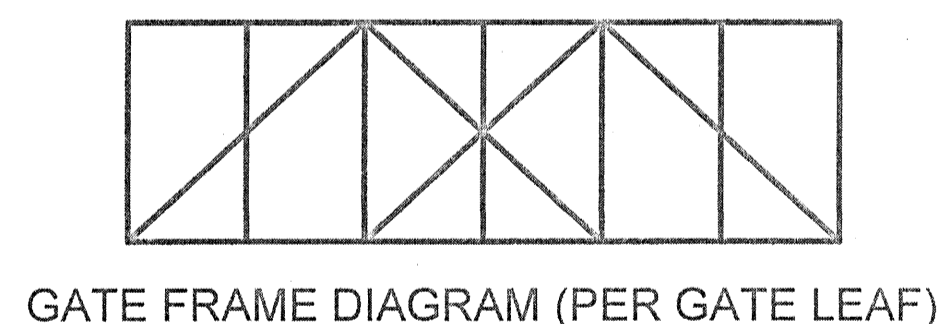


## FENCE POST SCHEDULE

TYPE	SIZE
LINE POST	2-1/2" Ø
BRACE POST**	3" Ø
CORNER POST	3" Ø
GATE POST	4" Ø

\*\* EVERY 10'

DS-4  
7  
SIDEVIEW OF GATE POST  
NTS

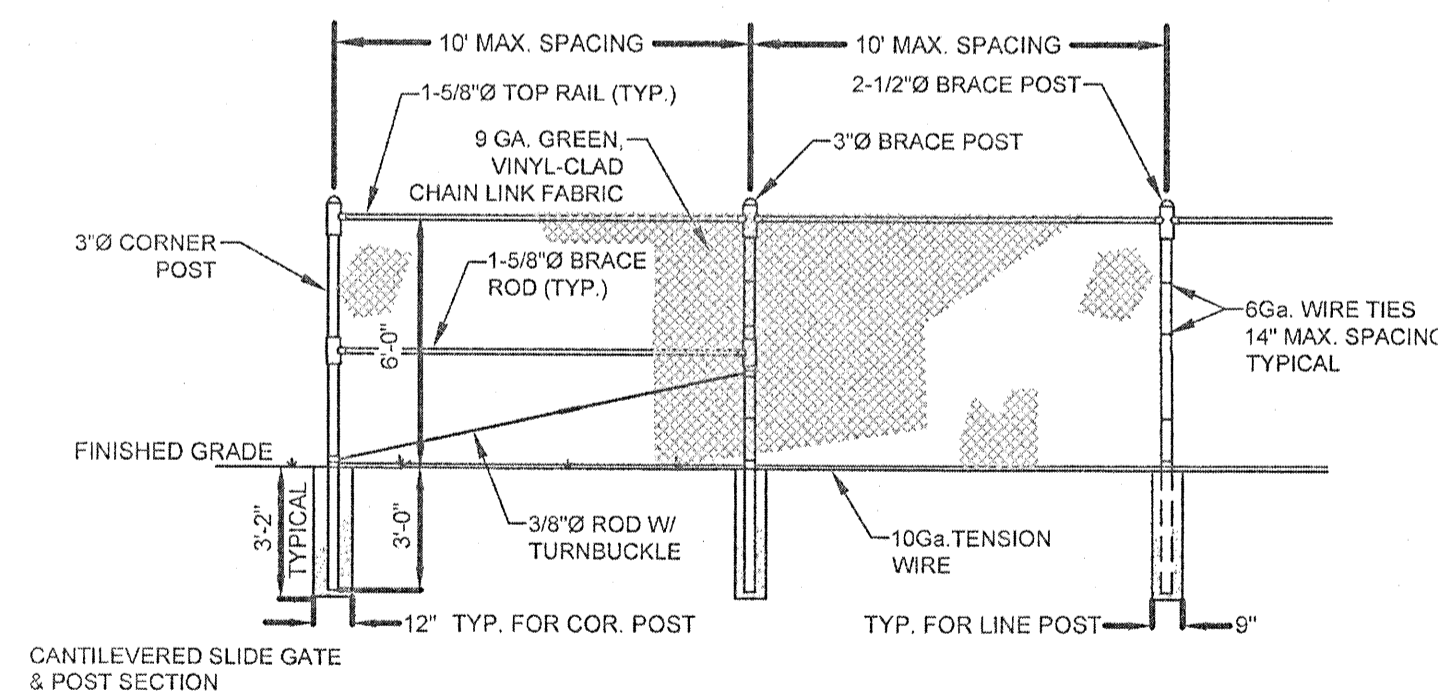


GATE FRAME DIAGRAM (PER GATE LEAF)  
16'-0" GATE

SEE ELEVATION THIS SHEET  
FOR ADDITIONAL NOTES.  
SEE PLANS FOR LOCATION.

GATE OPENING	GATE FRAME	BACK FRAME
18'-0"	16'-3"	11'-0"

CANTILEVERED SLIDE GATE DIMENSIONS  
PER GATE LEAF



## 6" CHAINLINK FENCE DETAIL

NTS

NOTE:  
ALL FENCING ELEMENTS TO BE MANUFACTURER'S FACTORY-APPLIED  
DARK GREEN COLORSHEET NO.  
DS-4

1

2

3

4

5

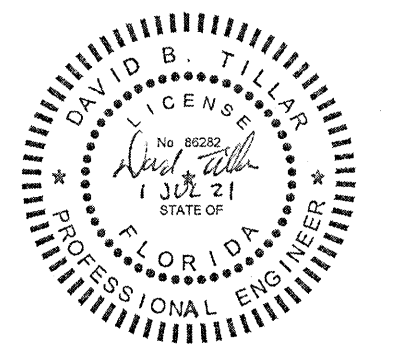


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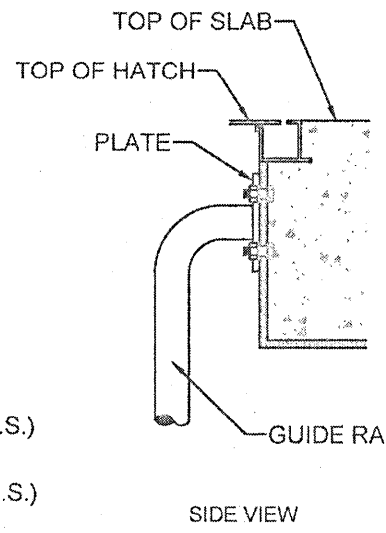
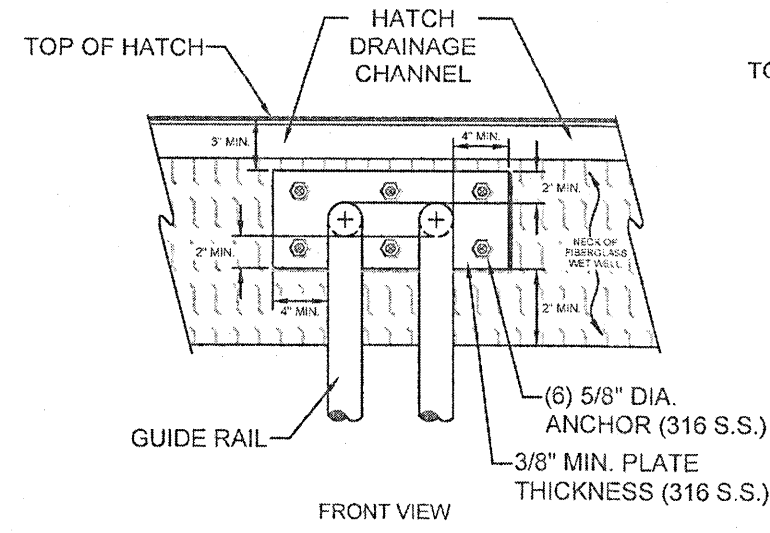
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TITLE  
SANITARY SEWER  
LIFT STATION  
SECTION & DETAILS

PROJECT NO. 50128595

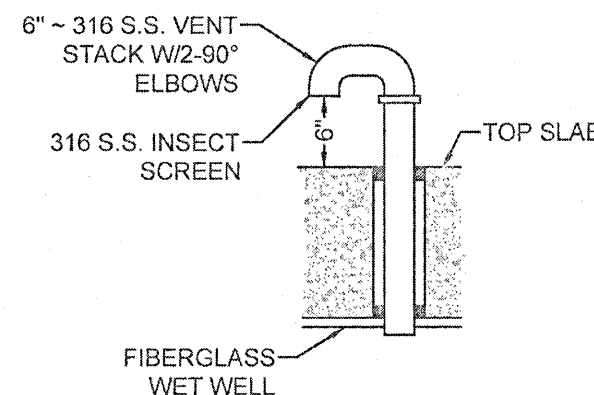
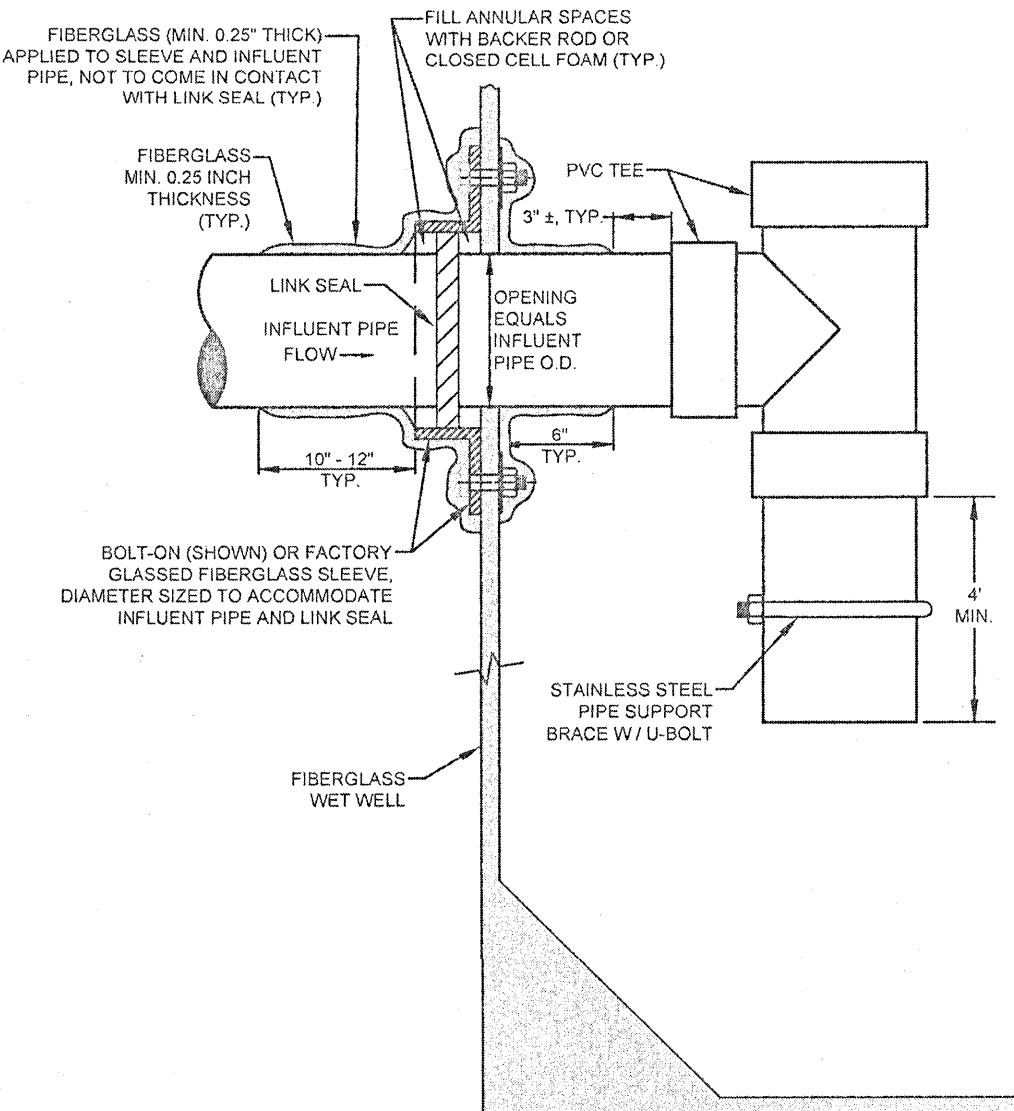
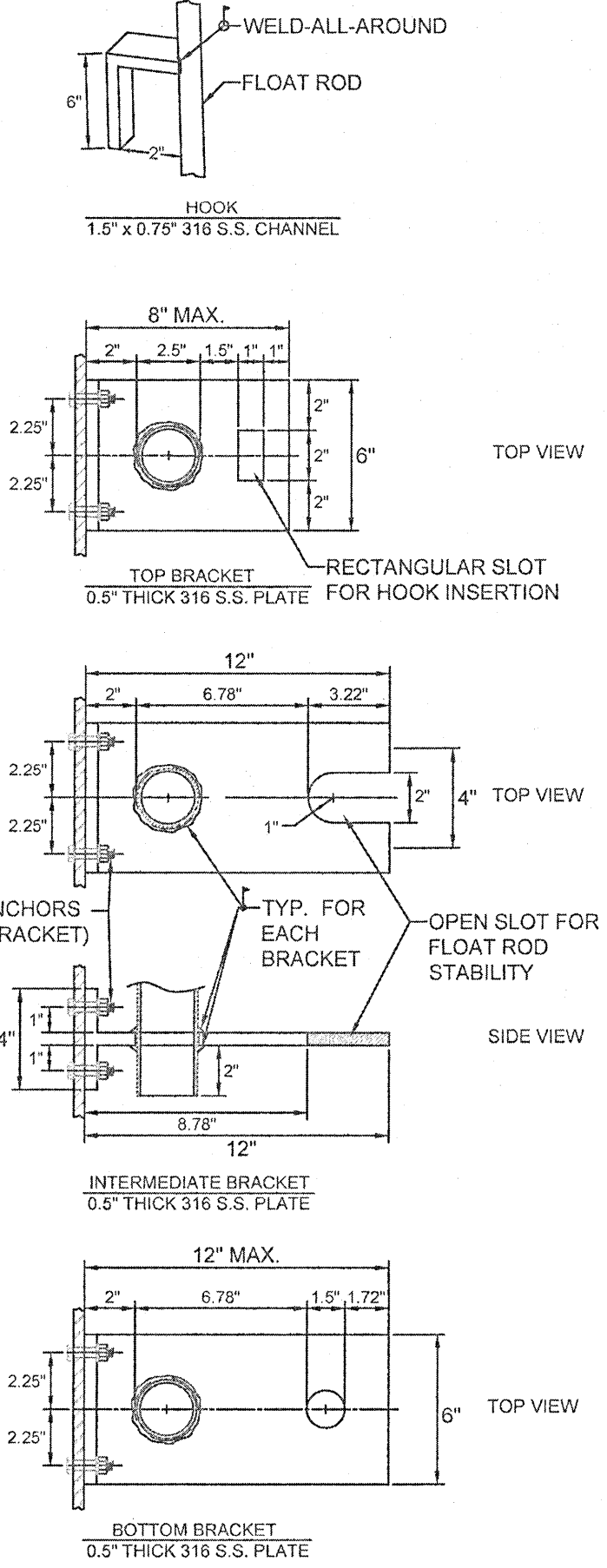
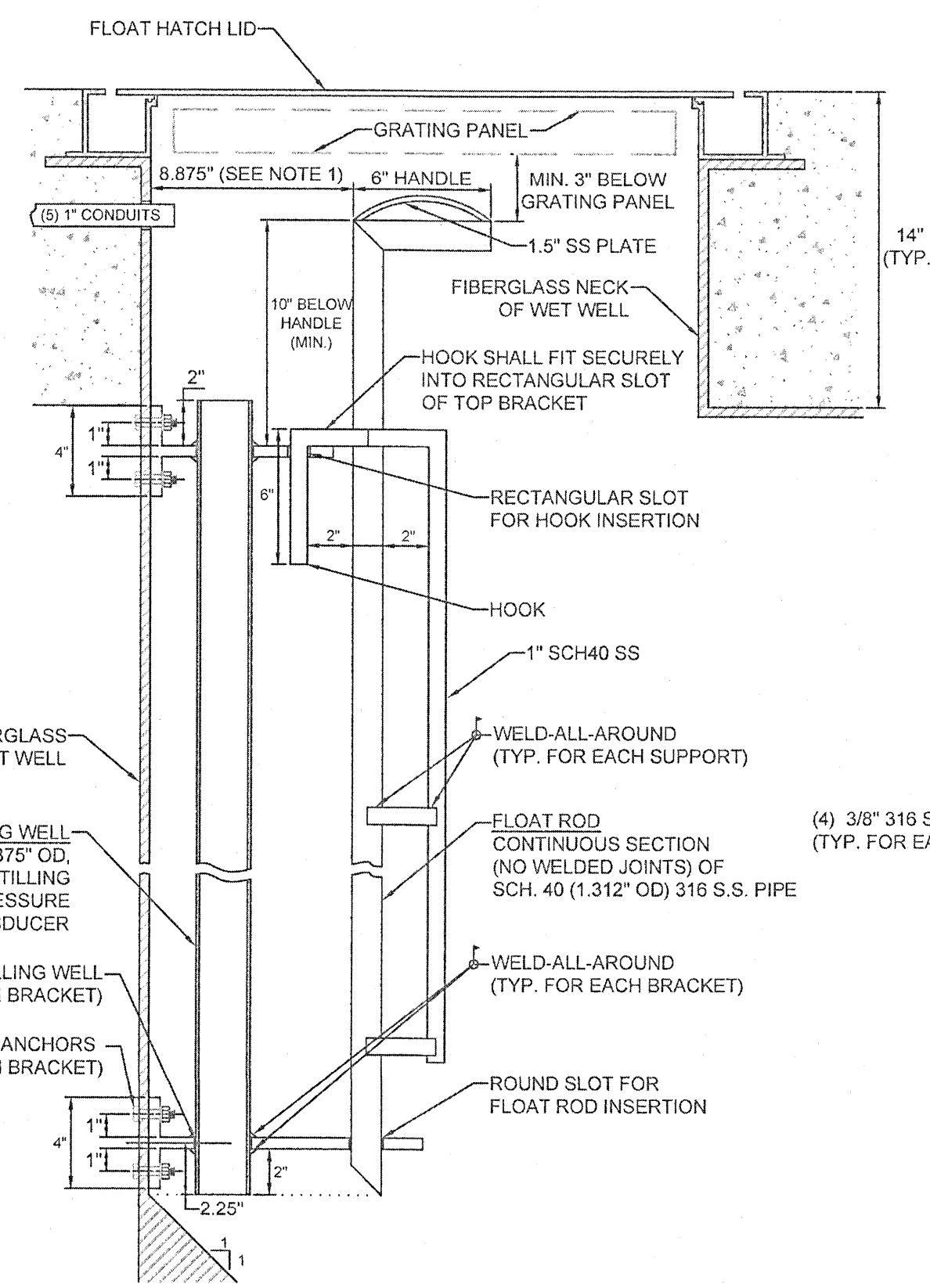
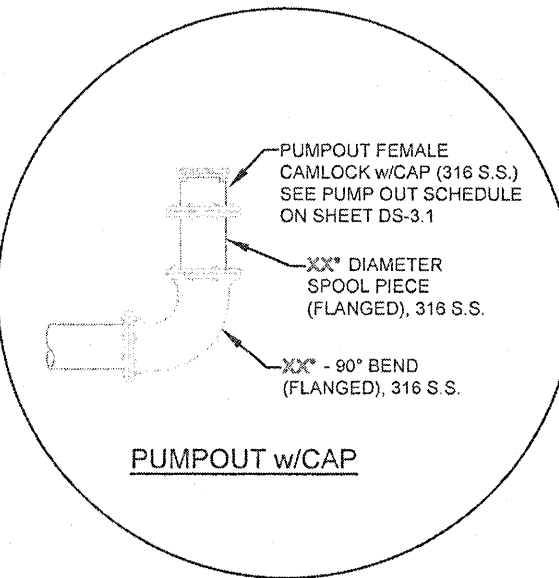
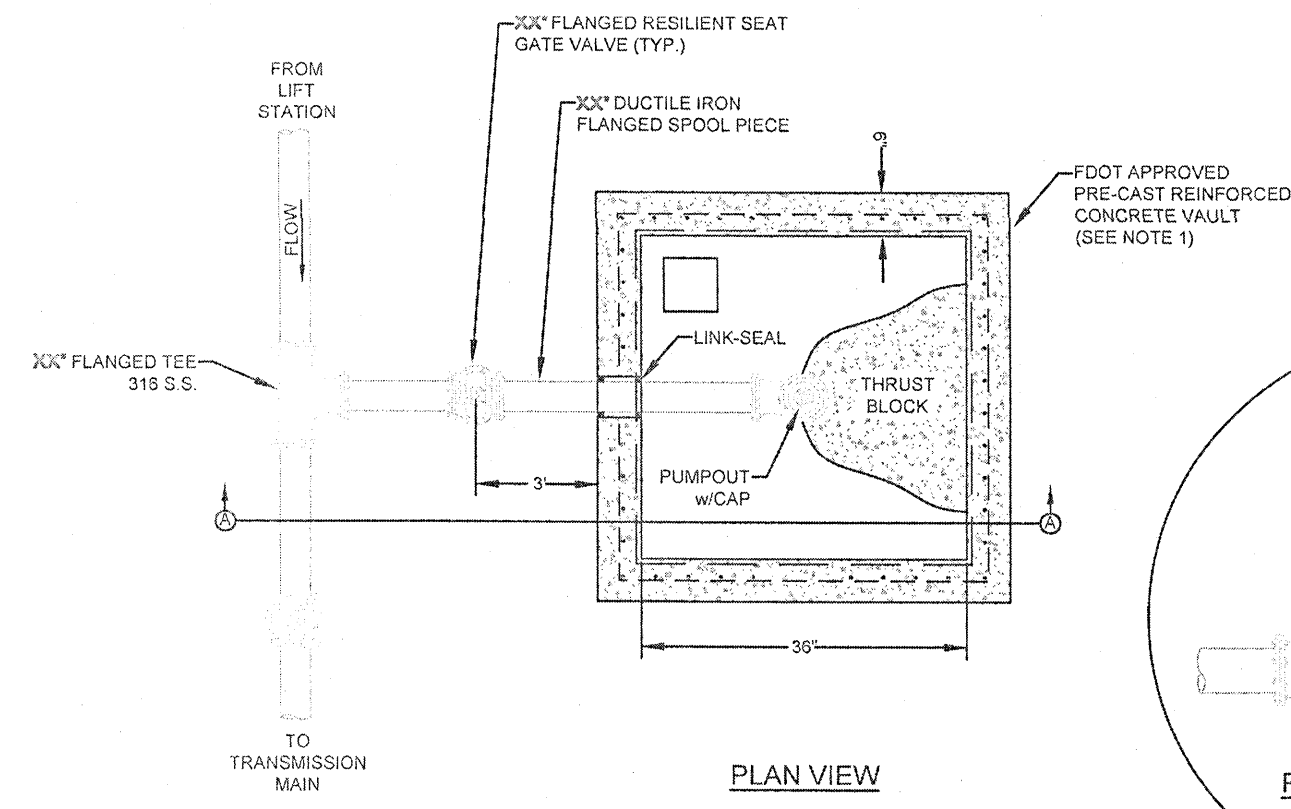
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SHEET NO.



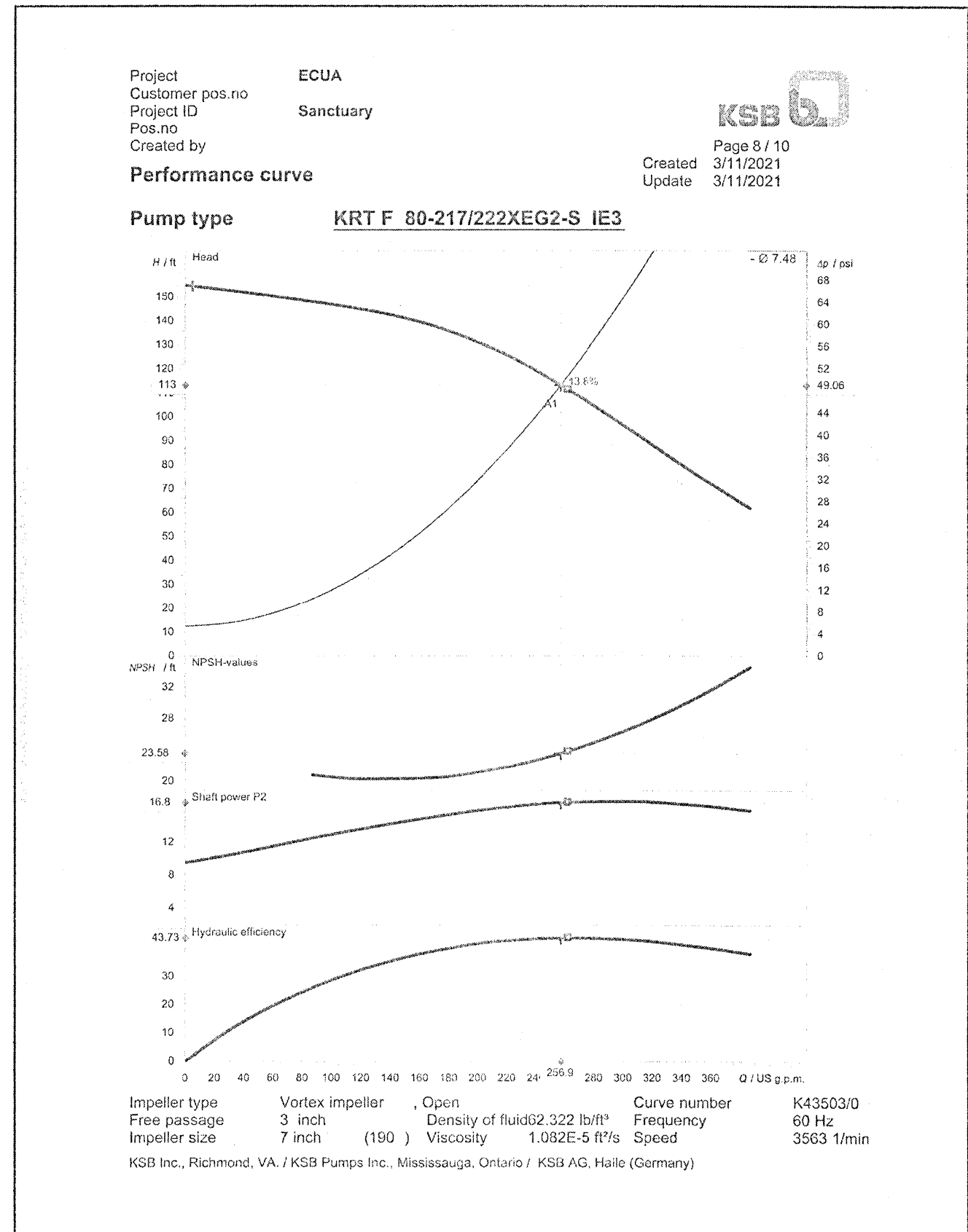
## NOTES

1. REQUIRE SUBMITTAL FOR "STYLE" OF RAIL ATTACHMENT.
2. GUIDE RAILS TO BE 2" MIN. 316 S.S. WELDED OR BOLTED TO PLATE IN A MANNER ACCEPTABLE TO ECUA.

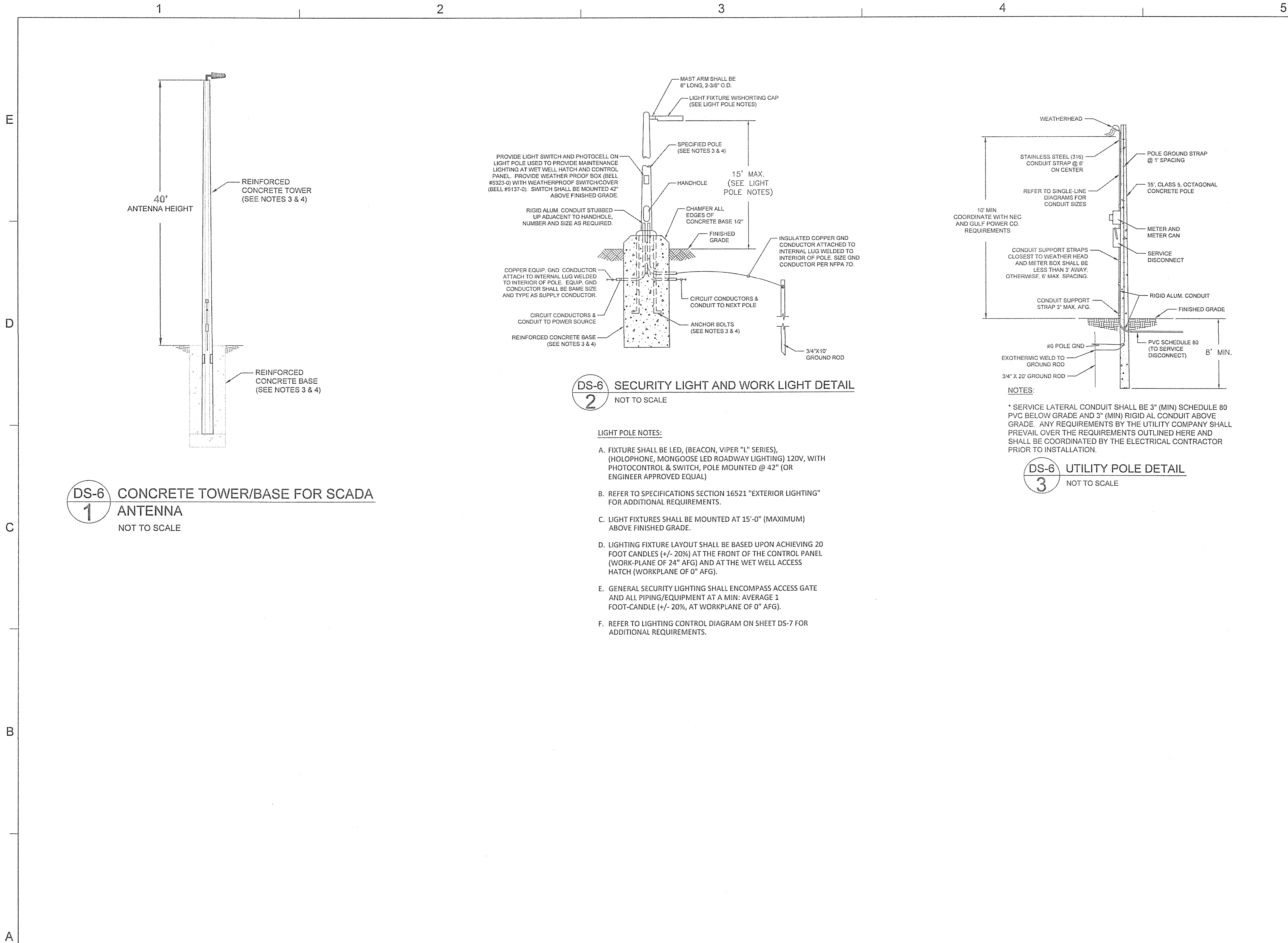
GUIDE RAIL DETAIL  
NOT TO SCALEJ-VENT DETAIL  
NOT TO SCALEINFLUENT PIPE CONNECTION DETAIL  
NOT TO SCALE

## NOTES

1. THE BRACKET DIMENSIONS PROVIDED WITH THIS DETAIL REQUIRE THE FIBERGLASS NECK (FOR HATCH) AND FLOAT ROD PLACEMENT TO BE POSITIONED PER THE DIMENSIONS SHOWN. SHOULD THE CONTRACTOR ALTER THE FIBERGLASS NECK AND FLOAT ROD PLACEMENT DIMENSIONS FROM WHAT IS SHOWN IN THIS DETAIL, THEN CONTRACTOR SHALL SUPPLY NEW BRACKET DRAWINGS WITH NEW DIMENSIONS AS PART OF SHOP DRAWINGS SUBMITTAL.
2. SPACING BETWEEN BRACKETS SHALL NOT BE MORE THAN 10 FEET.

MOUNTING BRACKETS FOR STILLING WELL  
AND FLOAT ROD  
NOT TO SCALE

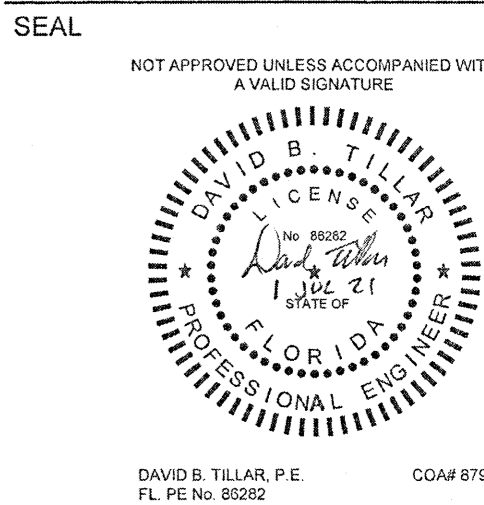
SHEET NO.  
DS-5



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ESCAMBIA COUNTY, FLORIDA



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TITLE  
SANITARY SEWER  
LIFT STATION  
SECTION & DETAILS

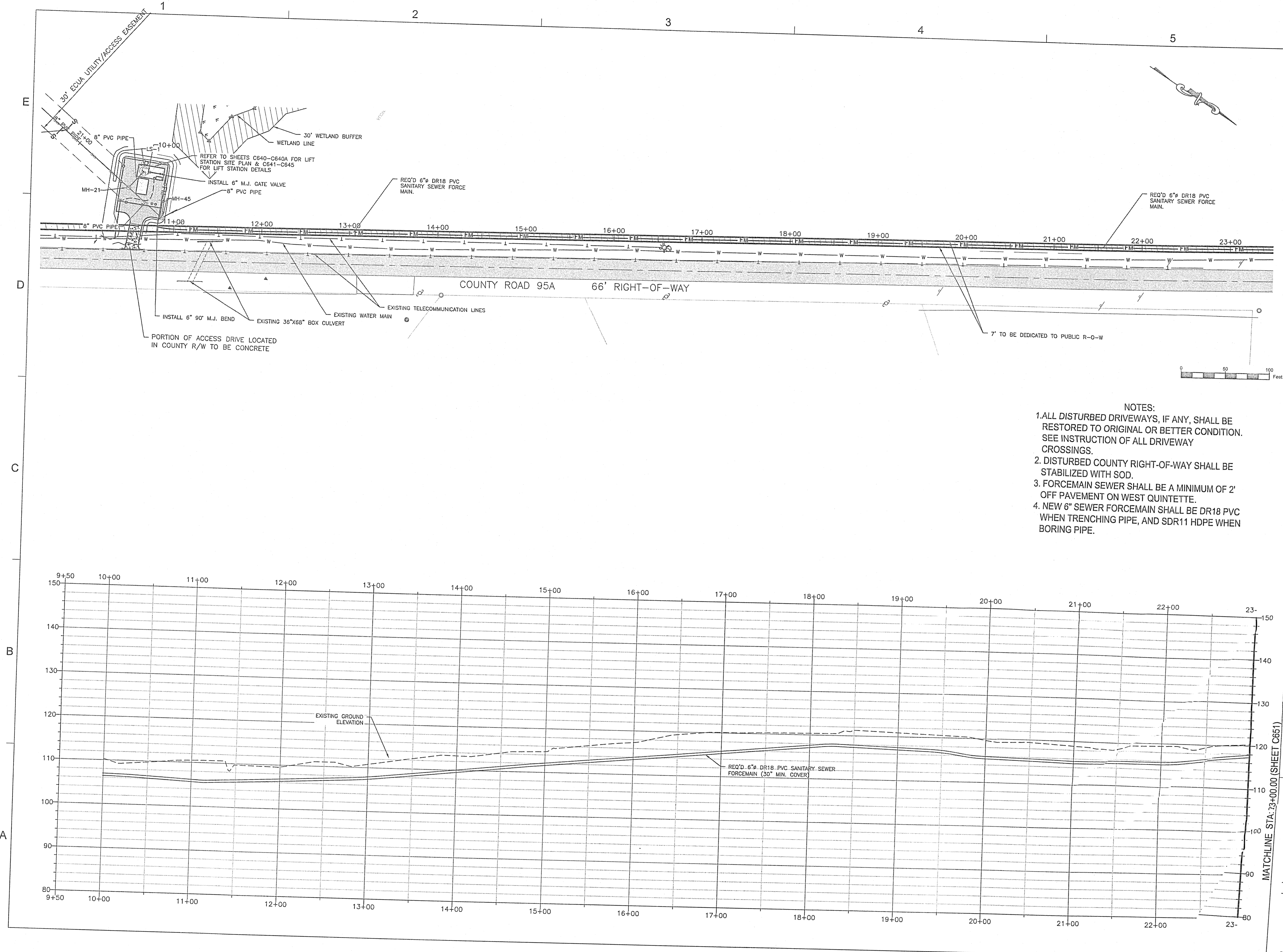
PROJECT NO. 50128595

C644

SHEET NO.



SHEET NO.  
DS-6



- NOTES:
1. ALL DISTURBED DRIVEWAYS, IF ANY, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. SEE INSTRUCTION OF ALL DRIVEWAY CROSSINGS.
  2. DISTURBED COUNTY RIGHT-OF-WAY SHALL BE STABILIZED WITH SOD.
  3. FORCEMAIN SEWER SHALL BE A MINIMUM OF 2' OFF PAVEMENT ON WEST QUINTETTE.
  4. NEW 6" SEWER FORCEMAIN SHALL BE DR18 PVC WHEN TRENCHING PIPE, AND SDR11 HDPE WHEN BORING PIPE.



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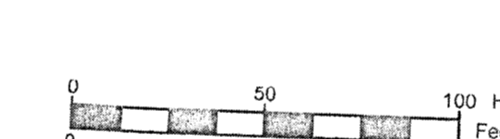
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SANITARY SEWER  
FORCE MAIN PLAN  
AND PROFILES

PROJECT NO. 50128595

SHEET NO.

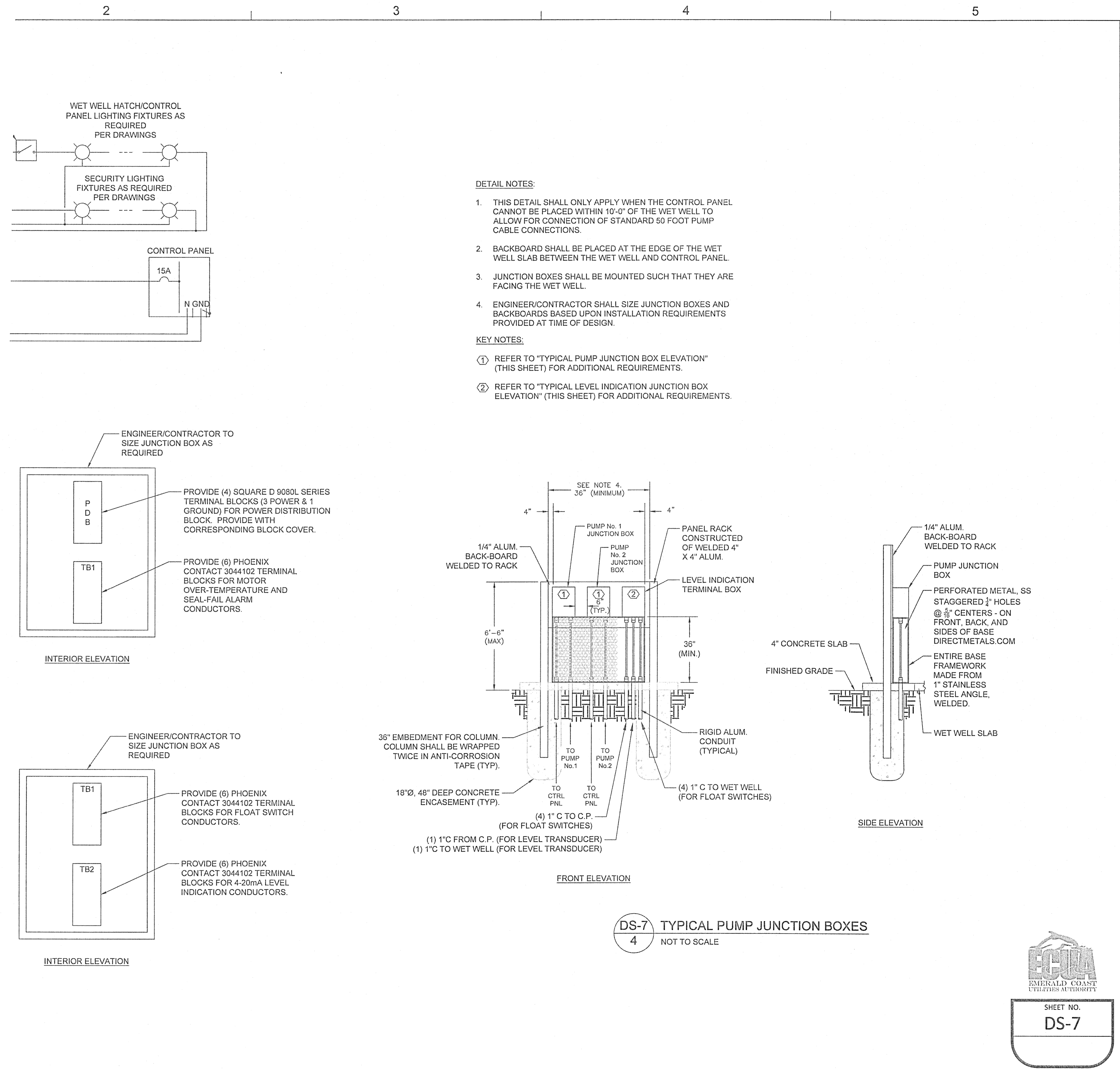
C650

SHEET NO.

C650

SHEET NO.

C650



DETAIL NOTES:

1. THIS DETAIL SHALL ONLY APPLY WHEN THE CONTROL PANEL CANNOT BE PLACED WITHIN 10' OF THE WET WELL TO ALLOW FOR CONNECTION OF STANDARD 50 FOOT PUMP CABLE CONNECTIONS.
2. BACKBOARD SHALL BE PLACED AT THE EDGE OF THE WET WELL SLAB BETWEEN THE WET WELL AND CONTROL PANEL.
3. JUNCTION BOXES SHALL BE MOUNTED SUCH THAT THEY ARE FACING THE WET WELL.
4. ENGINEER/CONTRACTOR SHALL SIZE JUNCTION BOXES AND BACKBOARDS BASED UPON INSTALLATION REQUIREMENTS PROVIDED AT TIME OF DESIGN.

KEY NOTES:

1. REFER TO "TYPICAL PUMP JUNCTION BOX ELEVATION" (THIS SHEET) FOR ADDITIONAL REQUIREMENTS.
2. REFER TO "TYPICAL LEVEL INDICATION JUNCTION BOX ELEVATION" (THIS SHEET) FOR ADDITIONAL REQUIREMENTS.

DS-7  
4  
TYPICAL PUMP JUNCTION BOXES  
NOT TO SCALE

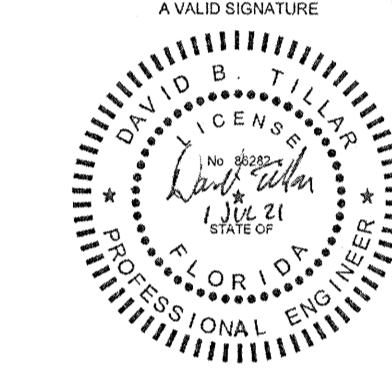


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LIFT STATION  
SECTION & DETAILS

PROJECT NO. 50128595

SHEET NO.

DS-7

SHEET NO.

C645

SHEET NO.

C645

SHEET NO.

C645

SHEET NO.

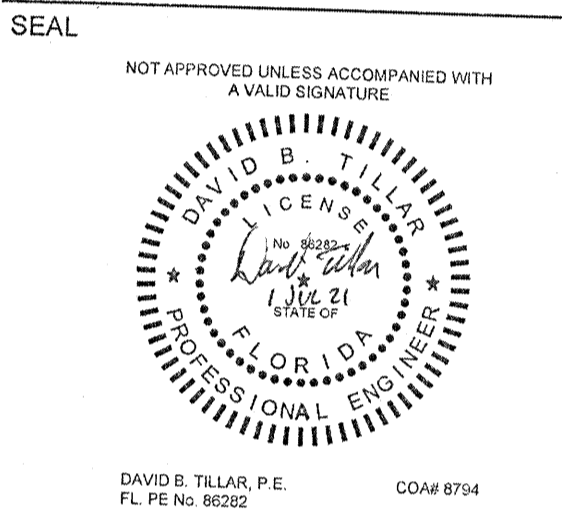
C645

SHEET NO.

C645

SHEET NO.

C645



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NO.	DESCRIPTION	DATE

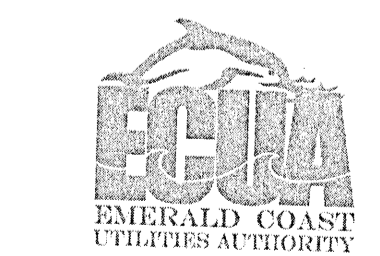
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TITLE  
**SANITARY SEWER  
LIFT STATION  
SECTION & DETAILS**

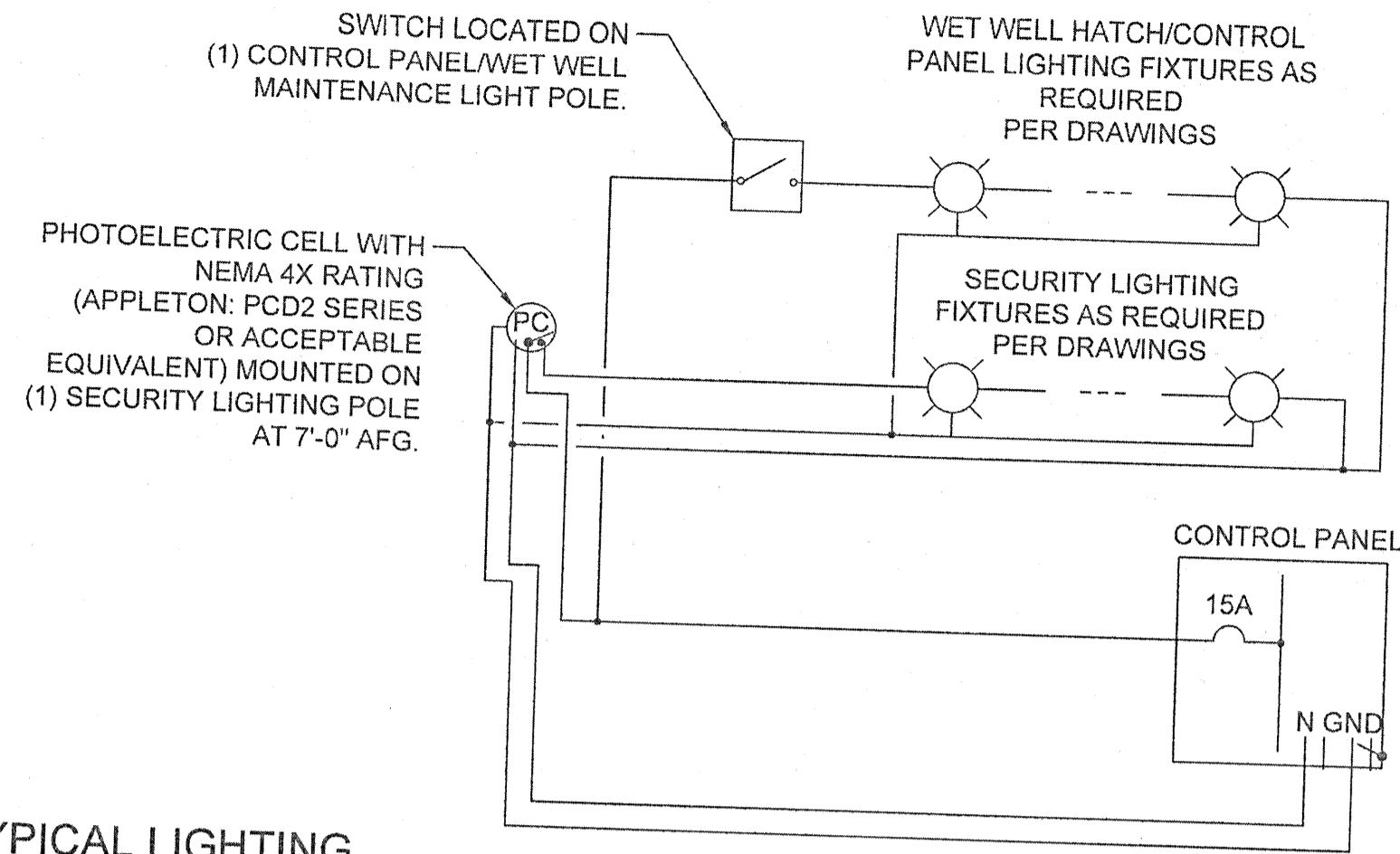
PROJECT NO. 50128595

**C645**

SHEET NO.



SHEET NO.  
**DS-7**

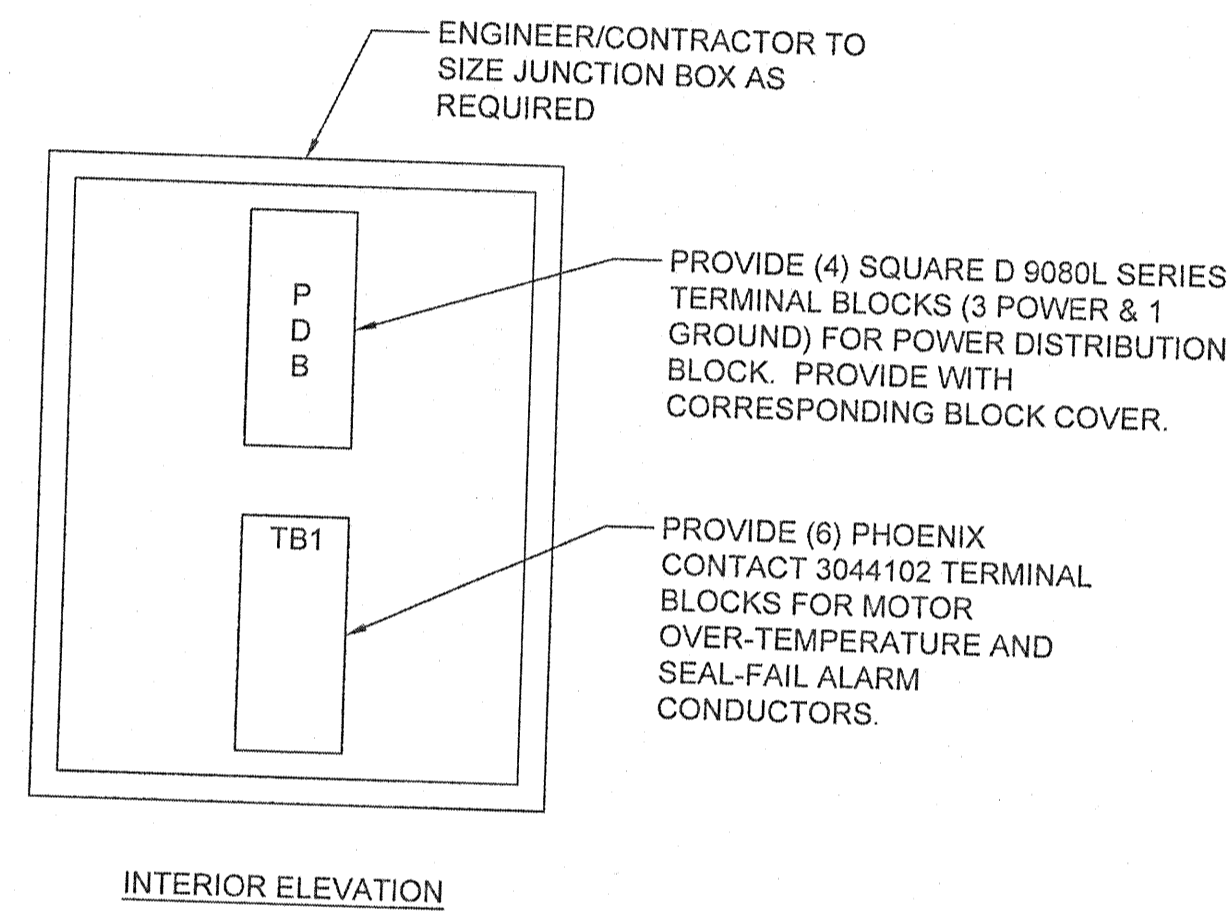


**DS-7  
1** **TYPICAL LIGHTING  
CONTROL DIAGRAM**  
NOT TO SCALE

**DETAIL NOTES:**

- ALL TERMINAL BLOCKS SHALL BE PROVIDED WITH CORRESPONDING END BRACKETS AND END COVERS.
- PROVIDE SEPARATE GROUND LUG IN EACH JUNCTION BOX, BONDED TO JUNCTION BOX.

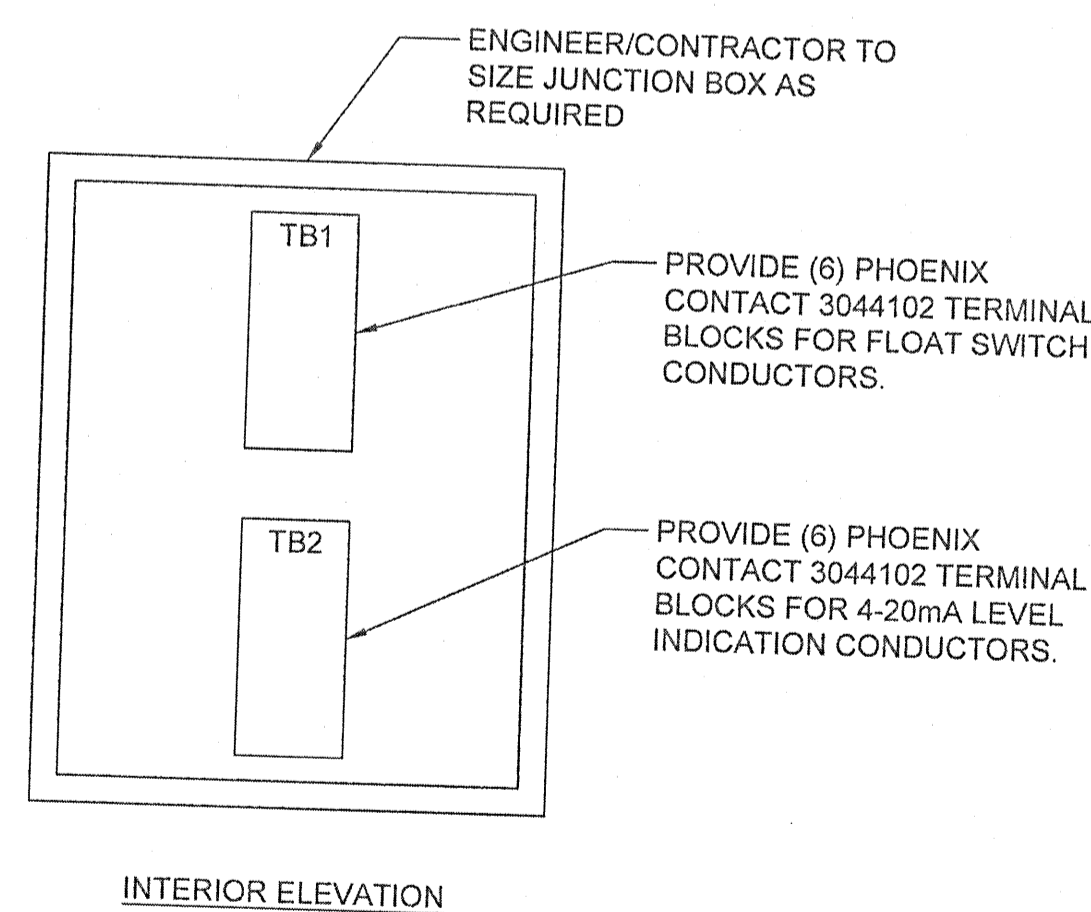
**DS-7  
2** **TYPICAL PUMP  
JUNCTION BOX ELEVATION**  
NOT TO SCALE



**DETAIL NOTES:**

- ALL TERMINAL BLOCKS SHALL BE PROVIDED WITH CORRESPONDING END BRACKETS AND END COVERS.
- PROVIDE SEPARATE GROUND LUG IN EACH JUNCTION BOX, BONDED TO JUNCTION BOX.

**DS-7  
3** **TYPICAL LEVEL INDICATION  
JUNCTION BOX ELEVATION**  
NOT TO SCALE

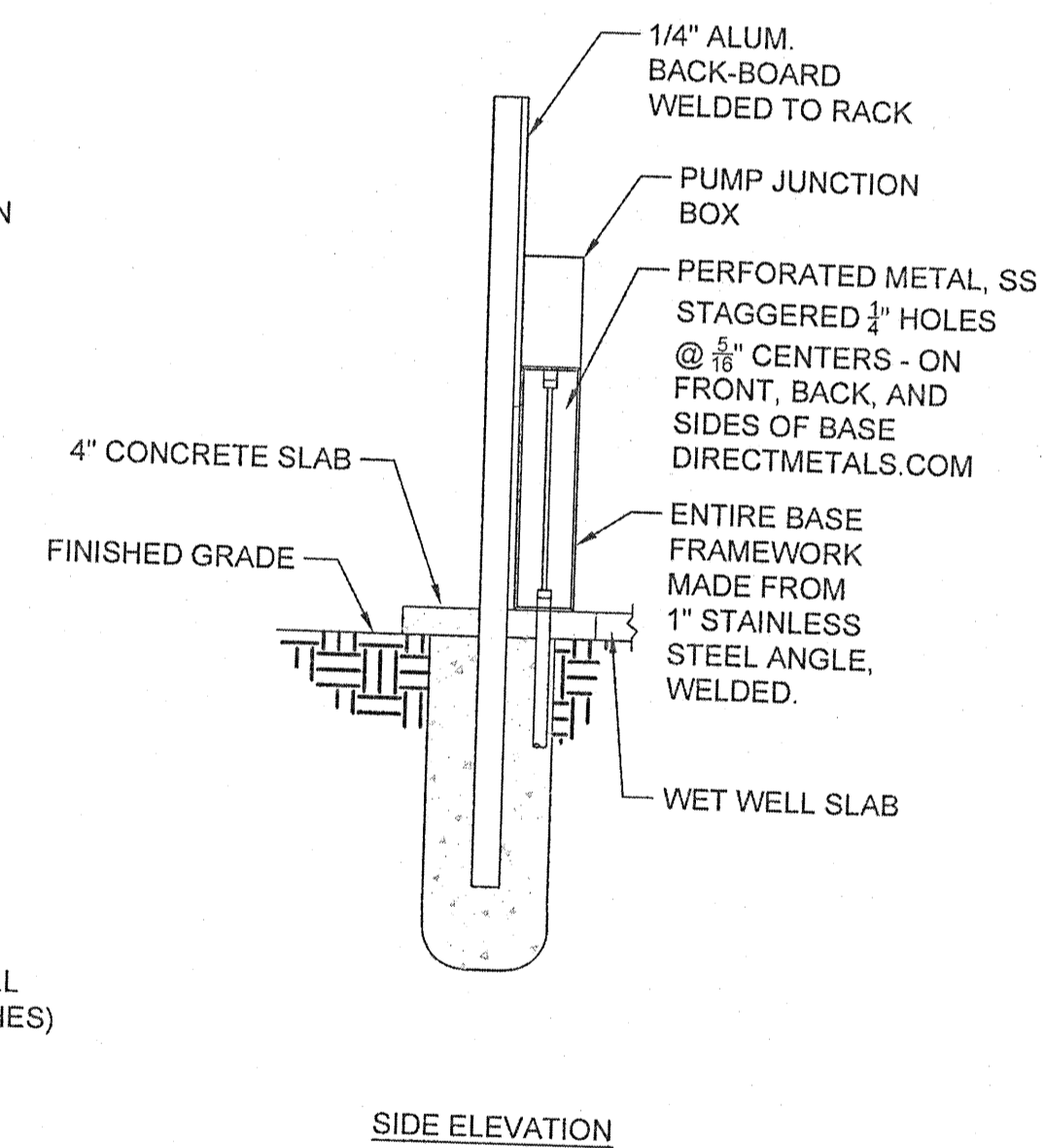
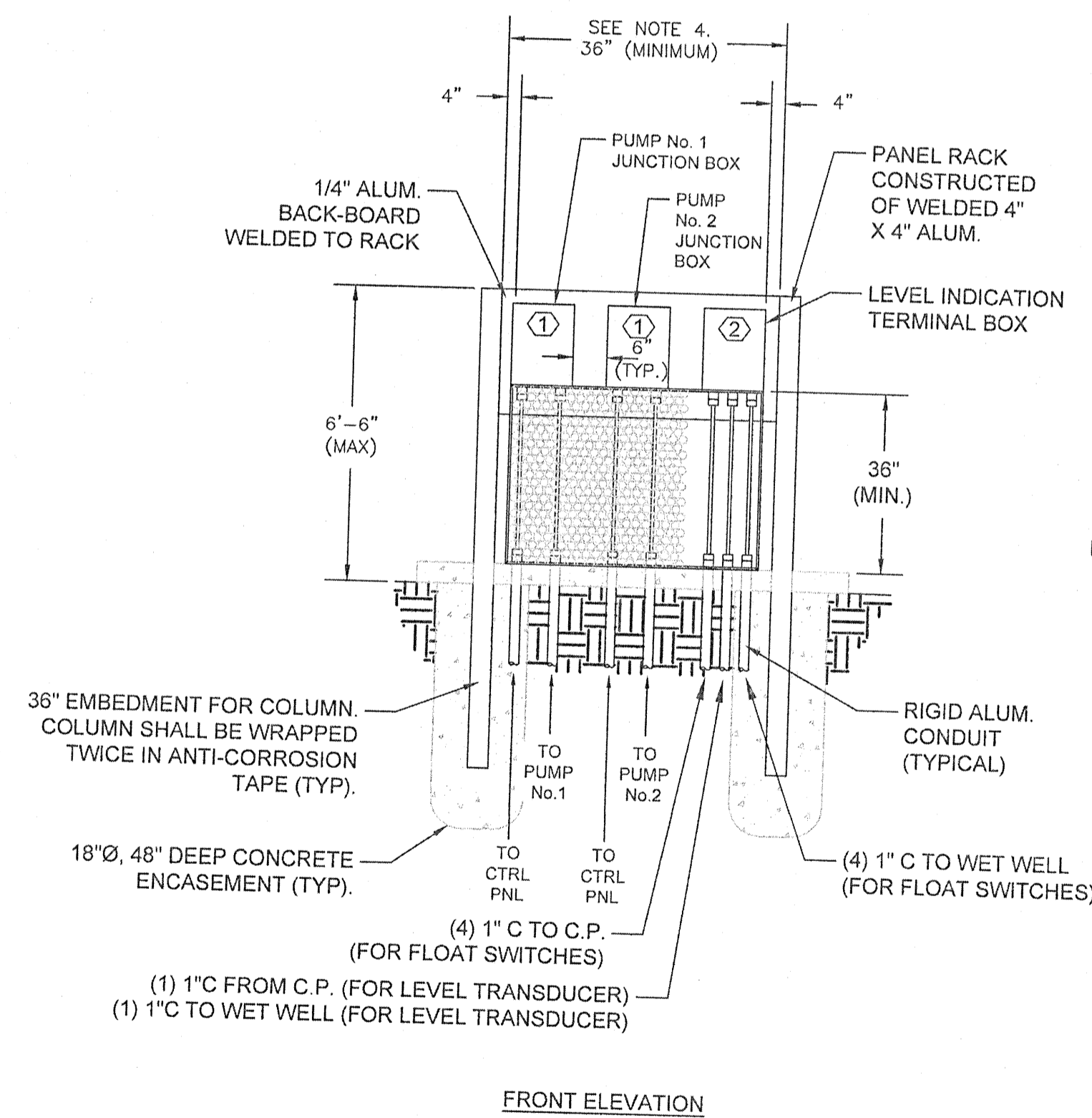


**DETAIL NOTES:**

- THIS DETAIL SHALL ONLY APPLY WHEN THE CONTROL PANEL CANNOT BE PLACED WITHIN 10'-0" OF THE WET WELL TO ALLOW FOR CONNECTION OF STANDARD 50 FOOT PUMP CABLE CONNECTIONS.
- BACKBOARD SHALL BE PLACED AT THE EDGE OF THE WET WELL SLAB BETWEEN THE WET WELL AND CONTROL PANEL.
- JUNCTION BOXES SHALL BE MOUNTED SUCH THAT THEY ARE FACING THE WET WELL.
- ENGINEER/CONTRACTOR SHALL SIZE JUNCTION BOXES AND BACKBOARDS BASED UPON INSTALLATION REQUIREMENTS PROVIDED AT TIME OF DESIGN.

**KEY NOTES:**

- REFER TO "TYPICAL PUMP JUNCTION BOX ELEVATION" (THIS SHEET) FOR ADDITIONAL REQUIREMENTS.
- REFER TO "TYPICAL LEVEL INDICATION JUNCTION BOX ELEVATION" (THIS SHEET) FOR ADDITIONAL REQUIREMENTS.



**DS-7  
4** **TYPICAL PUMP JUNCTION BOXES**  
NOT TO SCALE



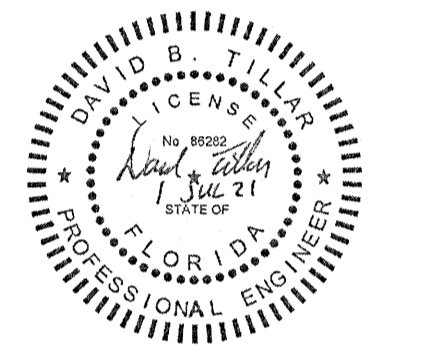
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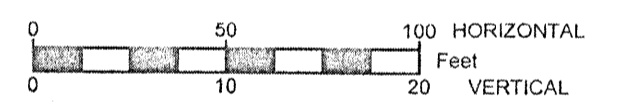


DAVID B. TELLAR, P.E.  
FL PE No. 86282

COA# 8734

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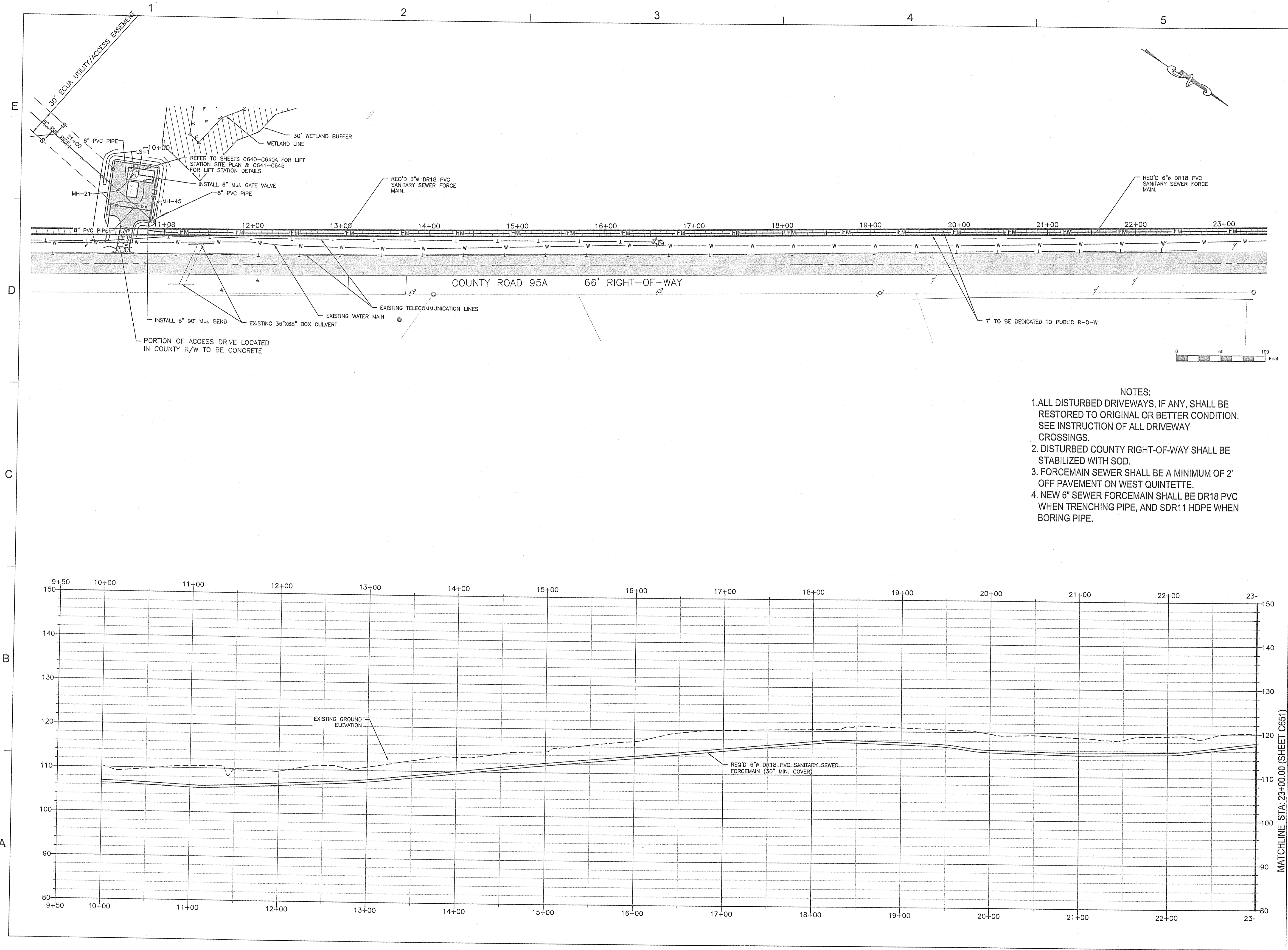
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SANITARY SEWER  
FORCE MAIN PLAN  
AND PROFILES

PROJECT NO. 50128595

C650

SHEET NO.





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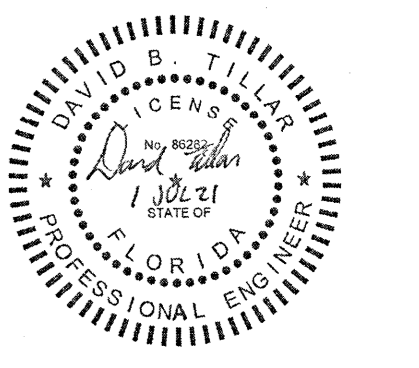
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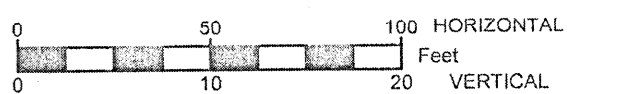


DAVID B. TILLAR, P.E.  
FL. PE. NO. 100231

COAF 8754

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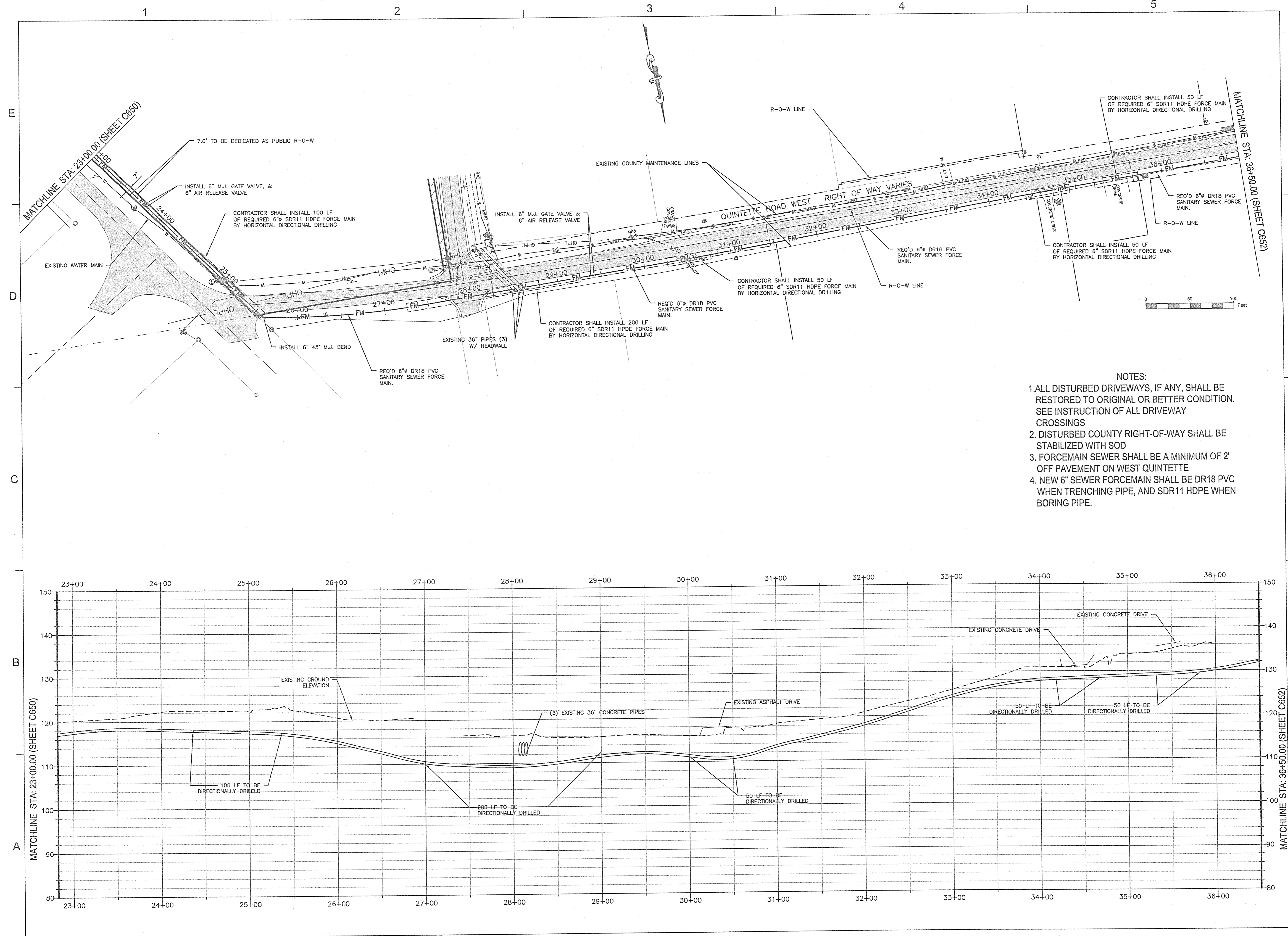
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## SANITARY SEWER FORCE MAIN PLAN AND PROFILES

PROJECT NO. 50128595

# C651

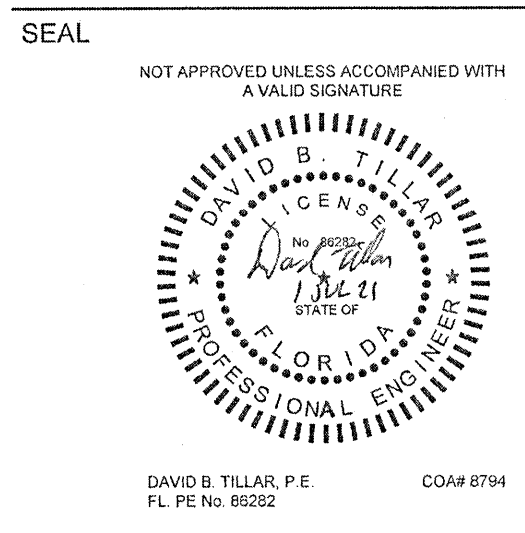
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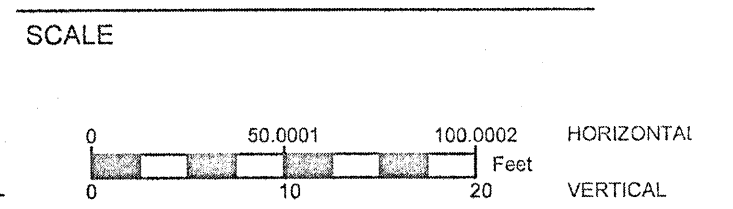


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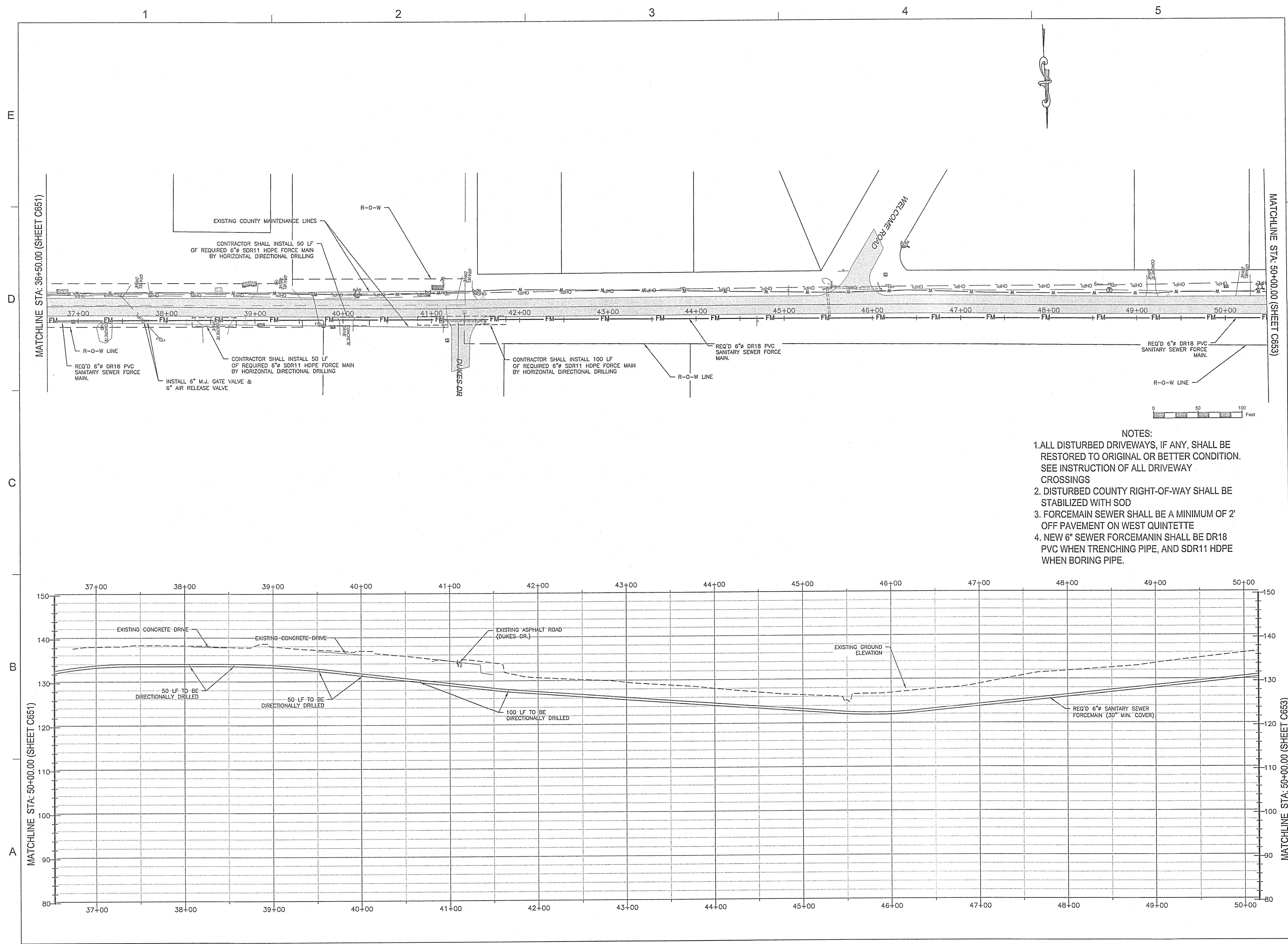
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TITLE  
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FORCE MAIN PLAN  
AND PROFILES**

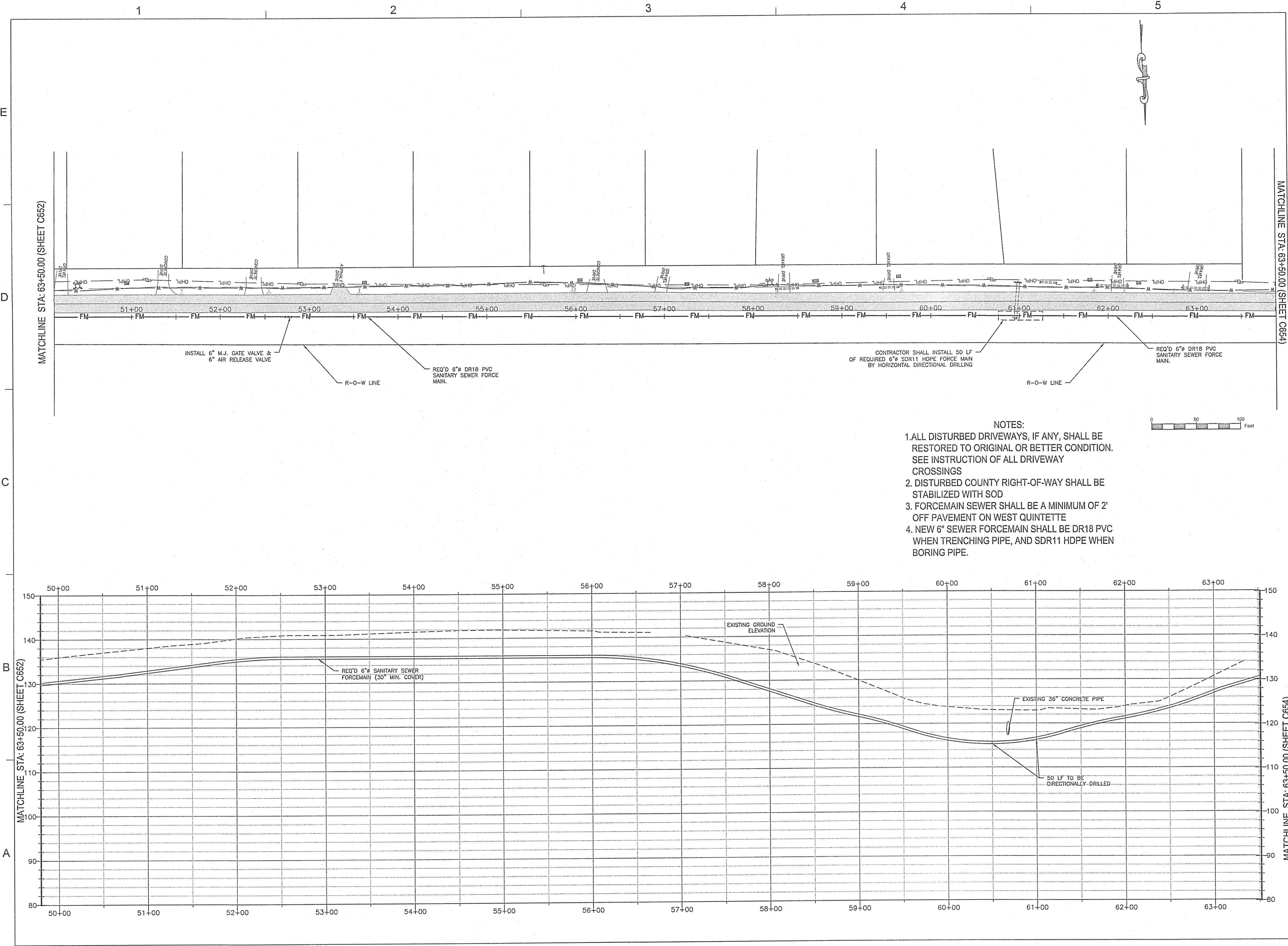
PROJECT NO. 50128595

**C652**

SHEET NO.



- NOTES:
1. ALL DISTURBED DRIVEWAYS, IF ANY, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. SEE INSTRUCTION OF ALL DRIVEWAY CROSSINGS
  2. DISTURBED COUNTY RIGHT-OF-WAY SHALL BE STABILIZED WITH SOD
  3. FORCEMAIN SEWER SHALL BE A MINIMUM OF 2' OFF PAVEMENT ON WEST QUINTETTE
  4. NEW 6" SEWER FORCEMAIN SHALL BE DR18 PVC WHEN TRENCHING PIPE, AND SDR11 HDPE WHEN BORING PIPE.

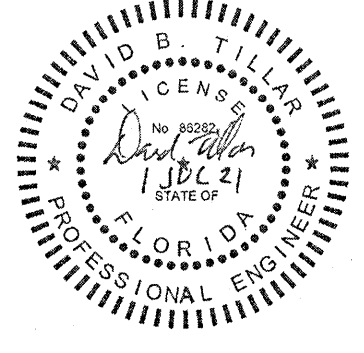


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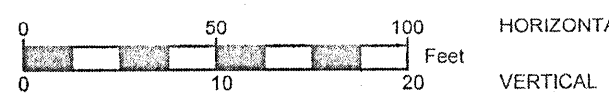


DAVID B. TILLER, P.E.  
FL. P.E. NO. 138621

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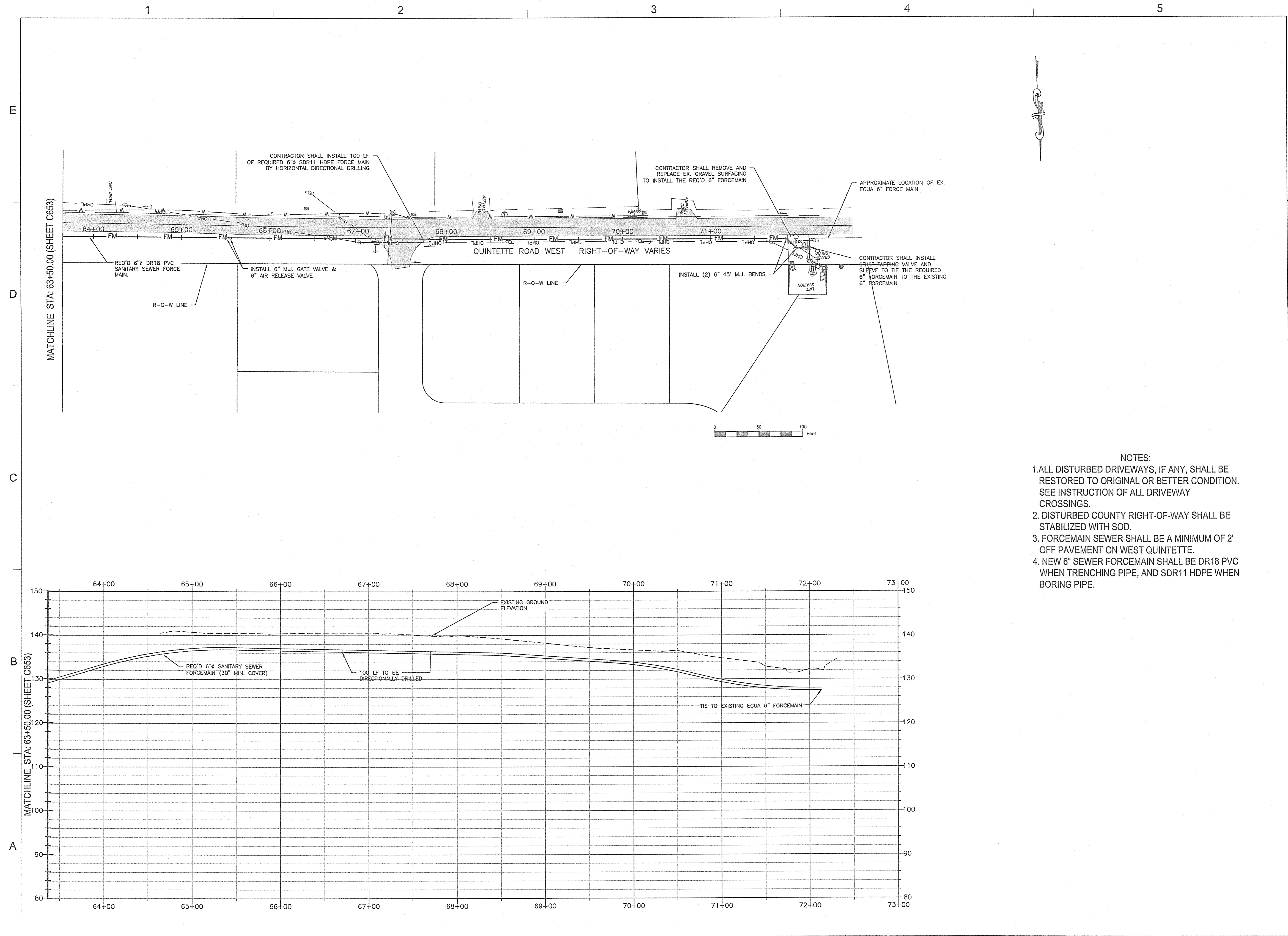
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SANITARY SEWER  
FORCE MAIN PLAN  
AND PROFILES

PROJECT NO. 50128595

C653

SHEET NO.

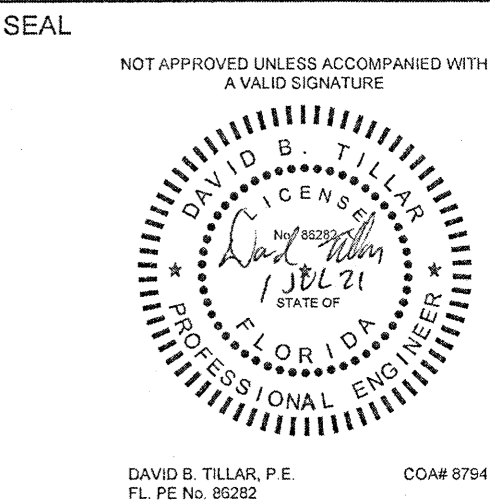


- NOTES:
1. ALL DISTURBED DRIVEWAYS, IF ANY, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. SEE INSTRUCTION OF ALL DRIVEWAY CROSSINGS.
  2. DISTURBED COUNTY RIGHT-OF-WAY SHALL BE STABILIZED WITH SOD.
  3. FORCEMAIN SEWER SHALL BE A MINIMUM OF 2' OFF PAVEMENT ON WEST QUINTETTE.
  4. NEW 6" SEWER FORCEMAIN SHALL BE DR18 PVC WHEN TRENCHING PIPE, AND SDR11 HDPE WHEN BORING PIPE.

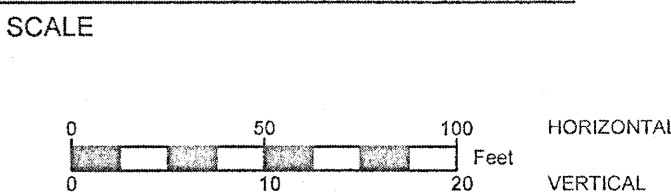


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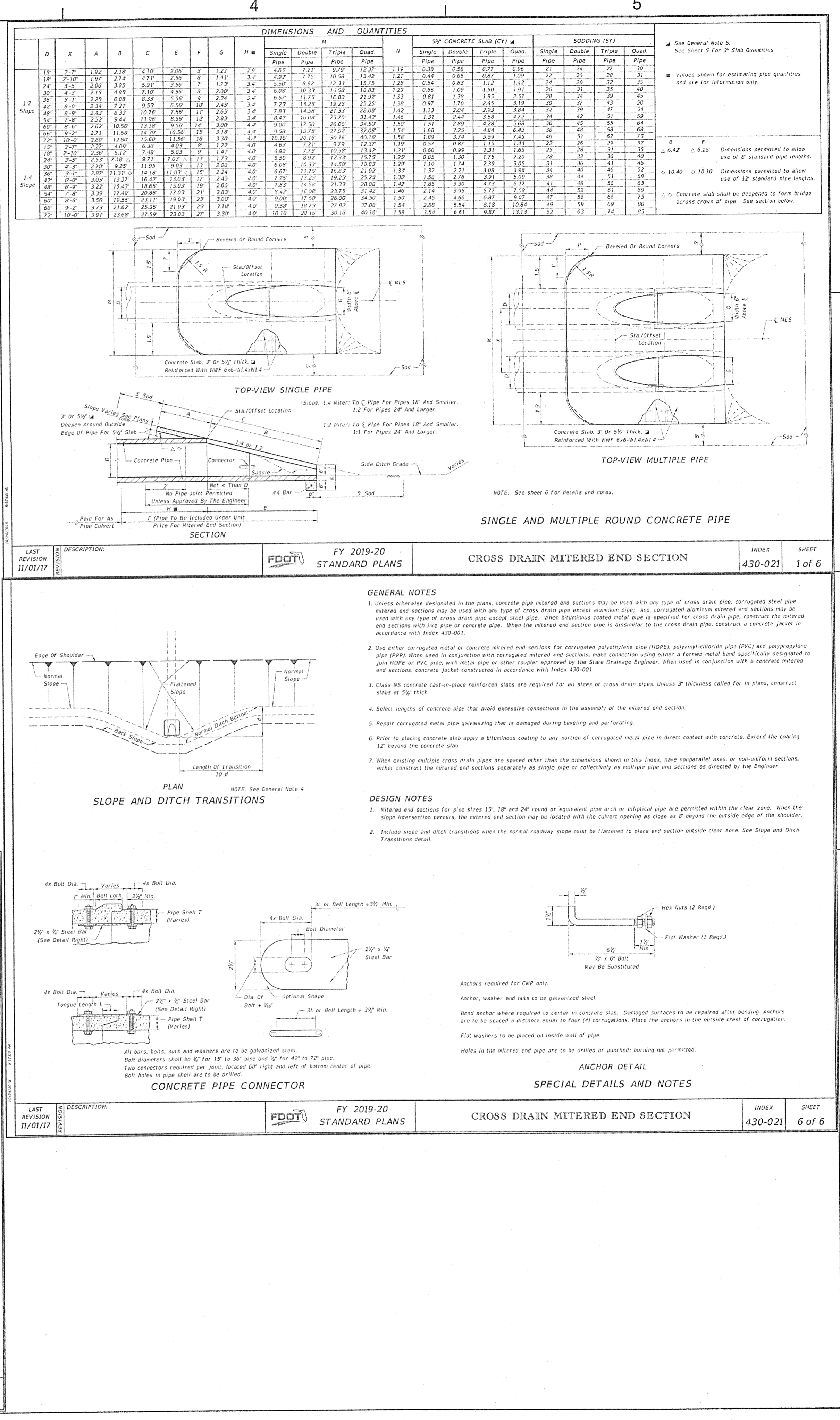
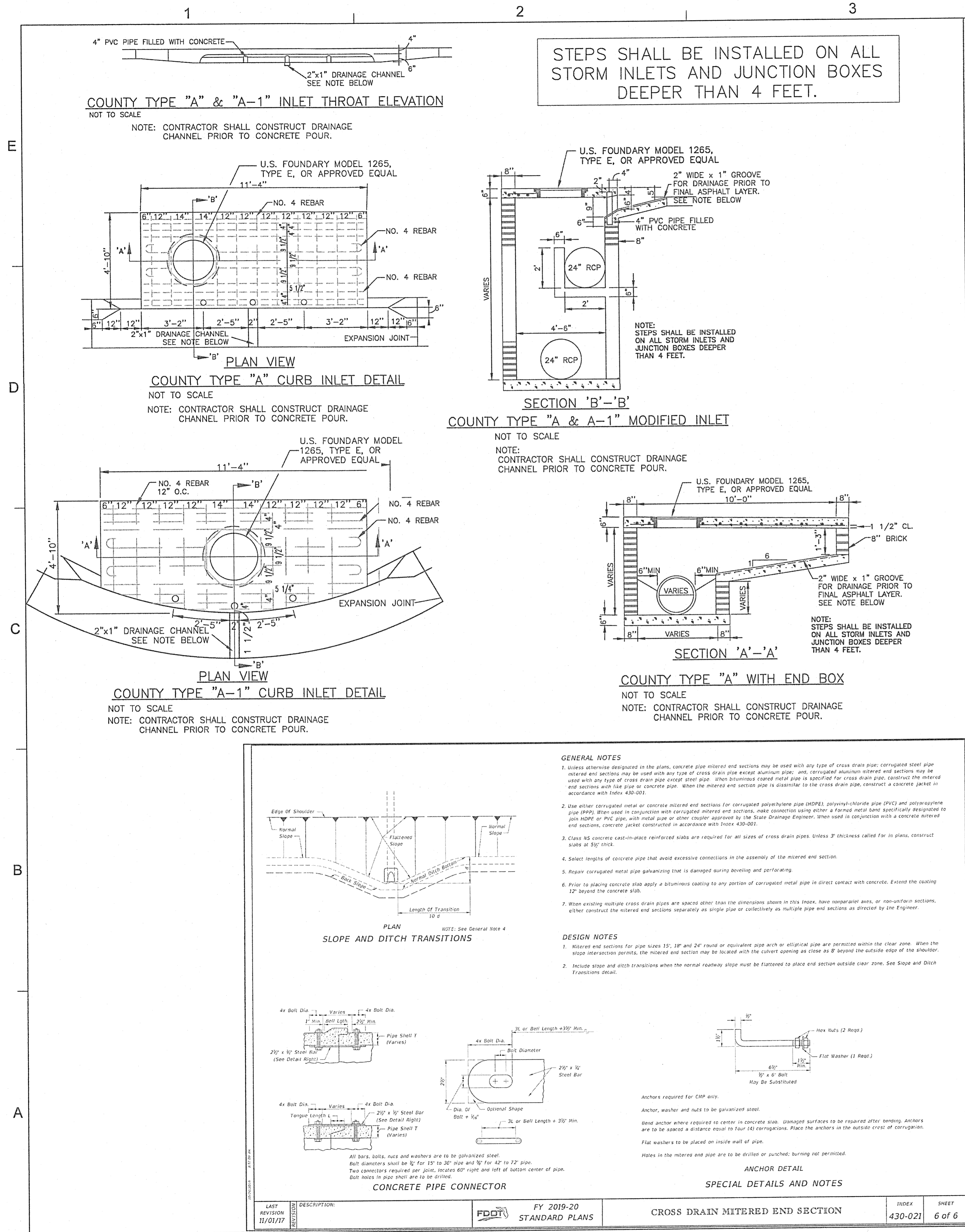
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TITLE  
SANITARY SEWER  
FORCE MAIN PLAN  
AND PROFILES

PROJECT NO. 50128595

C654

SHEET NO.



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DAVID B. TILAR, P.E.  
FL. PE. No. 68232

COAW 8794

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DATE OCTOBER 2020

TITLE

CONSTRUCTION DETAILS

PROJECT NO. 50128595

C700

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FL. P.E. No. 12156  
CO#A 8794

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SCALE

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APPROVED BY DBT  
CHECKED BY JMB  
DATE OCTOBER 2020  
TITLE

CONSTRUCTION  
DETAILS

PROJECT NO. 50128595

C701

SHEET NO.

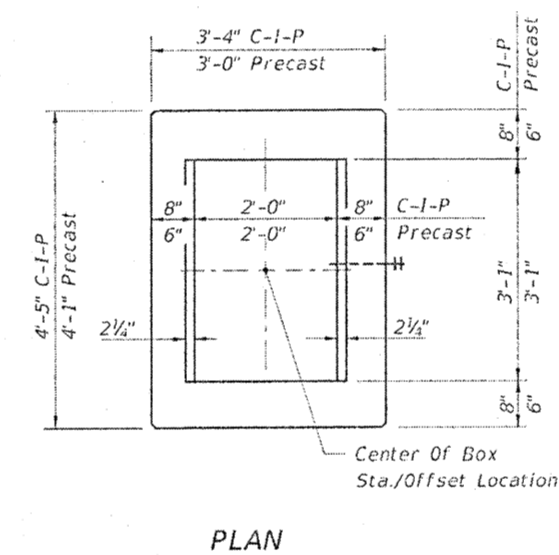
STEPS SHALL BE INSTALLED ON ALL  
STORM INLETS AND JUNCTION BOXES  
DEEPER THAN 4 FEET.

Type	Structure/Riser Diameter (ft)	Cast-In-Place Items Class II Concrete		Precast Items Class II Concrete		ASTM C478	
		Riser (in.)	Bottom (in.)	Riser (in.)	Bottom (in.)	I <sub>r</sub> or I <sub>b</sub> (in.)	A <sub>v</sub> *** (in. <sup>2</sup> /ft.)
P	3'-6"	6	8	0.20	6	8	0.105
P	4'-0"	6	8	0.20	6	8	0.120
J	5'-0"	-	8	0.20	-	8	0.150
J	6'-0"	-	8	0.20	-	8	0.160
J	7'-0"	-	8	0.20	-	8	0.210
J	8'-0"	-	8	0.20	-	8	0.240
J	10'-0"	-	10	0.40#	-	10	0.300
J	12'-0"	-	10	0.40#	-	12	0.360

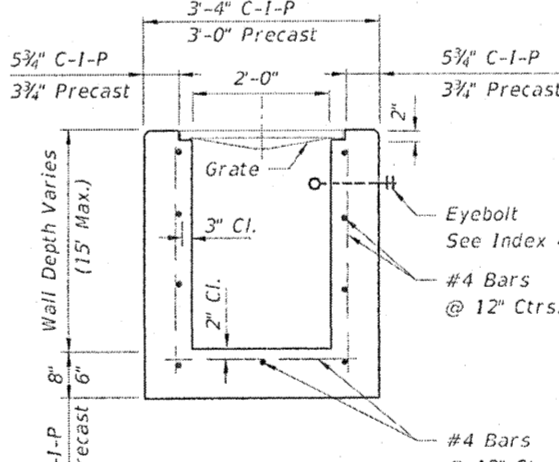
TABLE 1 NOTES:  
\*\*Provide 0.20 sq. in./ft. at each face, 12" max. bar spacing.  
\*\*\*Modified minimum wall thickness.  
\*\*\*Min. total circumferential reinforcement for continuous steel hoops:  
A<sub>v</sub> = 0.80 sq. in. for riser section height equal or less than 2'-0" (2 hoop min.)  
A<sub>v</sub> = 0.60 sq. in. for riser section height more than 2'-0" up to 4'-0" (3 hoop min.)  
Area of reinforcing for precast items are based on Grade 60 reinforcing.  
No reduction in the area of reinforcement is allowed for welded wire fabric in Table 1.  
Area of vertical reinforcing may be reduced in accordance with ASTM C478.

Type	Wall Length (ft)	Max. Depth (ft)	Wall Thickness (t)	
			CIP (in.)	Precast (in.)
P	≤ 3'-0"	40	6 Riser 8 Bottom	6
J	4'-0"	40	8	6
J	5'-0"	22	-	6
J	6'-0"	15	-	6
J	5'-0" to 9'-0"	40	8	8
J	10'-0"	26	8	8
J	10'-0" to 12'-0"	40	10	9
J	16'-0"	25	-	9
J	16'-0"	40	10	10
J	20'-0"	25	-	9
J	20'-0"	30	10	10

TABLE 2 NOTES:  
See Table 8 for Reinforcing Schedule.



PLAN



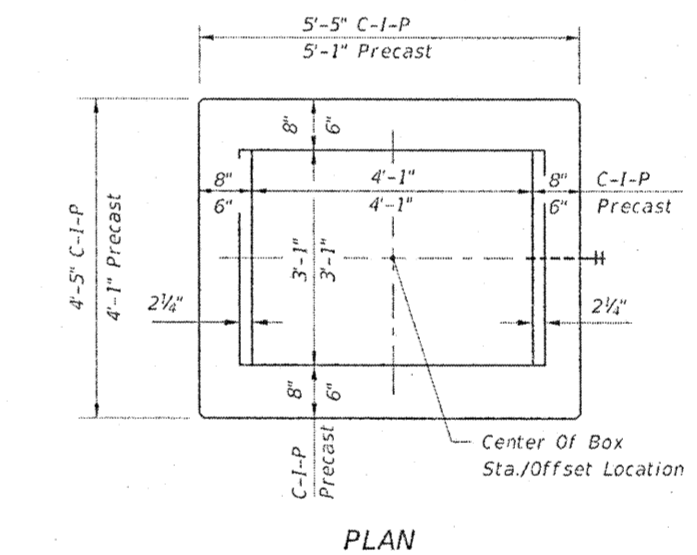
SECTION

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 1)

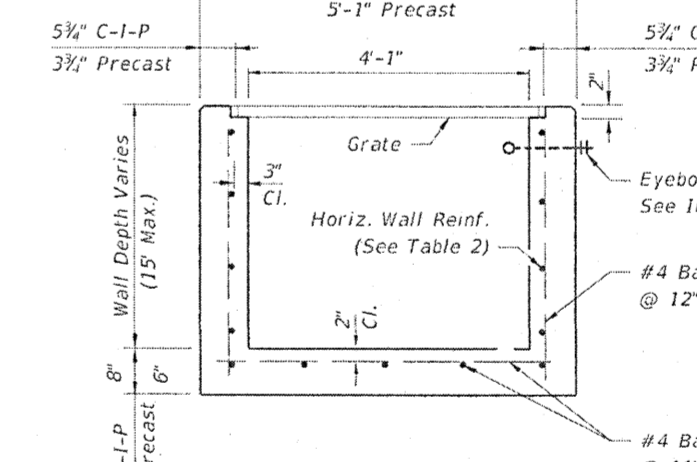
WALL DEPTH	SCHEDULE	AREA (in. <sup>2</sup> /ft.)	MAX. SPACING BARS WWF
0'-15"	A12	0.20	12"

TYPE C

Recommended Maximum Pipe Size:  
2'-0" Wall - 18" Pipe  
3'-1" Wall - 24" Pipe (18" where an 18" pipe enters a 2'-0" wall)



PLAN



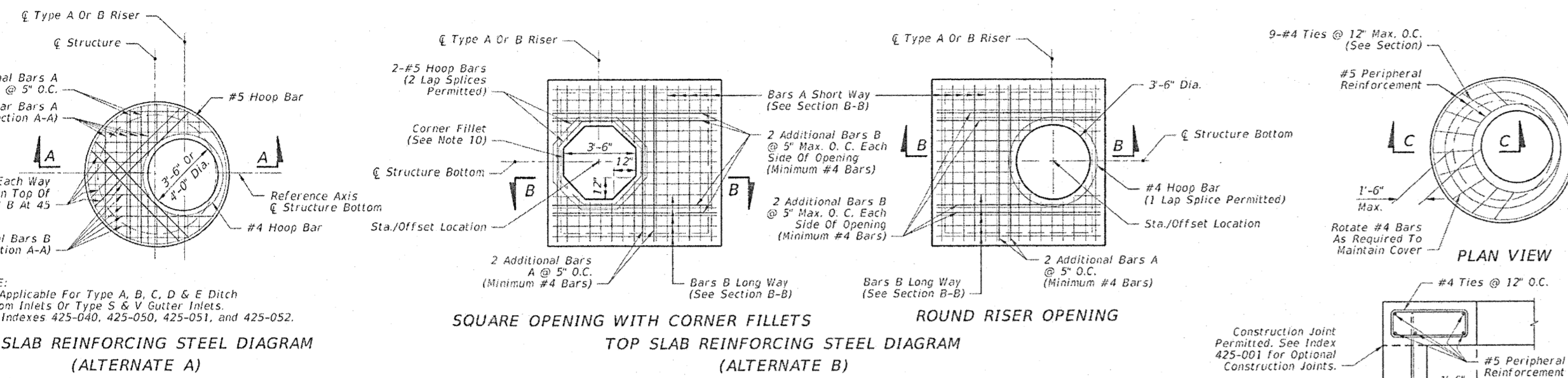
SECTION

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 2)

WALL DEPTH	SCHEDULE	AREA (in. <sup>2</sup> /ft.)	MAX. SPACING BARS WWF
0'-6"	A12	0.20	12"
6'-10"	A6	0.20	6"
10'-13"	A4	0.20	4"
10'-15"	B5.5	0.24	5 1/2"

TYPE D

Recommended Maximum Pipe Size:  
3'-1" Wall - 24" Pipe  
4'-1" Wall - 36" Pipe

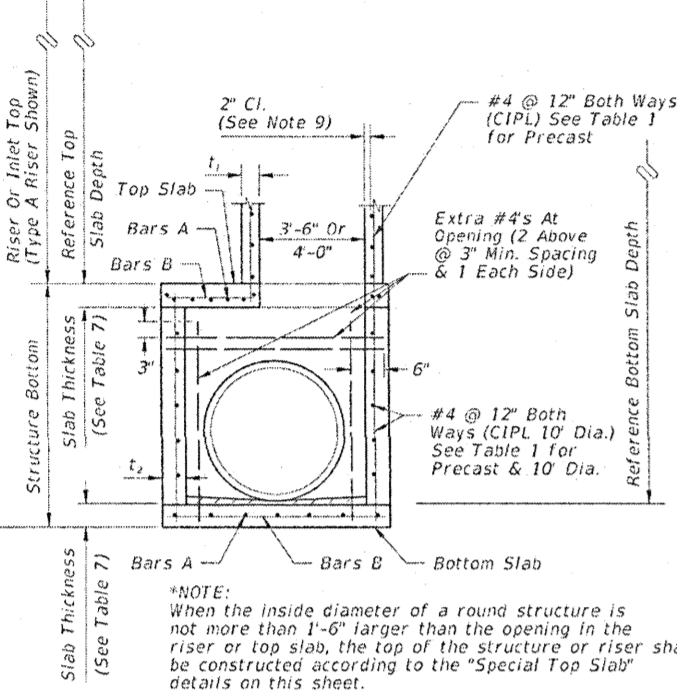


TOP SLAB REINFORCING STEEL DIAGRAM (ALTERNATE A)

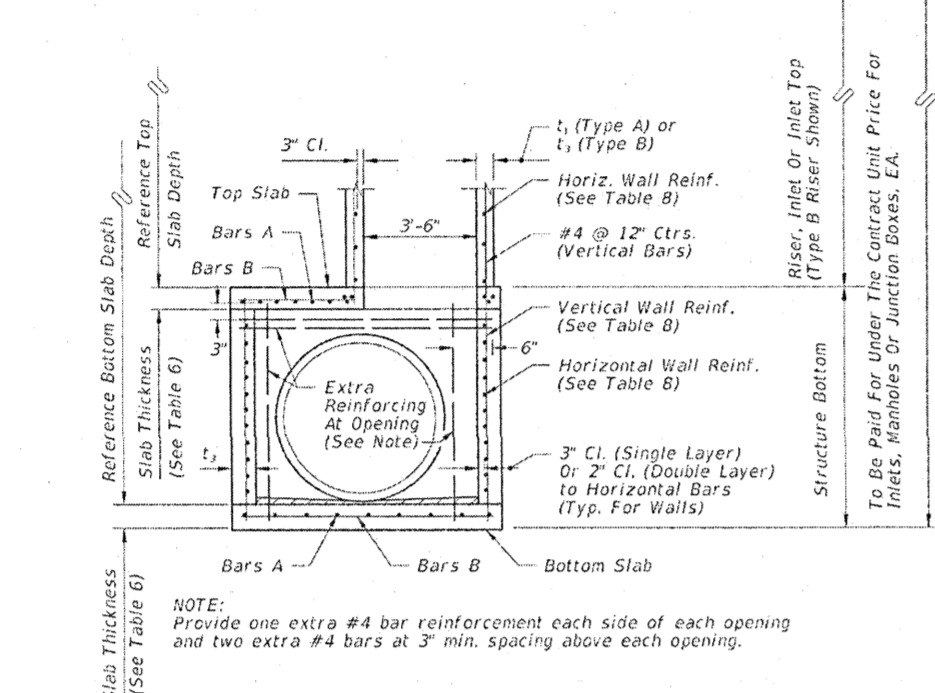
TOP SLAB REINFORCING STEEL DIAGRAM (ALTERNATE B)

ROUND RISER OPENING

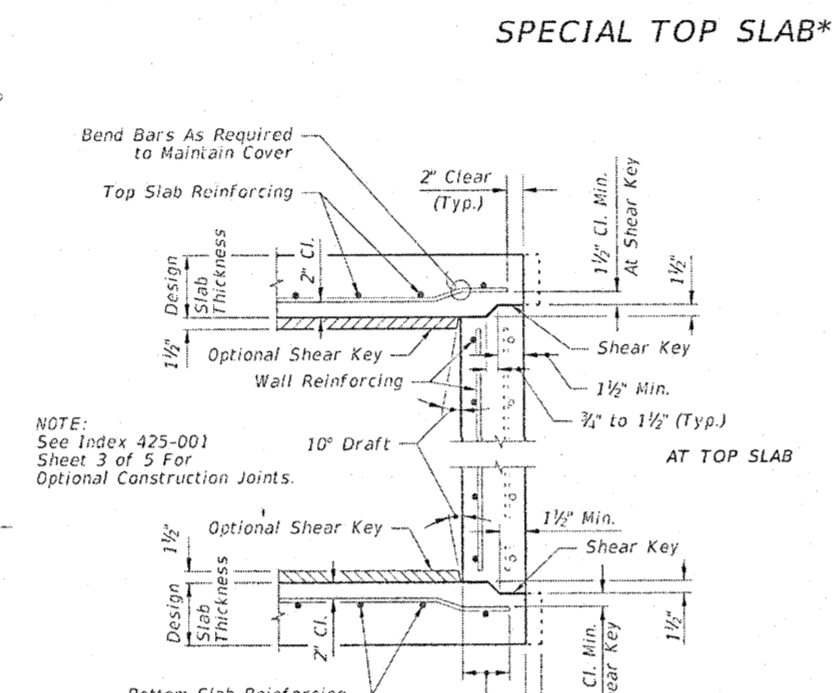
SECTION C-C SPECIAL TOP SLAB\*



SECTION A-A (ALTERNATE A)



SECTION B-B (ALTERNATE B)



TYPICAL SLAB TO WALL DETAILS FOR PRECAST STRUCTURES

PIPE SIZE	RECTANGULAR		ROUND	
	Side Dimension (L)	Single Pipe	Diameter (D)	Single Pipe
18"	3'-6"	2	3'-6"	2
24"	3'-6"	2	3'-6"	2
30"	3'-6" to 4'-0"	2	3'-6"	2
36"	4'-0" to 4'-6"	3	3'-6"	2
42"	4'-6"	3	3'-6"	2
48"	5'-0"	3	3'-6"	2
54"	5'-0"	3	3'-6"	2
60"	5'-0"	3	3'-6"	2
66"	5'-0"	3	3'-6"	2
72"	5'-0"	3	3'-6"	2
78"	5'-0"	3	3'-6"	2
84"	5'-0"	3	3'-6"	2

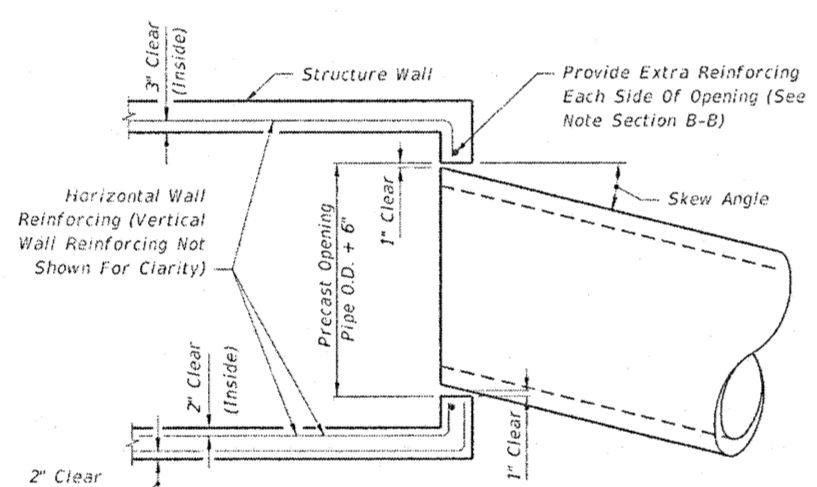
TABLE 3 NOTES:

- For Round Structures sizes with variable angles between plans and variable pipe sizes, refer to the FDOT Storm Drain Handbook.
- For 3'-0" Precast Square Structure Bottoms, 30" Pipes with similar invert elevations are not permitted in adjacent walls. Use 4'-0" Side Dimensions when 30" pipe openings are required on adjacent walls and the difference in flow lines is less than 3'-0".
- For 4'-0" Precast Square Structure Bottoms, 36" Pipes with similar invert elevations are not permitted in adjacent walls. Use 5'-0" Side Dimensions when 36" pipe openings are required on adjacent walls and the difference in flow lines is less than 3'-0".
- For 7'-0" Precast Square Structure Bottoms, 60" Pipes with similar invert elevations are not permitted in adjacent walls. Use 8'-0" Side Dimensions when 60" pipe openings are required on adjacent walls and the difference in flow lines is less than 3'-0".

PIPE SIZE	SPACING (ft)	MINIMUM WALL LENGTH (L) FOR NUMBER OF PARALLEL PIPES	
		2	3
18"	2'-10"	8'-0"	11'-0"
24"	3'-5"	10'-0"	13'-6"
30"	4'-7"	12'-0"	16'-6"
36"	5'-1"	14'-0"	19'-6"
42"	6'-0"	17'-0"	-
48"	6'-9"	19'-0"	-
54"	7'-8"	21'-0"	-
60"	8'-6"	23'-0"	-
66"	9'-5"	25'-0"	-
72"	10'-4"	27'-0"	-
78"	11'-3"	29'-0"	-
84"	12'-2"	31'-0"	-

TABLE 4 NOTES:

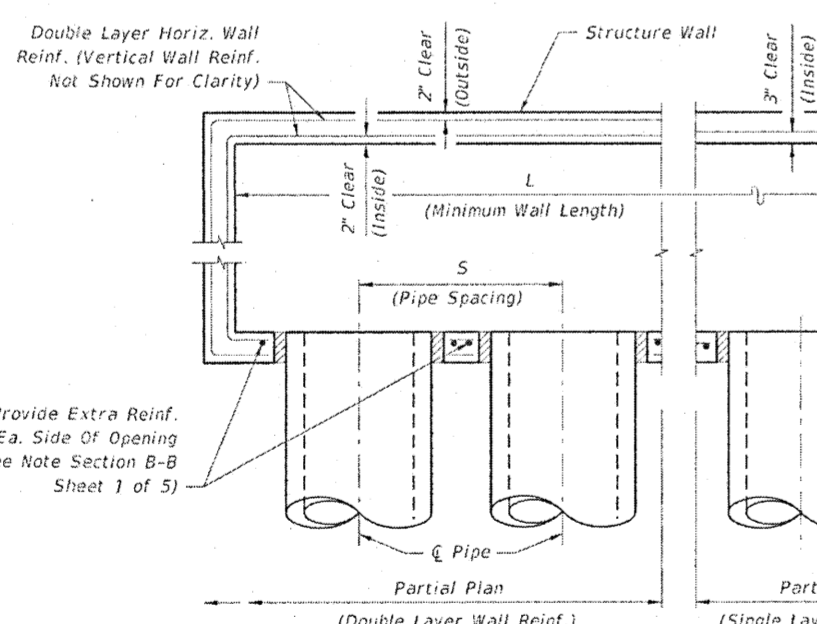
- Minimum wall lengths based on precast structures, using concrete pipe with maximum skew angles per Table 5.
- Wall lengths exceeding 20'-0" require special designs.



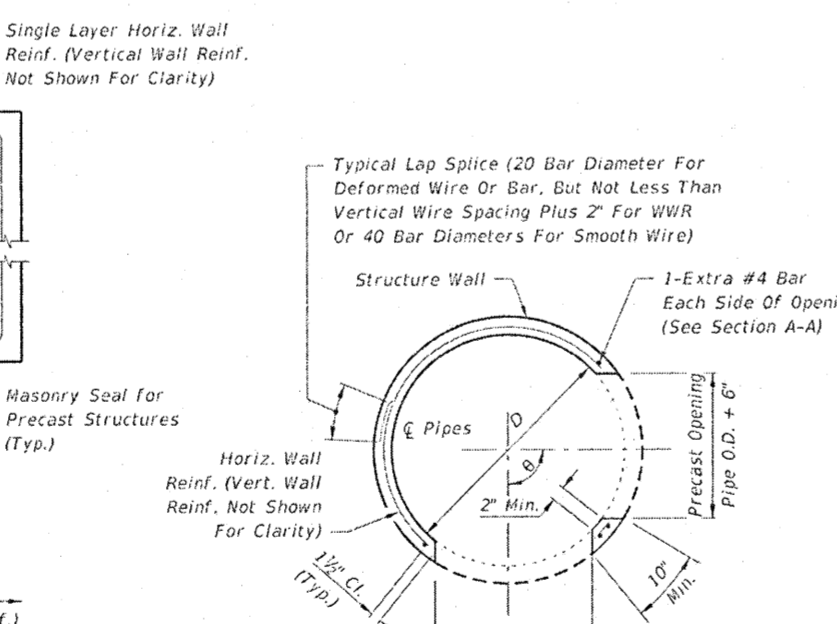
MAXIMUM PIPE SKEW FOR PRECAST ROUND OPENINGS

WALL THICKNESS	PIPE SIZE											
	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"
MAXIMUM SKEW ANGLE	18°	19°	18°	18°	18°	18°	18°	18°	18°	18°	18°	18°

TABLE 5 NOTES:  
These values are based on 2" clearance for precast structures. Larger skews are possible for Cast-In-Place Structures or elliptical pipe openings when approved by the Engineer.



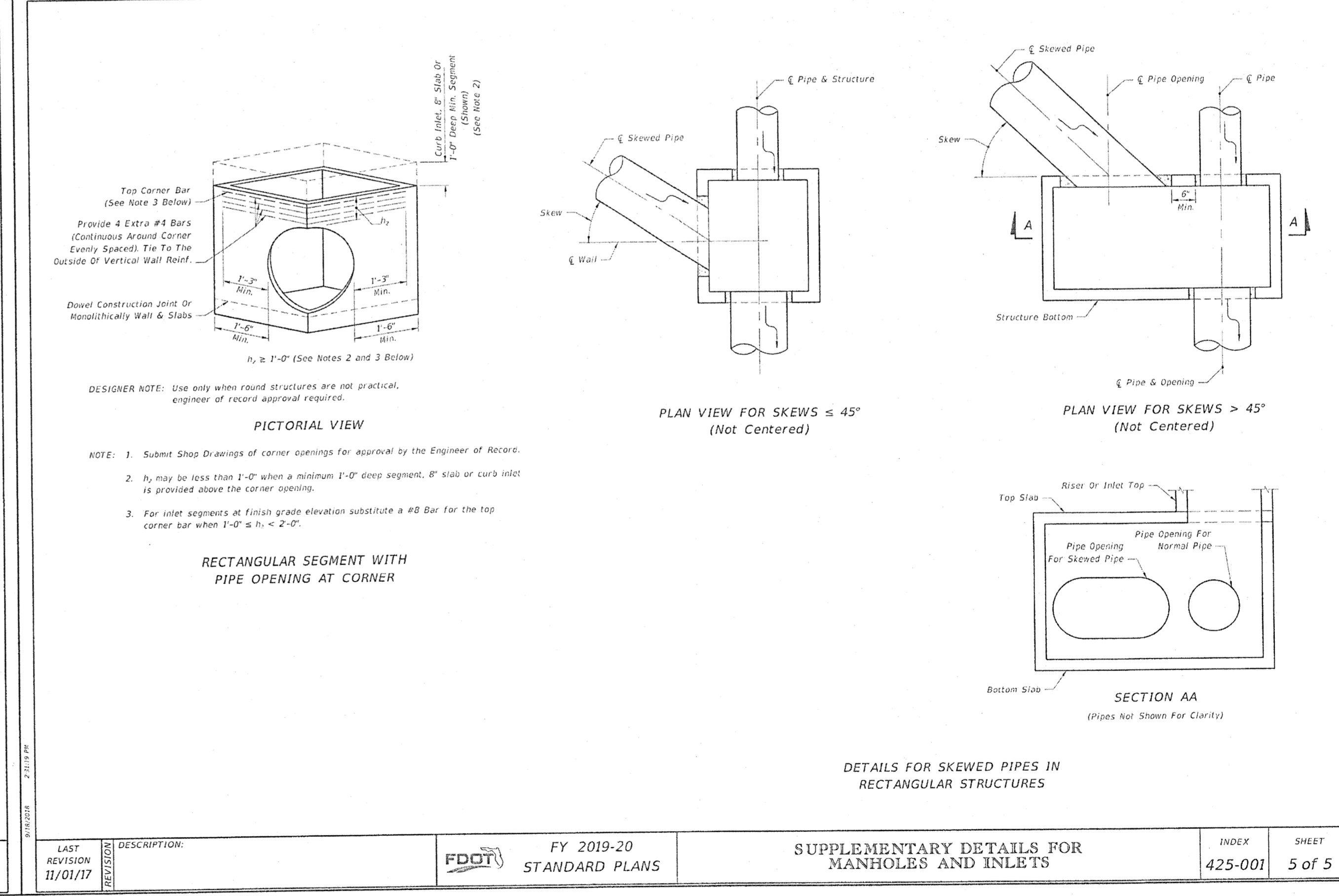
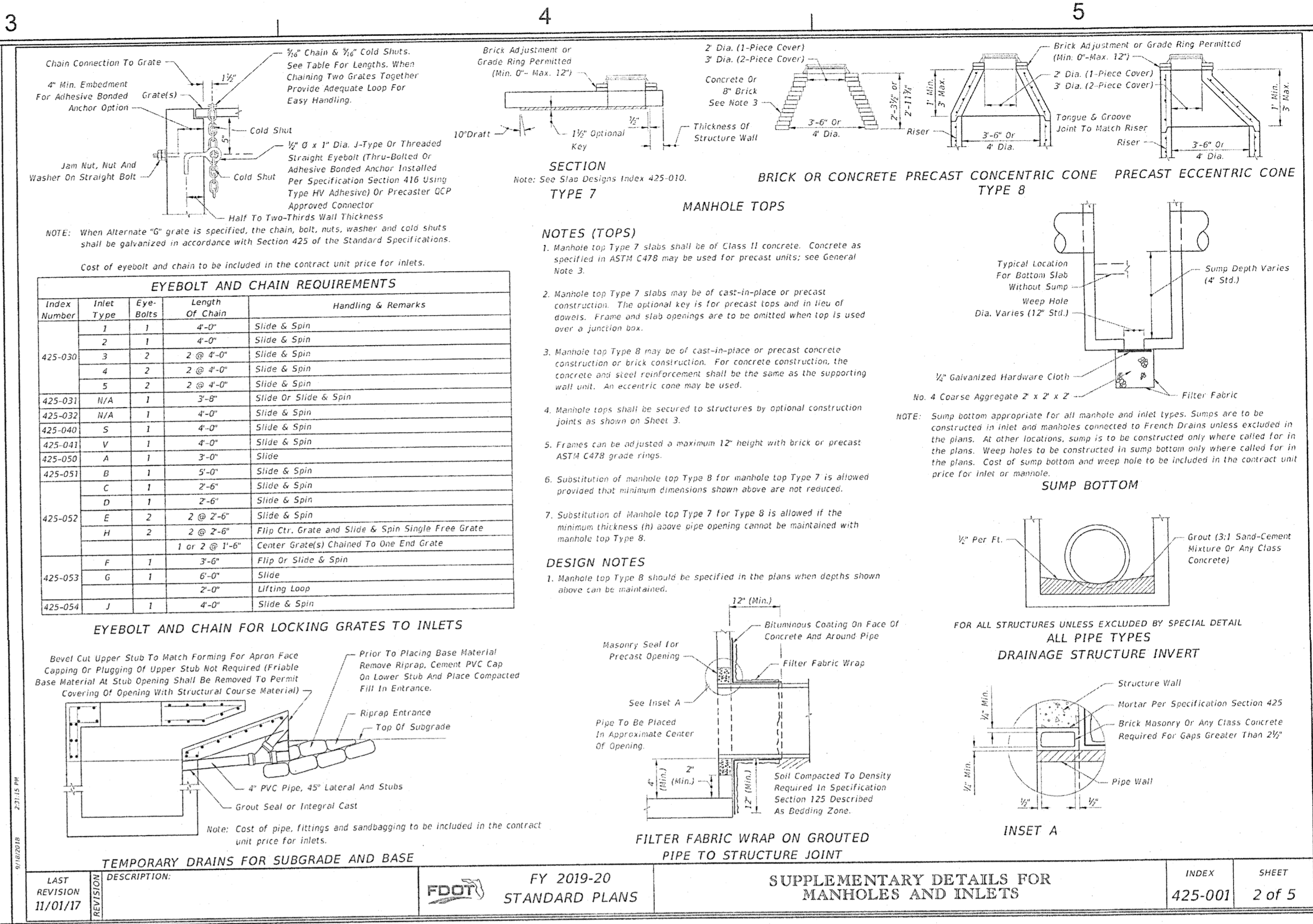
MULTIPLE PARALLEL PIPE CONNECTIONS DETAIL




PRECAST ROUND STRUCTURES WITH MULTIPLE PIPE CONNECTIONS

LAST REVISION	DESCRIPTION	FDOT	FY 2019-20	STANDARD PLANS	STRUCTURE BOTTOMS TYPE J AND P	INDEX	SHEET
11/01/17						425-010	1 of 5

LAST REVISION	DESCRIPTION	FDOT	FY 2019-20	STANDARD PLANS	STRUCTURE BOTTOMS TYPE J AND P	INDEX	SHEET
11/01/17						425-010	3 of 5





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Dewberry Engineers Inc.  
25353 Friendship Road  
Daphne, AL 36526

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DAVID B. TILLAR, P.E.  
FL. PE NO. 18023

CO.# 5794

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DATE

OCTOBER 2020

TITLE

CONSTRUCTION  
DETAILS

PROJECT NO.

501285

C702

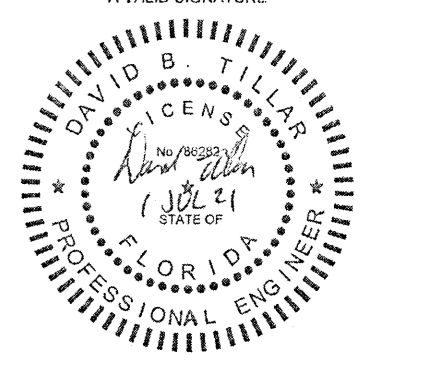
SHEET NO.

SHEET NO.

STEPS SHALL BE INSTALLED ON ALL  
STORM INLETS AND JUNCTION BOXES  
DEEPER THAN 4 FEET.

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NO.	DESCRIPTION	DATE

DRAWN BY CAH  
APPROVED BY DBT  
CHECKED BY JMB  
DATE OCTOBER 2020

TITLE

CONSTRUCTION  
DETAILS

PROJECT NO. 50128595

C704

SHEET NO.

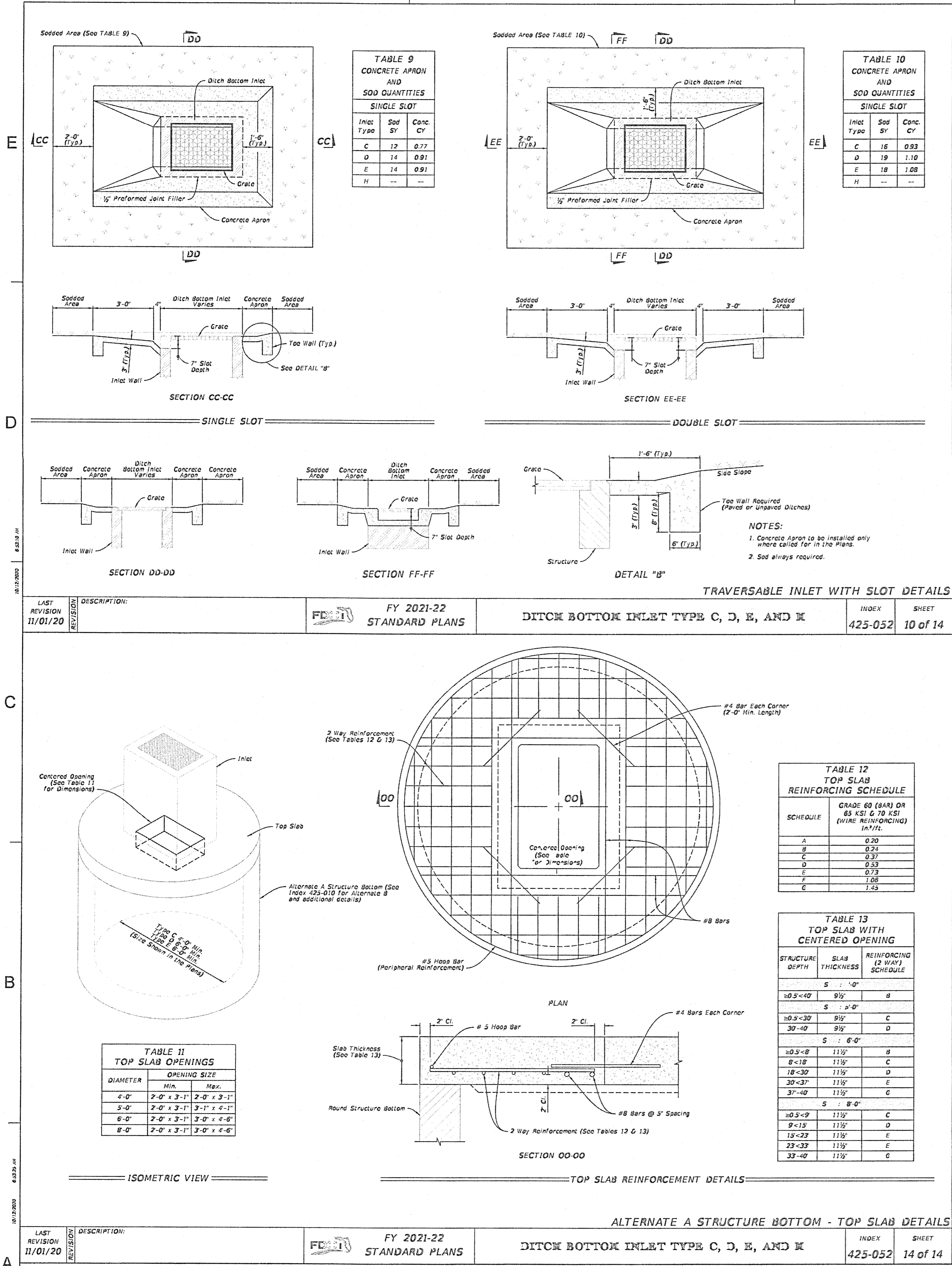
5

4

3

2

1



STEPS SHALL BE INSTALLED ON ALL  
STORM INLETS AND JUNCTION BOXES  
DEEPER THAN 4 FEET.

NO.	DESCRIPTION	DATE

DRAWN BY CAH  
APPROVED BY DBT  
CHECKED BY JMB  
DATE OCTOBER 2020

TITLE

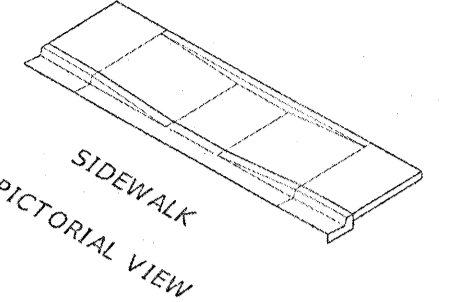
CONSTRUCTION  
DETAILS

PROJECT NO. 50128595

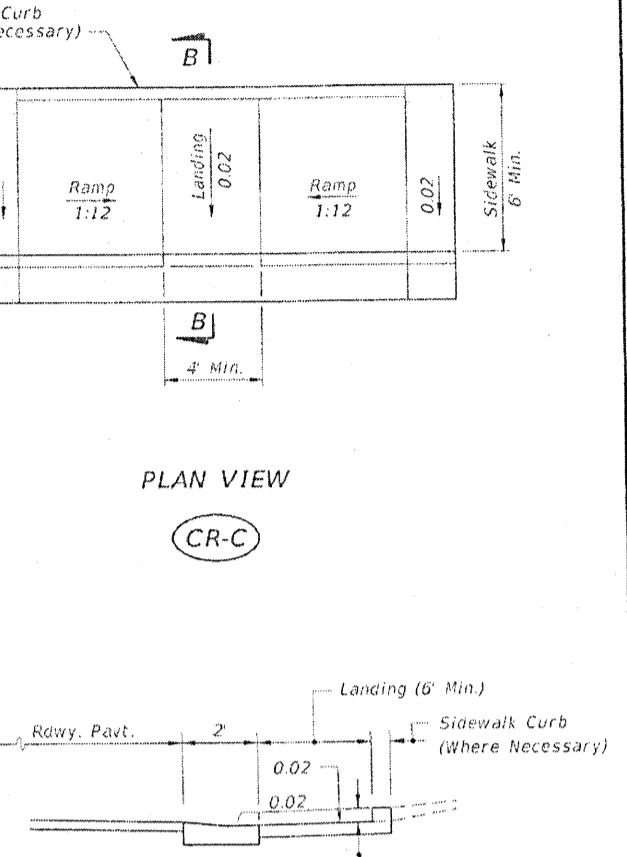
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SHEET NO.

5

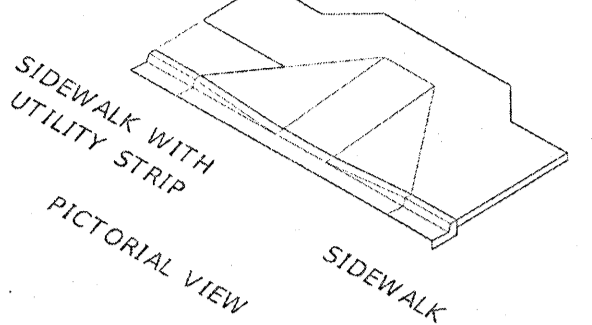


PLAN VIEW  
CR-C

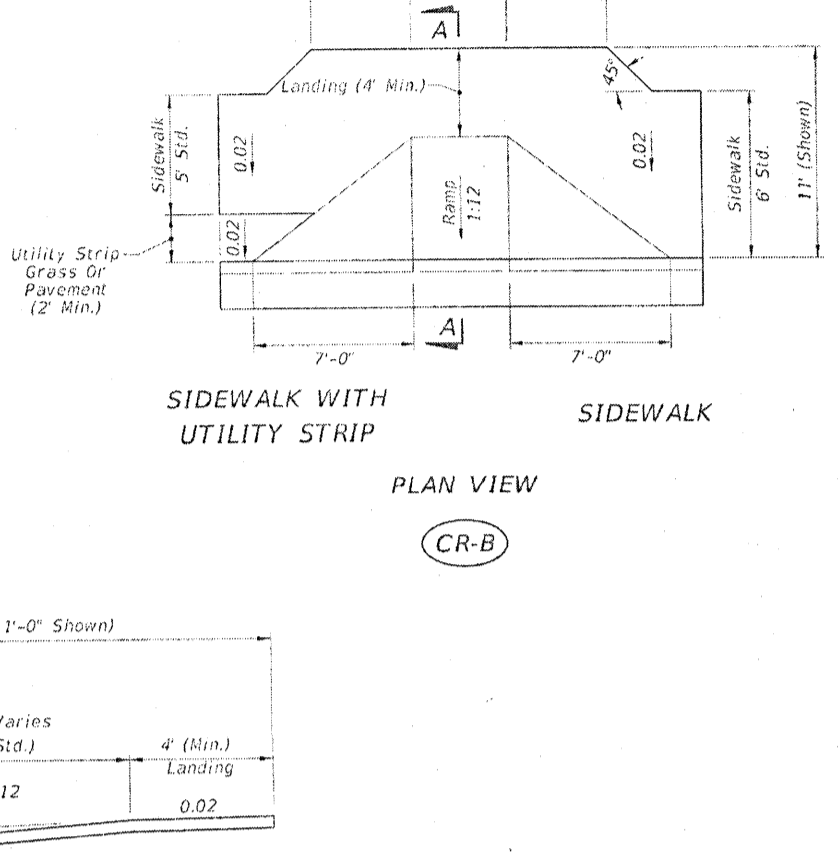


Note: For Additional Information on Sidewalk Curb Construction, See SIDEWALK CURB and SIDEWALK CURB OPTIONS details.

4

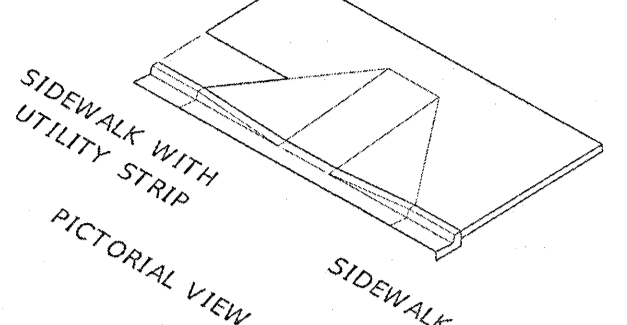


PLAN VIEW  
CR-B

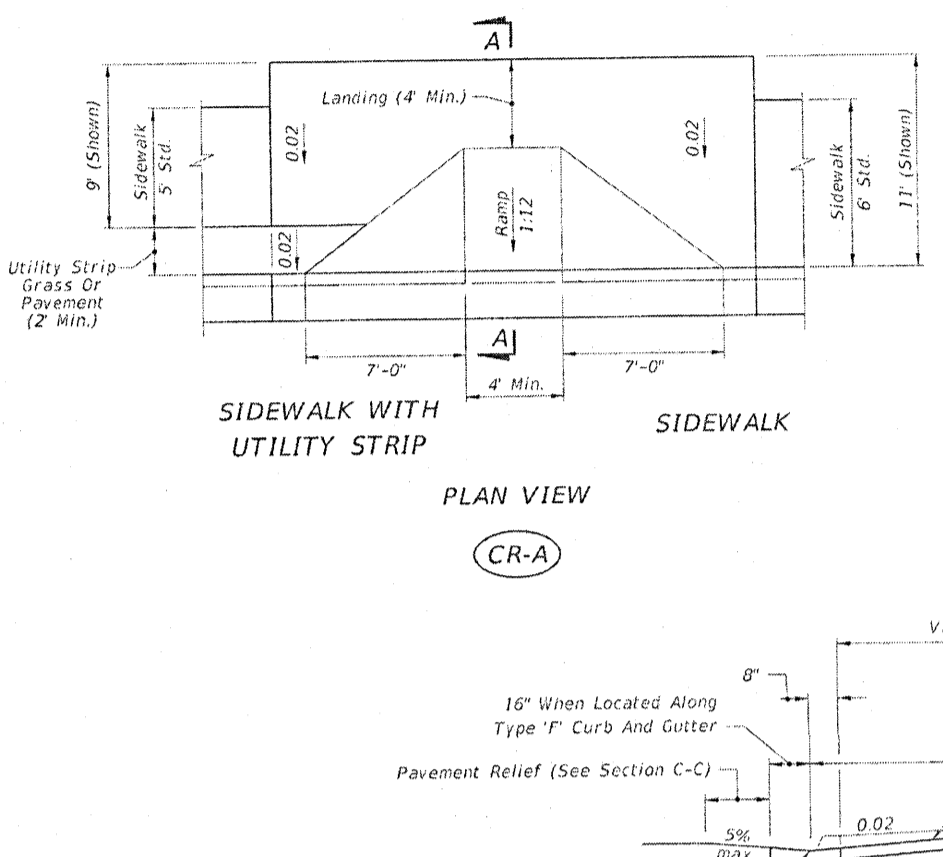


SIDEWALK CURB RAMPS WHERE RAMP AND LANDING DEPTHS ARE NOT RESTRICTED

3



PLAN VIEW  
CR-A

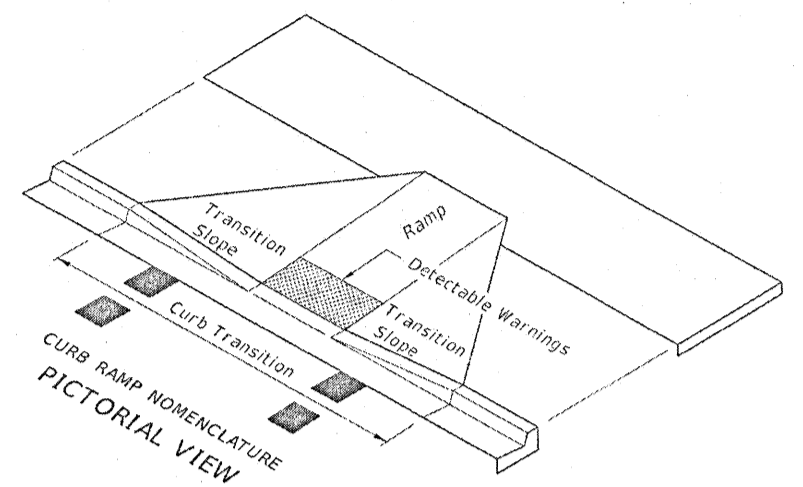


GENERAL NOTES

- Sidewalk curb ramps shall be constructed at locations that will provide continuous unobstructed pedestrian circulation path to pedestrian areas, elements and facilities within the right of way and to accessible pedestrian routes on adjacent sites. Curb facilities with sidewalks and those without sidewalks are to have curb ramps constructed for all intersections and turnouts with curbed returns. To accommodate curb ramps, partial curb returns are to extend to the limits prescribed in Index No. 315. Ramps constructed at locations without sidewalks are to have a landing constructed at the top of each ramp, see LANDINGS FOR CURB RAMPS WITHOUT SIDEWALKS.
- When altering existing pedestrian facilities, where existing restricted conditions preclude the accommodation of a ramp slope of 1:12, a ramp slope between 1:12 and 1:10 is permitted for a rise of 6" maximum. Where compliance with the requirements for cross slope cannot be fully met, the minimum feasible cross slope shall be provided. Ramp slopes are not required to exceed 15' in length.
- If sidewalk curb ramps are located where pedestrians must walk across the ramp, then provide transition slopes to the ramp, otherwise a sidewalk curb may be required.
- All sidewalks, ramps, and landings with a cross slope of 0.02 shown in this index are 0.02 maximum. All ramp slopes shown in this index as 1:12 are 1:12 maximum. Landings shall have slopes less than or equal to 0.02 in any direction.
- Grade breaks at the top and bottom of ramps shall be parallel to each other and perpendicular to the direction of the ramp slope.
- Where a sidewalk curb ramp is constructed within existing curb, curb and gutter and/or sidewalk, the existing curb or curb and gutter shall be removed to the nearest joint beyond the curb transition or to the extent that no remaining section of curb or curb and gutter is less than 5' long. Existing sidewalks shall be removed to the nearest joint beyond the transition slope or to the extent that no remaining section of sidewalk is less than 5' long. For CONCRETE SIDEWALK details refer to Index 310.
- Sidewalk curb ramp alpha-identifications are for reference purposes (plans, permits, etc.). Alpha-identifications CR-1 and CR-J were intentionally omitted.
- Detectable warnings shall extend the full width of the ramp and to a depth of 2'. Detectable warnings shall be constructed in accordance with Specification Section 527. For the layout of detectable warnings, refer to the TYPICAL PLACEMENT OF DETECTABLE WARNINGS details. Detectable warnings shall not be provided on transition slopes.
- When detectable warnings are placed on a slope greater than 5%, domes shall be aligned with the centerline of the ramp, otherwise domes are not required to be aligned.
- Detectable warnings shall be required on sidewalks and shared use paths at:
  - Intersecting roads.
  - Median Crossings greater than or equal to 6' in width.
  - Railroad Crossings.
  - Signalized driveways.
- Detectable Warnings - Acceptance Criteria:
  - Color and texture shall be complete and uniform.
  - 90% of individual truncated domes shall be in accordance with the Americans with Disabilities Act Standards for Transportation Facilities, Section 705.
  - There shall be no more than 4 non-compliant domes in any one square foot.
  - Non-compliant domes shall not be adjacent to other non-compliant domes.
  - Surfaces shall not deviate more than 0.10" from a true plane.
- Detectable warnings shall be installed no greater than 5' from the back of curb or edge of pavement.
- Detectable warnings shall not be installed over grade breaks.

LEGEND

Detectable Warnings



PICTORIAL VIEW

LAST REVISION  
07/01/15

DESCRIPTION:

FDOT FY 2016-17  
DESIGN STANDARDS

DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS

INDEX NO. 304  
SHEET NO. 1 of 7

LAST REVISION  
07/01/13

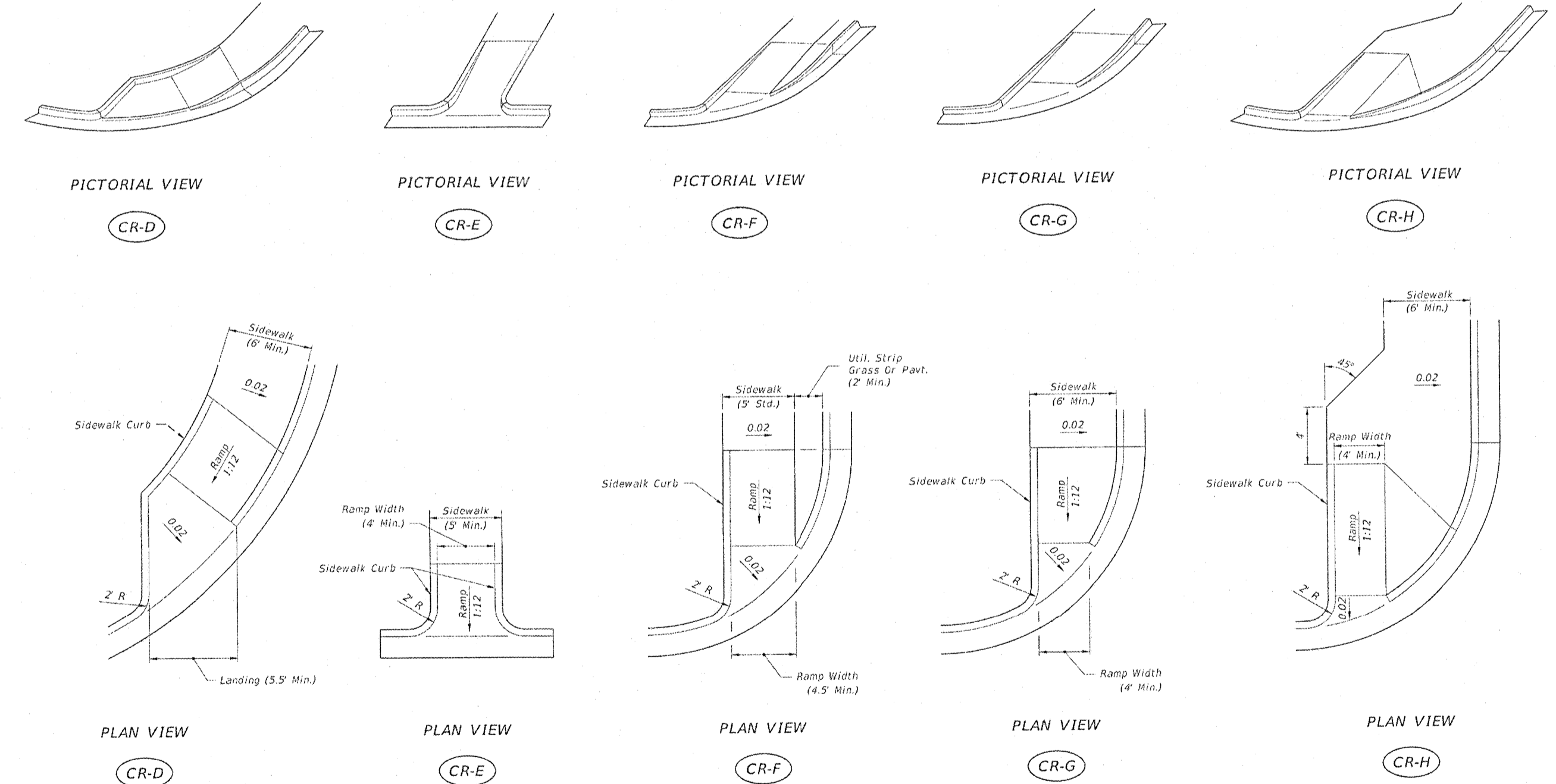
DESCRIPTION:

FDOT FY 2016-17  
DESIGN STANDARDS

DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS

INDEX NO. 304  
SHEET NO. 2 of 7

C



DIMENSIONAL FEATURES OF SIDEWALK CURB RAMPS FOR LINEAR PEDESTRIAN TRAFFIC

LAST REVISION  
07/01/13

DESCRIPTION:

FDOT FY 2016-17  
DESIGN STANDARDS

DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS

INDEX NO. 304  
SHEET NO. 3 of 7

LAST REVISION  
07/01/13

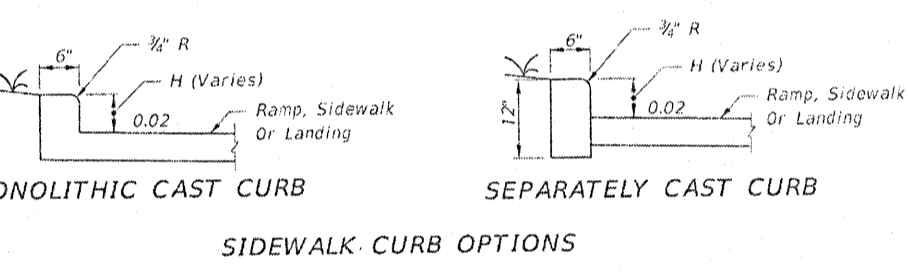
DESCRIPTION:

FDOT FY 2016-17  
DESIGN STANDARDS

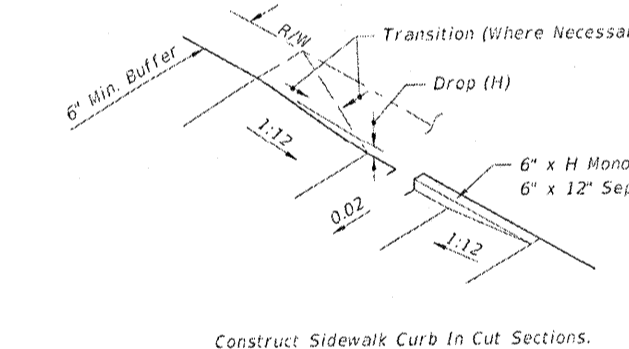
DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS

INDEX NO. 304  
SHEET NO. 4 of 7

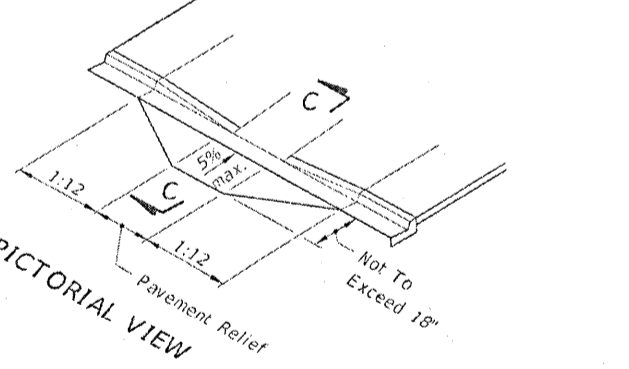
ALL SIDEWALKS, ASSOCIATED RAMPS AND OTHER INFRASTRUCTURE AND DRIVEWAY CONSTRUCTION SHALL MEET THE LATEST REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).



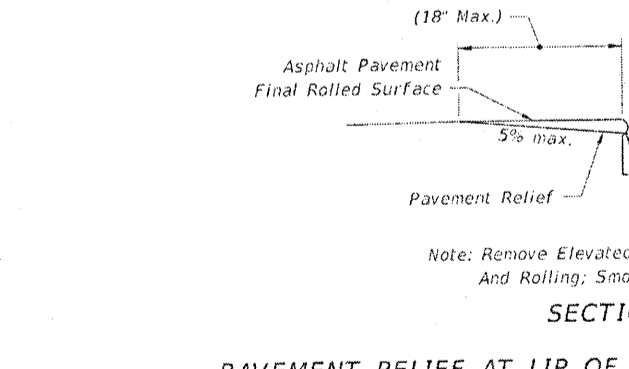
SIDEWALK CURB OPTIONS



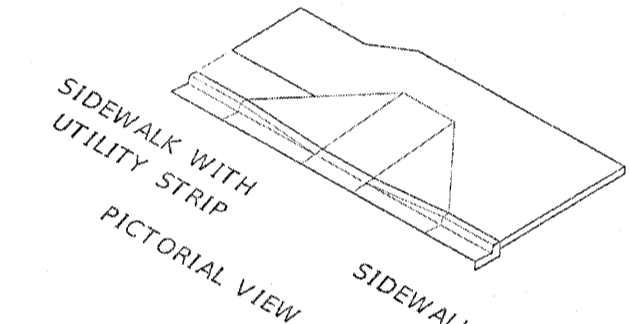
SIDEWALK CURB



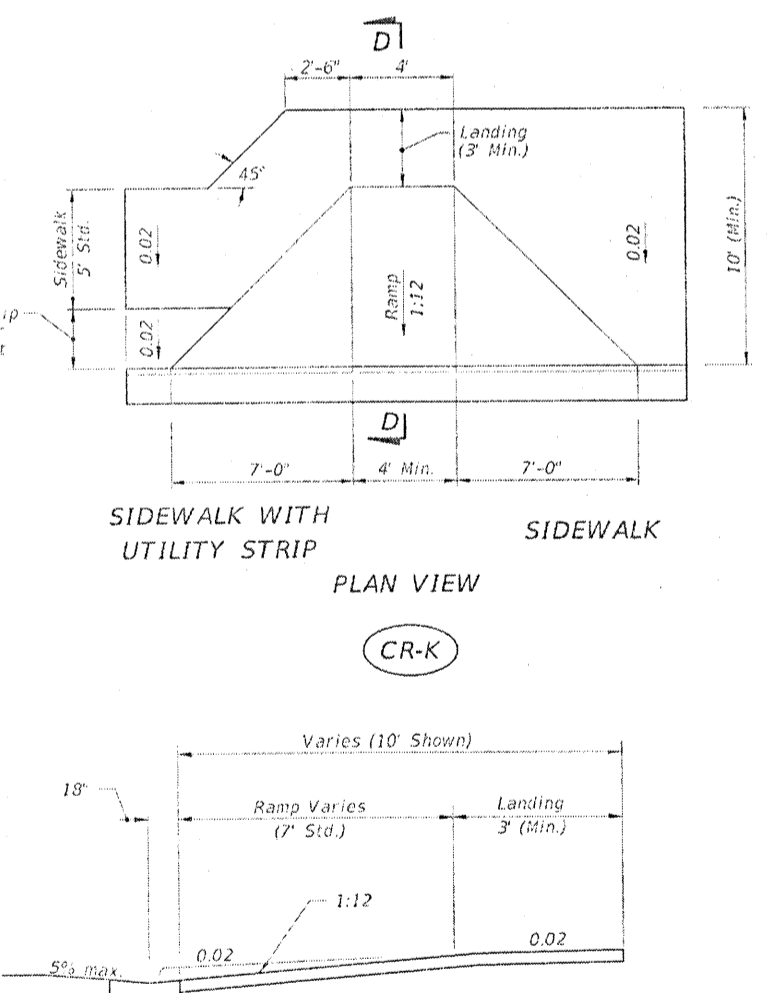
PICTORIAL VIEW



PAVEMENT RELIEF AT LIP OF CURB

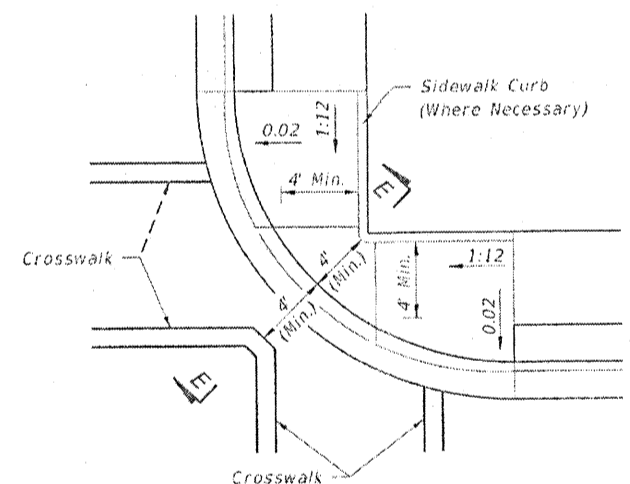


PLAN VIEW  
CR-K

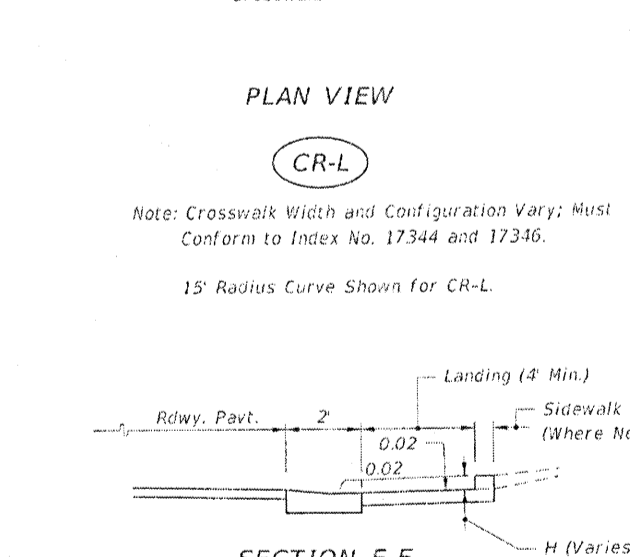


SECTION D-D  
SECTION THROUGH RAMP AND LANDING (RESTRICTED CONDITIONS)

SIDEWALK CURB RAMPS WHERE RAMP AND LANDING DEPTHS ARE RESTRICTED



PLAN VIEW  
CR-L



SECTION E-E  
SECTION THROUGH LANDING (RESTRICTED CONDITIONS)

SIDEWALK CURB RAMPS WHERE RAMP AND LANDING DEPTHS ARE RESTRICTED

