



Procurement Management Department
2115 Second Street, 1st Floor
Fort Myers, FL 33901
Main Line: (239) 533-8881
Fax Line: (239) 485-8383
www.leegov.com/procurement

Posted Date: October 31, 2023

Solicitation No.: B240003BAG

Solicitation Name: Sunniland / Nine Mile Run Drainage Improvement Project

Subject: Addendum Number 1

The following represents clarification, additions, deletions, and/or modifications to the above referenced bid. This addendum shall hereafter be regarded as part of the solicitation. Items not referenced herein remain unchanged, including the response date. Words, phrases or sentences with a strikethrough represent deletions to the original solicitation. Underlined words and bolded, phrases or sentences represent additions to the original solicitation.

1. **OPEN DATE/BIDS DUE EXTENSION:**

FROM: November 6, 2023 at 2:30 PM

TO: November 13, 2023 at 2:30 PM

2. **BID SCHEDULE:**

The Bid Schedule has been updated and a new Bid Schedule has been uploaded to the project Download Documents section on the Lee County Procurement website.

Please ensure that your firm has downloaded the Bid Schedule and have been able to successfully. Any firm having compatibility issues or difficulty downloading the Bid Schedule needs to contact the Procurement Analyst for this project at their earliest convenience.

Do not wait until submission day to download! Procurement is not required to extend a closing due to Contractor delay or difficulty in receipt or download of documents.

Bidders MUST use the new Bid Schedule Excel form when submitting their bid. Failure to do so will result in Bidder being deemed non-responsive and therefore ineligible for award.

3. **CLARIFICATIONS/ADDITIONS**

a. **Page 34, Additional Sections added after Section 30:**

31. **REMEDIES (for projects greater than Simplified Acquisition Threshold - \$250,000):**

31.1 **In the event the CONSULTANT/CONTRACTOR/VENDOR fails to satisfactorily perform or has failed to adhere to the terms and conditions under this Agreement, the County may, upon fifteen (15) calendar days written notice to the CONSULTANT/CONTRACTOR/VENDOR and upon the CONSULTANT/CONTRACTOR/VENDOR's failure to cure within those fifteen (15) calendar days, exercise any one or more of the following remedies, either concurrently or consecutively:**

- a. **Withhold or suspend the payment of all or any part of a payment request.**

b. Require that the CONSULTANT/CONTRACTOR/VENDOR refund to the County any monies used for ineligible purposes under the laws, rules, and regulations governing the use of these funds.

c. Exercise any corrective or remedial actions, including but not limited to:

2. Requesting additional information from the CONSULTANT/CONTRACTOR/VENDOR to determine the reasons for or the extent of non-compliance or lack of performance;

3. Issuing a written warning to advise that more serious measures may be taken if the situation is not corrected;

4. Advising the CONSULTANT/CONTRACTOR/VENDOR to suspend, discontinue or refrain from incurring costs for any activities in question; or

5. Requiring the CONSULTANT/CONTRACTOR/VENDOR to reimburse the County for the amount of costs incurred for any items determined to be ineligible.

32. OTHER REMEDIES AND RIGHTS:

32.1 Pursuing any of the above remedies will not keep the County from pursuing any other rights or remedies, which may be otherwise available under law or in equity. If the County waives any right or remedy in this Agreement or fails to insist on strict performance by the CONSULTANT/CONTRACTOR/VENDOR, it will not affect, extend, or waive any other right or remedy of the County, or affect the later exercise of the same right or remedy by the County for any other default by the CONSULTANT/CONTRACTOR/VENDOR.

32.2 Unless otherwise provided by the Contract, all claims, counterclaims, disputes, and other matters in question between the County and the CONSULTANT/CONTRACTOR/VENDOR arising out of or relating to the Agreement between the parties, or the breach of it, that cannot be resolved by and between the parties after conferring in good faith, will be decided by a court of competent jurisdiction pursuant to Florida law. If such a dispute is in state court, the venue shall be in the Twentieth Judicial Circuit Court in and for Lee County, Florida. If in federal court, the venue shall be in the U.S. District Court for the Middle District of Florida, Ft. Myers Division.

33. CLEAN AIR ACT (for projects greater than \$150,000):

33.1 The contractor agrees to comply with all applicable standards, orders, or regulations issued under the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.

33.2 The contractor agrees to report each violation to the GRANT AGENCY and the Regional Office of the Environmental Protection Agency and understands and agrees that the GRANT AGENCY and the Regional Office of the Environmental Protection Agency will, in turn, report each violation as required to assure notification to the County, Federal

Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.

33.3 The contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by GRANT AGENCY.

34. FEDERAL WATER POLLUTION CONTROL ACT:

34.1 The contractor agrees to comply with all applicable standards, orders, or regulations issued under the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.

34.2 The contractor agrees to report each violation to the GRANT AGENCY and the Regional Office of the Environmental Protection Agency and understands and agrees that the GRANT AGENCY and the Regional Office of the Environmental Protection Agency will, in turn, report each violation as required to assure notification to the County, Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.

34.3 The contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by GRANT AGENCY.

4. ATTACHMENTS

- b.8234_Engineering Plans_20231027
- c.FINAL Geo Report - Sunniland Nine Mile Run
- d.South Canal Access Route
- e. Prevailing Wage Rate Table 10/31/2023

5. QUESTIONS/ANSWERS

1.	When is the anticipated construction start of this project?
Answer	Anticipated board date is 01/16/2024 and construction is expected to begin within 30 days of board approval.

2.	After reading the bid documents for this project, we see that the contractor must hold a Certified Underground Utility and Excavation license as one of the minimum requirements. We hold a General Contractor license. Is that acceptable as an alternate or will we be unable to bid this project?
Answer	A General Contractor (GC) license is acceptable.


3.	I had a question in regard to Solicitation B240003BAG - Sunniland/Nine Mile Run Drainage Improvement Project. When I inquired last time about CM Contractors for this project originally, the response was "Any bids for this project must be all inclusive of all scope of work." This did not preclude CM contractors for this specific job since we would hire the appropriate contractors and make sure the job is done to specs. However, Page 88, Form 9 of the solicitation package has 2 criteria that we do not meet as a CM, but we would contract appropriate companies that meet these requirements to ensure the requirements are met. Since we do not have these certifications personally as a firm, does that disqualify us from being able to successfully bid this specific project?
Answer	A Construction Manager (CM) is not qualified as the prime contractor.

4.	Regarding Bid item # 6 Clearing & Grubbing Bid form = 4 acres The 3 areas of work for the project are from the following stations. Sta.11 +00 to Sta.42 + 00=3100 lf. x 100' wide work area= 310,000 sf. Sta. 132 + 00 to Sta.133 + 00 = 100 lf. x 50' wide work area=5,000 sf. Sta. 151 + 00 to Sta.154 + 75 = 375 lf. x 76' wide work area=28,500 sf. Total work area sf.=343,500/43,560 sf/ac.=7.88 acres The bid form should be modified to include the correct clearing and grubbing value.
Answer	Clearing & Grubbing area = 7.9 acres
5.	The bid form does not include a demolition item. Question: What bid item # should the removal of the existing weir structures task be included in?
Answer	Line item 26 has been added for demolition and removal of the existing weirs.
6.	Is there a geotechnical report developed for the project? If not, is the material that is excavated suitable for fill placement?
Answer	Please refer to the geotechnical report included in this addendum.
7.	Referencing sheet 05 & 06, Section D1 (sta.19 +00) depicts a canal section bottom at elev. + 14.00 with a TOB measurement width of 35'. Sheet 07 cross section shown for sta. 19 +00 represents a totally different profile view of the ditch section. Question which one is correct?
Answer	See Section B for STA 19+00.
8.	Referencing sheet 05 & 06. Section D2 (sta.31 + 00) depicts a canal section bottom at elev. + 14.00 with a TOB measurement width of 35'. Sheet 08 cross section 31 + 00 represents a totally different profile view of the ditch section. Question which one is correct?
Answer	See Section B1 for STA 31+00.
9.	Regarding, sodding the new ditch section. Question, what is the lowest elevation that the sod to be placed on the new constructed slope?
Answer	10-ft down from the top of bank
10.	Regarding weir's # 1 & 2, please clarify the following. Sheet 17 shows a FDOT index 252 that depicts a typical weir section. However, sheets 17A (weir # 1) & 17B (weir # 2) shows a typical weir section which is a concrete 2' x 2' area. Question, which section is correct?
Answer	Sheets 17A and 17B are correct. Disregard FDOT Index 252.
11.	If the work is to be majority if not all self-performed does the contractor still need to run an add for the DBE requirement?
Answer	Per regulations this is a requirement for this grant project.
12.	In attachment B page ten it specifies that a maintenance road will be constructed. In the plans this detail is crosses out. Will the maintenance road need to be installed?
Answer	A maintenance road is not required.
13.	The form has 15,600 SY of sod and from my takeoff (highlighted in red) has 64,132 SY. If you could please pass along for clarity that would be appreciated.
Answer	STA11+00 to STA 19+00 x (20'+30'+10'+10') = 56,000-SF = 6,222-SY STA19+00 to STA 31+00 x (20'+21'+10'+10') = 73,200-SF = 8,133-SY STA151+00 to STA 154+00 x (32.5'+32.5'+10'+10') = 25,500-SF = 2,833-SY TOTAL = 17,189-SY

14.	Can the engineer provide a detail and specifications for the 14-ft gate?
Answer	Gate shall be: 14-ft (L) x 50-in (H) constructed of 1-3/4 inch steel tubing.
15.	Can the engineer provide some additional clarification for the two through weirs? Sheet 17 depicts a typical section of a type of through weir, sheets 17A and 17B depict a 24" x 24" weir detail, however the X-section A-A shown on both sheets depicts a detail that does not reflect either of the individual weir details. Please advise.
Answer	Sheets 17A and 17B are correct. Ignore section on sheet 17.
16.	Drawing Sheet 5 depicts (3) thirty-inch RCP mitered end sections. However, the bid form does not list any. Can a new 30" MES bid item be included on a revised bid form?
Answer	30-inch MES has been added to the Bid Form.
17.	Drawing Sheet 3 depicts a note that reads, "All off-site hydraulic drainage connections must be maintained". Can the engineer explain the anticipated process necessary to accomplish this task?
Answer	Do not block off-site flows from entering the canal.
18.	A quick measurement of the work area enclosed by the by the silt fence depicts a much larger area of clearing and grubbing than the 4 acres listed on the bid form. Can the engineer please confirm the clearing and grubbing measurement? However, if the 4 acres is correct, can the engineer explain what measurements (areas) are to be included?
Answer	See Question 4 above.
19.	At the pre-bid, a question was asked about a geotechnical report and a project specification manual. The county representative stated that this information was included in the ITB documents. Can the engineer confirm the location of this information in the documents, as our team has been unable to locate it.
Answer	See Question 6 above.
20.	Please confirm type of sod required. Will bahia sod be acceptable?
Answer	Bahia sod is acceptable.
21.	Please indicate the location of the South canal entrance road, as it is not labeled on the prints, and our Pre-Bid Meeting attendees were not able to locate it onsite during or after the meeting.
Answer	Access for the South Canal improvements shall be thru Buckingham Trails Preserve. The entrance is at 8790 Buckingham Rd, Fort Myers, FL 33905. A map of the access route is included in this addendum.
22.	Can the engineer provide the detail / specification that shows or describes the calculation used to determine quantity and proposed location(s) of sod.
Answer	STA11+00 to STA 19+00 x (20'+30'+10'+10') = 56,000-SF = 6,222-SY STA19+00 to STA 31+00 x (20'+21'+10'+10') = 73,200-SF = 8,133-SY STA151+00 to STA 154+00 x (32.5'+32.5'+10'+10') = 25,500-SF = 2,833-SY TOTAL = 17,189-SY

BIDDER/PROPOSER IS ADVISED, YOU ARE REQUIRED TO ACKNOWLEDGE RECEIPT OF THIS ADDENDUM WHEN SUBMITTING A BID/PROPOSAL. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN THE BIDDER/PROPOSER BEING CONSIDERED NON-RESPONSIVE.

ALL OTHER TERMS AND CONDITIONS OF THE SOLICITATION DOCUMENTS ARE AND SHALL REMAIN THE SAME.

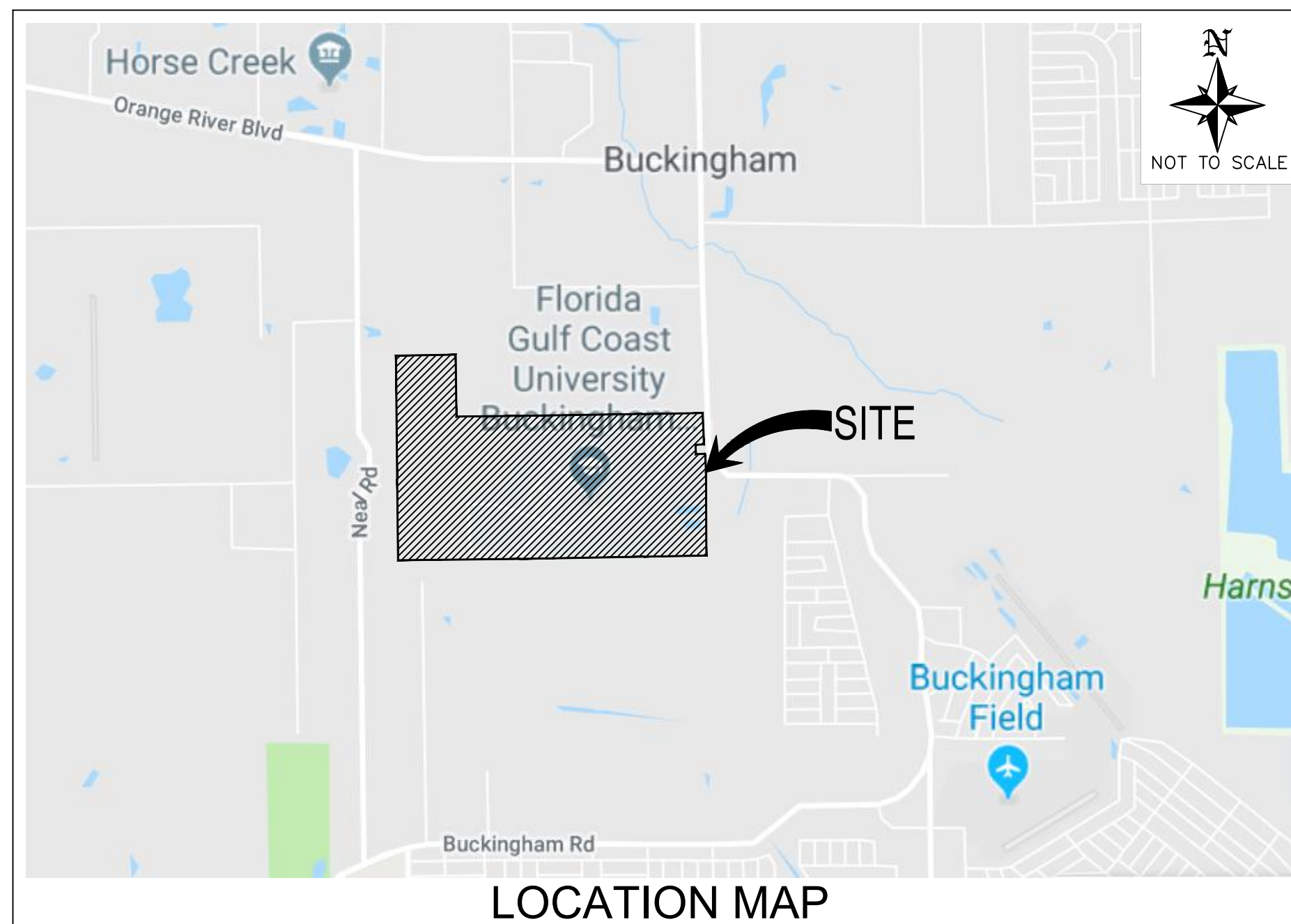
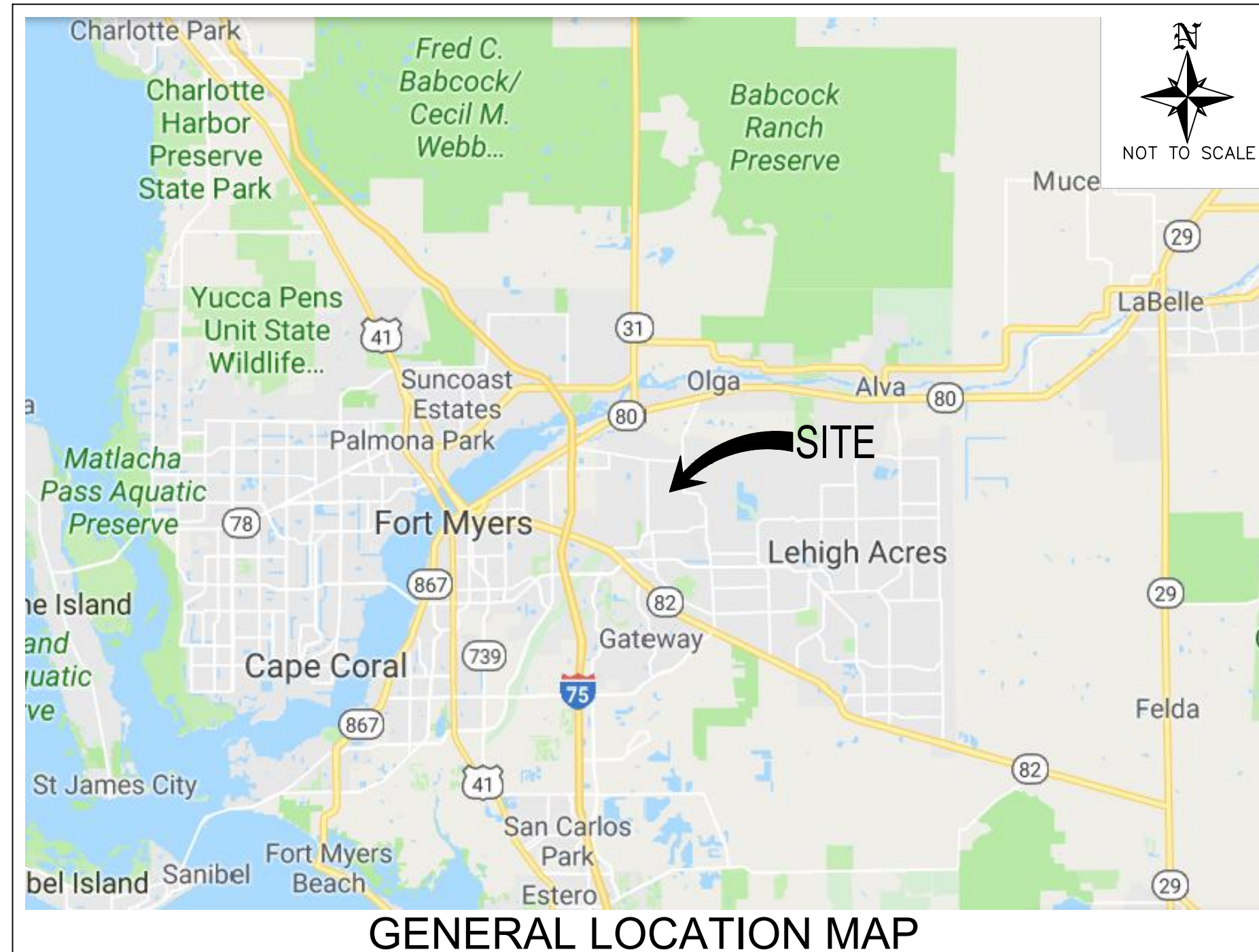


Brooke Green, CPPB

Grants Procurement Analyst Direct Line: 239-533-8848

Lee County Procurement Management

SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT



SECTIONS 7 & 17 & 18, TOWNSHIP 44 SOUTH, RANGE 26 EAST
LEE COUNTY, FLORIDA

SITE INFORMATION

PROJECT AREA: ±498.10 ACRES
PARCEL STRAP NO.: 07-44-26-00-00005.0000
 17-44-26-00-00002.0000
 18-44-26-00-00003.0000
PARCEL ADDRESS: BUCKINGHAM RD
 FORT MYERS, FL 33905
CURRENT ZONING: AG-2

PREPARED FOR:
LEE BOARD OF COUNTY COMMISSIONERS
 1500 MONROE ST.
 FORT MYERS, FL 33901
 PHONE: (239) 533-8109

PROJECT CONTACTS

CIVIL ENGINEER:
 BANKS ENGINEERING
 KEN KELLUM, P.E. PROJECT MANAGER
 10511 SIX MILE CYPRESS PKWY.
 FORT MYERS FLORIDA 33966
 PHONE: (239) 939-5490

SURVEYOR:
 BANKS ENGINEERING
 10511 SIX MILE CYPRESS PKWY.
 FORT MYERS FLORIDA 33966
 PHONE: (239) 939-5490

SHEET INDEX

#	TITLE
01	COVER SHEET
02	GENERAL NOTES
03	AERIAL - EXISTING CONDITIONS
03A	EXISTING TOPOGRAPHIC MAP
04	GOPHER TORTOISE HOLE LOCATIONS
05	MASTER ENGINEERING PLAN
06	TYPICAL CROSS SECTIONS
07	CROSS SECTIONS - STA. 11+00 TO 24+00
08	CROSS SECTIONS - STA. 25+00 TO 38+00
09	CROSS SECTIONS - STA. 39+00 TO 52+00
10	CROSS SECTIONS - STA. 53+00 TO 66+00
11	CROSS SECTIONS - STA. 67+00 TO 80+00
12	CROSS SECTIONS - STA. 81+00 TO 101+00
13	CROSS SECTIONS - STA. 102+00 TO 121+00
14	CROSS SECTIONS - STA. 122+00 TO 133+00
15	CROSS SECTIONS - STA. 134+00 TO 147+00
16	CROSS SECTIONS - STA. 148+00 TO 154+00
17	CONTROL STRUCTURE DETAILS
17A	WEIR DESIGN - WEIR-1
17B	WEIR DESIGN - WEIR-2
18	STORMWATER POLLUTION PREVENTION PLAN

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 ENGINEERING LICENSE # EB 6469
 SURVEY LICENSE # LB 6690
 WWW.BANKSENG.COM

SAMUEL W. MARSHALL P.E.
 FL REG # 26661



LEE BOARD OF COUNTY COMMISSIONERS

KEVIN RUANE	DISTRICT 1
CECIL L PENDERGRASS	DISTRICT 2
RAY SANDELLI	DISTRICT 3
BRIAN HAMMAN	DISTRICT 4
MIKE GREENWELL	DISTRICT 5

COUNTY MANAGER

ROGER DESJARLAIS

ASSISTANT COUNTY MANAGER

DAVE HARNER

DIVISION OF NATURAL RESOURCES

ROLAND OTTOLINI, P.E.

THIS IS TO CERTIFY THAT THESE PLANS AND THE ASSOCIATED CONSTRUCTION PROJECT ARE IN SUBSTANTIAL COMPLIANCE WITH THE LEE COUNTY LAND DEVELOPMENT CODE WITH EXCEPTION OF THE FOLLOWING DEVIATIONS WHICH HAVE BEEN APPROVED BY THE ASSISTANT COUNTY MANAGER

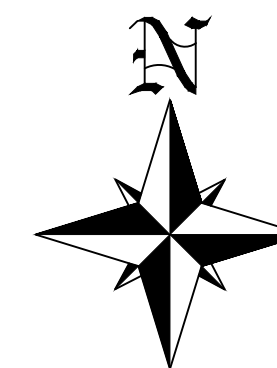
DEVIATIONS:
 NONE REQUESTED

DEVELOPMENT ORDER APPROVED:
 PUBLIC WORKS ADMINISTRATION

ASSISTANT COUNTY MANAGER _____ DATE: _____
 DAVE HARNER

ALL EXISTING AND PROPOSED GRADE ELEVATIONS ARE N.A.V.D. 1988

NO.	DATE	REVISION DESCRIPTION	BY
2	4/09/2021	REVISED PER SFMWD COMMENTS	SDJ
1	12/14/2020	REVISED PER SFMWD COMMENTS	SDJ



0 300 600 900
GRAPHIC SCALE 1"= 300'

NOTES:

1. AERIAL PHOTO: (2019) FLIGHT DATES: 1/9 - 2/25
2. ALL OFFSITE HYDRAULIC DRAINAGE CONNECTIONS MUST BE PRESERVED.



PREPARED FOR:
LEE COUNTY NATURAL RESOURCES
LEE BOARD OF COUNTY COMMISSIONERS
 1500 MONROE ST.
 FORT MYERS, FL 33901
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NO.	DATE	REVISION DESCRIPTION	BY

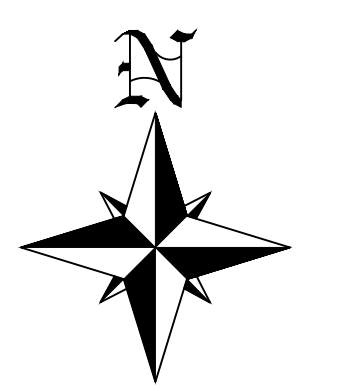
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 FL REG # 26661

AERIAL - EXISTING CONDITIONS									
SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT									
LEE COUNTY, FLORIDA									
DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET		
5/14/2019	8234	_AER	KWK	SDJ	KWK	1"=300'	03		

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SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT

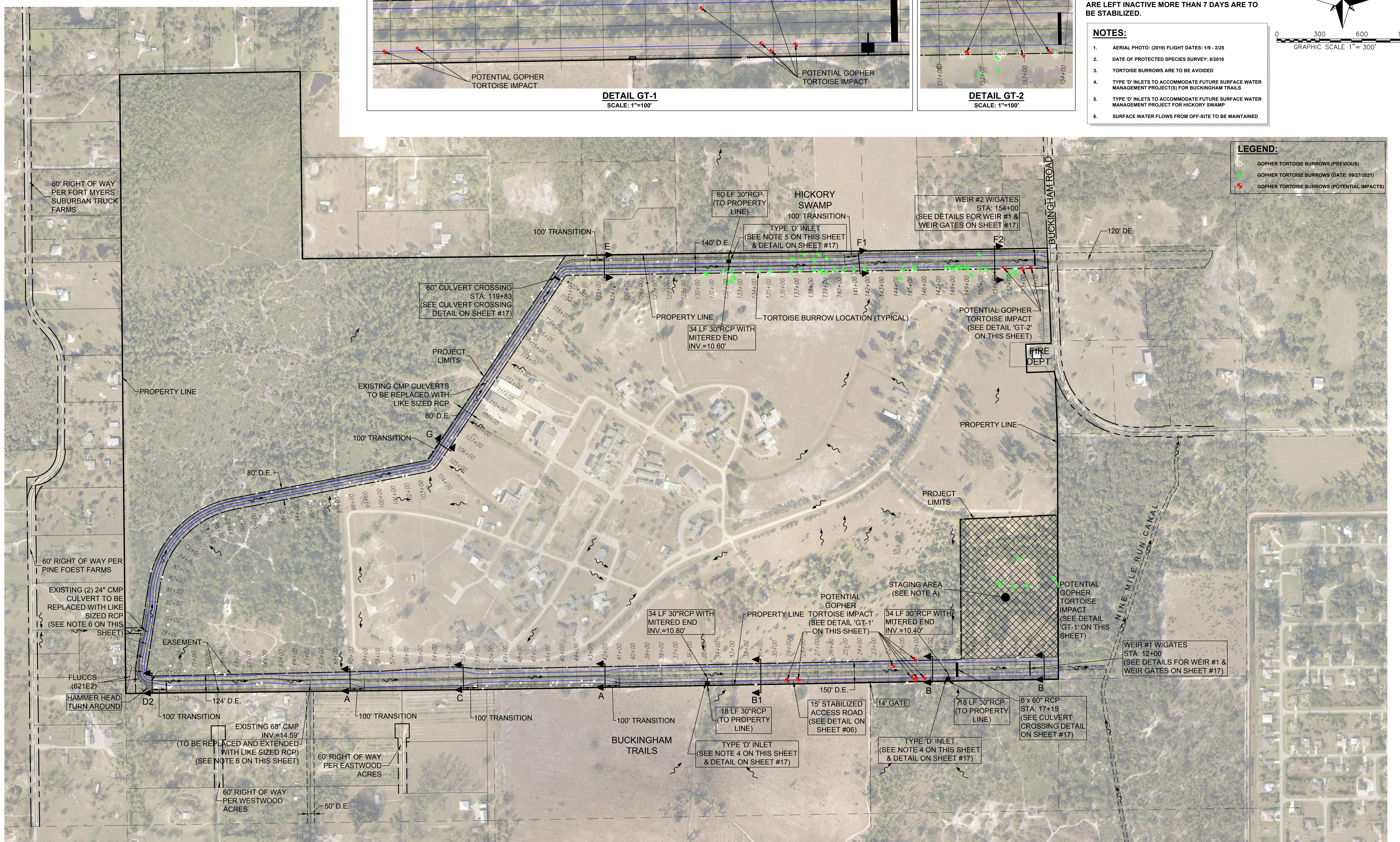
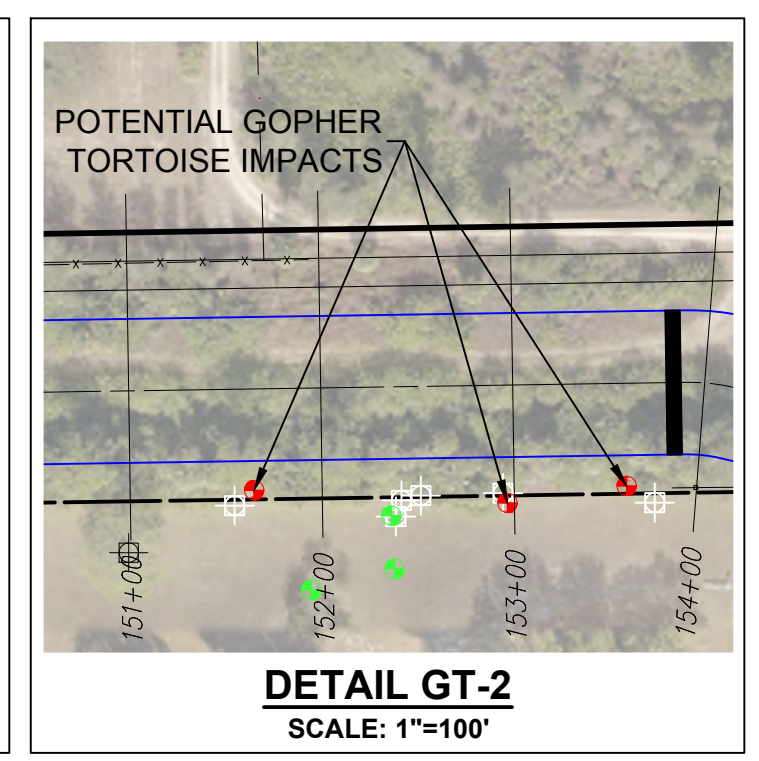
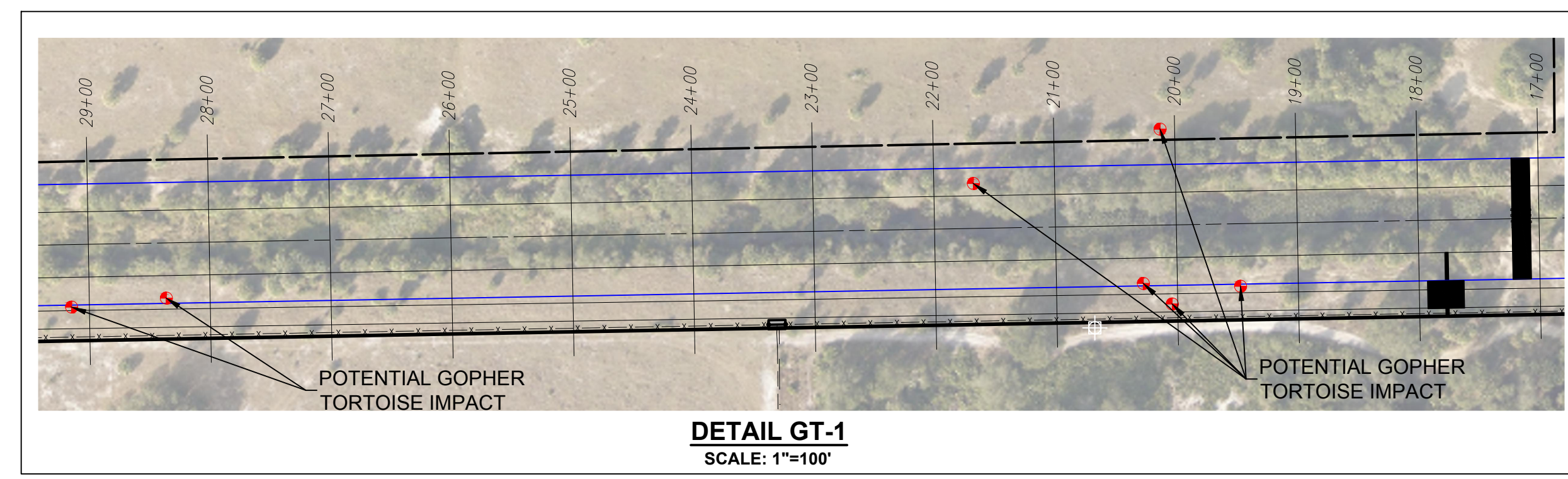


FLUCCS DESCRIPTION:
621E2 CYPRESS INVADDED BY EXOTICS (26% TO 50%)

NOTE A:
STOCKPILES OF EXCESS FILL MATERIAL THAT ARE LEFT INACTIVE MORE THAN 7 DAYS ARE TO BE STABILIZED.

- NOTES:**
1. AERIAL PHOTO: (2019) FLIGHT DATES: 1/9 - 2/25
 2. DATE OF PROTECTED SPECIES SURVEY: 8/2018
 3. TORTOISE BURROWS ARE TO BE AVOIDED
 4. TYPE 'D' INLETS TO ACCOMMODATE FUTURE SURFACE WATER MANAGEMENT PROJECT(S) FOR BUCKINGHAM TRAILS
 5. TYPE 'D' INLETS TO ACCOMMODATE FUTURE SURFACE WATER MANAGEMENT PROJECT FOR HICKORY SWAMP
 6. SURFACE WATER FLOWS FROM OFF-SITE TO BE MAINTAINED

- LEGEND:**
- GOPHER TORTOISE BURROWS (PREVIOUS)
 - GOPHER TORTOISE BURROWS (DATE: 09/27/2021)
 - GOPHER TORTOISE BURROWS (POTENTIAL IMPACTS)



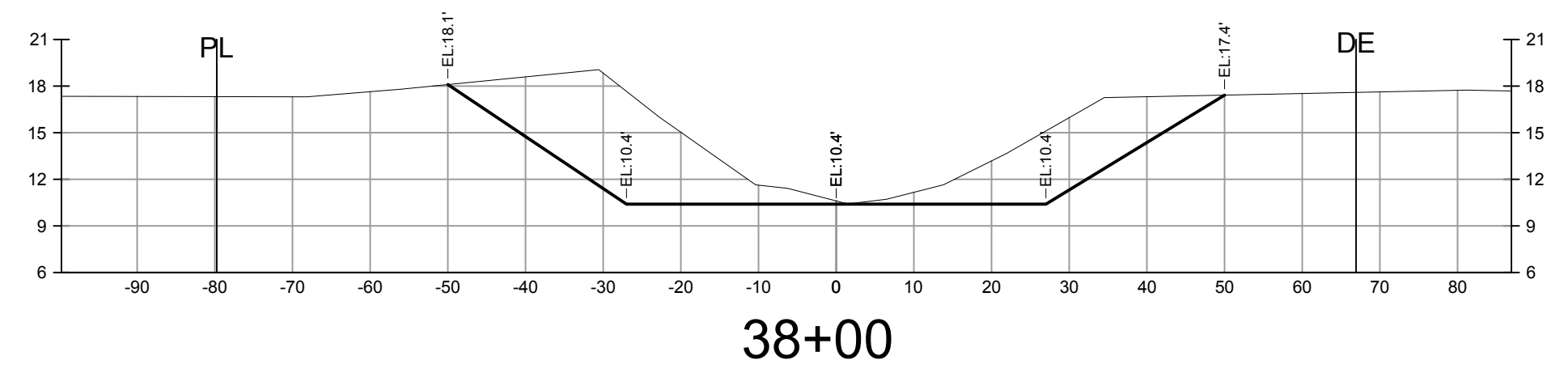
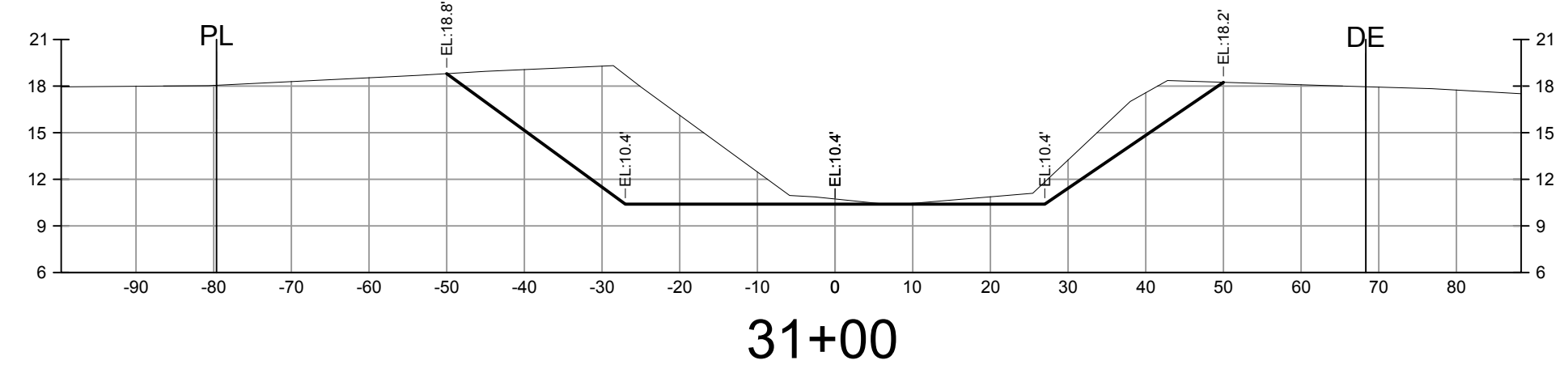
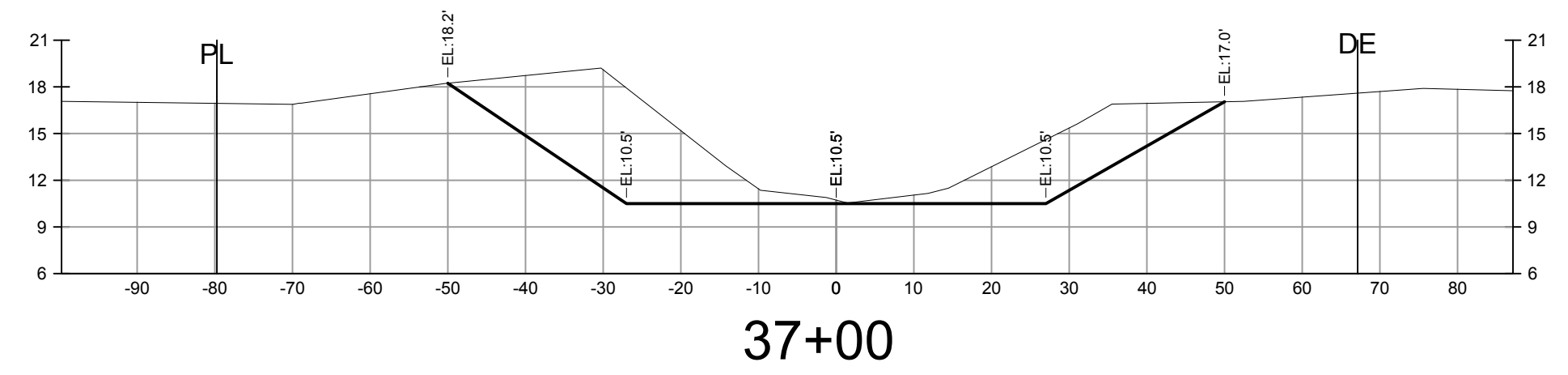
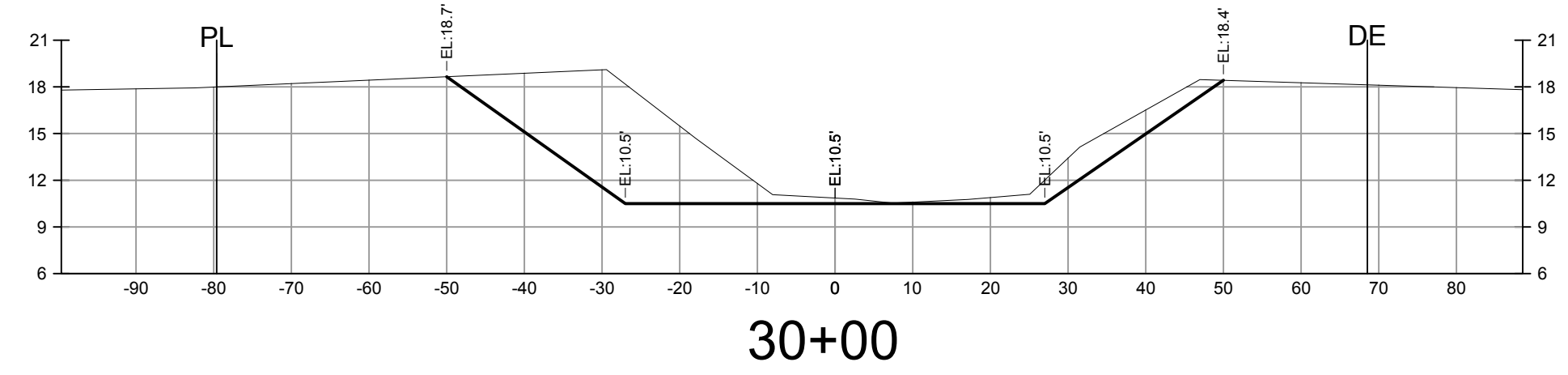
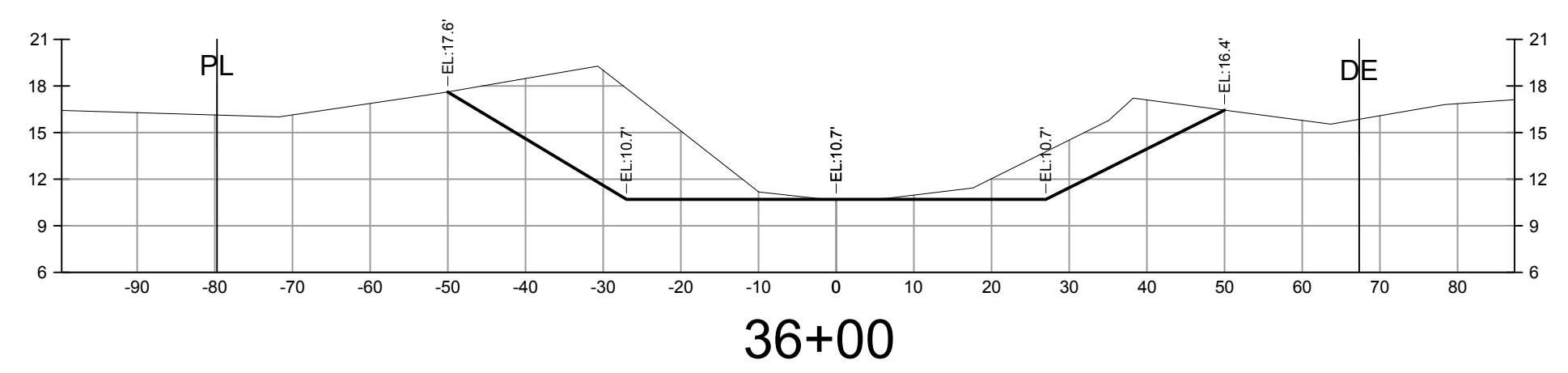
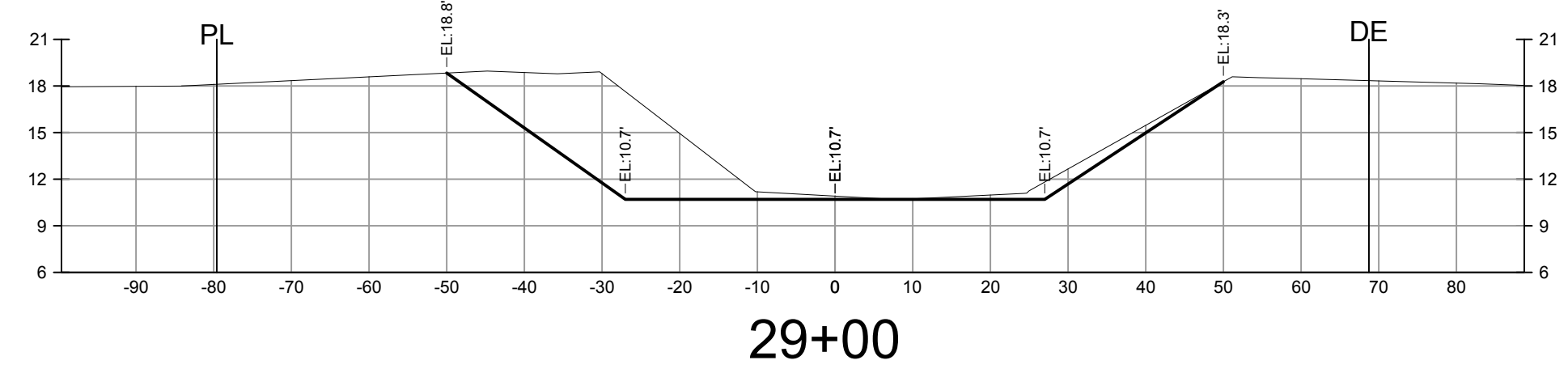
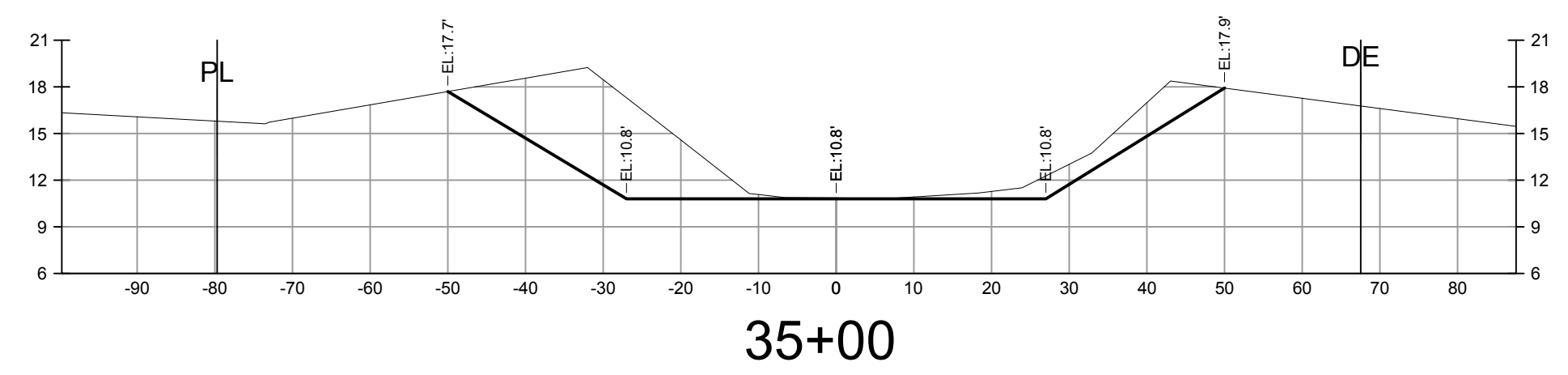
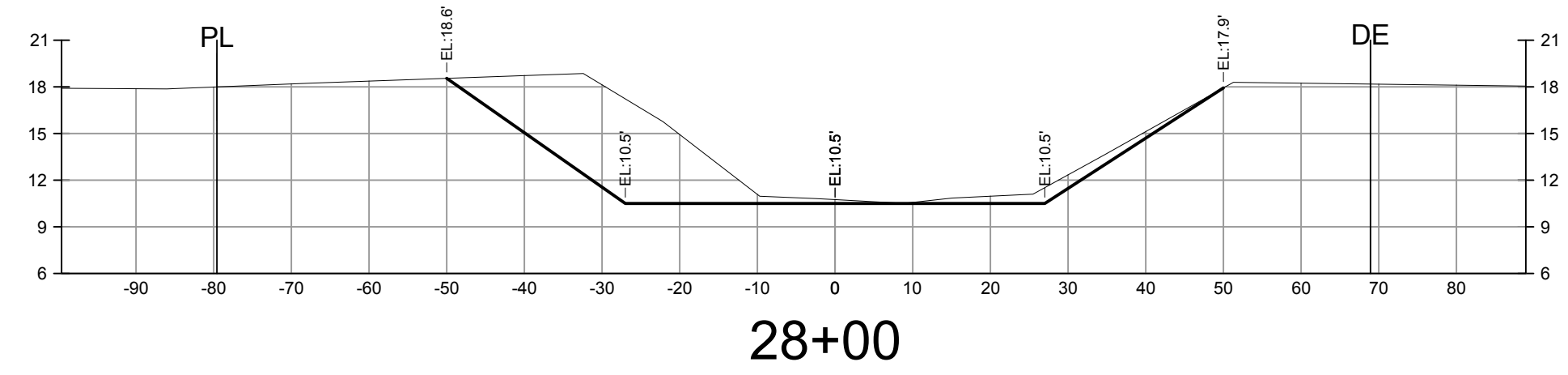
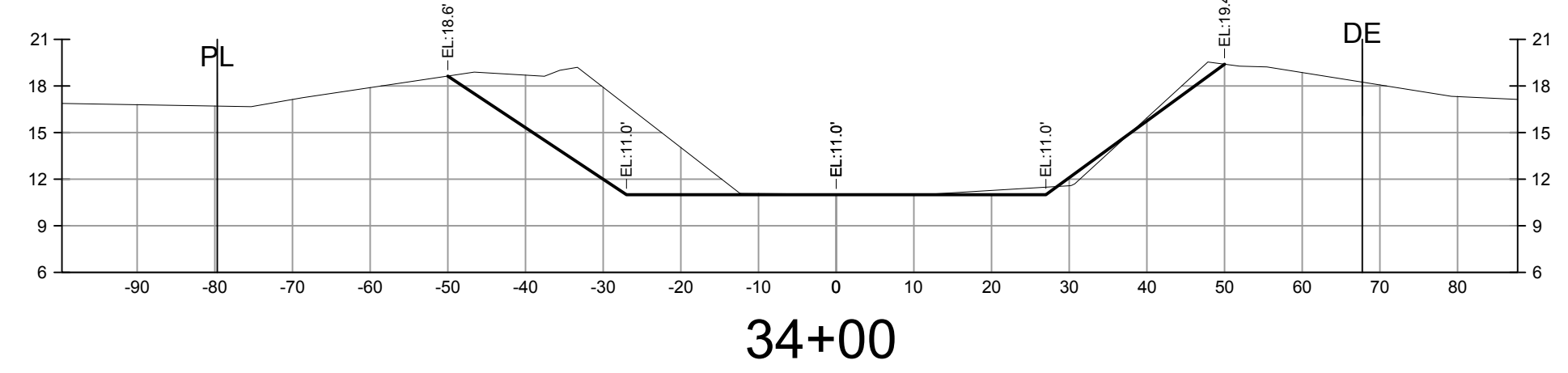
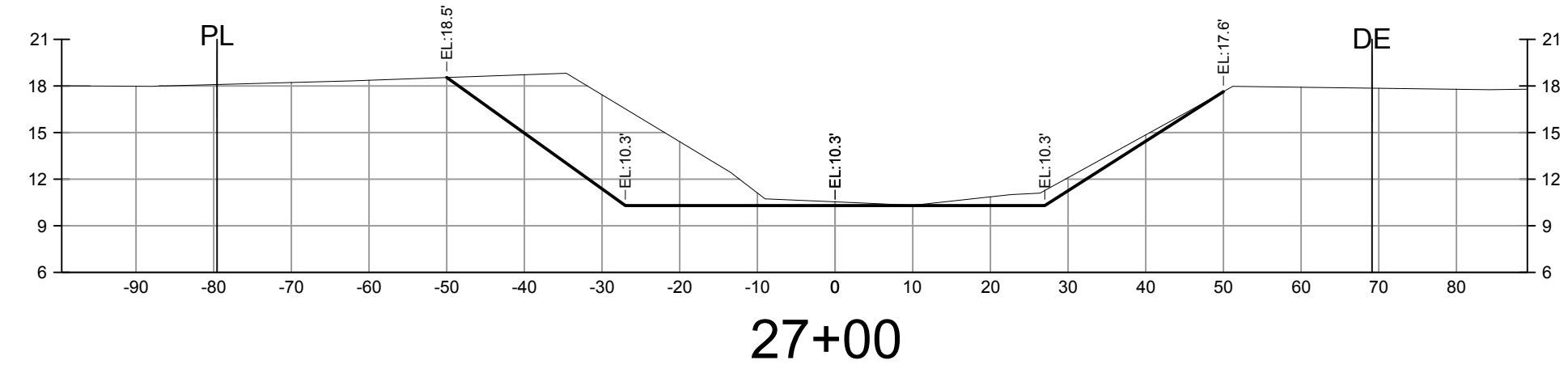
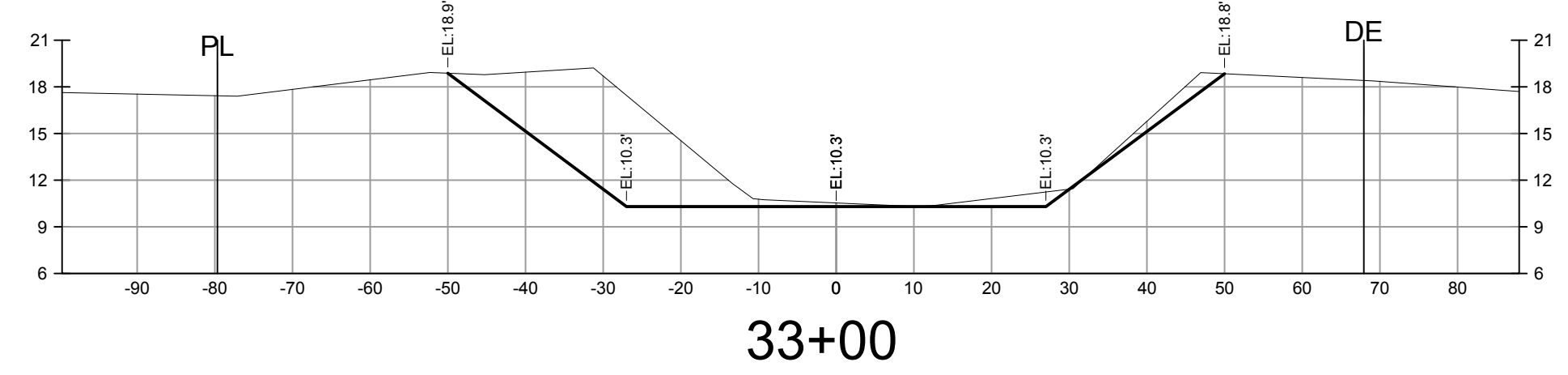
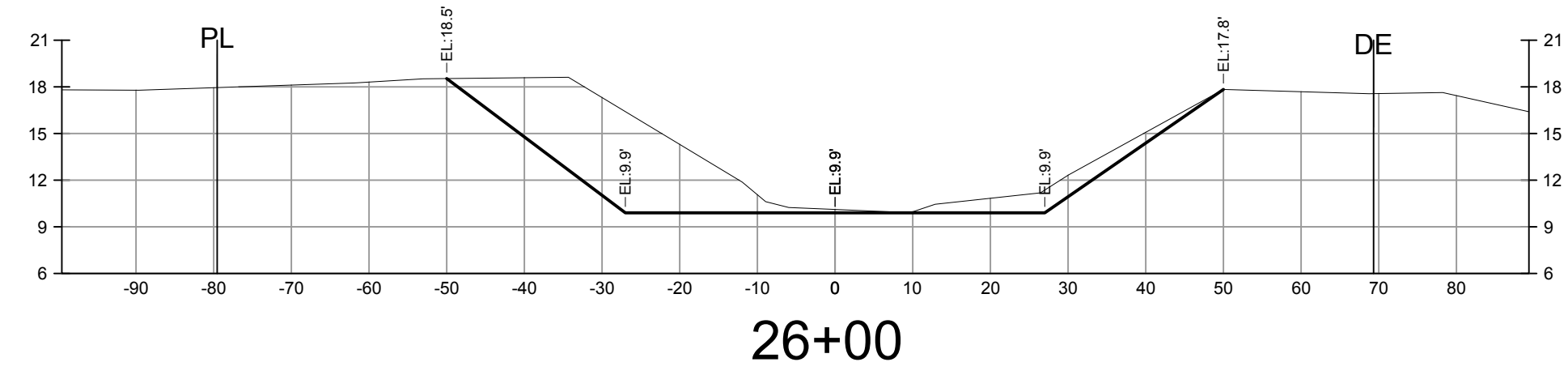
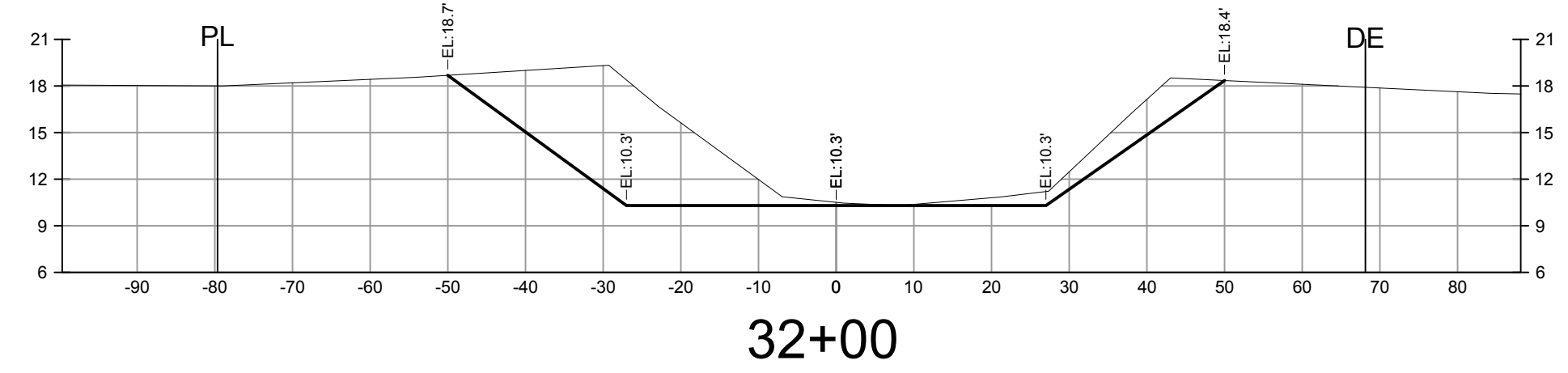
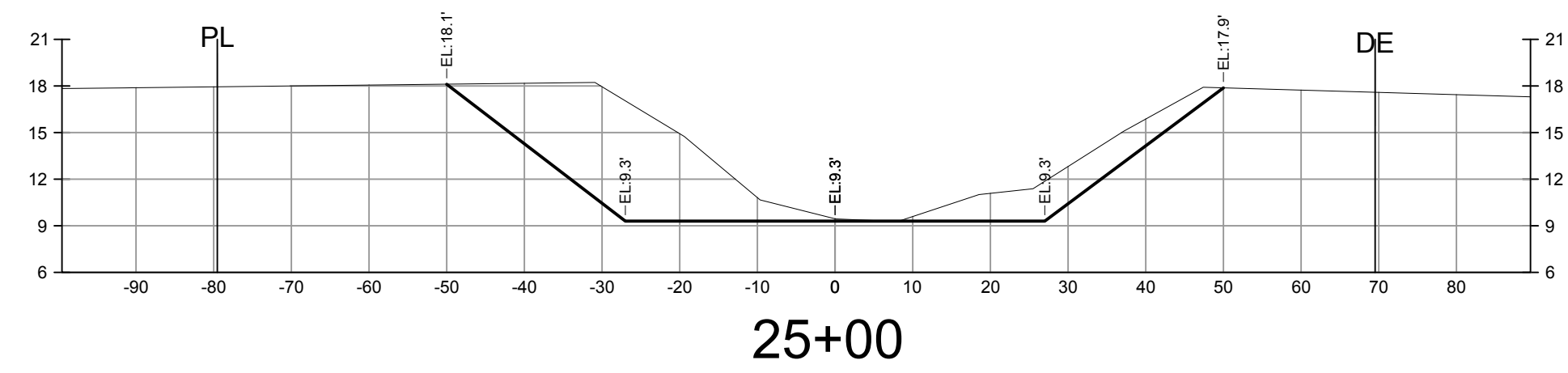
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MASTER ENGINEERING PLAN						
SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT						
LEE COUNTY, FLORIDA						
DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE
5/14/2019	8234	_AER	KWK	SDJ	KWK	AS NOTED
						SHEET 05



NOTE:
EXISTING GOPHER TORTOISE BURROS TO BE AVOIDED AS MUCH AS PRACTICAL.



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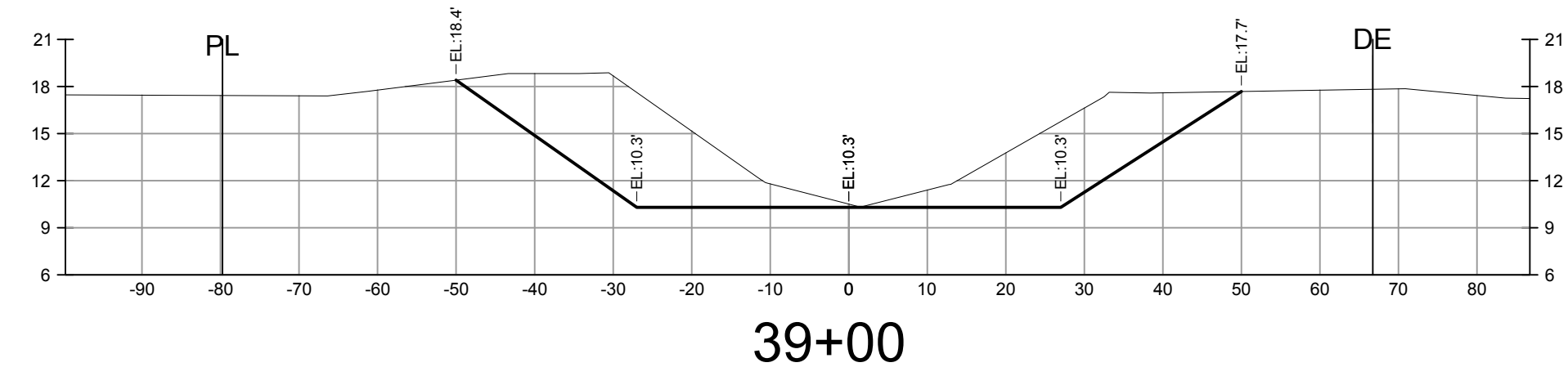
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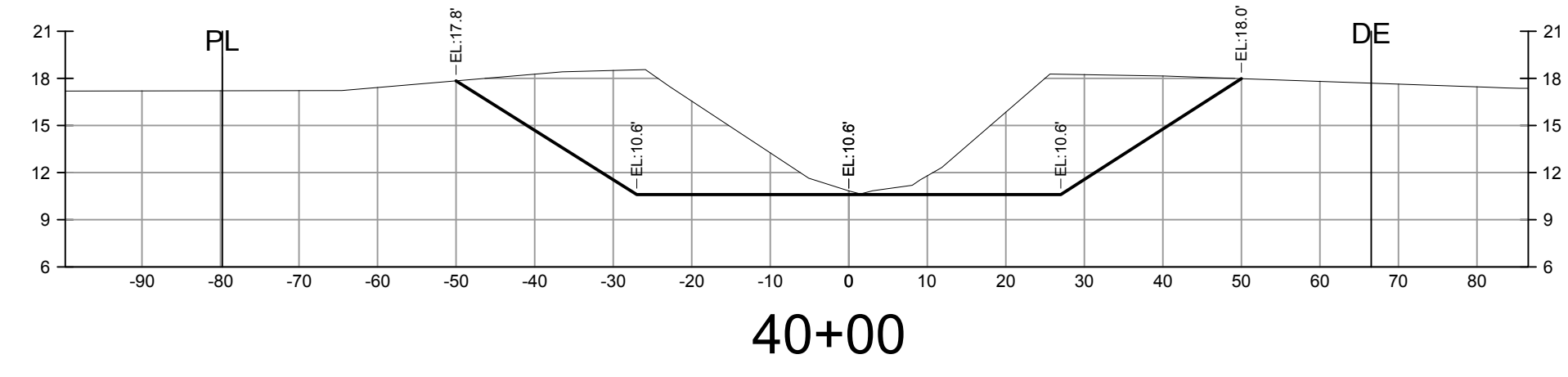
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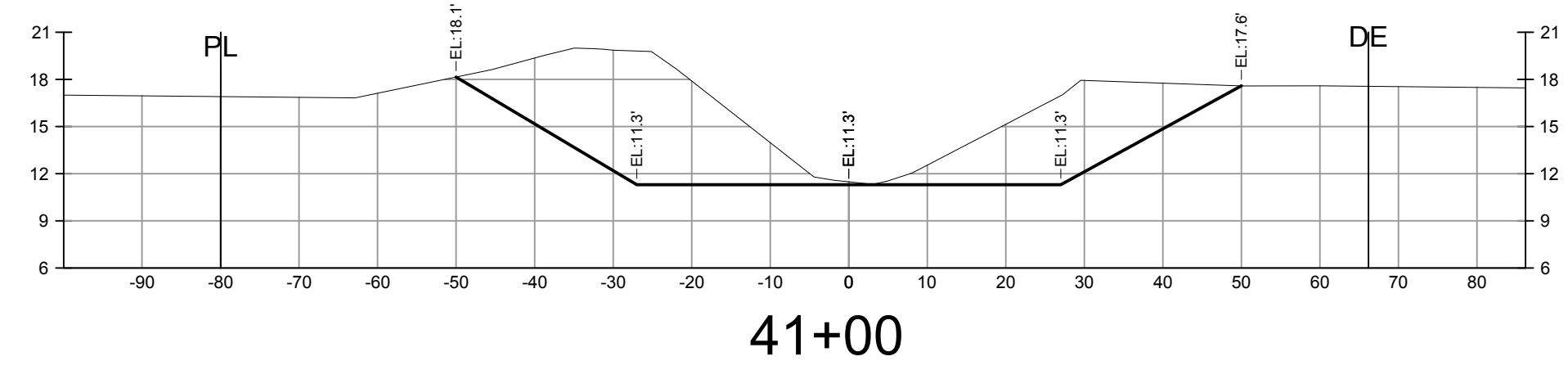
CROSS SECTIONS - STA. 25+00 TO 38+00									
SUNNILD / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT									
LEE COUNTY, FLORIDA									
DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET		
5/14/2019	8234	_AER	KWK	SDJ	KWK	V: 1"=10' H: 1"=20'	08		



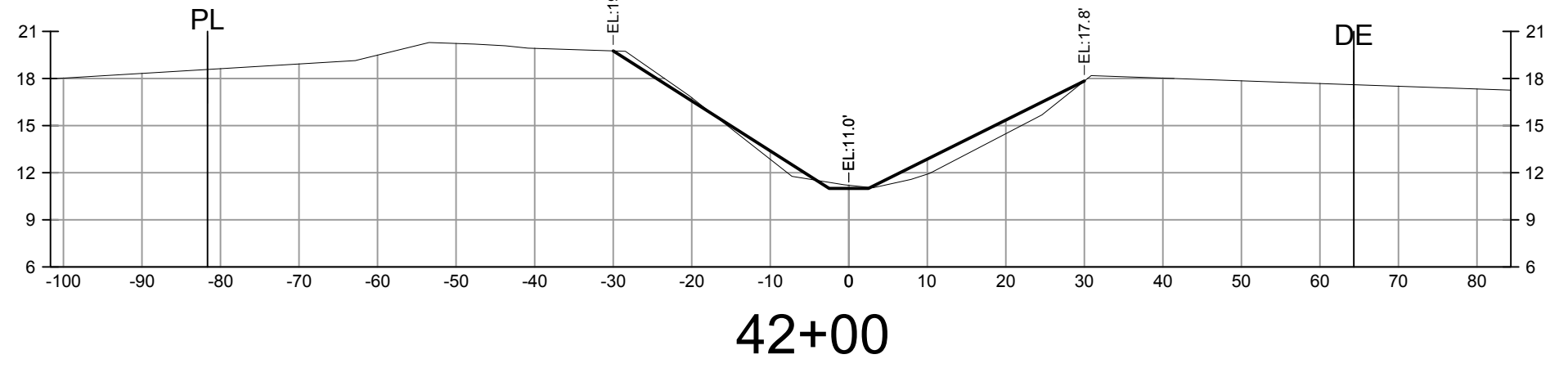
39+00



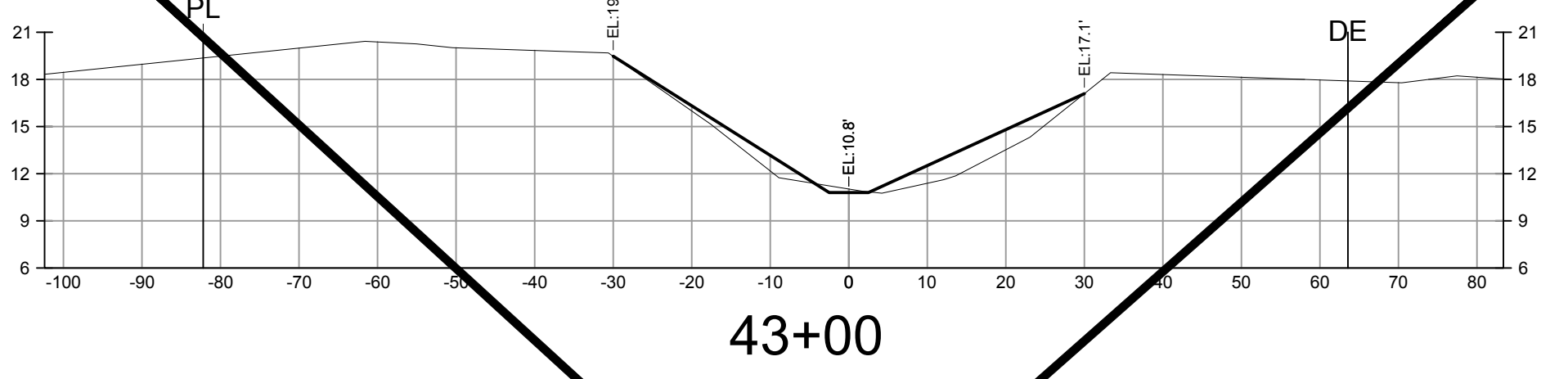
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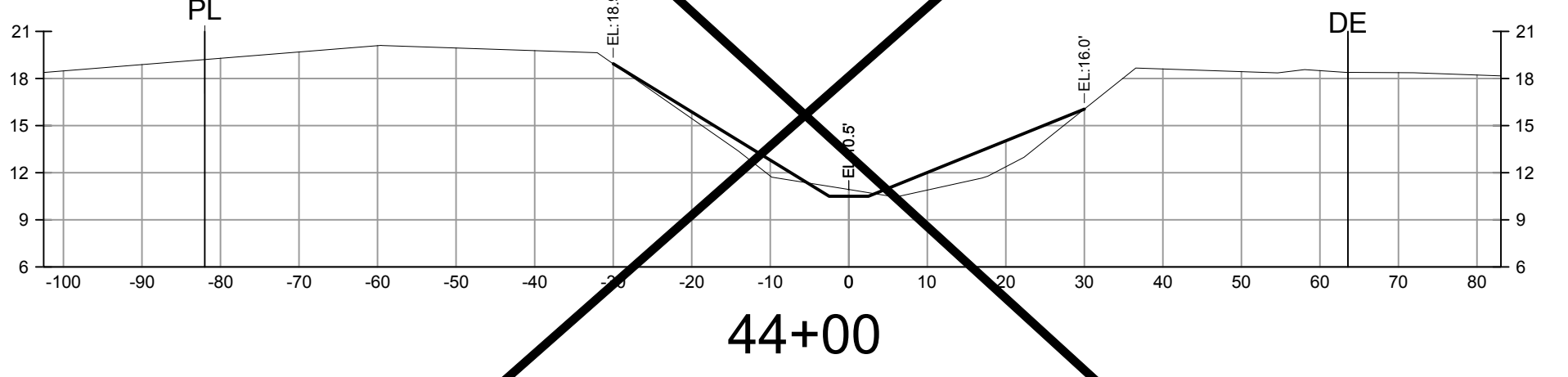
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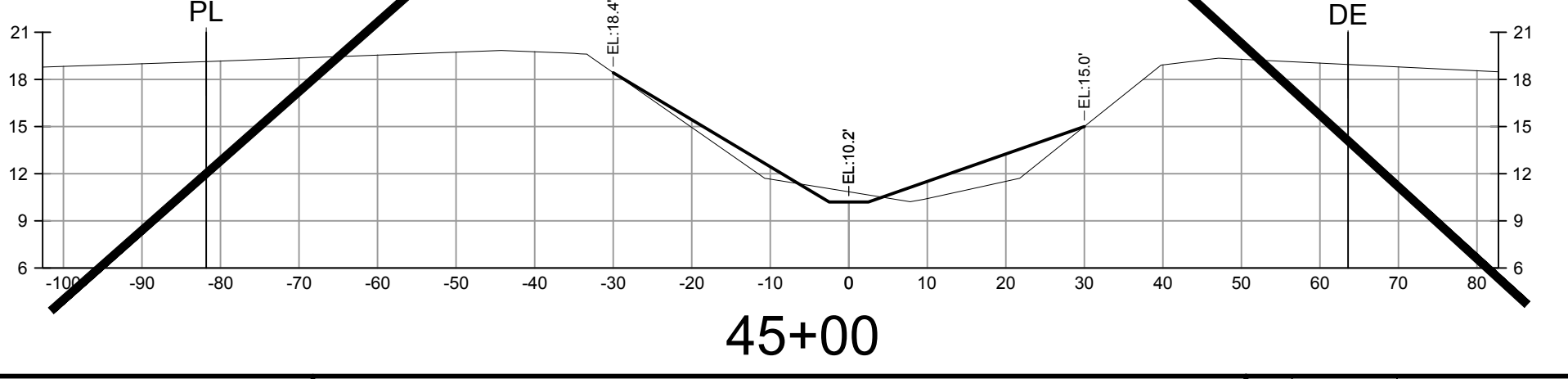
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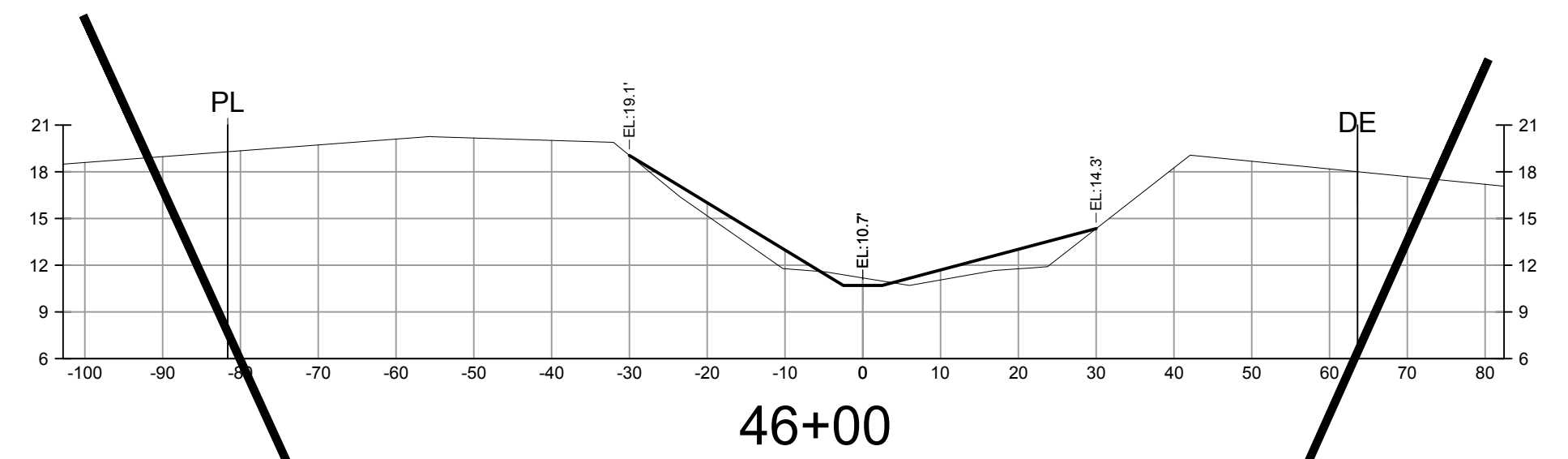
43+00



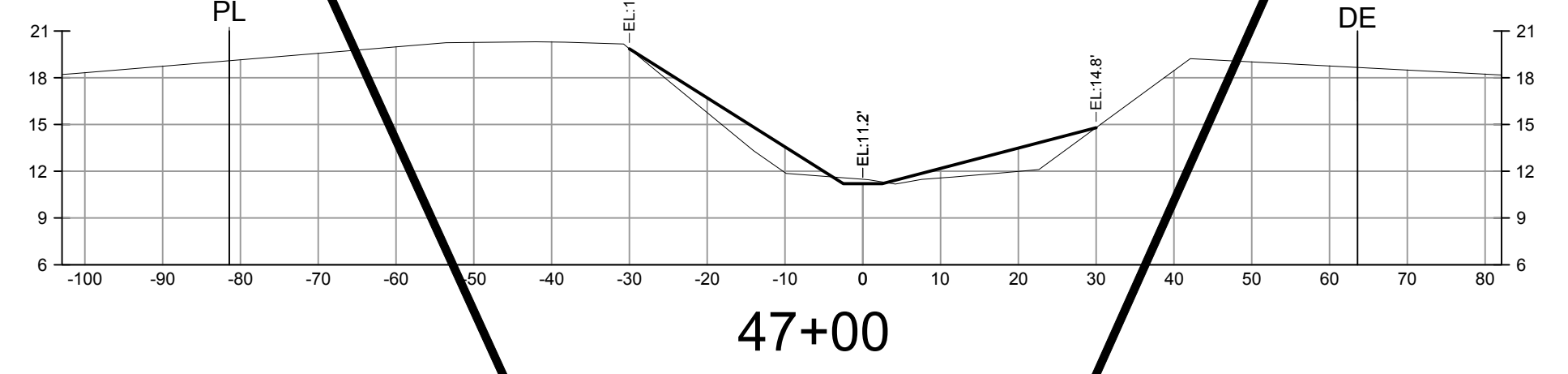
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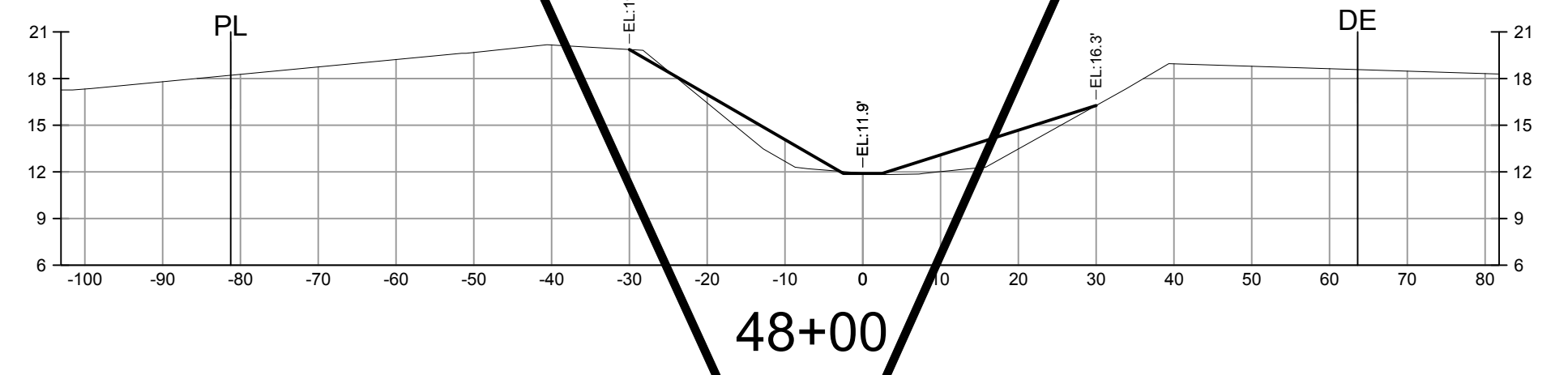
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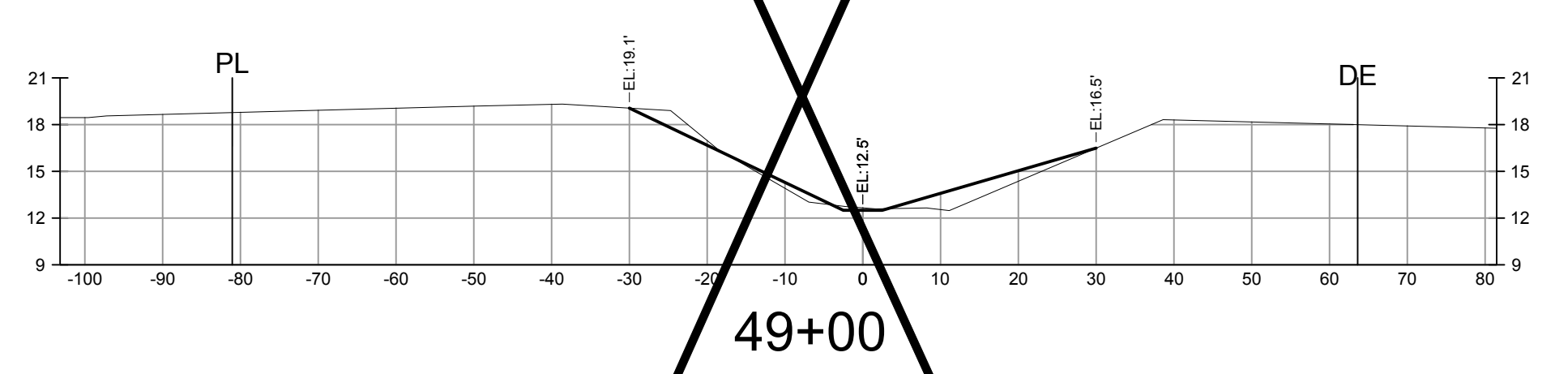
46+00



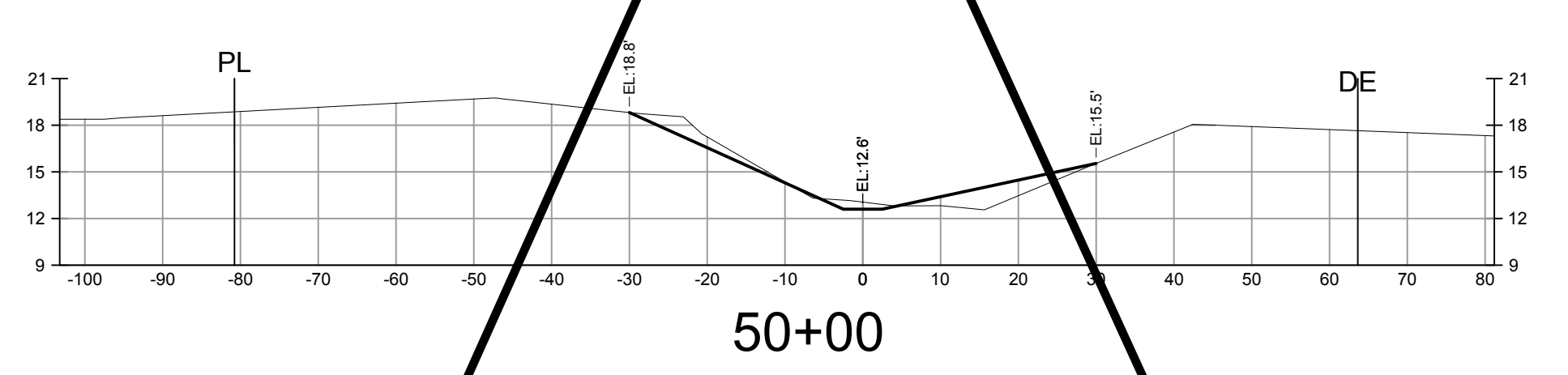
47+00



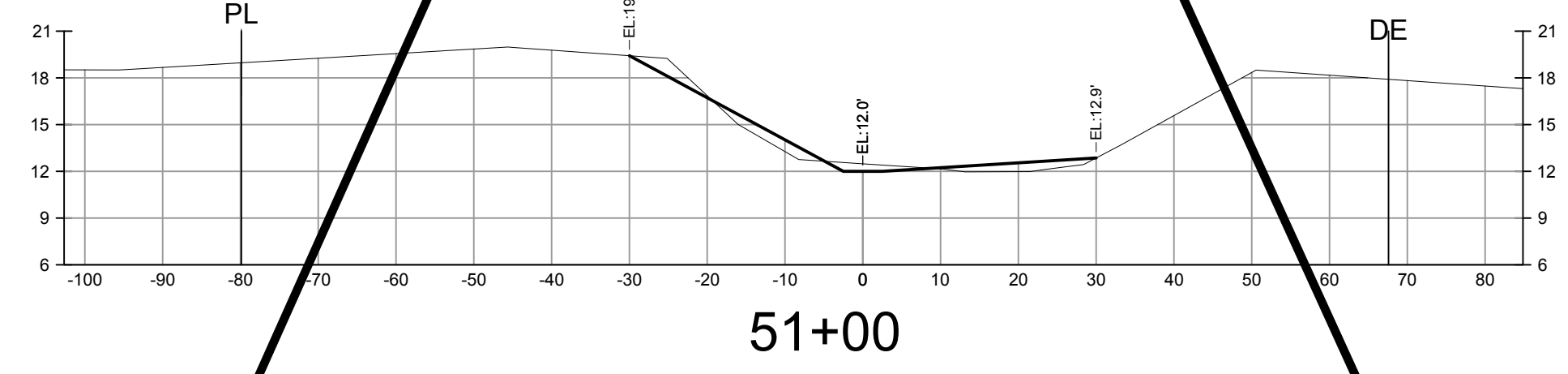
48+00



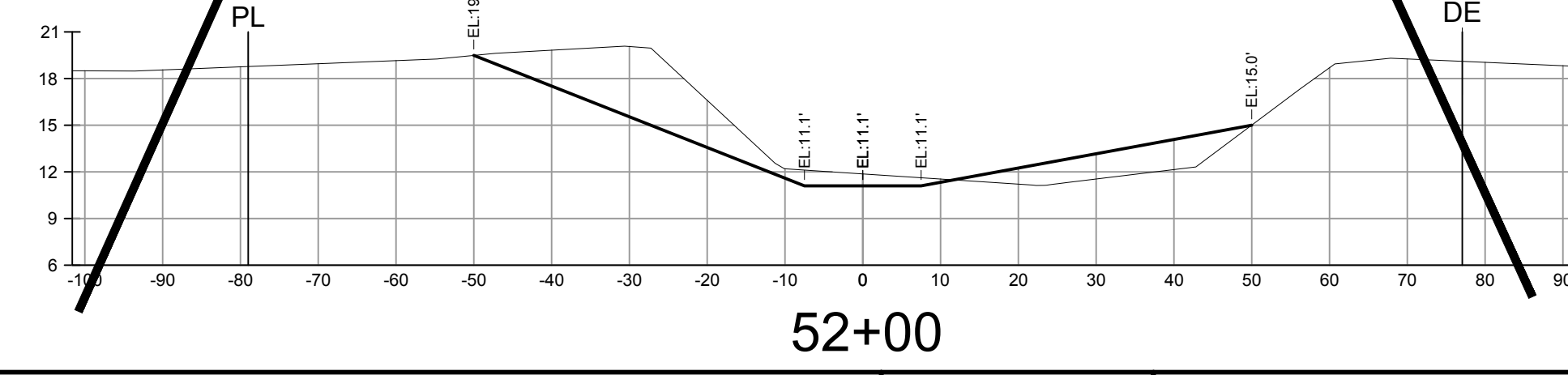
49+00



50+00



51+00



52+00

NOTE:
EXISTING GOPHER TORTOISE BURROS TO BE AVOIDED AS MUCH AS PRACTICAL.



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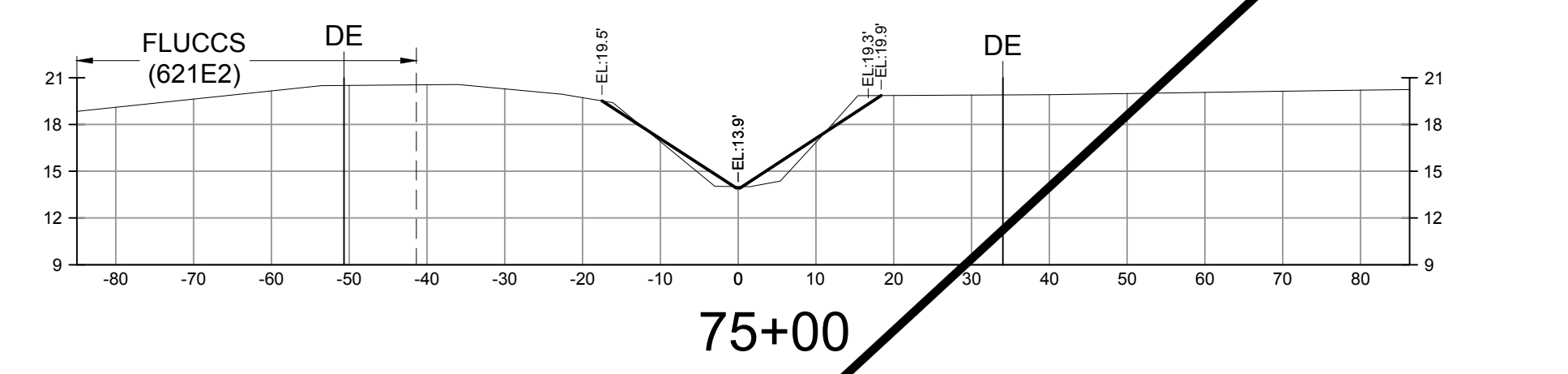
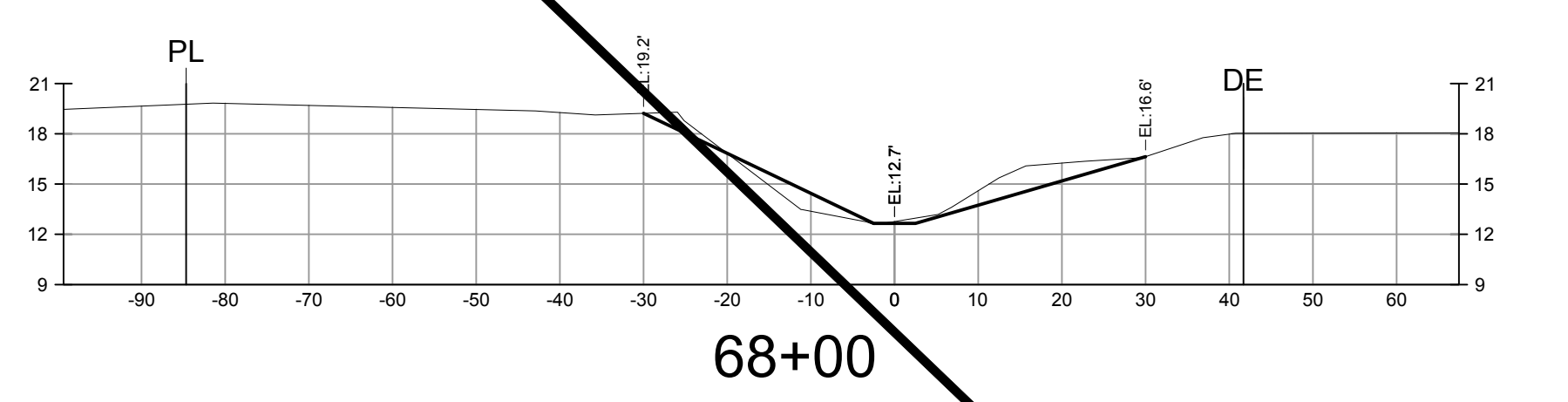
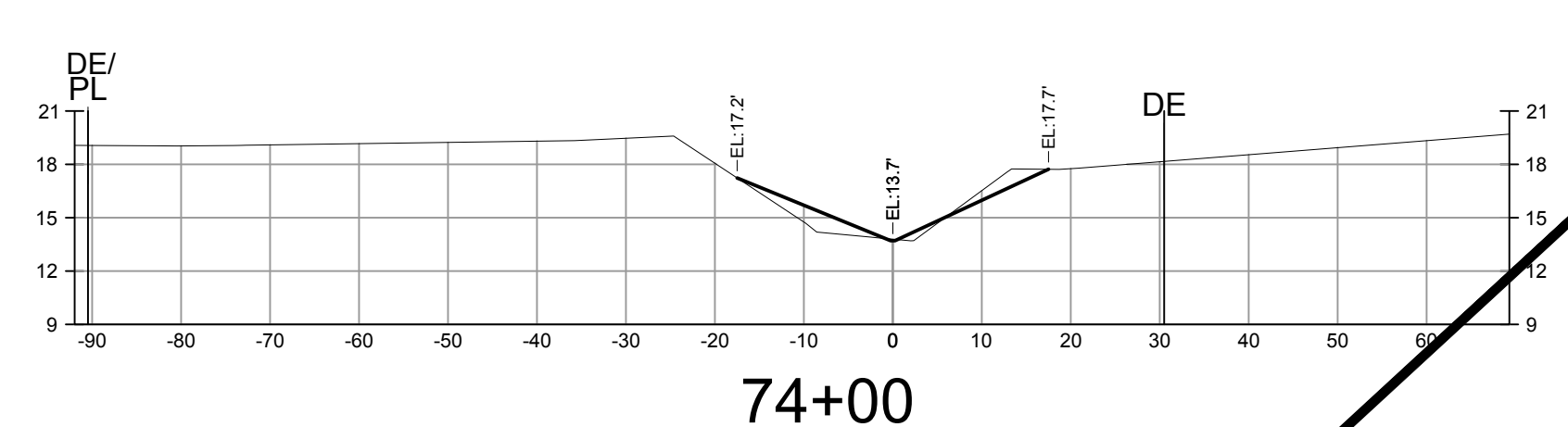
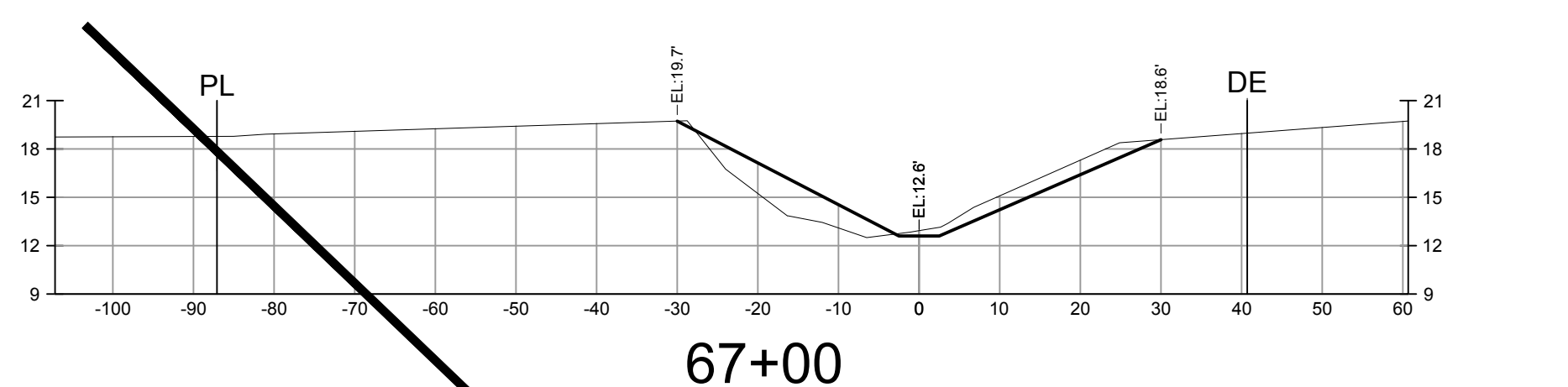
NO.	DATE	REVISION DESCRIPTION	BY

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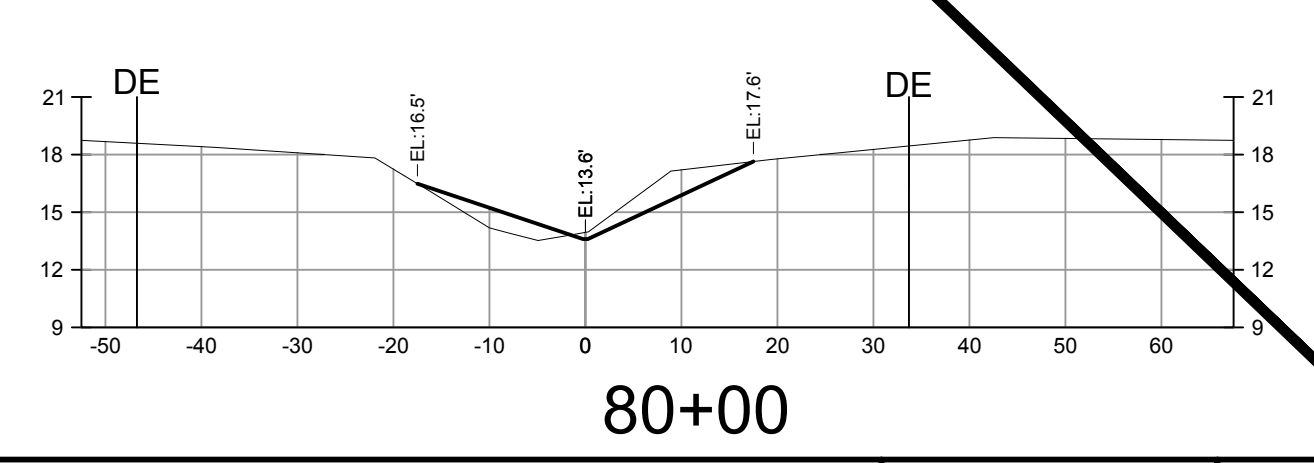
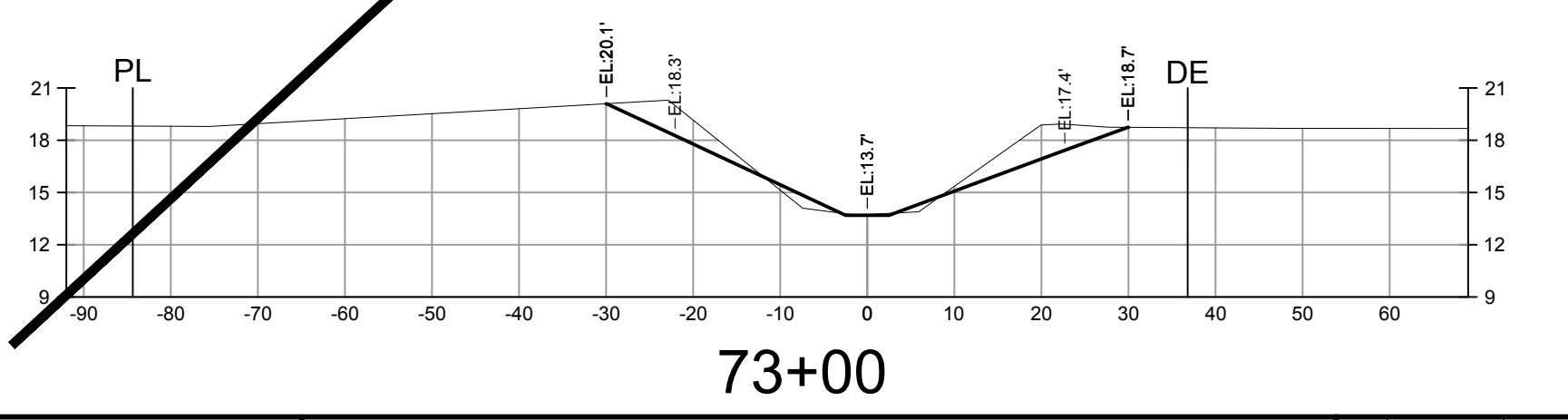
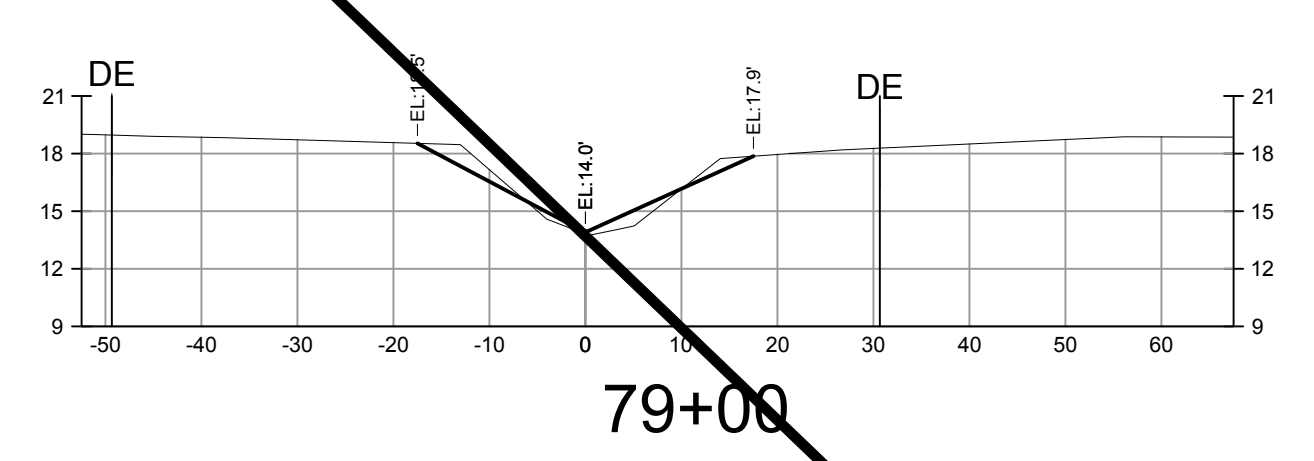
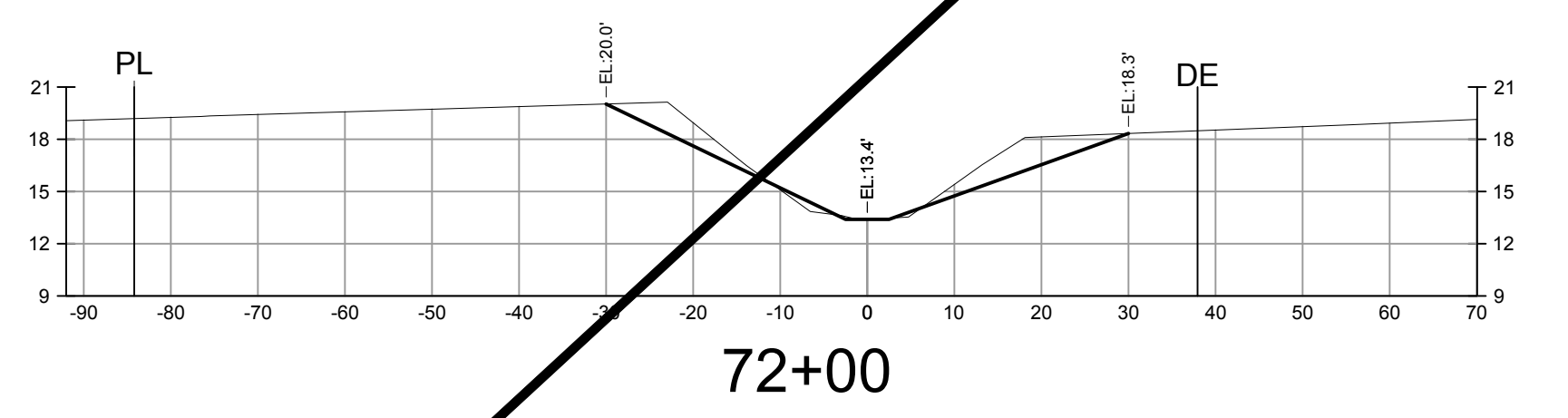
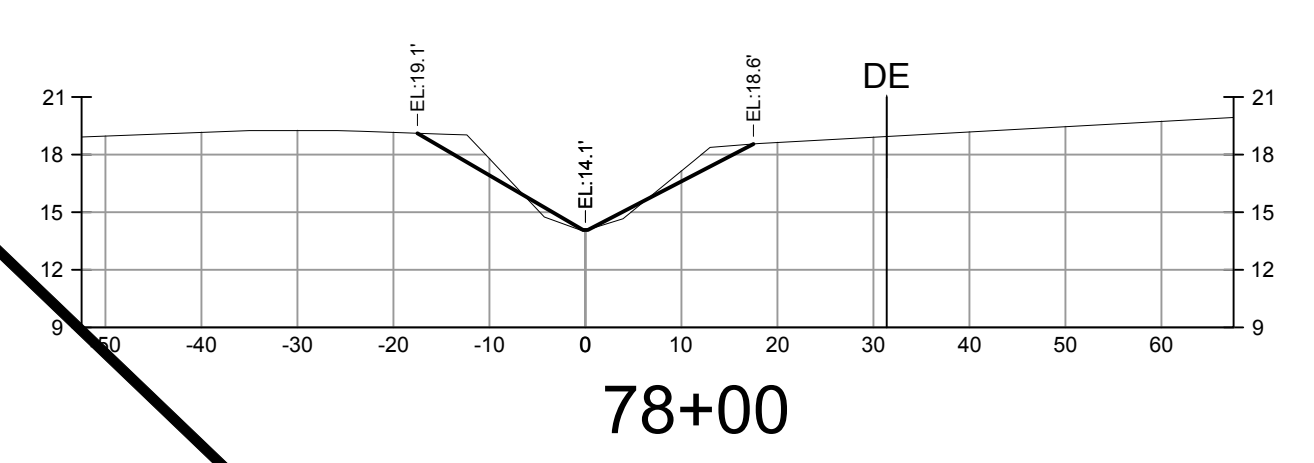
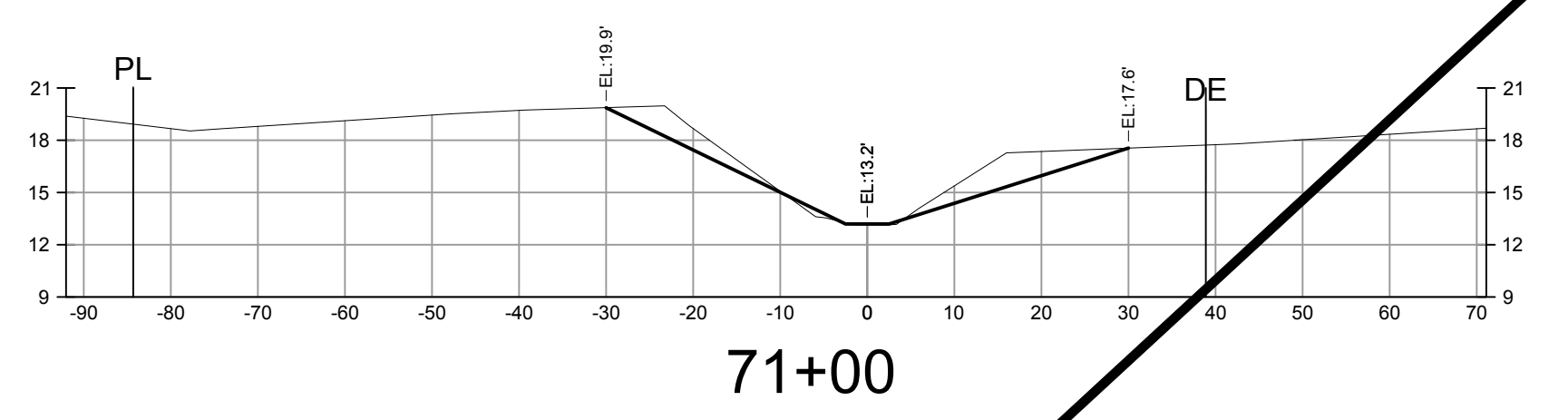
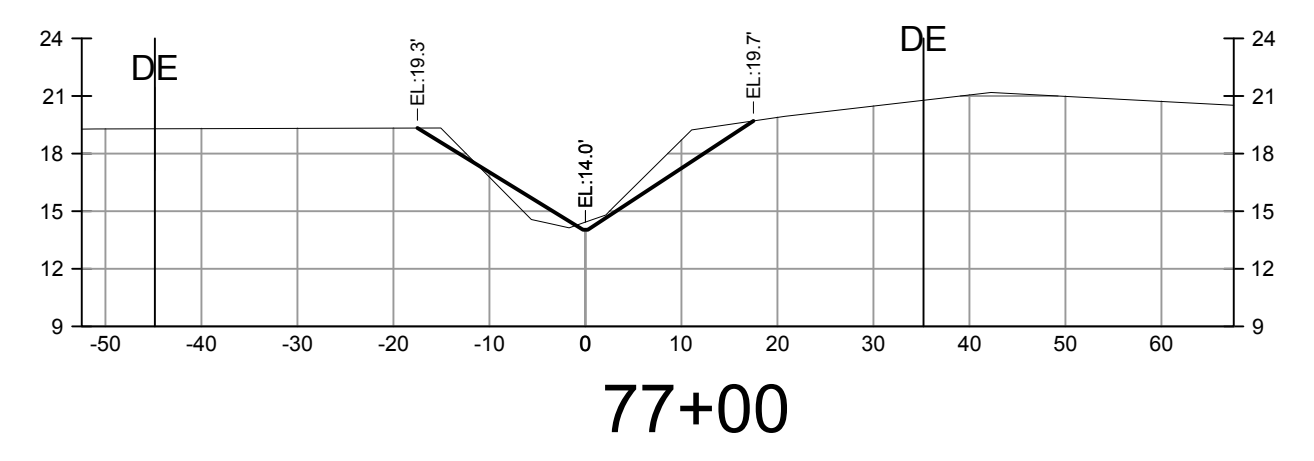
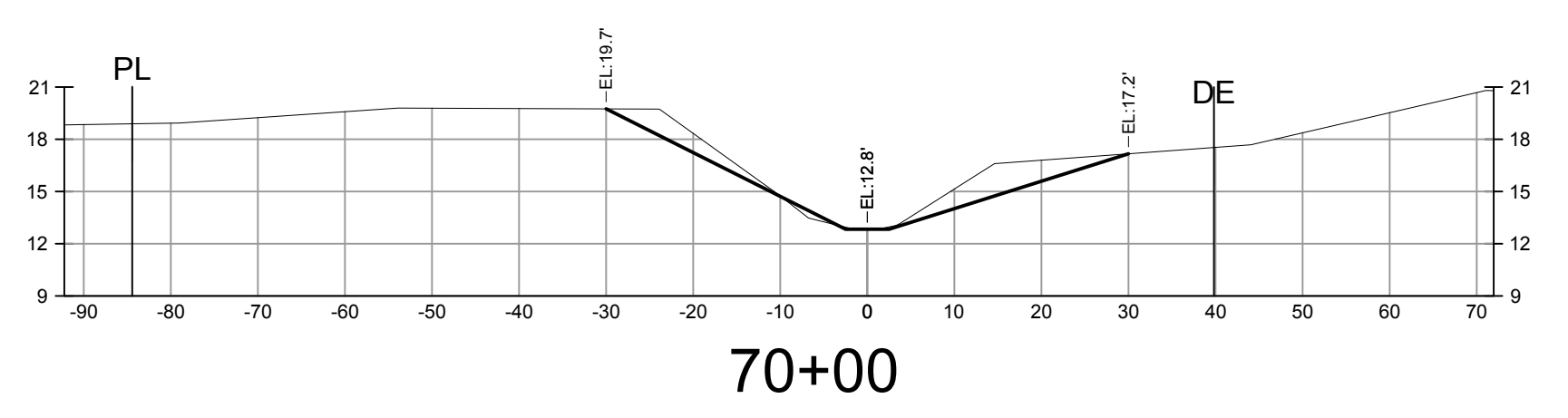
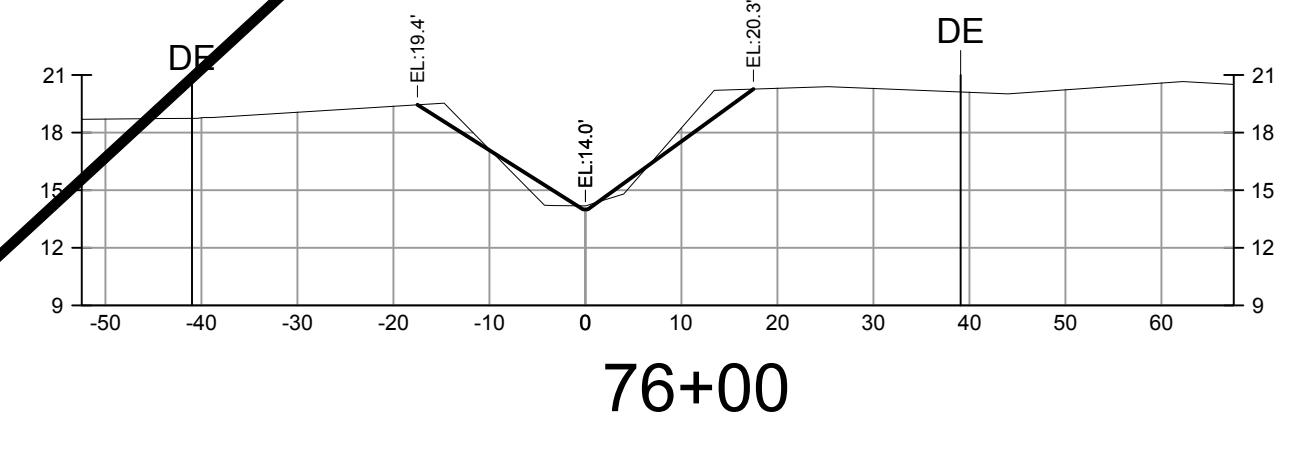
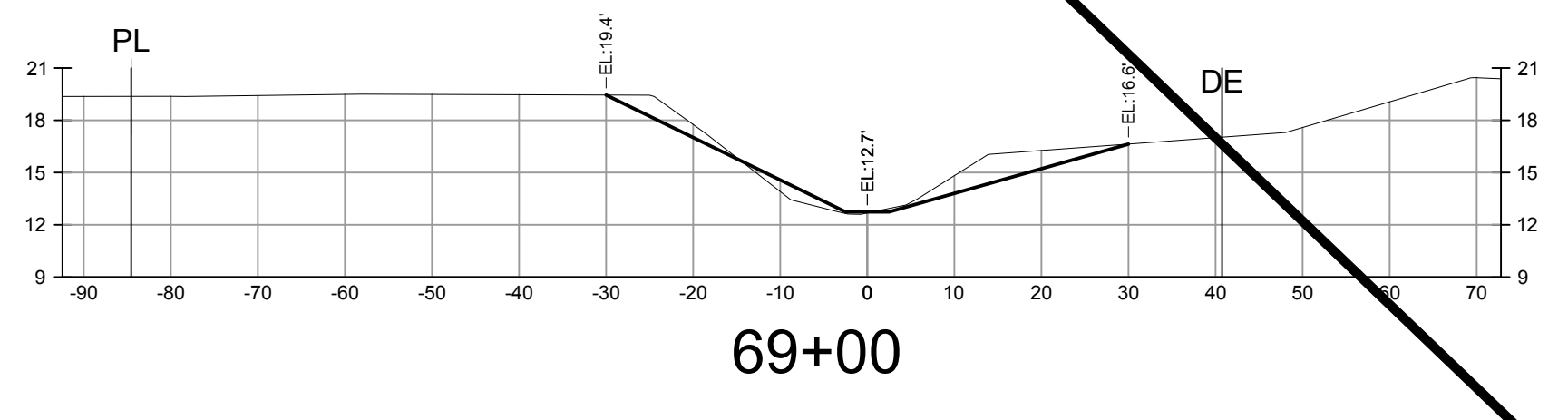
10511 SIX MILE CYPRESS PARKWAY
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ENGINEERING LICENSE # EB 6469
SURVEY LICENSE # LB 6690
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FL REG # 26661

CROSS SECTIONS - STA. 39+00 TO 52+00									
SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT									
LEE COUNTY, FLORIDA									
DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET		
5/14/2019	8234	_AER	KWK	SDJ	KWK	V: 1"=10' H: 1"=20'	09		



FLUCCS DESCRIPTION:
621E2 CYPRESS INVADDED BY EXOTICS (26% TO 50%)



NOTE:
EXISTING GOPHER TORTOISE BURROS TO BE BE AVOIDED AS MUCH AS PRACTICAL.



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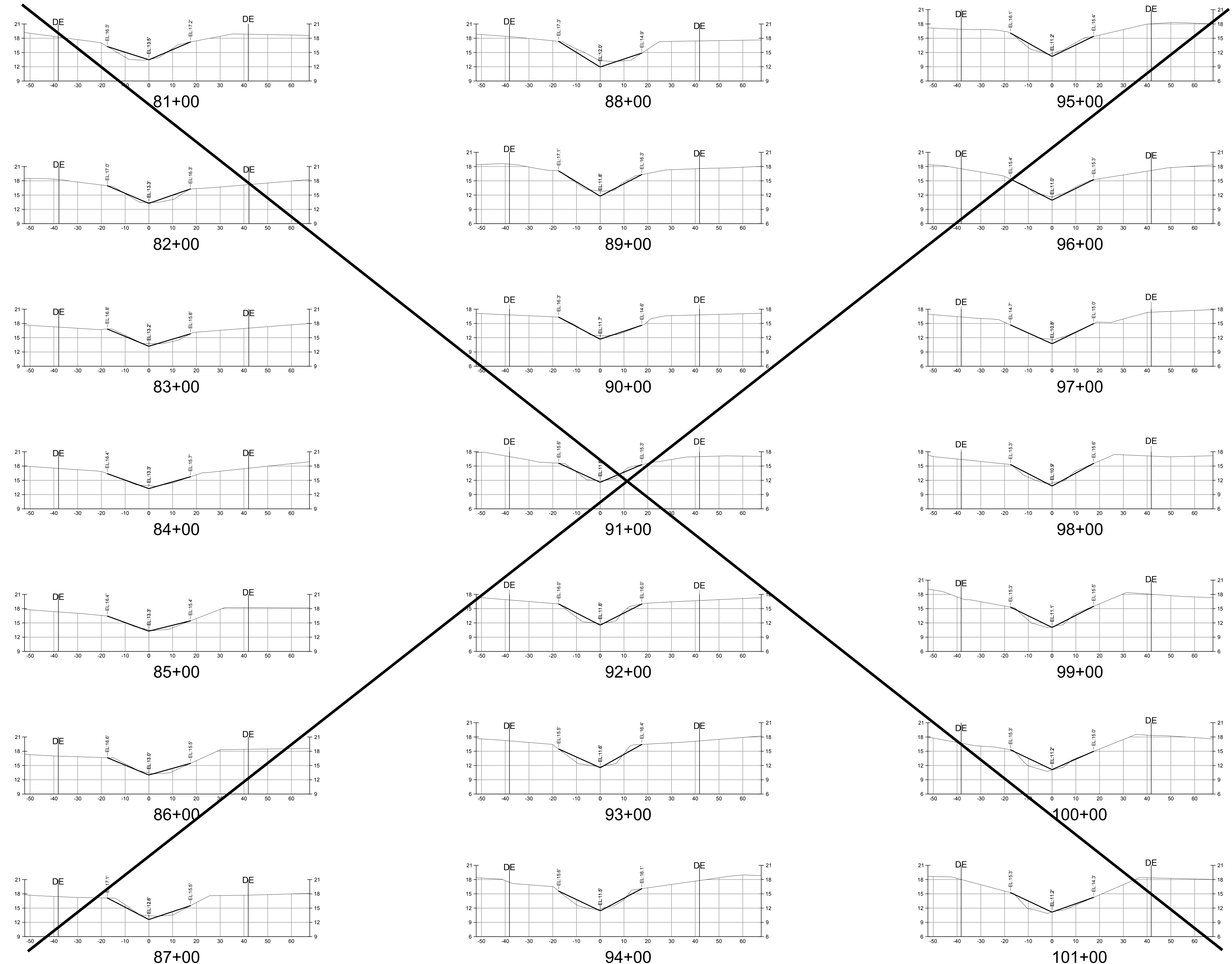
NO.	DATE	REVISED PER	REVISION DESCRIPTION	SDJ BY
1	4/29/2021	REVISED PER SFMWD COMMENTS		SDJ

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CROSS SECTIONS - STA. 67+00 TO 80+00									
SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT									
LEE COUNTY, FLORIDA									
DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET		
5/14/2019	8234	_AER	KWK	SDJ	KWK	V: 1"=10' H: 1"=20'	11		



NOTE:
EXISTING GOPHER TORTOISE BURROS TO BE AVOIDED AS MUCH AS PRACTICAL.



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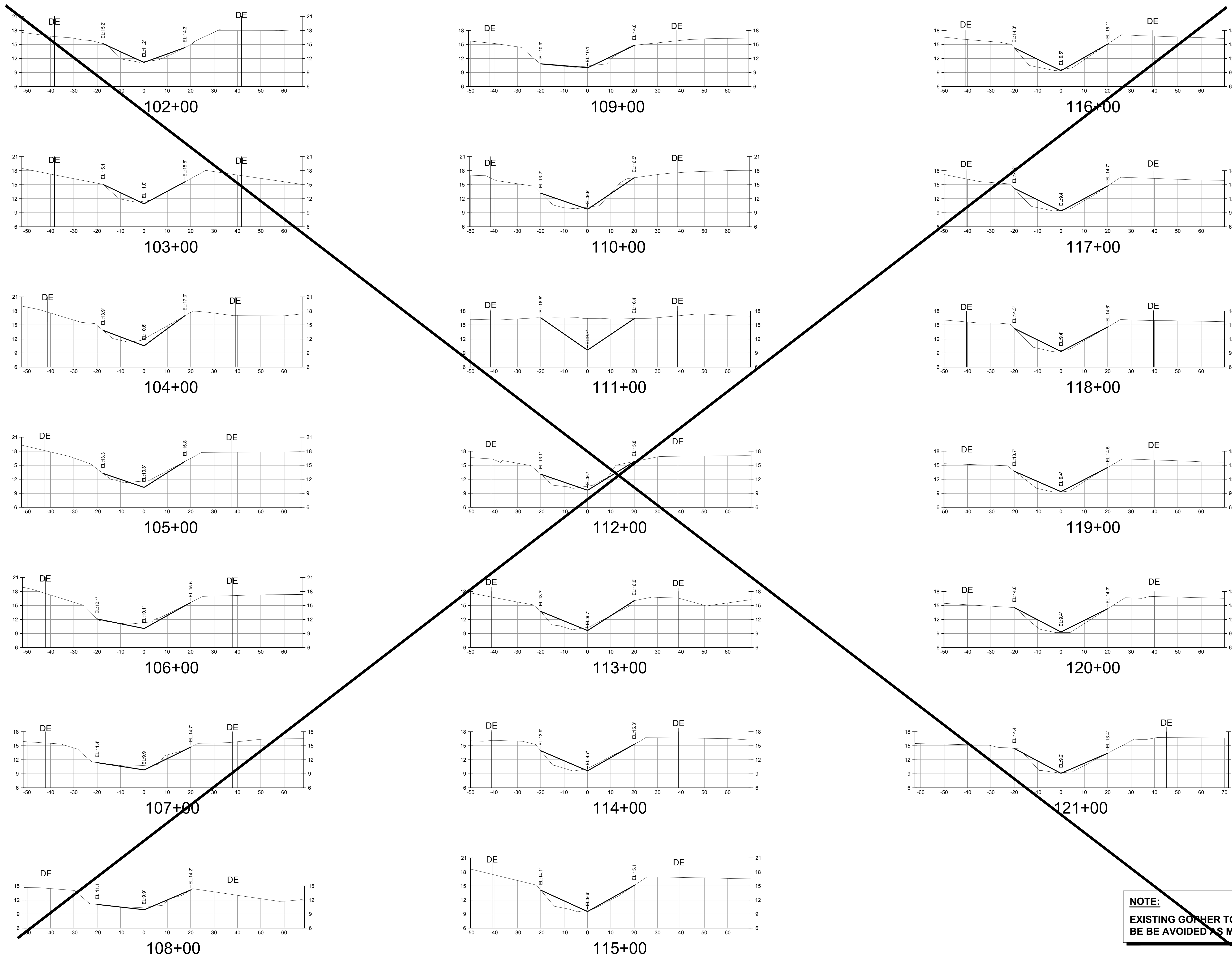
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CROSS SECTIONS - STA. 81+00 TO 101+00									
SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT									
LEE COUNTY, FLORIDA									
DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET		
5/14/2019	8234	_AER	KWK	SDJ	KWK	V: 1"=10' H: 1"=20'	12		



NOTE:
EXISTING Gopher TORTOISE BURROS TO BE AVOIDED AS MUCH AS PRACTICAL.



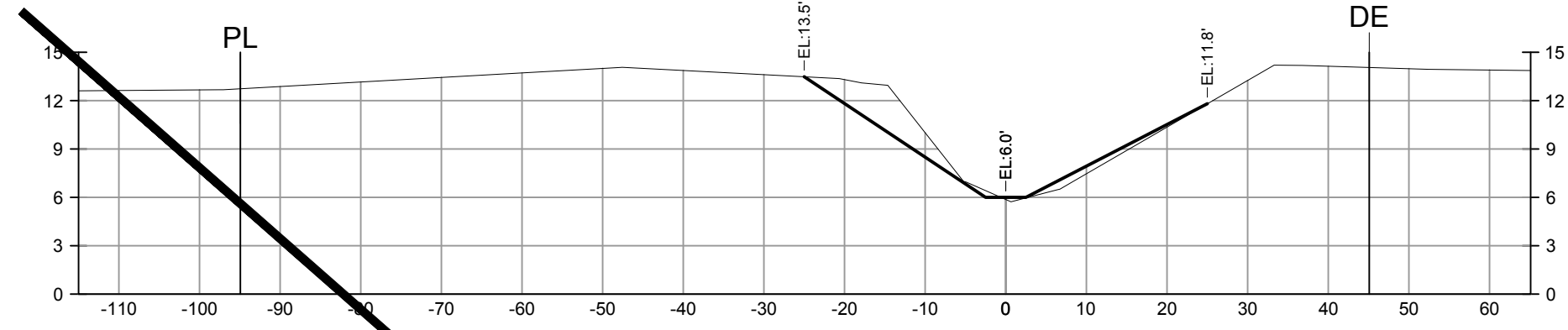
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NO.	DATE	REVISION DESCRIPTION	BY

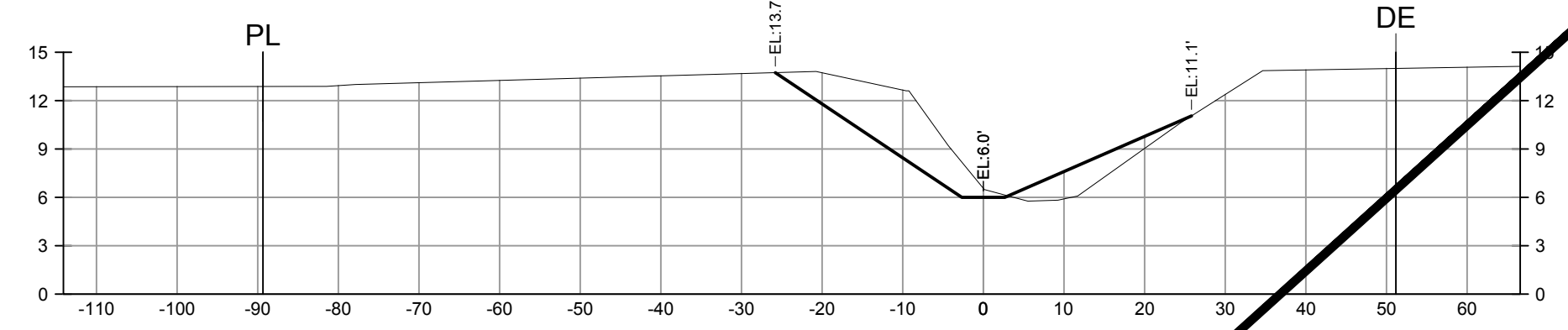
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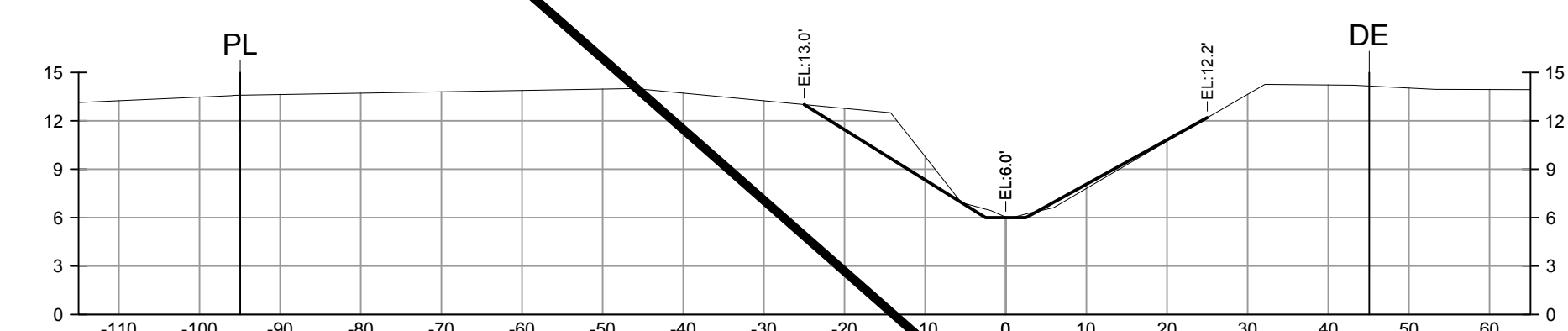
CROSS SECTIONS - STA. 102+00 TO 121+00									
SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT									
LEE COUNTY, FLORIDA									
DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET		
5/14/2019	8234	_AER	KWK	SDJ	KWK	V: 1"=10' H: 1"=20'	13		



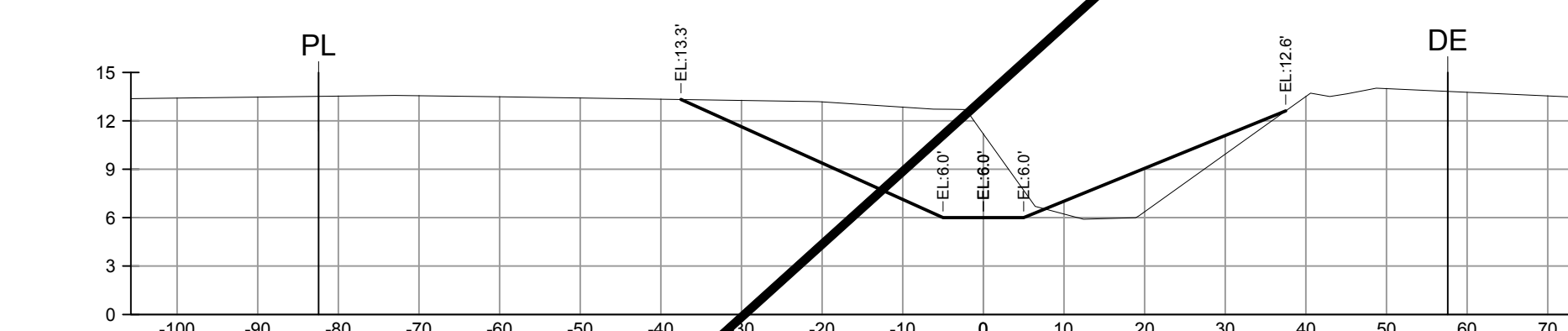
134+00



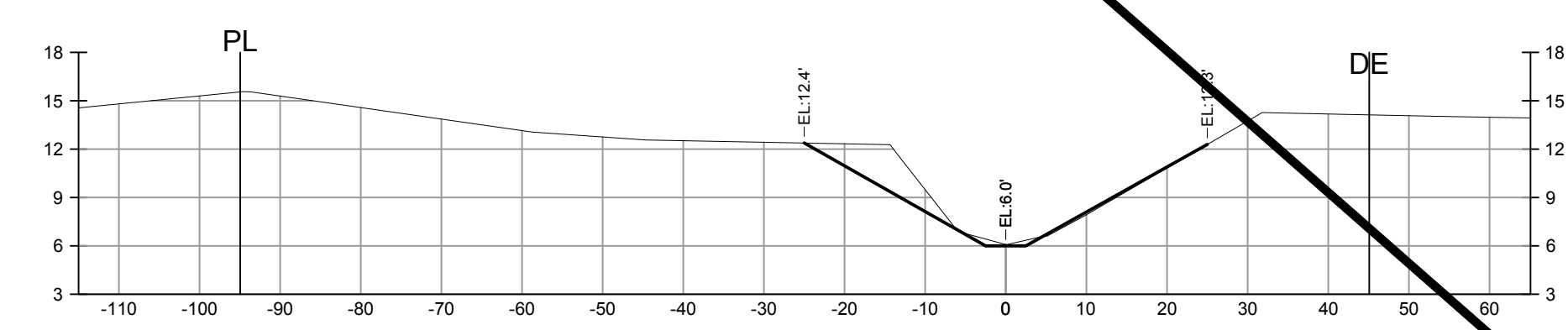
141+00



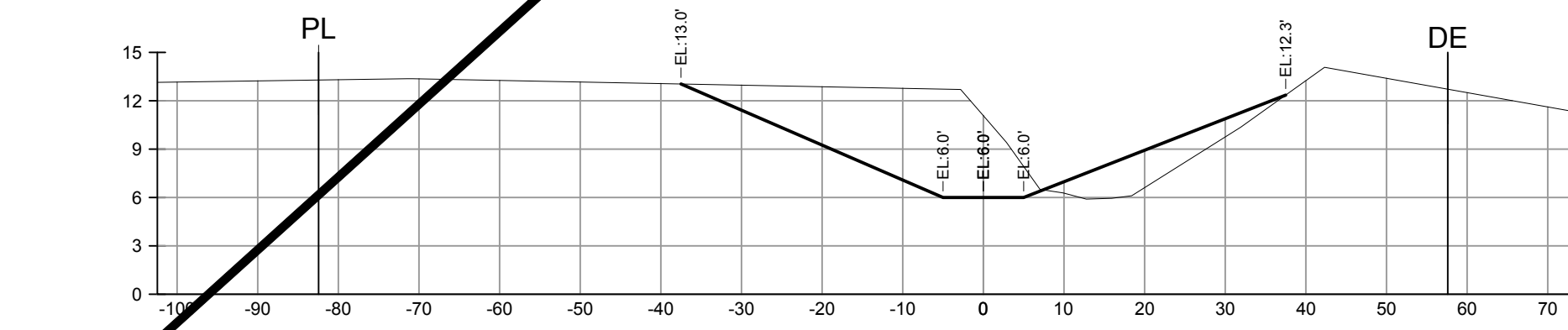
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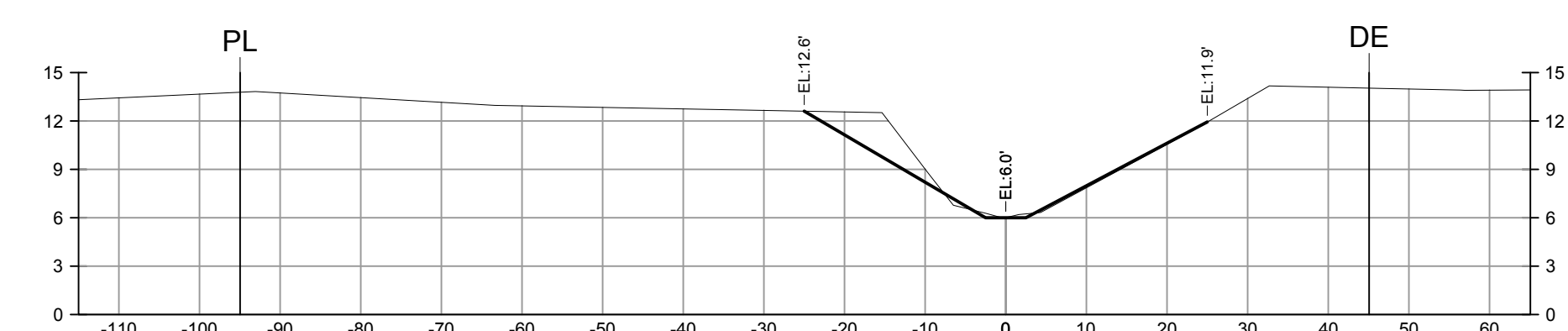
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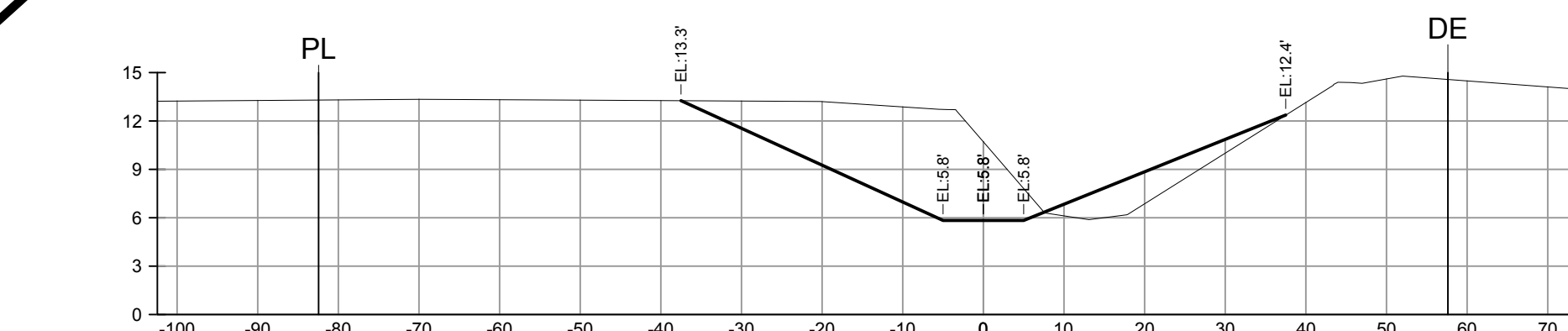
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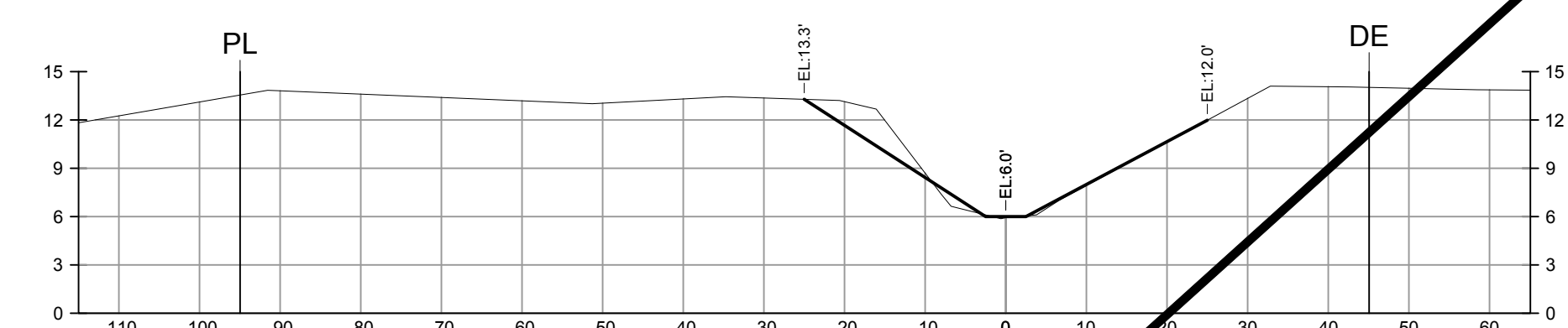
143+00



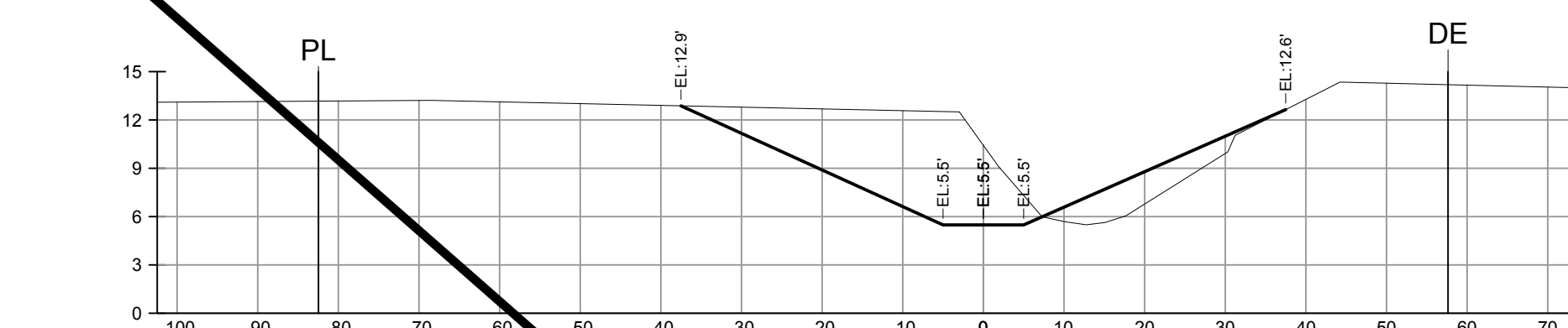
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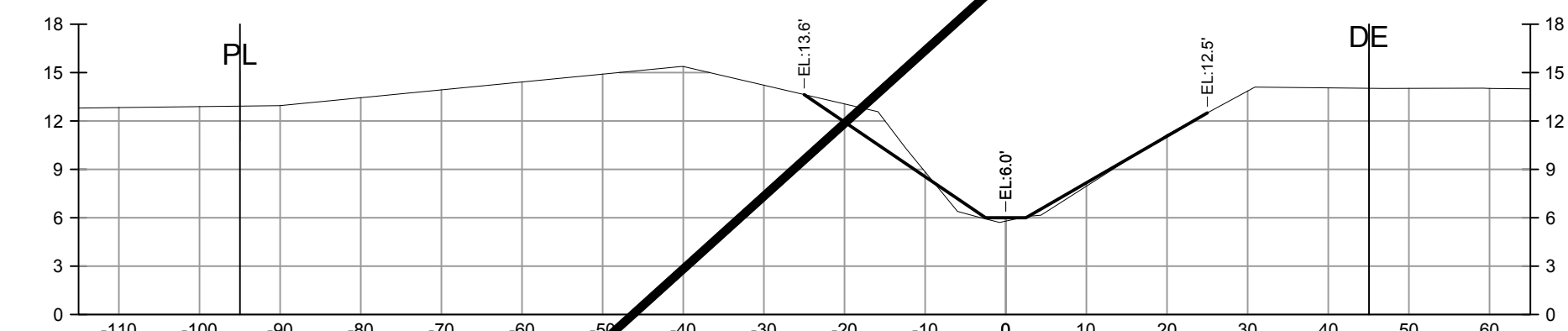
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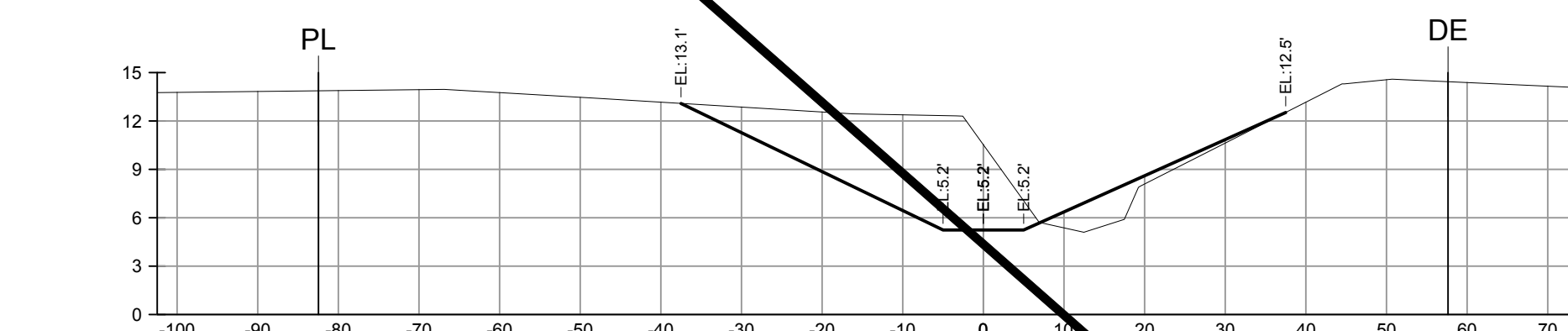
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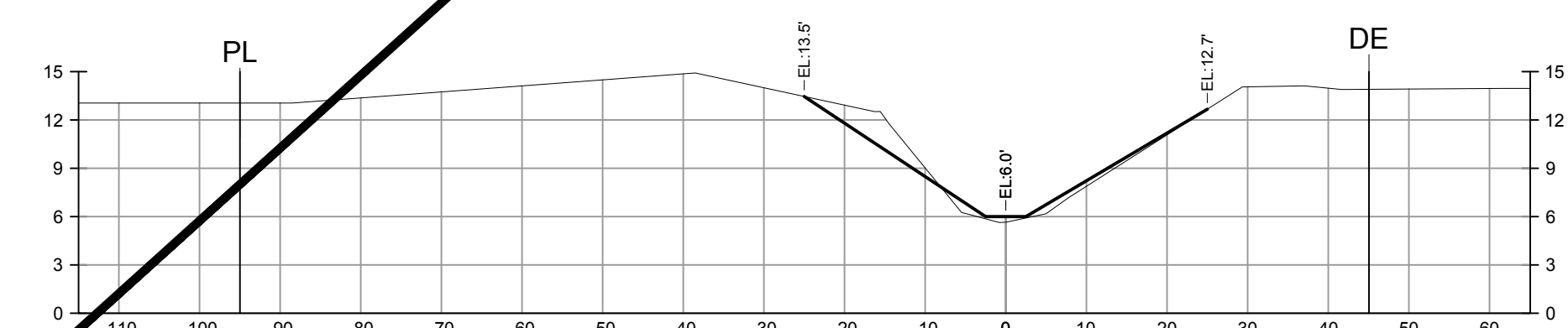
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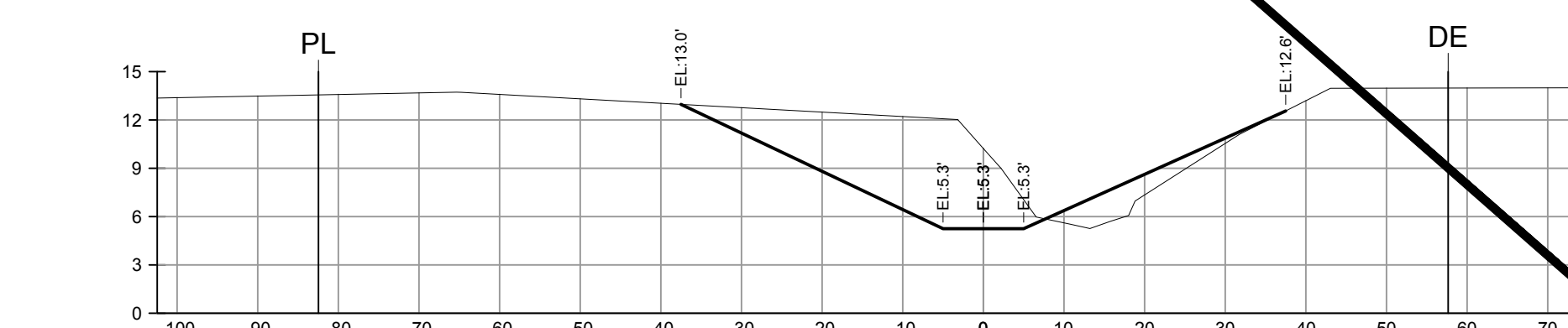
139+00



146+00



140+00



147+00

NOTE:
EXISTING GOPHER TORTOISE BURROWS TO BE AVOIDED AS MUCH AS PRACTICAL.



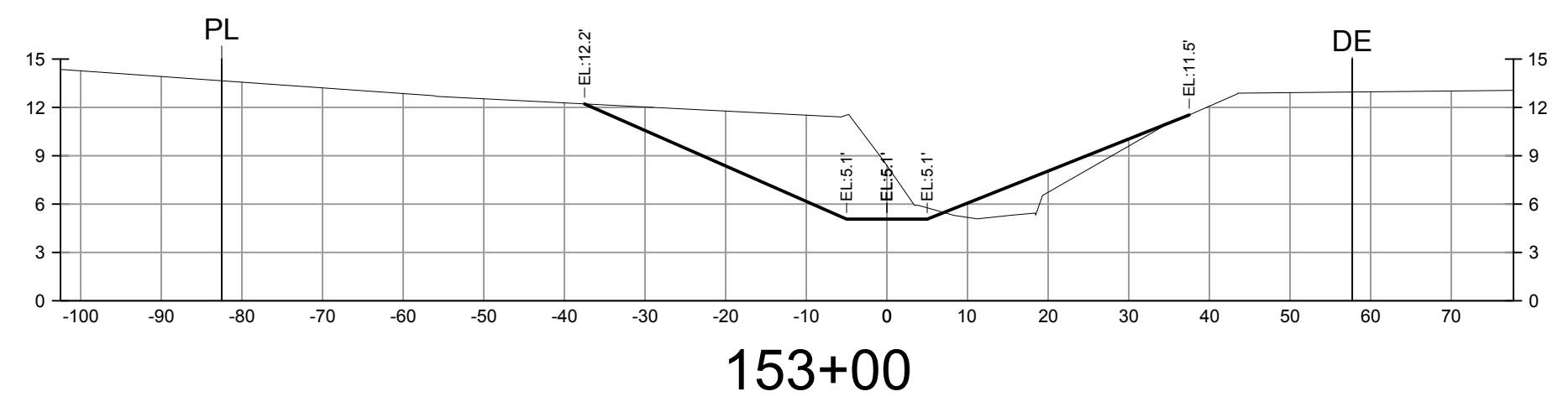
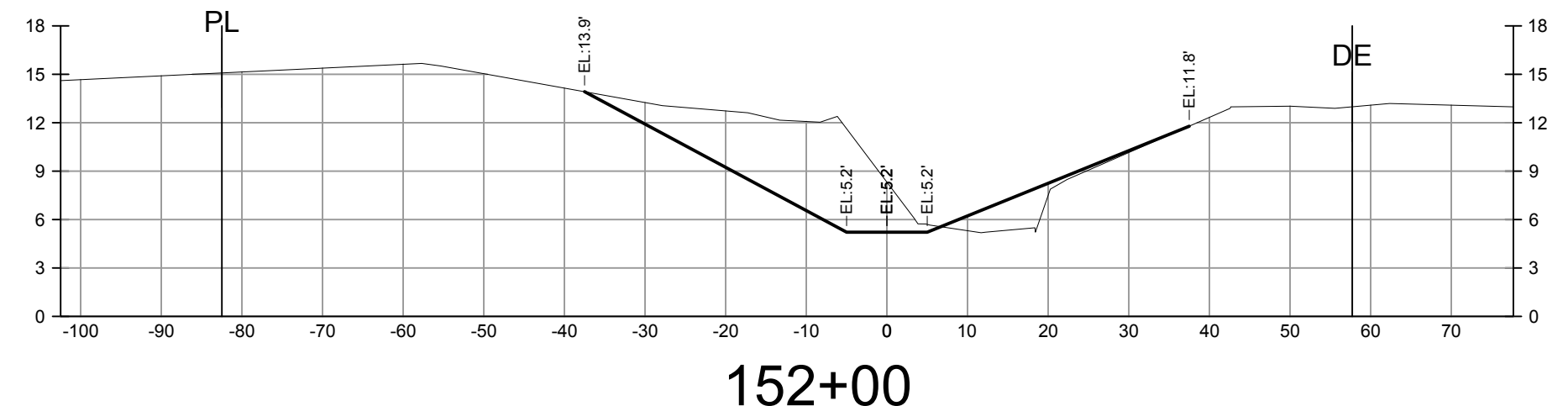
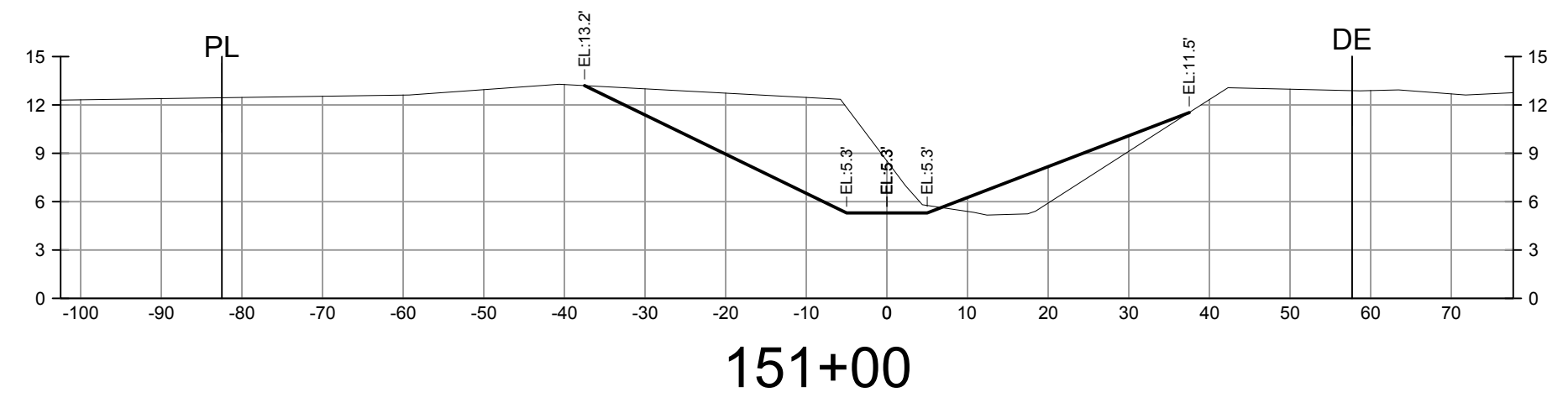
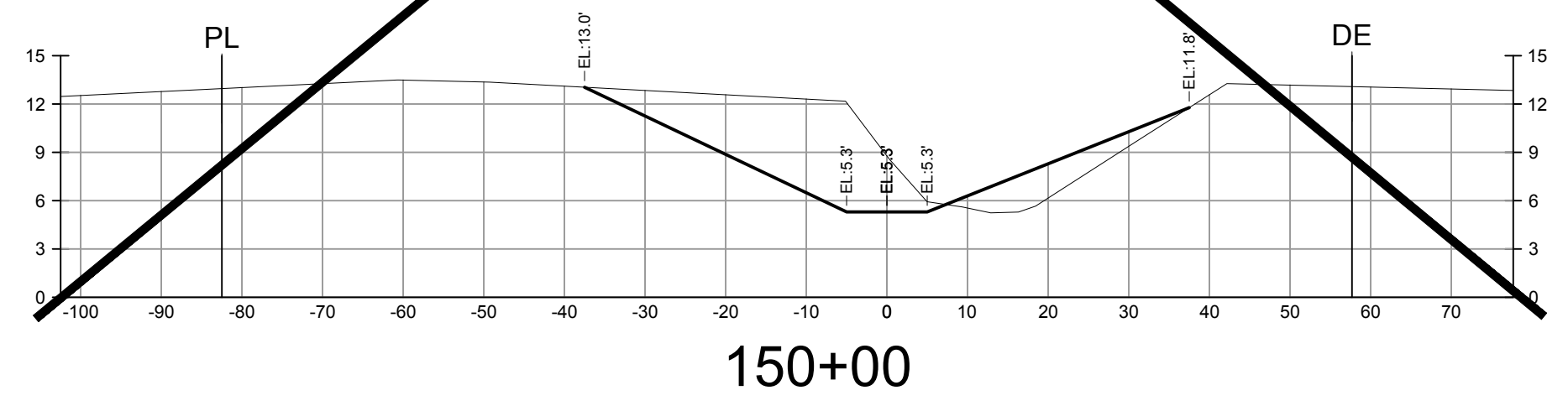
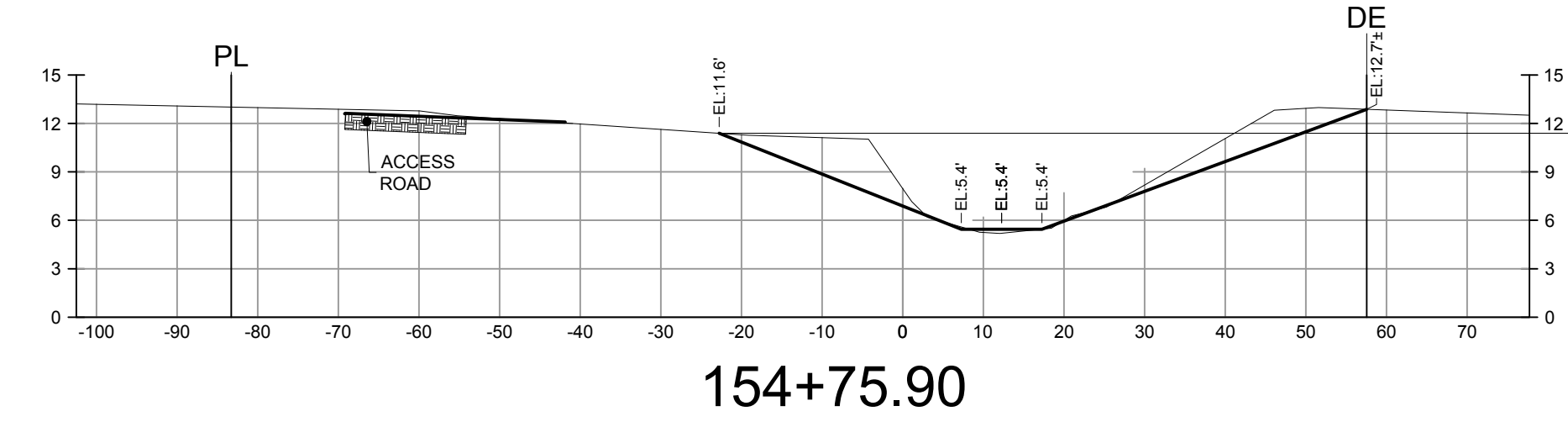
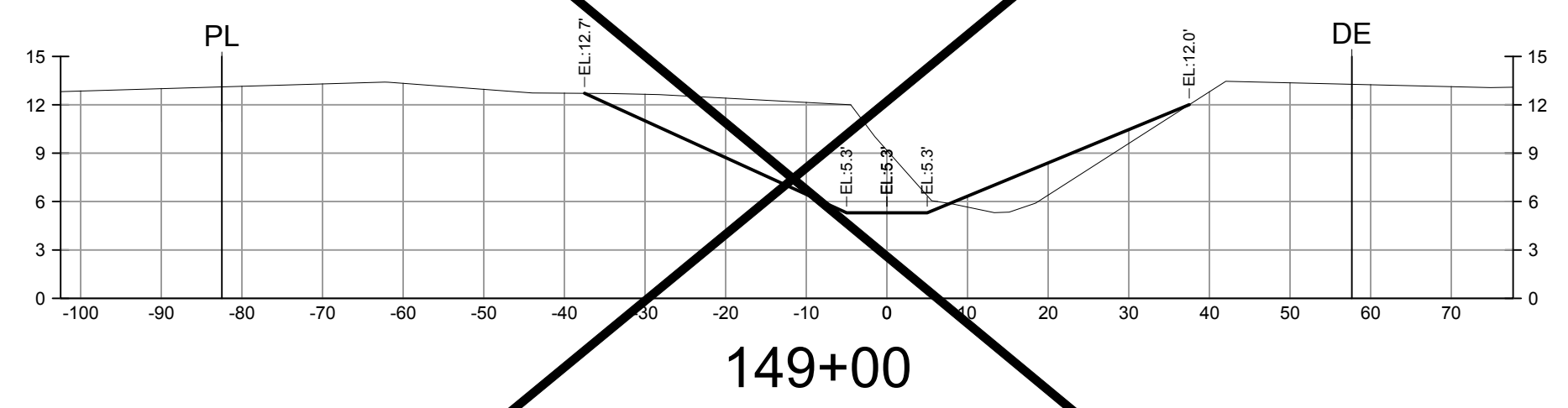
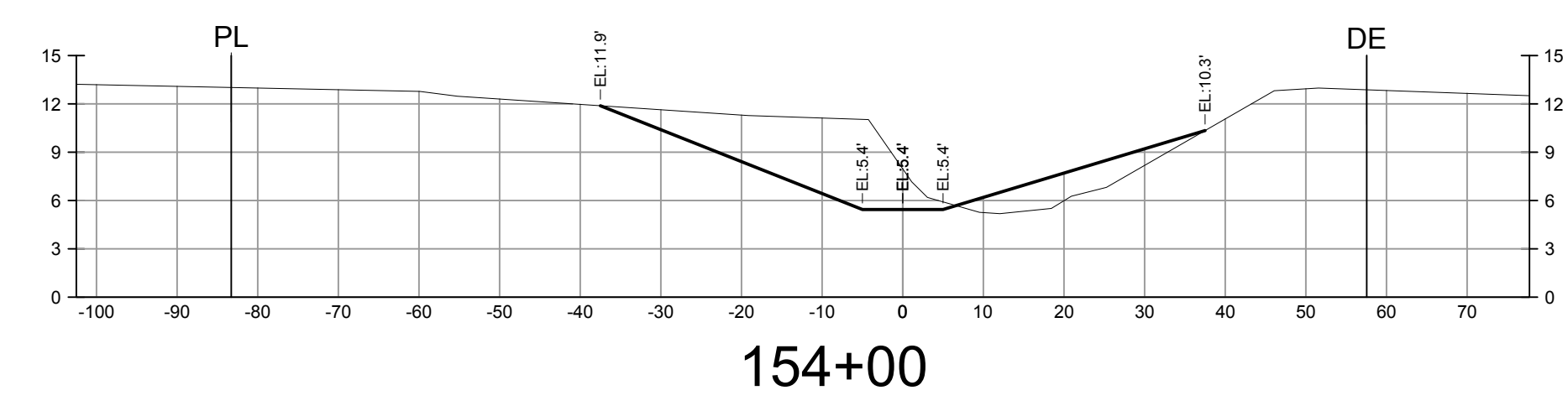
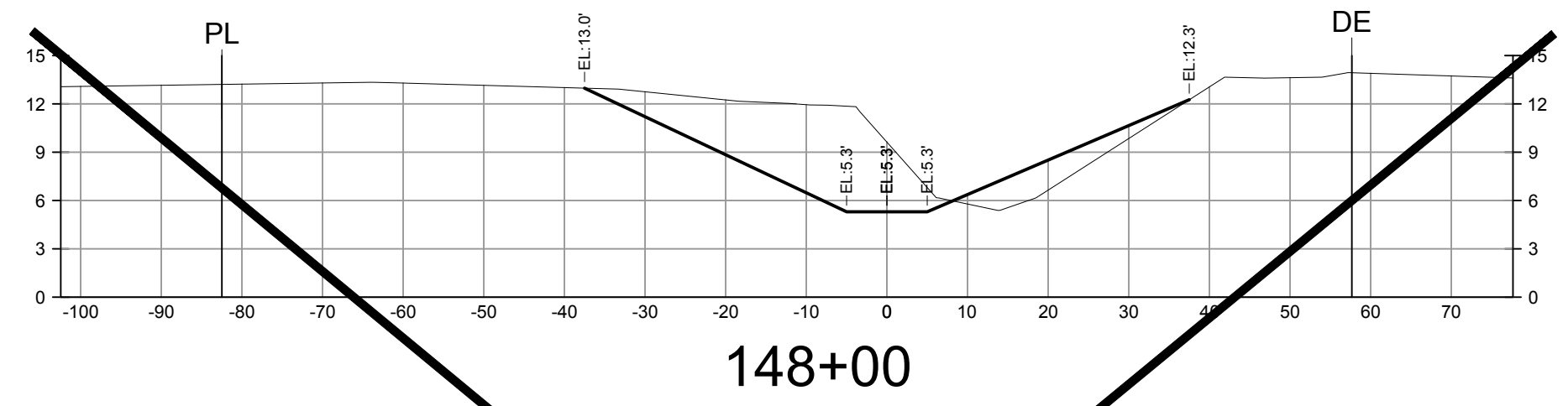
PREPARED FOR:
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CROSS SECTIONS - STA. 134+00 TO 147+00									
SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT									
LEE COUNTY, FLORIDA									
DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET		
5/14/2019	8234	_AER	KWK	SDJ	KWK	V: 1"=10' H: 1"=20'	15		



NOTE:
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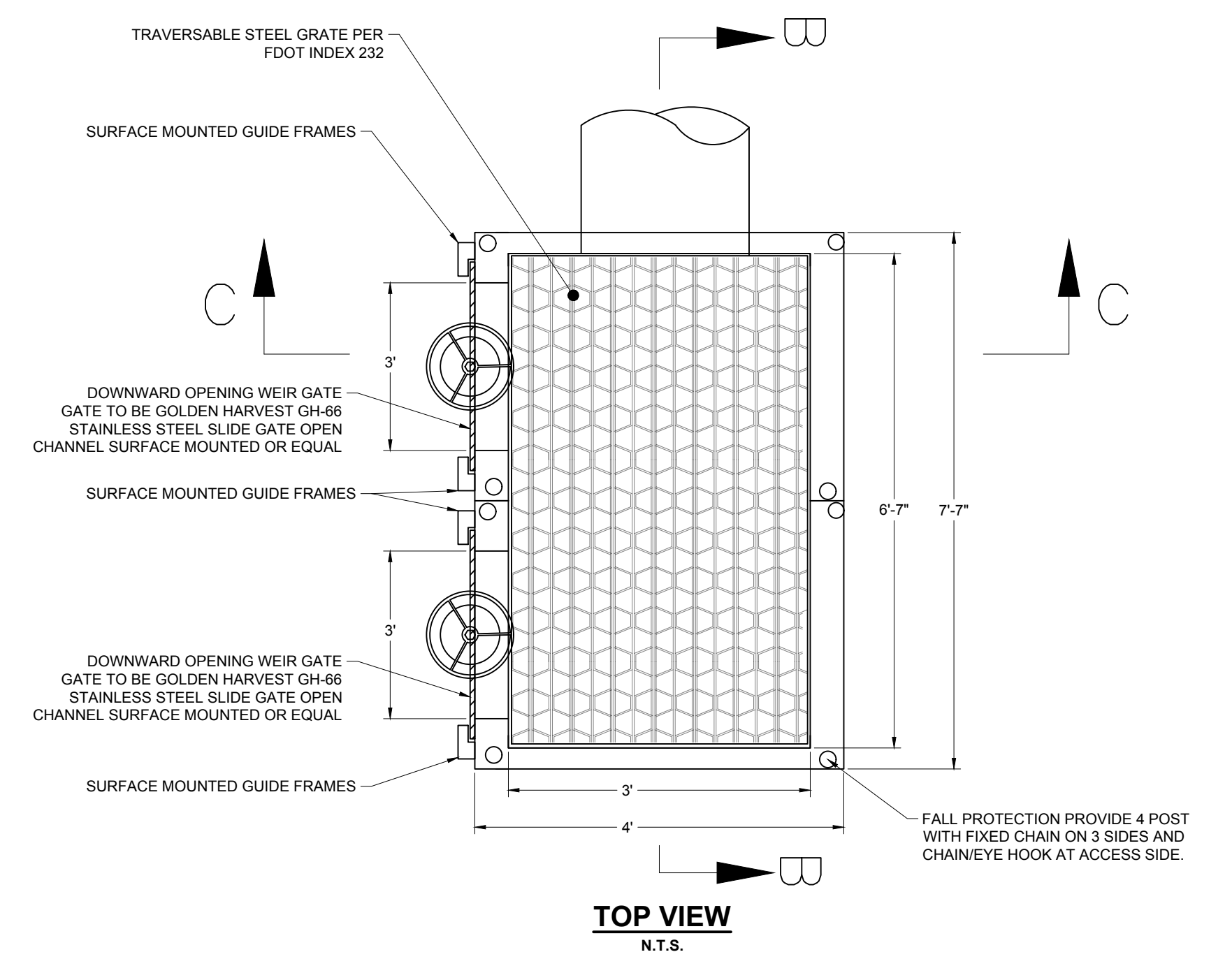
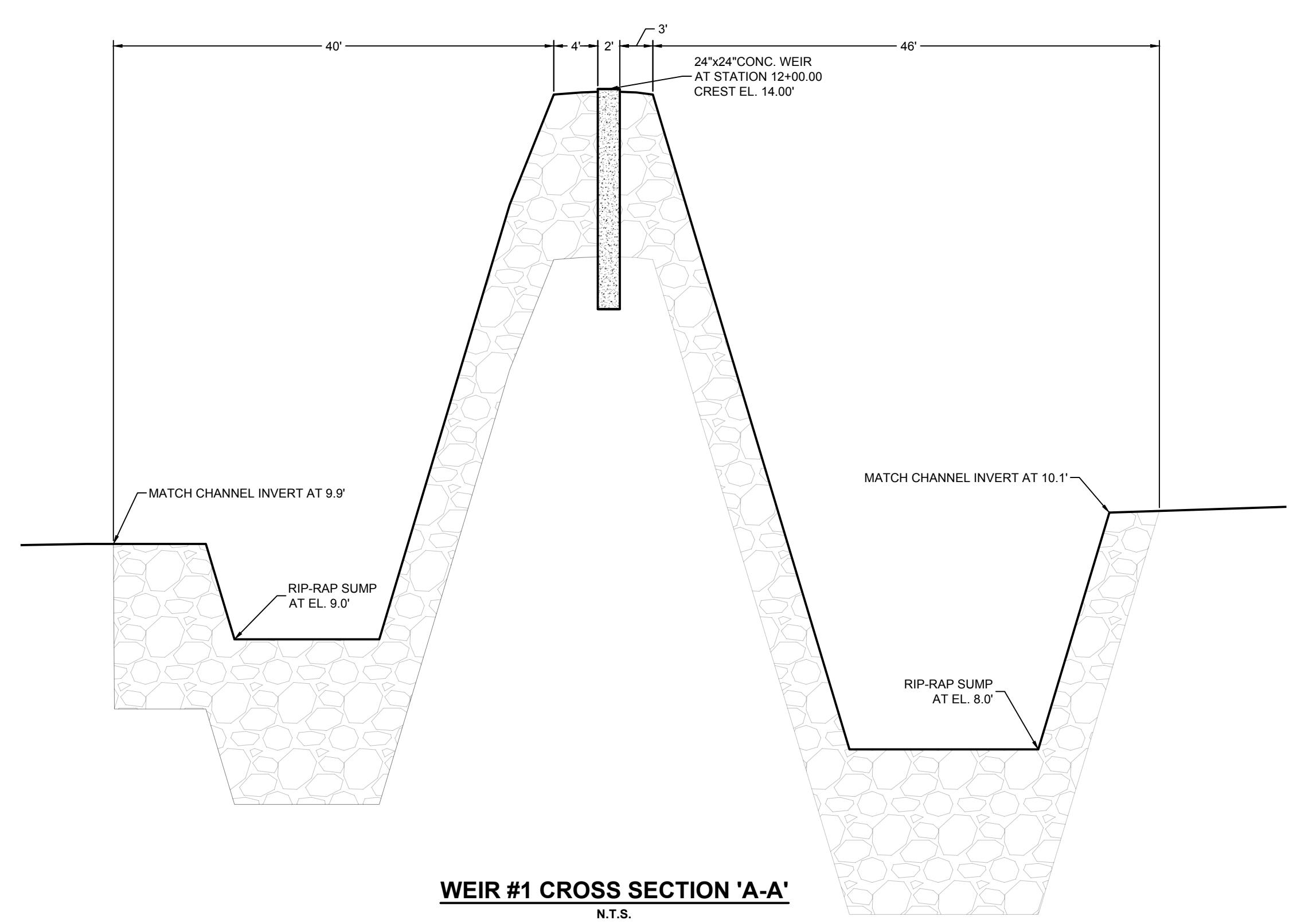
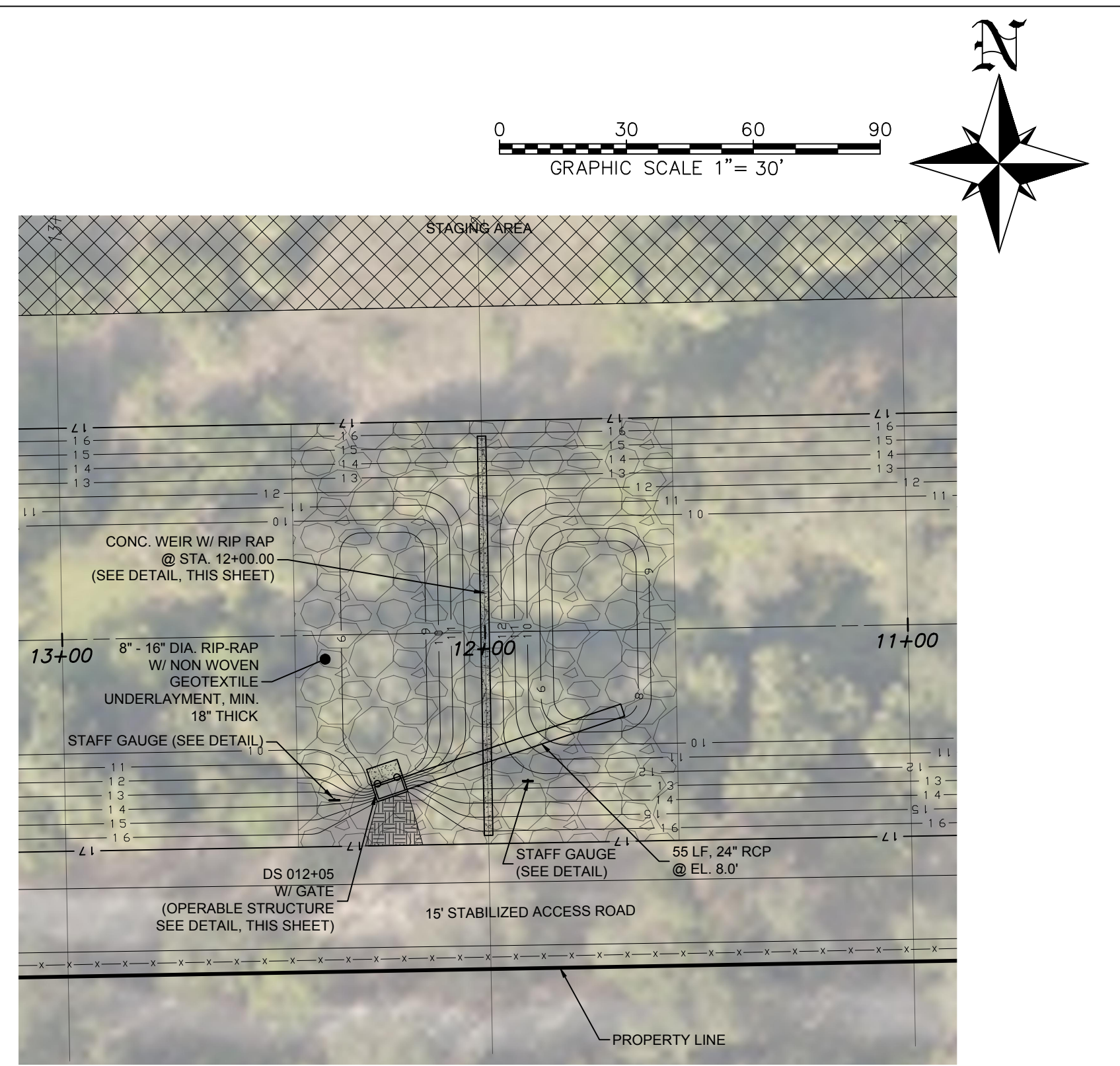
NO.	DATE	REVISION DESCRIPTION	BY

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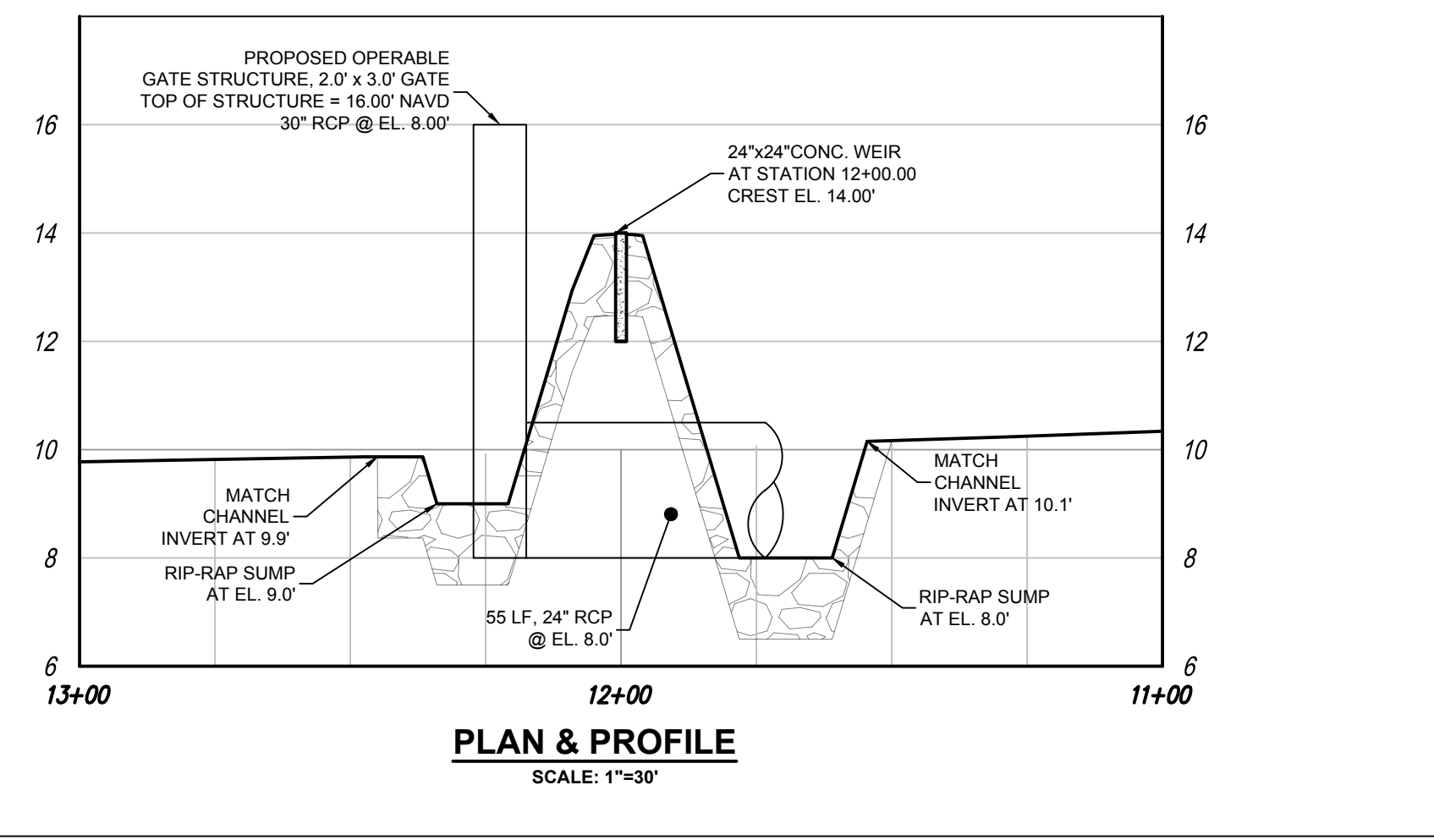
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FL REG # 26661

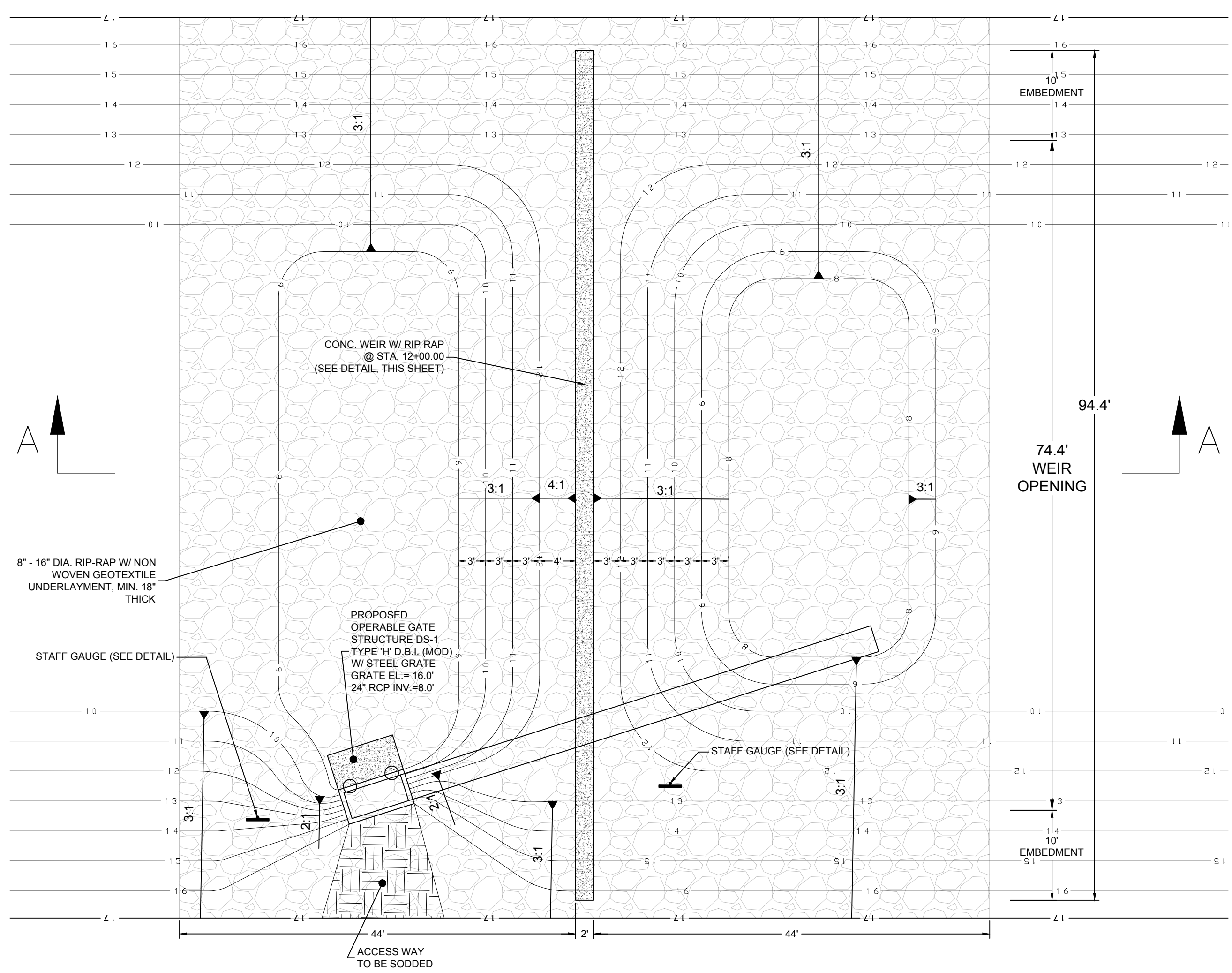
CROSS SECTIONS - STA. 148+00 TO 154+00						SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT			LEE COUNTY, FLORIDA		
DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET				
5/14/2019	8234	_AER	KWK	SDJ	KWK	V: 1"=10' H: 1"=20'	16				



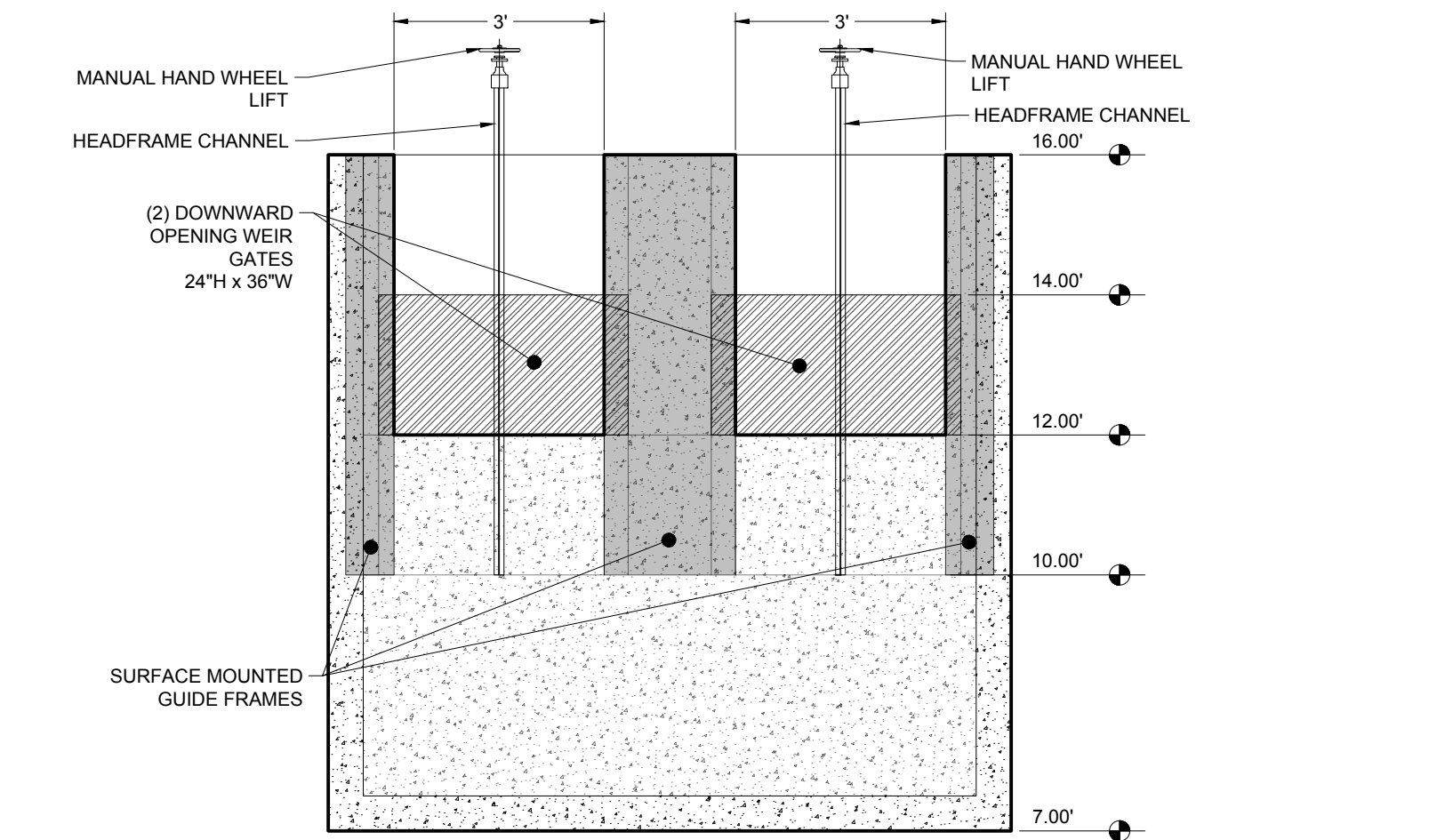
WEIR #1 CROSS SECTION 'A-A'
N.T.S.



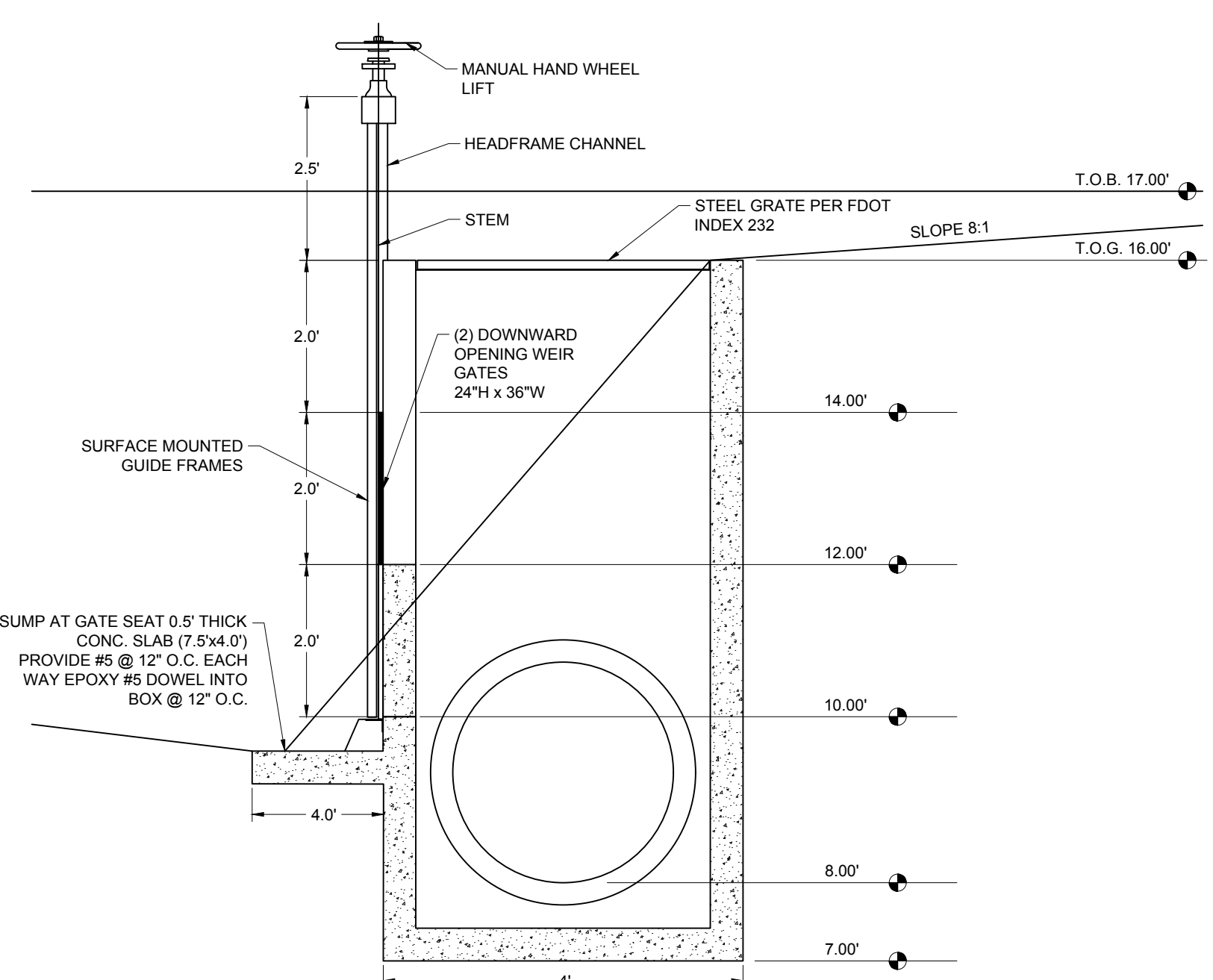
PLAN & PROFILE
SCALE: 1"=30'



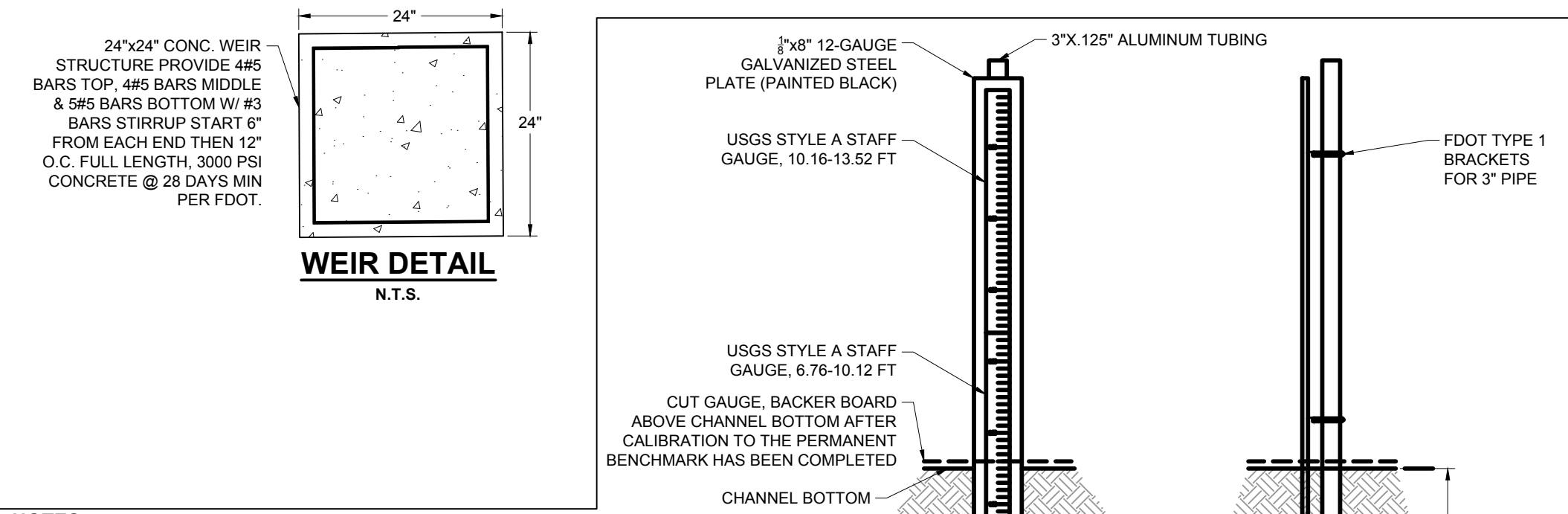
PLAN VIEW
N.T.S.



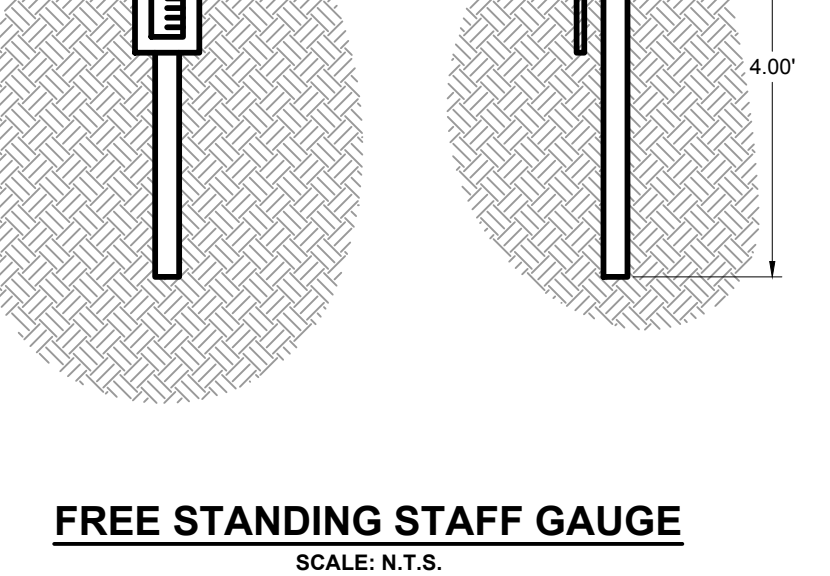
**SECTION B-B
DETAIL - STRUCTURE DS-1**
N.T.S.



**SECTION C-C
DETAIL - STRUCTURE DS-1
(MODIFIED FDOT TYPE 'H' DITCH BOTTOM INLET)**
N.T.S.



WEIR DETAIL
N.T.S.



FREE STANDING STAFF GAUGE
SCALE: N.T.S.

- NOTES:**
- ALL ELEVATIONS REFERENCE NAVD88 UNLESS OTHERWISE NOTED.
 - A PERMANENT BENCHMARK SHALL BE ESTABLISHED ON THE CONCRETE STRUCTURE BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER IN ACCORDANCE WITH APPLICABLE MINIMUM TECHNICAL STANDARDS DEFINED IN 61G17, F.A.C.
 - THE BENCHMARK SHALL COMPLY WITH SOUTH FLORIDA WATER MANAGEMENT DISTRICT BENCHMARK STANDARDS
- STAFF GAUGE NOTES:**
- STAFF GAUGE MUST CONFORM TO EITHER USGS STYLE A (PREFERRED) OR STYLE C STANDARDS, AND BE CONSTRUCTED OF 16-GAUGE PORCELAIN ENAMELED IRON OR STEEL.
 - THE STAFF GAUGE MUST BE MOUNTED VERTICAL AND PLUMB TO THE WATER SURFACE.
 - THE STAFF GAUGE SHALL BE SECURED SUFFICIENTLY TO ELIMINATE VERTICAL AND HORIZONTAL MOVEMENT.
 - THE STAFF GAUGE SHALL BE CALIBRATED TO THE PERMANENT BENCHMARK ESTABLISHED AS PART OF THIS PROJECT.



PREPARED FOR:
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LEE BOARD OF COUNTY COMMISSIONERS**

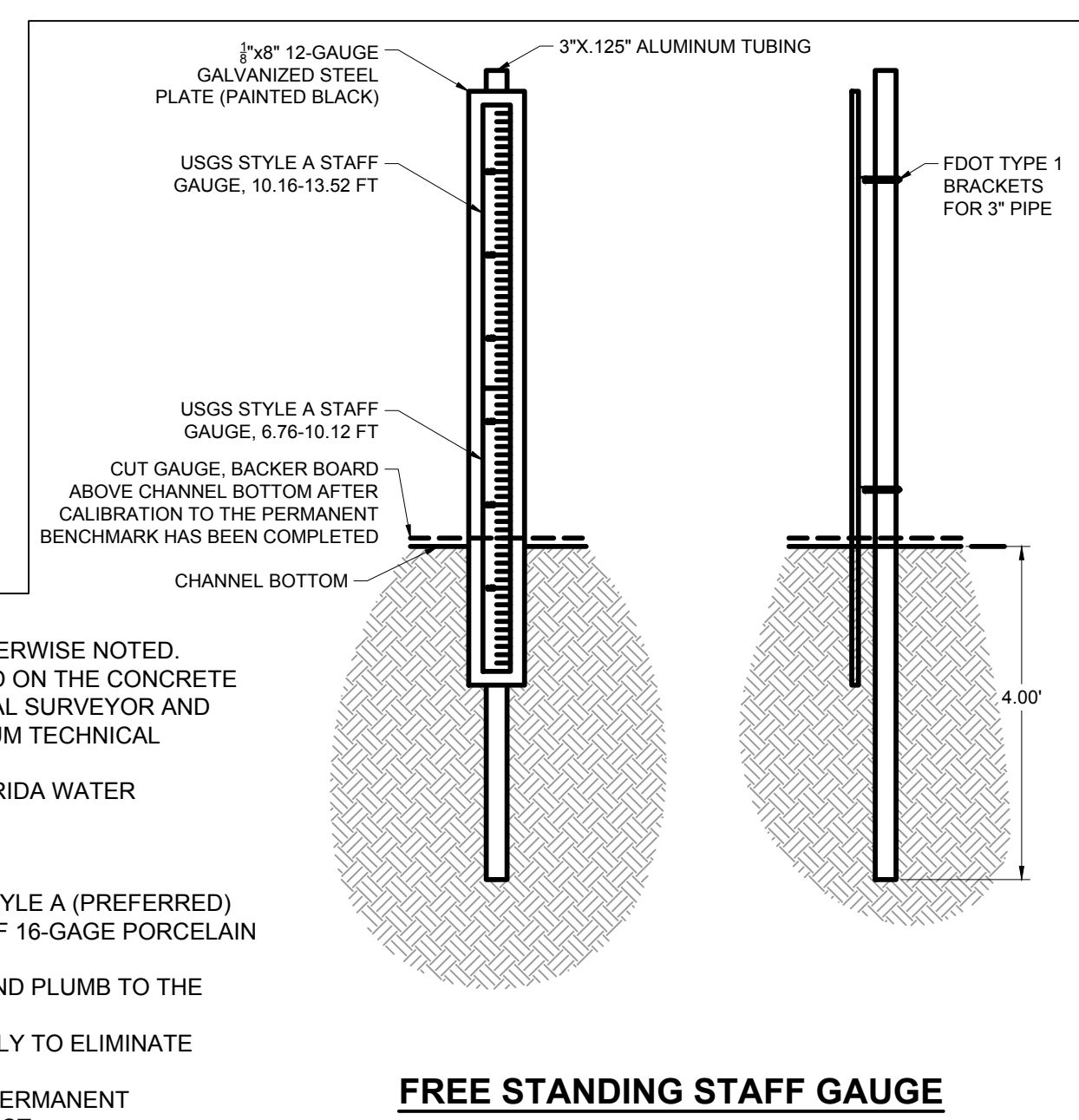
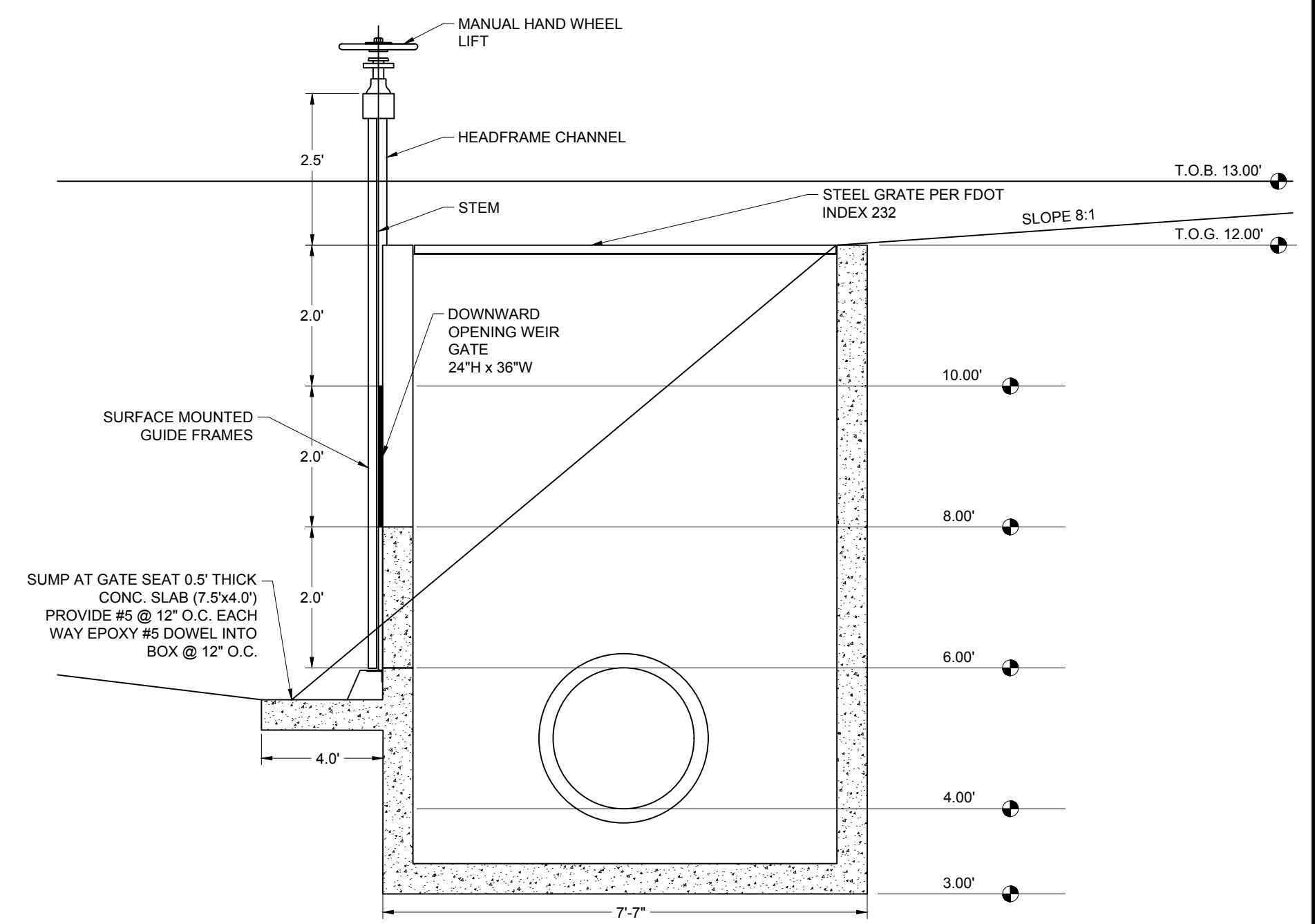
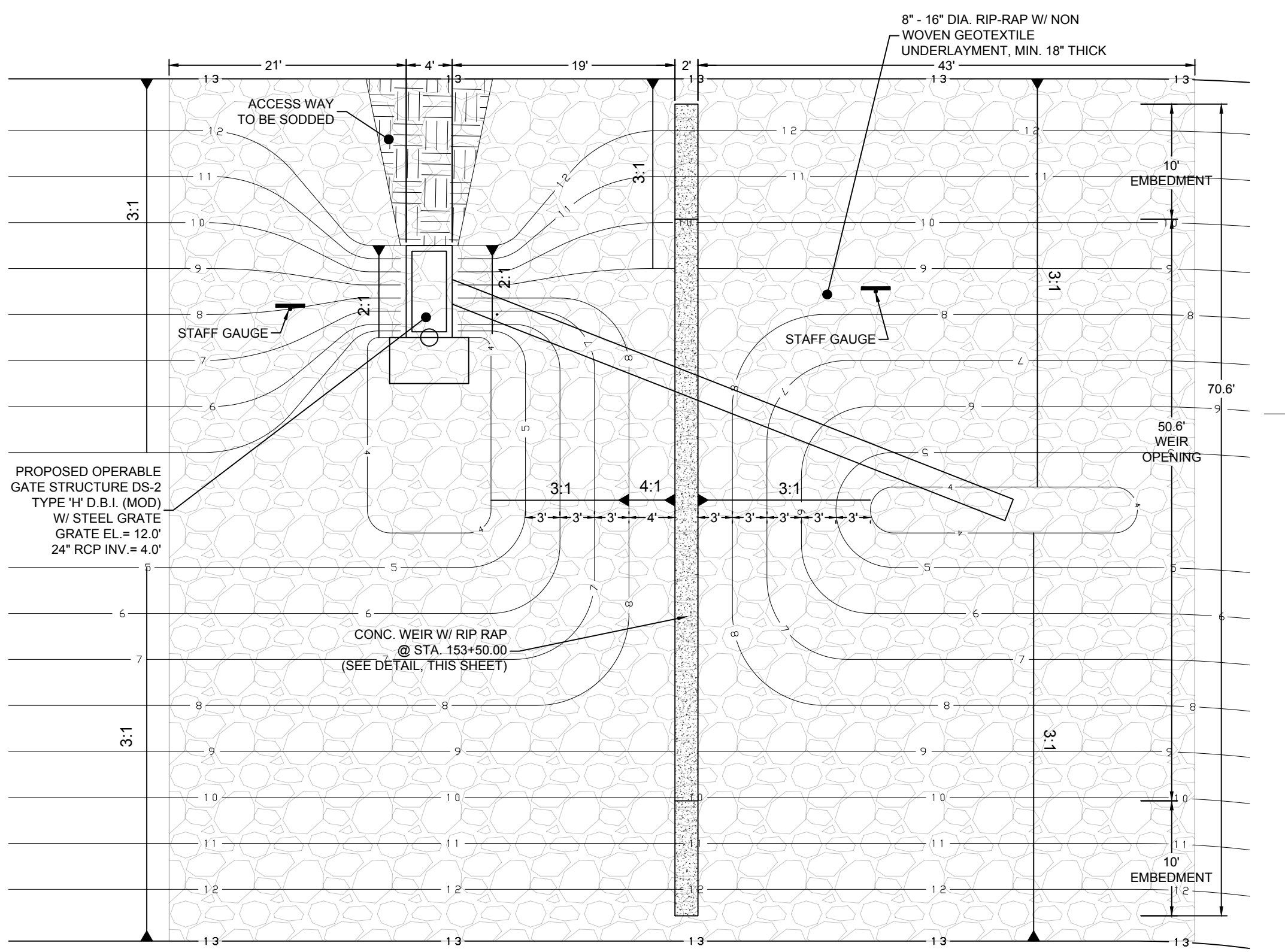
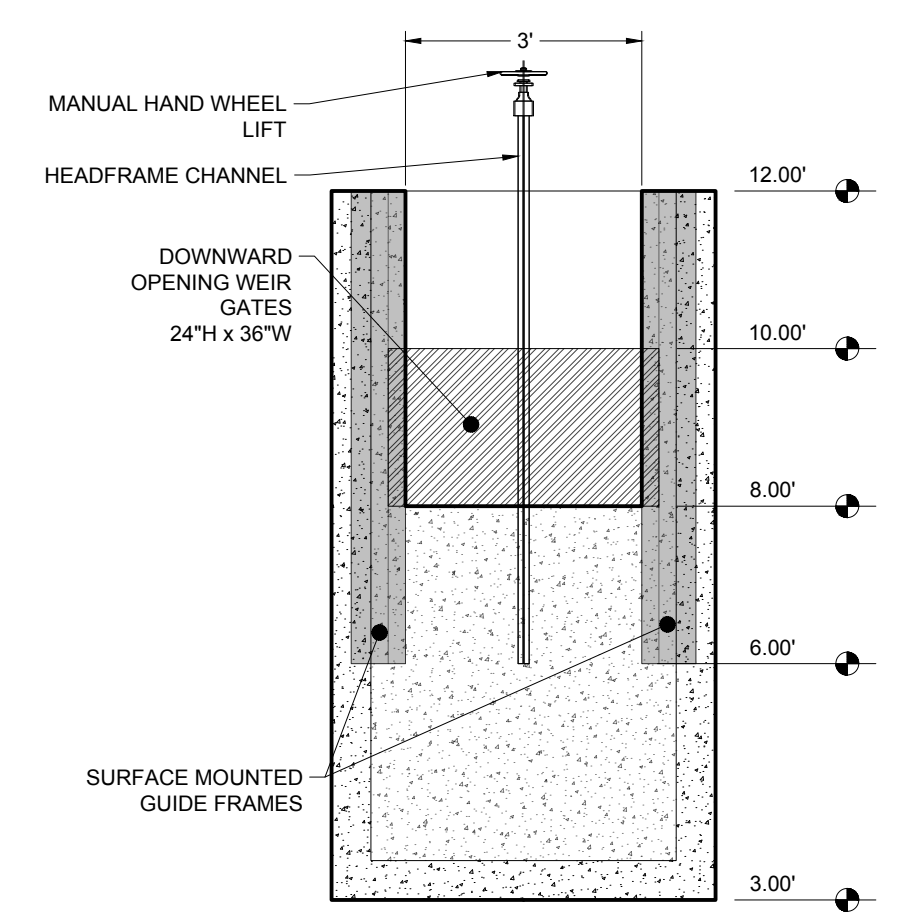
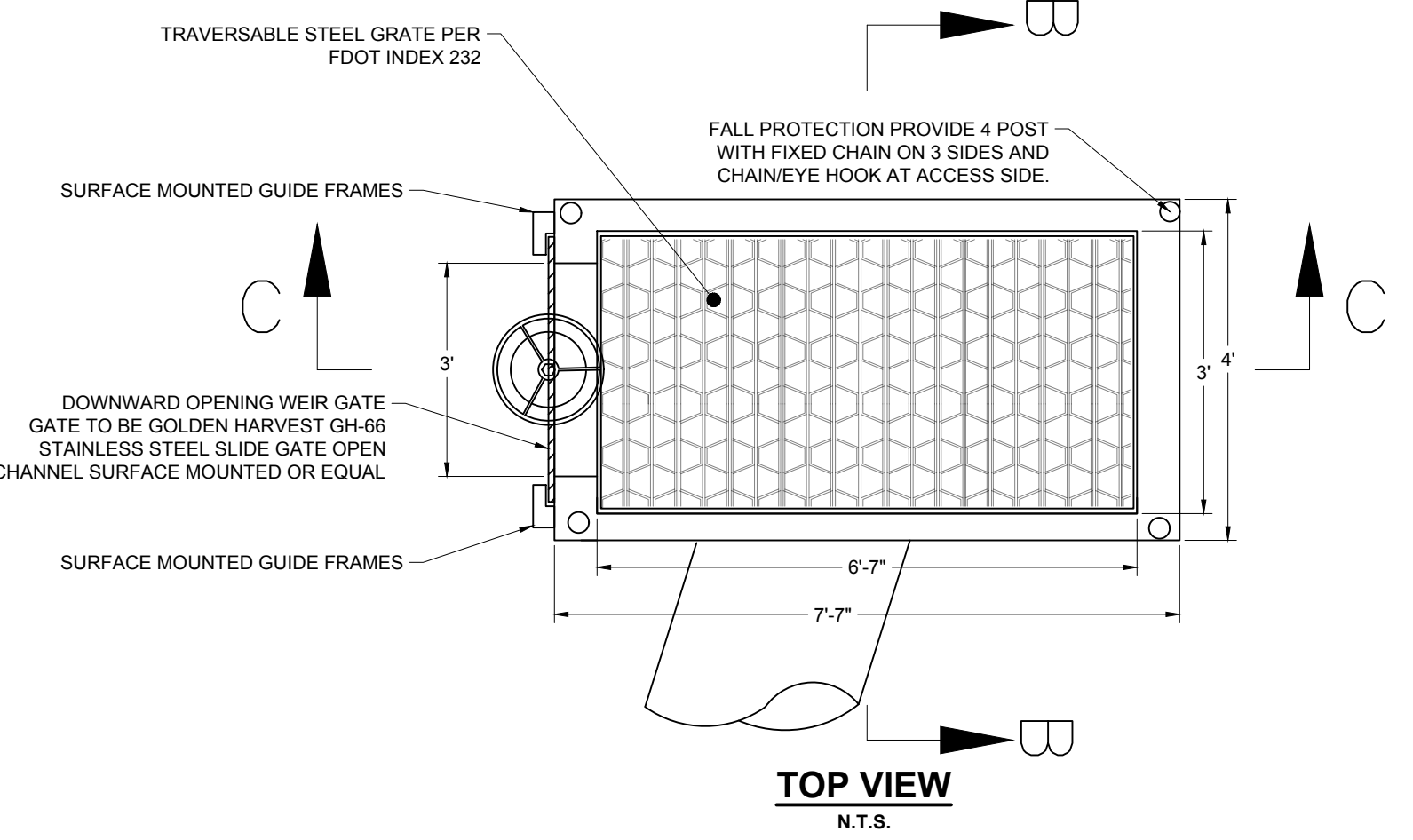
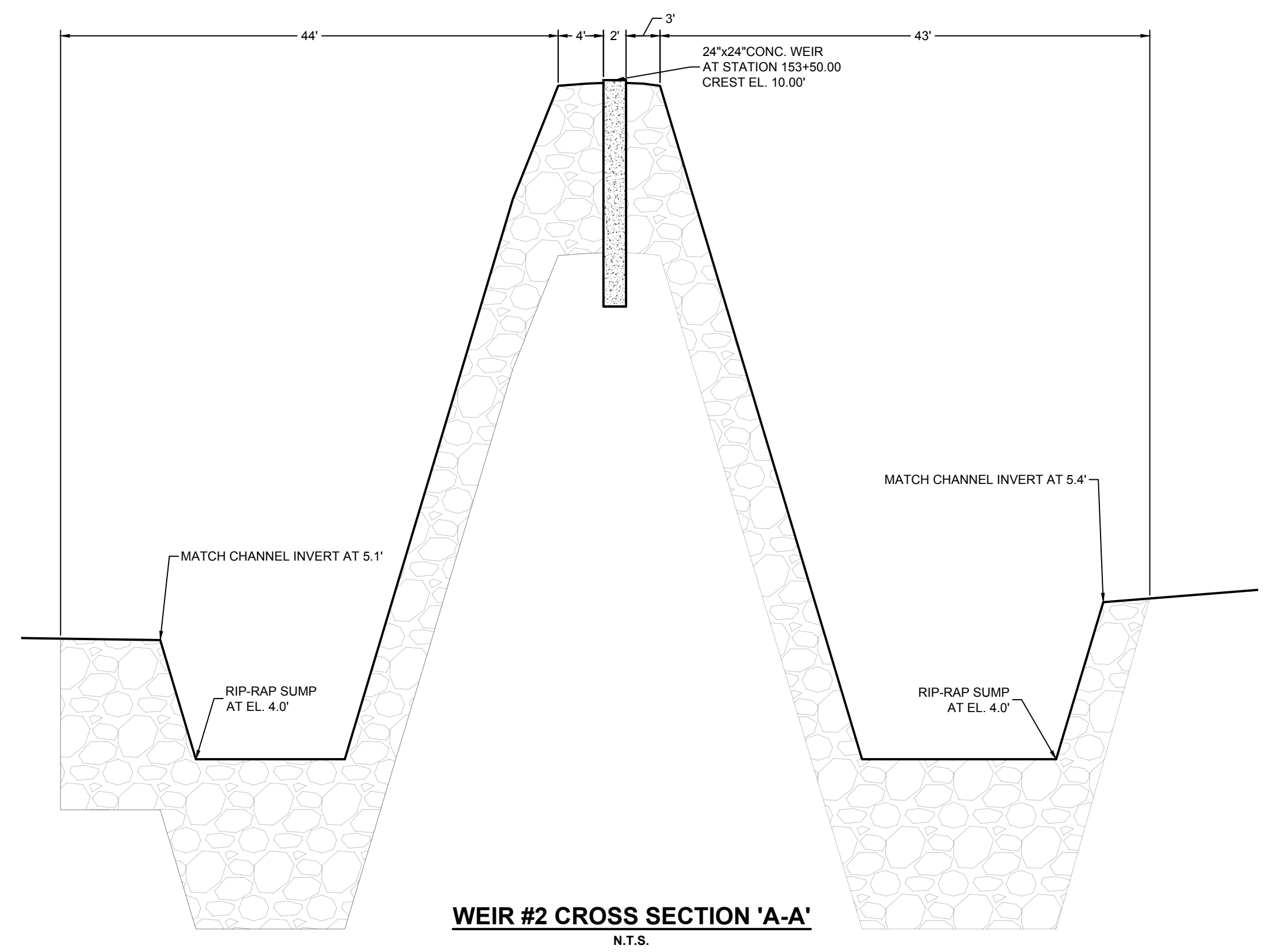
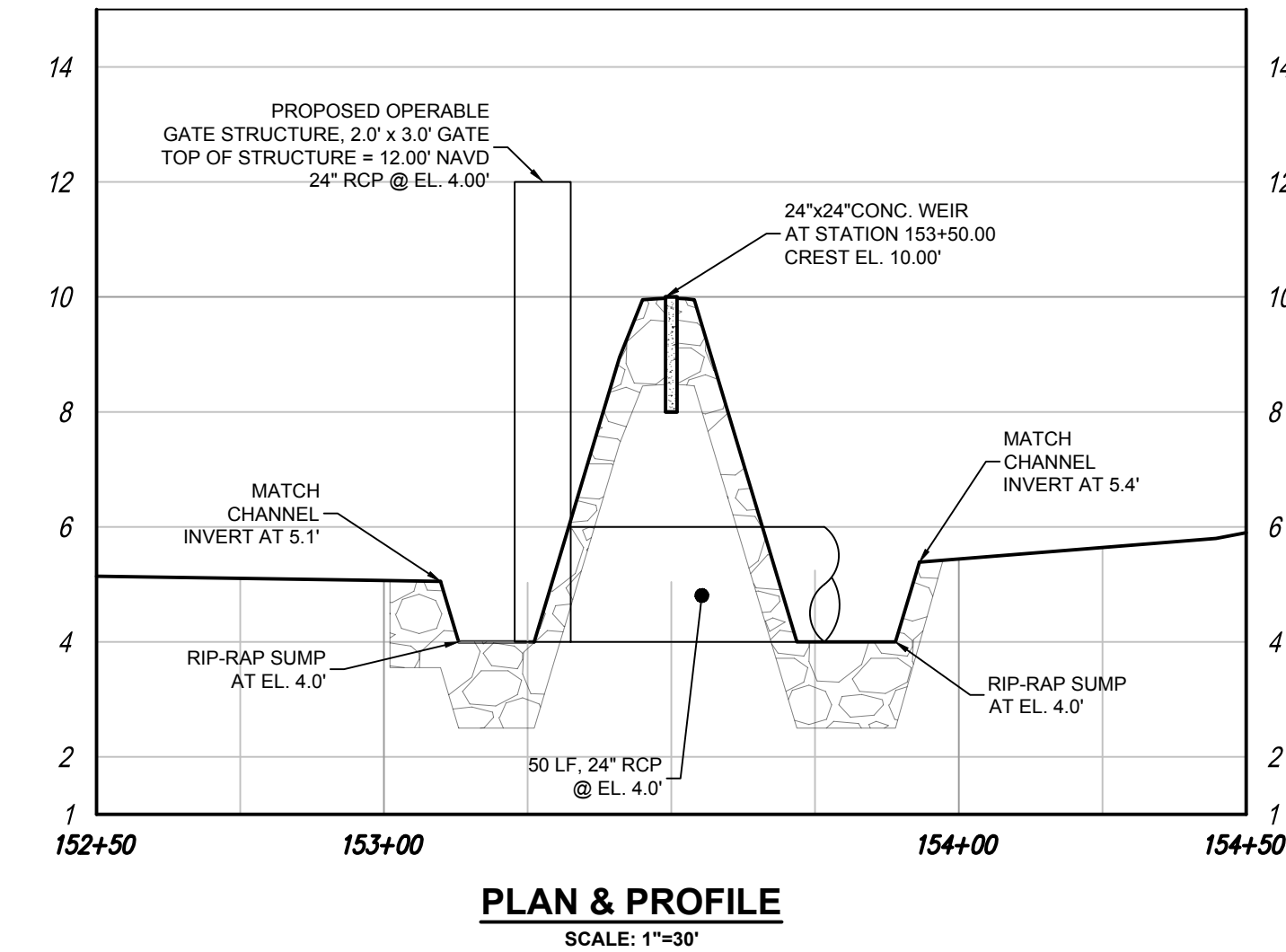
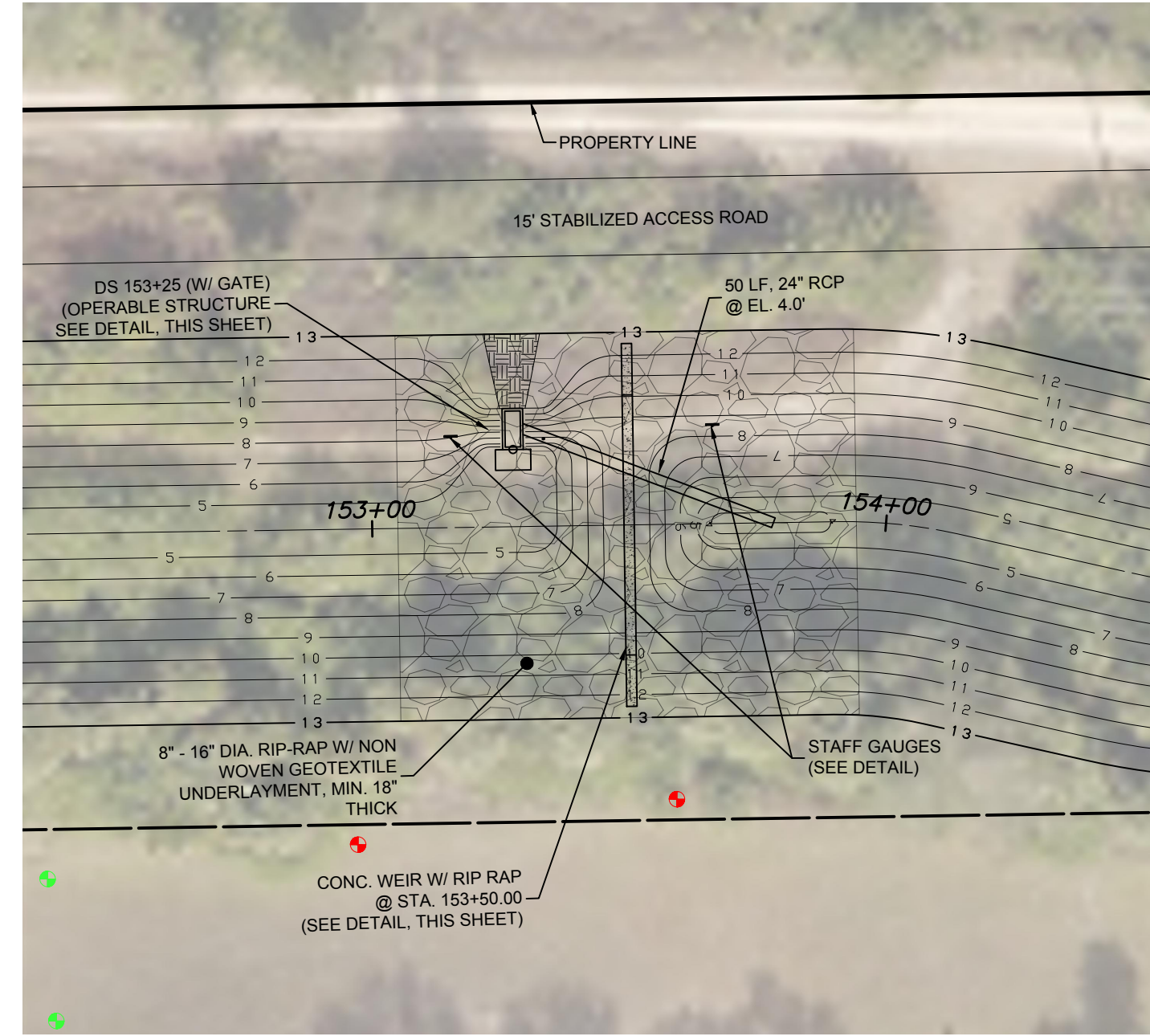
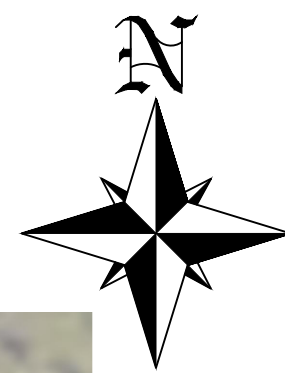
1500 MONROE ST.
FORT MYERS, FL 33901
PHONE: (239) 533-8109

BANKS ENGINEERING

10511 SIX MILE CYPRESS PARKWAY
FORT MYERS, FLORIDA 33966
PHONE: (239) 939-5490 FAX: (239) 939-2523

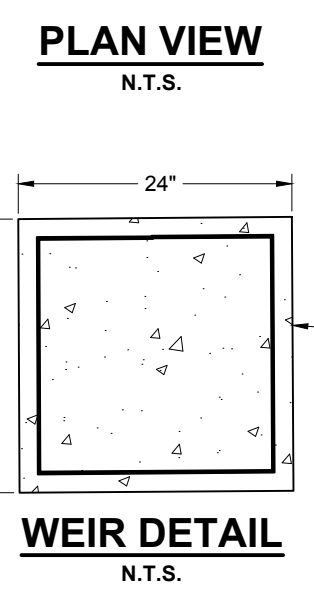
ENGINEERING LICENSE # EB 6469
SURVEY LICENSE # LB 6690
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WEIR DESIGN - WEIR-1									
SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT									
LEE COUNTY, FLORIDA									
DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET		
5/14/2019	8234	_WEIR-1	KWK	SDJ	KWK	AS NOTED	17A		



- NOTES:**
- ALL ELEVATIONS REFERENCE NAVD88 UNLESS OTHERWISE NOTED.
 - A PERMANENT BENCHMARK SHALL BE ESTABLISHED ON THE CONCRETE STRUCTURE BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER IN ACCORDANCE WITH APPLICABLE MINIMUM TECHNICAL STANDARDS DEFINED IN 61G17, F.A.C.
 - THE BENCHMARK SHALL COMPLY WITH SOUTH FLORIDA WATER MANAGEMENT DISTRICT BENCHMARK STANDARDS
- STAFF GAUGE NOTES:**
- STAFF GAUGE MUST CONFORM TO EITHER USGS STYLE A (PREFERRED) OR STYLE C STANDARDS, AND BE CONSTRUCTED OF 16-GAUGE PORCELAIN ENAMELED IRON OR STEEL.
 - THE STAFF GAUGE MUST BE MOUNTED VERTICAL AND PLUMB TO THE WATER SURFACE.
 - THE STAFF GAUGE SHALL BE SECURED SUFFICIENTLY TO ELIMINATE VERTICAL AND HORIZONTAL MOVEMENT.
 - THE STAFF GAUGE SHALL BE CALIBRATED TO THE PERMANENT BENCHMARK ESTABLISHED AS PART OF THIS PROJECT.

FREE STANDING STAFF GAUGE
SCALE: N.T.S.



PREPARED FOR:
LEE COUNTY NATURAL RESOURCES
LEE BOARD OF COUNTY COMMISSIONERS

1500 MONROE ST.
FORT MYERS, FL 33901
PHONE: (239) 533-8109

NO.	DATE	REVISION DESCRIPTION	BY
1			

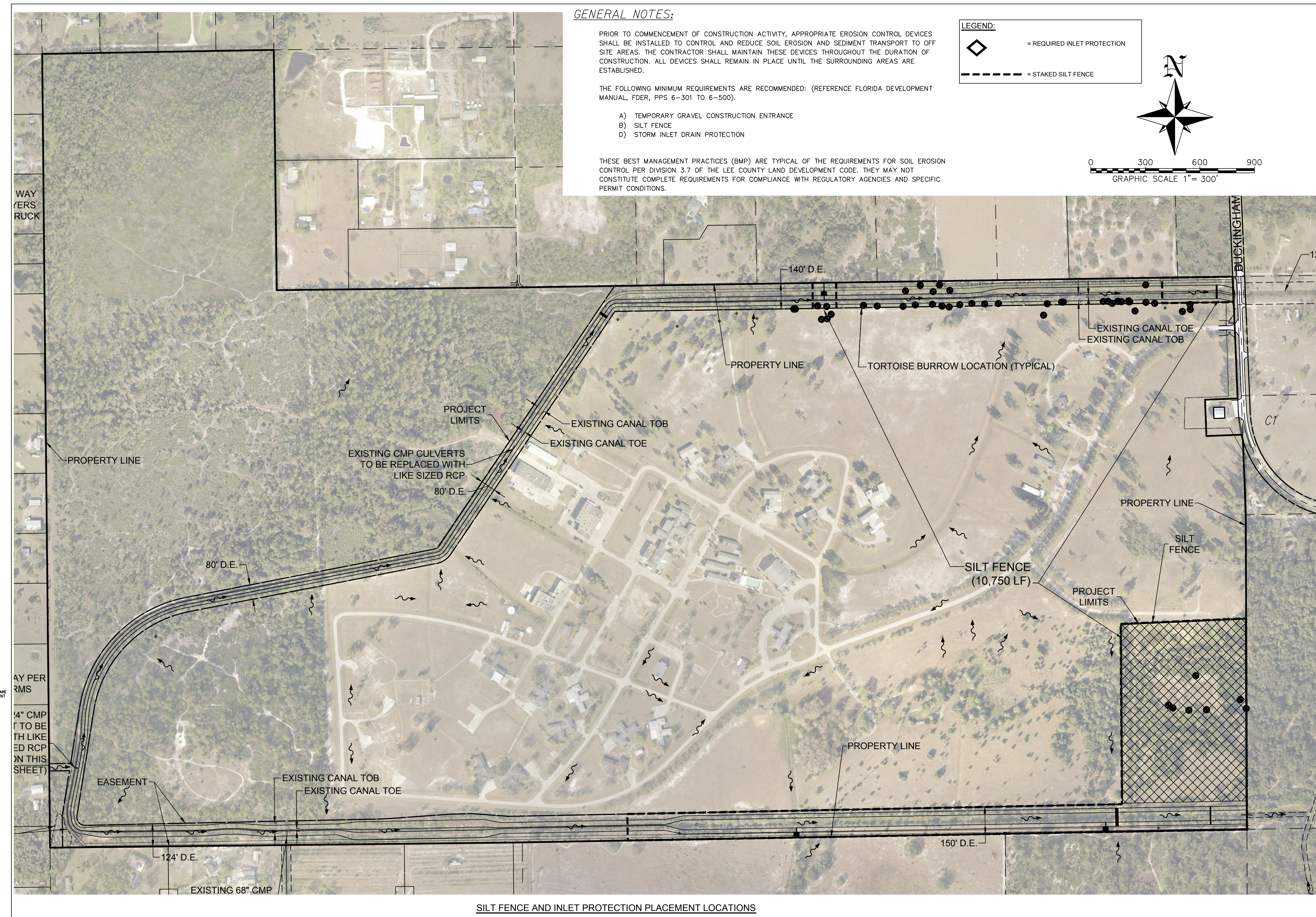
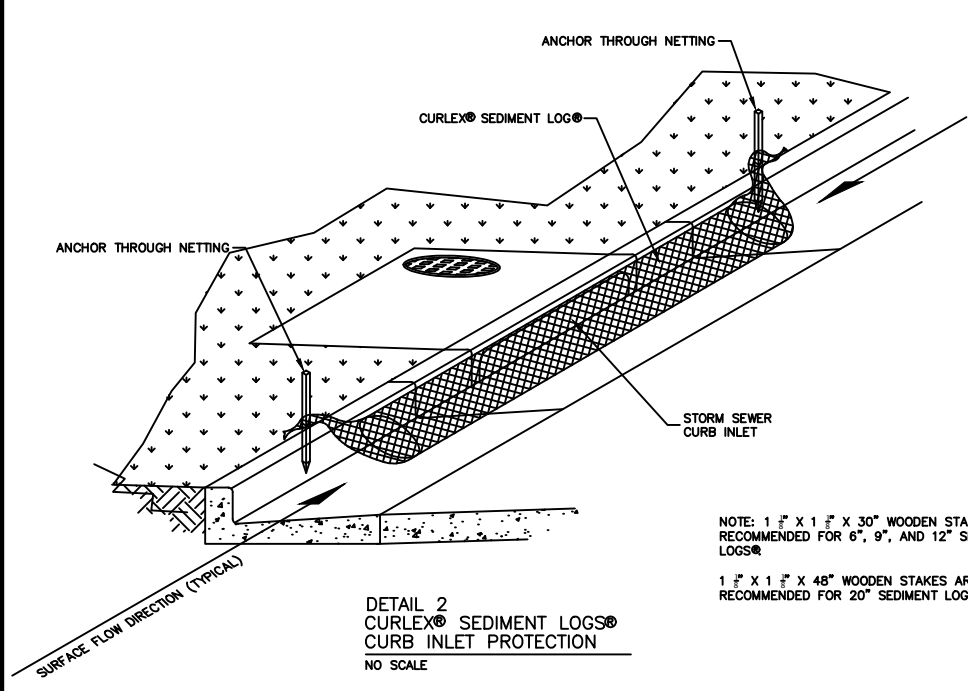
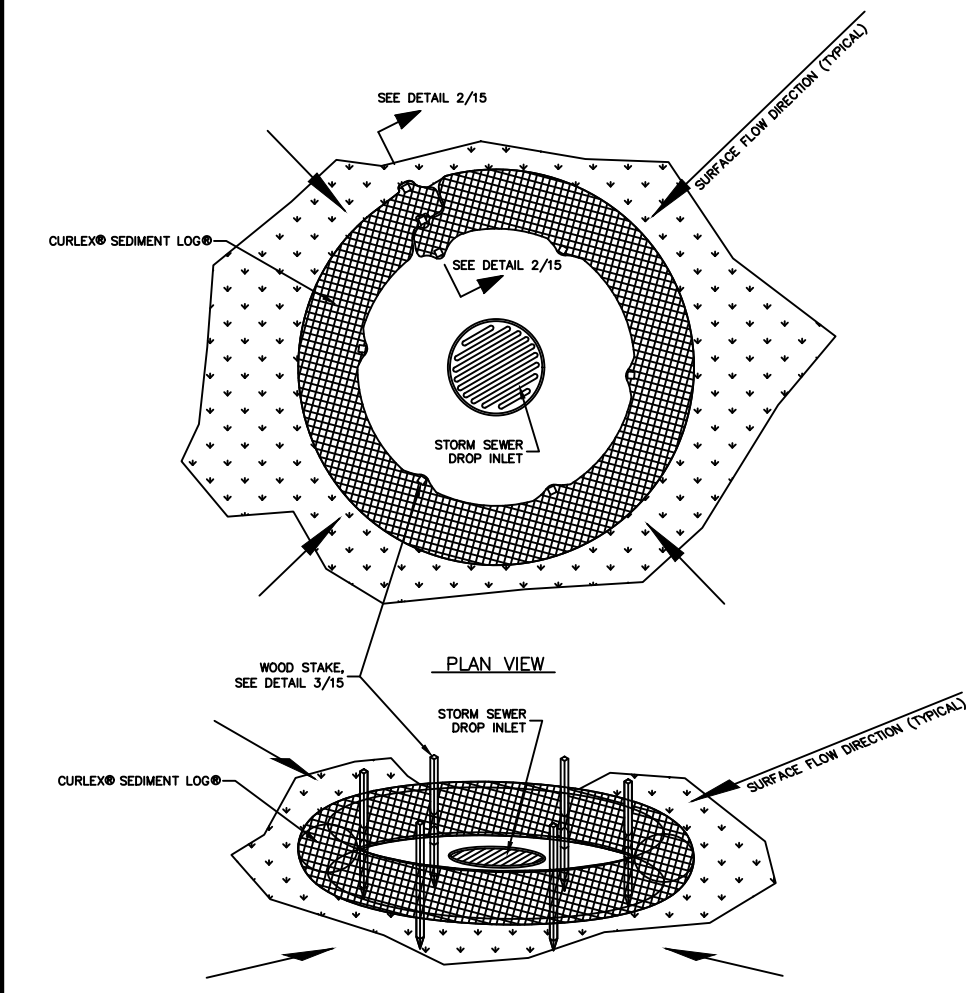
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SURVEY LICENSE # LB 6690
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SAMUEL W. MARSHALL P.E.
FL REG # 26661

WEIR DESIGN - WEIR-2						SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT		LEE COUNTY, FLORIDA	
DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET		
5/14/2019	8234	_WEIR-1	KWK	SDJ	KWK	AS NOTED	17B		



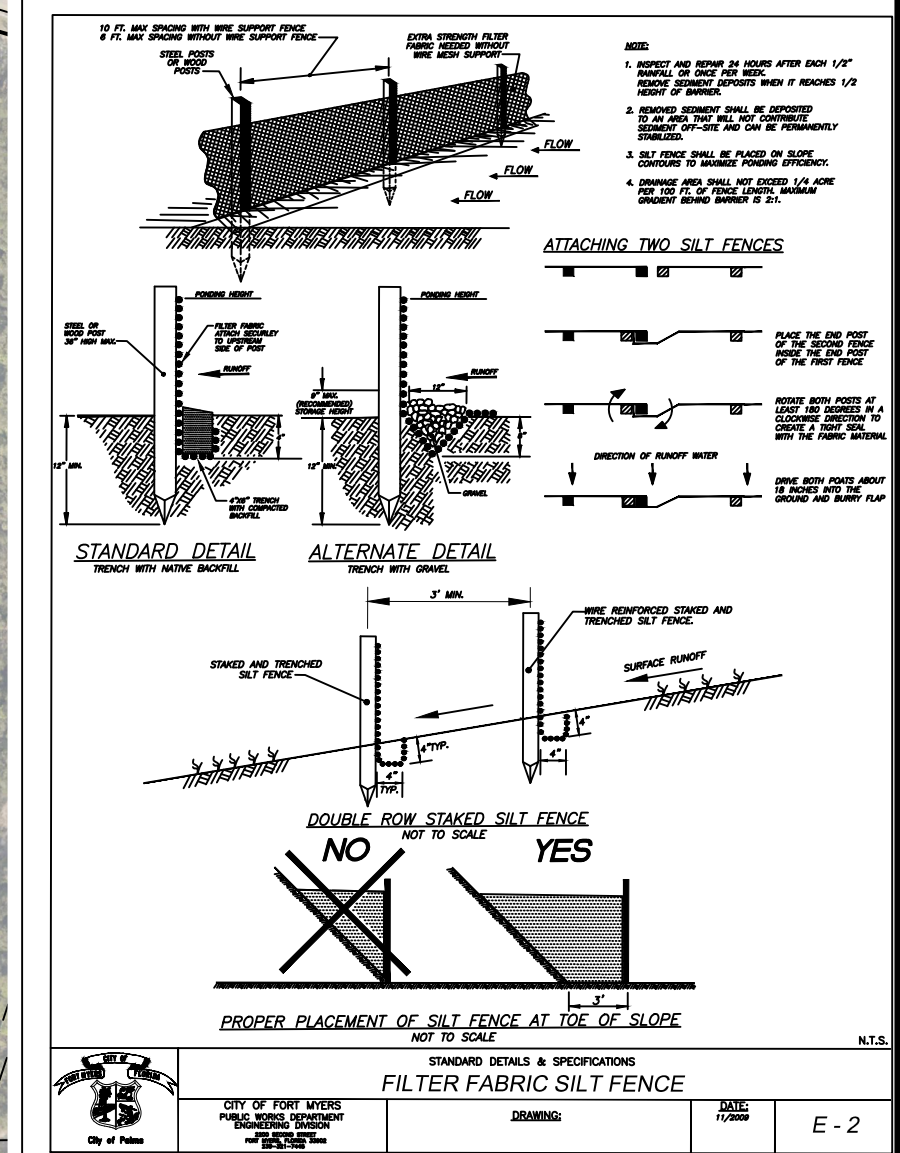
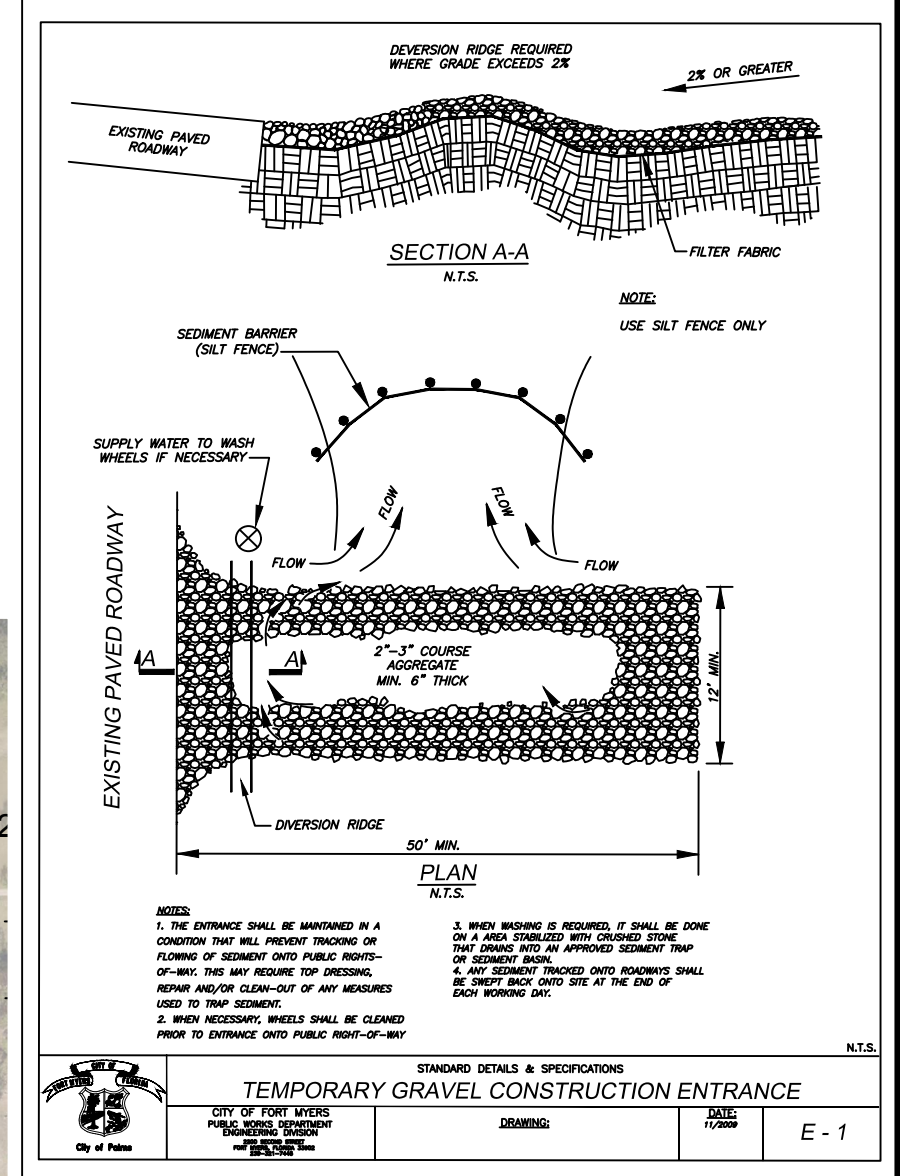
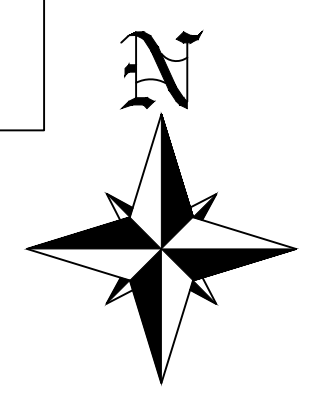
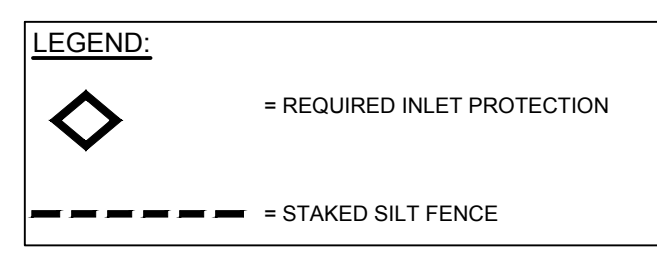
GENERAL NOTES:

PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY, APPROPRIATE EROSION CONTROL DEVICES SHALL BE INSTALLED TO CONTROL AND REDUCE SOIL EROSION AND SEDIMENT TRANSPORT TO OFF SITE AREAS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEVICES SHALL REMAIN IN PLACE UNTIL THE SURROUNDING AREAS ARE ESTABLISHED.

THE FOLLOWING MINIMUM REQUIREMENTS ARE RECOMMENDED: (REFERENCE FLORIDA DEVELOPMENT MANUAL, FDER, PPS 6-301 TO 6-500).

A) TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
 B) SILT FENCE
 D) STORM INLET DRAIN PROTECTION

THESE BEST MANAGEMENT PRACTICES (BMP) ARE TYPICAL OF THE REQUIREMENTS FOR SOIL EROSION CONTROL PER DIVISION 3.7 OF THE LEE COUNTY LAND DEVELOPMENT CODE. THEY MAY NOT CONSTITUTE COMPLETE REQUIREMENTS FOR COMPLIANCE WITH REGULATORY AGENCIES AND SPECIFIC PERMIT CONDITIONS.



PREPARED FOR:
LEE COUNTY NATURAL RESOURCES
LEE BOARD OF COUNTY COMMISSIONERS

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 FORT MYERS, FL 33901
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NO.	DATE	REVISION DESCRIPTION	BY

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SAMUEL W. MARSHALL P.E.
 FL REG # 26661

STORMWATER POLLUTION PREVENTION PLAN									
SUNNILAND / NINE MILE RUN DRAINAGE IMPROVEMENT PROJECT									
LEE COUNTY, FLORIDA									
DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET		
5/14/2019	8234	_AER	KWK	SDJ	KWK	1"=300'	18		



GEOTECHNICAL ENGINEERING SERVICES REPORT

Velocity Project Number: 18-254

Project:

Sunnyland - Nine Mile Run Drainage Improvement
5850 Buckingham Road
Fort Myers, Lee County, Florida
Strap # 17-44-26-00-00002.0000

Client:



Attn: David Warthen
1500 Monroe Street, 3rd Floor
Fort Myers, FL 33901

Date: June 23, 2022

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FIGURES

Figure 1 Project Location Plan

Figure 2 Boring Location Plan

BORING LOGS





David Warthen
Lee County Division of Natural Resources
1500 Monroe Street, 3rd Floor
Fort Myers, FL 33901
(239) 533-8829
DWarthen@LeeGov.com

June 23, 2022

Subject: Geotechnical Engineering Services Report
Sunnyland - Nine Mile Run Drainage Improvement
5850 Buckingham Road
Fort Myers, Lee County, Florida
Strap # 17-44-26-00-00002.0000
Velocity Project Number: 18-254

Dear Mr. Warthen:

Velocity Engineering Services, LLC (Velocity) is pleased to submit this Geotechnical Engineering Services Report for the project referenced above. It has been our pleasure to be a part of your design team for this project and we look forward to a continued association.

1.0 INTRODUCTION

1.1 Project Description

Velocity understands that the proposed project will consist of the construction of two new weir stations (Stations 12 and 154), the installation of a Round Concrete Pipe (RCP) for 1 canal crossing (Station 17), installing 2 drainage structures (Stations 17+75 and 132+25), and widening the canal (from station 151 to 154 and from station 11 to 42) to assist in drainage at Sunnyland – Nine Mile Run. The client requested a geotechnical exploration program consisting of soil borings to assist with planning for the project.

Velocity was provided with the following plans:

- ✓ Sunnyland /Nine Mile Run Drainage Improvement Project Plans (Sheet 01 through 18), 19 pages, from Banks Engineering with the latest revised date of 05/14/2019.
- ✓ A Revised “Sheet 05 – Master Engineering Plan” with Updated Gopher Tortoise Burrow Locations, 1 page, from Banks Engineering with the latest revised date of 04/09/2021.
- ✓ A Revised “Sheet 17 – Control Structure Details”, 1 page, from Banks Engineering with the revisions undated.

Velocity was also informed by Samuel W. Marshall, P.E. with Banks Engineering that the foundation bearing pressure for the weirs will be on the order of 661 pounds per square foot (psf). Based on the plans provided, Velocity understands that the proposed weir structure foundations will bear approximately 8 to 10 feet below the existing grade.

Velocity was not provided with any other plans or information at the time of this report.

1.2 Purpose & Scope of Services

The purpose of this exploration program was to evaluate the subsurface soil and groundwater conditions relative to the foundation support and construction of the proposed weir stations, canal crossing, and canal widening. Velocity therefore performed the following scope of services:

- ✓ Obtaining the necessary drilling permits, obtaining utility locates from Sunshine 811, and mobilizing a drill rig and crew to the site.
- ✓ Locating the test borings based on measured or estimated distances from existing structures and/or GPS coordinates.
- ✓ Performing one (1) Standard Penetration Test (SPT) boring to depths of twenty-five (25) feet below the ground surface (BGS) (Boring B-1) and three (3) SPT borings to depths of twenty (20) feet BGS (Boring B-2 through B-4) at the locations of the new weirs. Borings B-1 and B-2 were performed near proposed weir #1 at Station 12 and Borings B-3 and B-4 were performed near proposed weir #2 at Station 154.
- ✓ Performing two (2) SPT borings to depths of ten (10) feet BGS at the canal crossings (Borings B-5 and B-6).
- ✓ Performing seven (7) SPT borings to depths of ten (10) feet BGS in the area of the canal widening and drainage structure(s) (Borings B-7 through B-13).
- ✓ Grouting the test borings in accordance with regulatory requirements.
- ✓ Visually classifying the soil samples recovered from the test borings.
- ✓ Performing engineering analyses and preparing a Geotechnical Report for the project.

2.0 METHODOLOGY & FINDINGS

2.1 Site Features

The project site and immediate surroundings is adjacent to a vacant/unoccupied facility currently owned by Florida Gulf Coast University. The proposed areas of development consist of vacant, grassy areas and areas of medium to dense vegetation. The site ranges in elevation across the different project areas. The site is bordered by single-family residences and vacant land to the north and south, Buckingham Road and areas of dense vegetation to the east, and single-family residences followed by Neal Road to the west.

The approximate site location is depicted in Figure 1, Project Location Plan.

2.2 Field Exploration Program

The test borings were performed in general accordance with ASTM D1586 "*Standard Test Method for Standard Penetration Test (SPT) and Split Barrel Sampling of Soils*". This procedure uses a 140 pound hammer with a 30 inch drop to drive a 2 inch (outside) diameter hollow tube called a "split-spoon". The number of hammer blows required to drive the split-spoon 12 inches is called the "N Value" and is an indication of the relative density of the soil(s). The split-spoon also captures samples of the soil(s) so they can be retrieved.

The approximate boring locations are depicted in Figure 2, Boring Location Plan.



2.3 Laboratory Examination

The soil samples retrieved during the field exploration program were visually examined in general accordance with ASTM D2488 "*Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)*". Each soil sample was classified in general accordance with the Unified Soil Classification System (USCS), modified as necessary to describe typical southwest Florida soils. Additional laboratory testing was not included in our scope of services, nor was it deemed necessary at this time.

The soil samples will be retained at Velocity's office for 30 days from the date of this report. The samples will then be disposed of unless other arrangements, such as the client taking possession of them or Velocity retaining them beyond this date, have been agreed upon in writing.

2.4 Subsurface Soil Conditions

The subsurface soil conditions at the site generally consist of very loose to dense sand (SP), sand with silt (SP-SM), silty sand (SM), and weathered limestone (WLS), and very soft to soft silt (ML) from the existing ground surface to the boring termination depths of approximately 10 to 25 feet BGS. Detailed records of each boring are attached to this report.

2.5 Groundwater

At the time of our field exploration program, the ground water depth was measured at approximately 3 to 6.5 feet below the existing ground surface in the test borings. The ground water measurements were obtained prior to initiation of mud rotary drilling.

Fluctuation in groundwater depths should be anticipated due to seasonal changes, local rainfall, surface water runoff, and other site-specific considerations. Ponding of storm water should be anticipated after heavy rain events. These ground water depths and possible fluctuations should be considered when planning any excavations at the site. Dewatering may be required to facilitate the proposed construction.

3.0 RECOMMENDATIONS

As mentioned in Section 1.1, it is understood that the weir foundations will be constructed approximately 8 feet below existing grade. However, very soft to firm silt (ML) layers were encountered at those depths in the test borings (Borings B-1 through B-4). Therefore, it will be necessary to over-excavate and back fill with #57 stone to create a stable and firm layer on which to construct the weirs. Velocity recommends over-excavating these areas to a depth of at least 4 feet below the bottom of the footing and backfilling them with #57 stone. The weirs can then be constructed directly upon the stone surface. Settlement is projected to be less than 1-1/2 inches total and 1 inch differential.

Excavation of the sand (SP), sand with silt (SP-SM), silty sand (SM), weathered limestone (WLS), and silt (ML) encountered in the test borings to the termination depths of approximately 10 to 25 feet BGS can generally be accomplished using normal heavy earthwork equipment.

It should be noted that the test results indicate the subsurface soil conditions at the boring locations only and the possibility that very dense shell and/or hard rock may exist at shallower depths or in other locations cannot be ruled out. Excavation contractors should not rely on Velocity's report in preparing their bids for this project.



Velocity recommends that the excavation contractor(s) perform test pits at the site to confirm that the subsurface conditions they encounter are consistent with those presented in Velocity's boring logs.

Groundwater control will likely be necessary for the successful completion of excavations. A well point system is the most effective method of groundwater control. If a well point system is not feasible, pumps may be used to control groundwater. In the case that groundwater cannot be adequately controlled, soil backfill should not be placed into standing water. Instead, #57 stone should be placed in the bottom of the excavation to create a stable base and achieve a dry, stable elevation prior to the placement of any soil fill.

4.0 LIMITATIONS

4.1 Unanticipated Conditions

Velocity cannot be responsible for any unanticipated conditions that may be discovered on the site that were not encountered in our test borings. However, should any such unanticipated conditions be discovered, Velocity should be notified of them immediately in writing so that we may observe them and review their impact upon our recommendations presented herein.

If any of the project details stated herein are modified or changed, Velocity must be notified in writing so that we may review the applicability of our recommendations.

4.2 Boring Logs & Figures

The soil and groundwater conditions shown in the boring logs and reported herein reflect the conditions at the specific boring locations at the time of our exploration only. Conditions will vary across the site and will also vary with time. Soil layer transitions depicted on the boring logs should be considered approximate and variations in depth should be anticipated. The boring locations indicated were not surveyed and should be considered approximate.

4.3 Reliance

This report has been prepared for the exclusive use of the client, the project owner, and the design team for the indicated project only. No other parties are entitled to rely upon this report. Contractors should not rely upon this report for preparation of their bids and should perform their own investigations to confirm any details that may impact their bids. This report should not be relied upon to plan any other project at this site, or the same project at any other site.

4.4 Standard of Care

These geotechnical engineering services have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the location where the Work was performed. No other warranty, expressed or implied, is made including, without limitation, any warranty of fitness for a particular purpose other than those expressly stated herein.

4.5 Reproduction

No portion of this report should be reproduced or used unless the entire report is reproduced in full.



4.6 Out of Scope Considerations

The depths of the test borings performed herein were limited to the depths to which the anticipated foundation loads are likely to influence. Evaluation of potential hazards at deeper depths, such as karst (sinkhole) activity, is beyond the scope of this investigation.

The following items are considered out of scope considerations and have not been evaluated by Velocity: examination or testing of the soil samples recovered for chemical contamination or other environmental hazards; determination or evaluation of the seasonal high water table; and constructability review.

5.0 CLOSING & CERTIFICATION

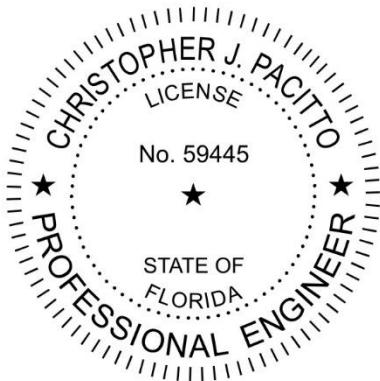
We appreciate the opportunity to be of service to you on this project. Please do not hesitate to contact us if you have any questions or if we may further assist you.

Sincerely,

Velocity Engineering Services, LLC
12821 Commerce Lakes Drive, Suite 7
Fort Myers, FL 33913
FBPE CA# 30362

Christopher J. Pacitto, P.E.
President/Principal Engineer

This item has been digitally signed and sealed by



on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

A handwritten signature in cursive script that reads "Felipe Compean".

Felipe Compean, E.I.
Project Engineer



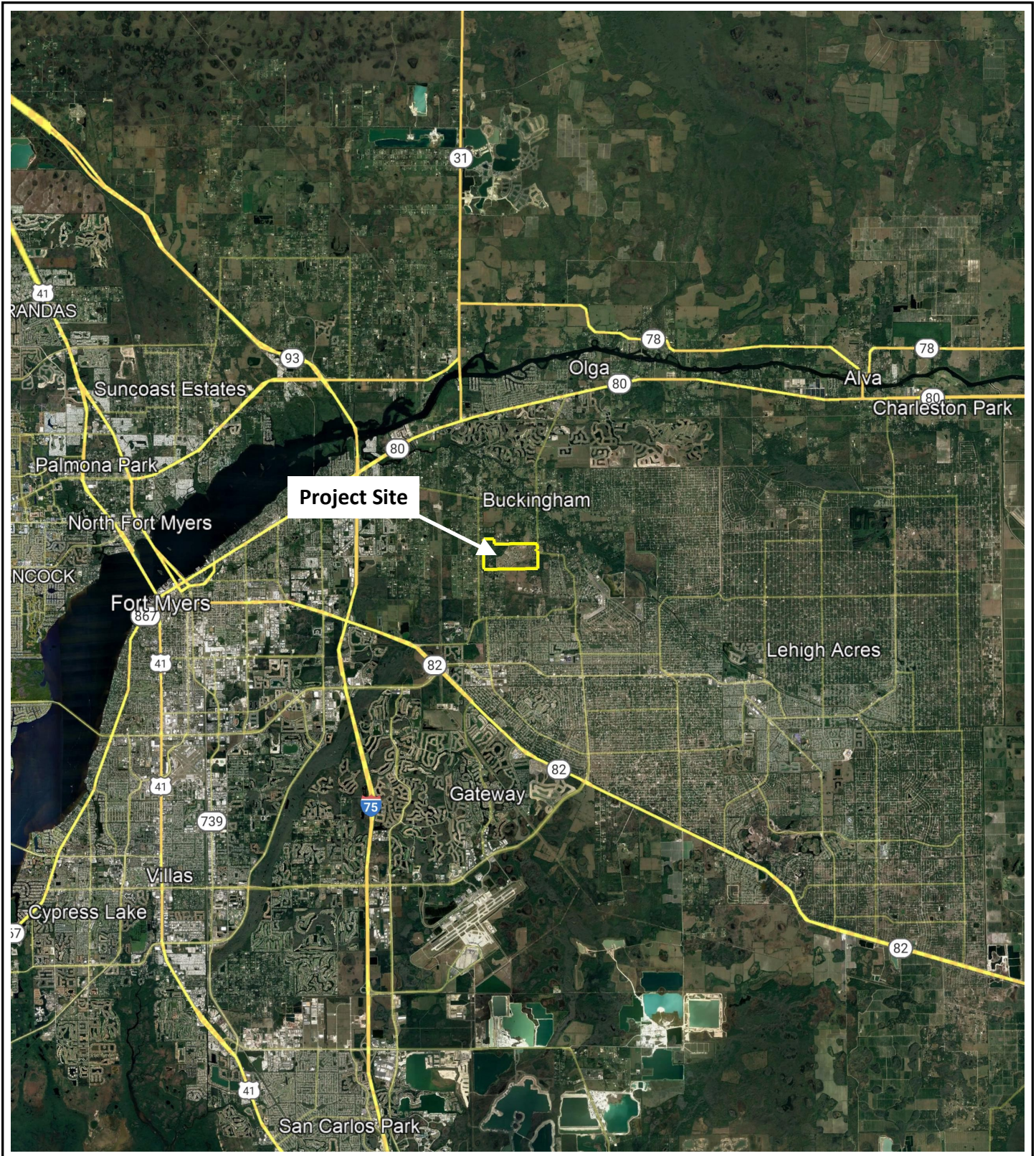


FIGURE 1 — PROJECT LOCATION PLAN

Sunnyland - Nine Mile Run

5850 Buckingham Road

Fort Myers, Lee County, Florida

Velocity Project Number: 18-254





FIGURE 2A — BORING LOCATION PLAN



Sunnyland - Nine Mile Run
5850 Buckingham Road
Fort Myers, Lee County, Florida
Velocity Project Number: 18-254

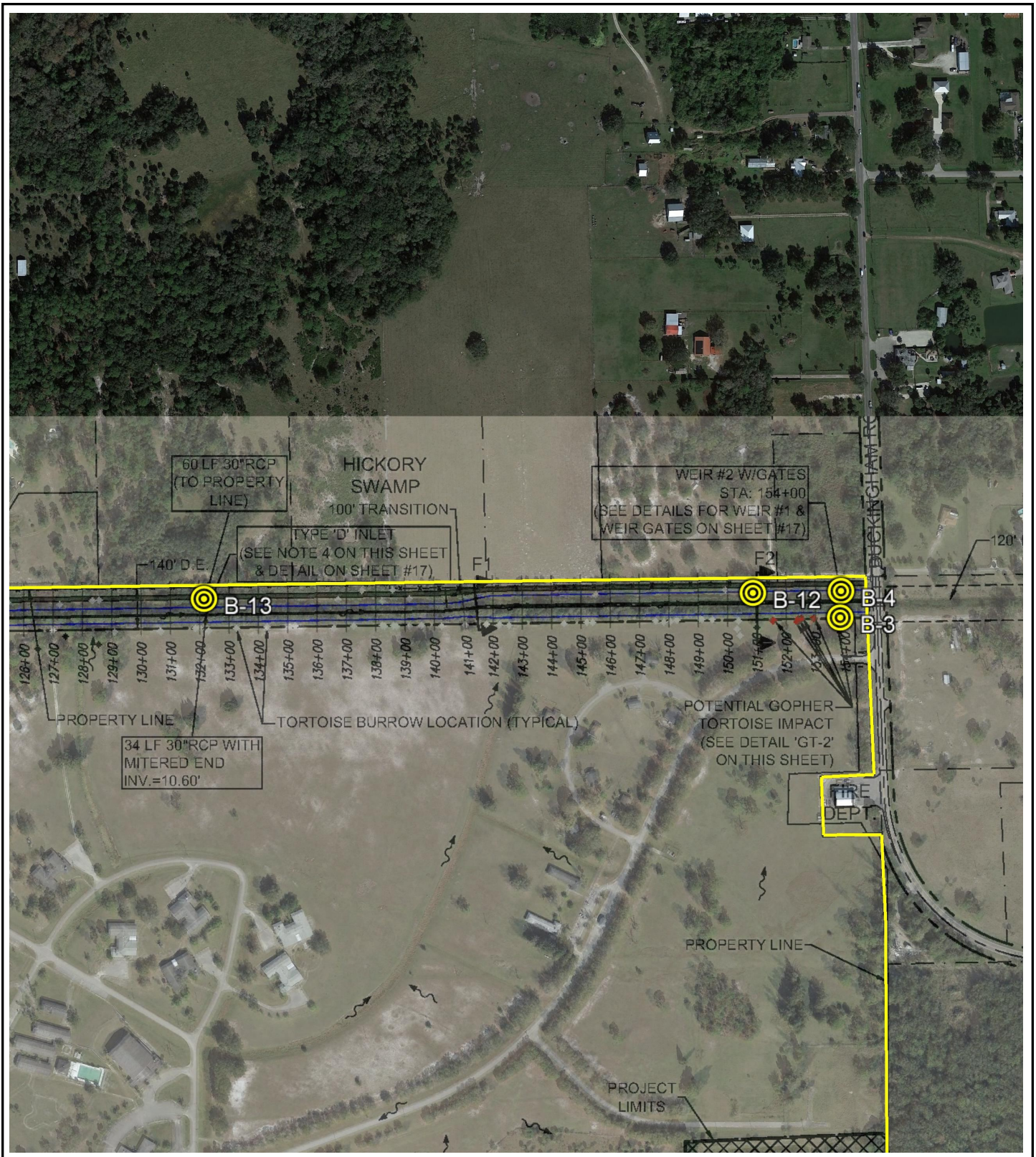


FIGURE 2B — BORING LOCATION PLAN



Sunnyland - Nine Mile Run
 5850 Buckingham Road
 Fort Myers, Lee County, Florida
 Velocity Project Number: 18-254



KEY TO BORING LOGS

Major Division		Group Symbols	Typical Names
COARSE-GRAINED SOILS (50% of the material retained on No. 200 sieve)	Gravels (>50% retained on No. 4 sieve)	Clean Gravel	GW Well-graded gravels, gravel-sand mixtures, little or no fines
			GP Poorly-graded gravels, gravel-sand mixtures, little or no fines
		Gravel w/ Fines	GM Silty gravels, gravel-sand-silt mixtures
			GC Clayey gravels, gravel-sand-silt mixtures
	Sands (<50% passes No. 4 sieve)	Clean Sands	SW Well-graded sands, gravelly sands, little or no fines
			SP Poorly-graded sands, gravelly sands, little or no fines
		Sand w/ Fines	SM Silty sands, sand-silt mixtures
			SC Clayey sands, sand clay mixtures
FINE-GRAINED SOILS (>50% of the material passes No. 200 sieve)	Silts and Clays (Liquid limit < 60)	ML Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity	
		CL Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays	
		OL Organic silts and organic silty clays of low plasticity	
	Silts and Clays (Liquid limit > 60)	MH Inorganic silts micaceous or distomaceous fine sandy or silty soils, organic silts	
		CH Inorganic clays of high plasticity, fat clays	
		OH Organic clays of medium to high plasticity, organic silts	
Highly Organic Soils	PT Peat and other highly organic soils		
Limestones	LS Limestone layer		
	WLS Weathered and/or deteriorated limestone		

DENSITY of SANDS, GRAVELS, and WEATHERED LIMESTONE	
<u>N Value</u>	<u>Density</u>
0-4	Very Loose
5-10	Loose
11-30	Medium Dense
31-50	Dense
50+	Very Dense

CONSISTENCY of SILTS & CLAYS	
<u>N Value</u>	<u>Density</u>
0-2	Very Soft
3-4	Soft
5-8	Firm
9-15	Stiff
16-30	Very Stiff
30+	Hard

HARDNESS OF LIMESTONE	
<u>N Value</u>	<u>Density</u>
50-99	Soft
100+	Hard

PROPORTIONS	
<u>Content</u>	<u>Description</u>
0-10%	With a Trace
10-25%	With Some
25-50%	With
*Recovery is 100% unless noted otherwise	

ABBREVIATIONS	
WT	Water table at time of boring
HA	Boring advanced using Hand Auger
~	Approximated N value due to refusal
Moisture	Moisture Content per ASTM D2216
-200	% passing #200 sieve per ASTM D1140
Organics	Organic Content per ASTM D2974
LL, PL, PI	Atterberg Limits per ASTM D4318



BORING LOG NUMBER: B-2

PROJECT: Sunniland Nine Mile Run

PROJECT No.: 18-254

DATE: 5/23/22

GROUNDWATER: 4.8 ft

NOTES:

DEPTH (FEET) & Water Table	SAMPLE	BLOWS / 6"	"N" VALUE BLOWS / FT.	SYMBOL	SOIL DESCRIPTION	NOTES
0		3			SAND (SP) Loose	Tan with a trace of root
		2	5			
		3				
		4				
		2			SILTY SAND (SM) Very Loose	Orange
		2	4			
		2				
5	WT	3			SAND WITH SILT (SP-SM) Loose	Light brown with some rock and a trace of shell
		2	5			
		3				
		3			SILTY SAND (SM) Loose	Tan with silty sand
		5	10			
		5				
		5				
10		2			SILT (ML) Very Soft to Firm	Light tan with silt
		3	6			
		3				
		3				
		3				
		1				
15		1	2			
		1				
		1				
		1				
20		1	2			
		1				
		1				
		1				
25						
30						Boring terminated at 20 feet



BORING LOG NUMBER: B-3

PROJECT: Sunniland Nine Mile Run

PROJECT No.: 18-254

DATE: 5/24/22

GROUNDWATER: 5.0 ft

NOTES:

DEPTH (FEET) & Water Table	SAMPLE	BLOWS / 6"	"N" VALUE BLOWS / FT.	SYMBOL	SOIL DESCRIPTION	NOTES
0		1			SAND (SP) Very Loose to Loose	Brown to light gray with a trace of root
		2	4			Light gray
		2				
		3				
		3	6			
		2				
5	WT	2			SAND WITH SILT (SP-SM) Very Loose	Brown
		1	3			
		2				
		1				
		2				
		1				
		1	2	SILT (ML) Very Soft	Light tan with traces of rock and shell	
		1				
		1				
		1				
		0	2		Tan with traces of silty sand, shell, and phosphate	
		1				
10		1				
		1	2		Light gray with traces of shell and phosphate	
		1				
		1				
15		1				
		3	2		Gray with traces of rock, shell, and phosphate	
		1				
		1				
20					Boring terminated at 20 feet	
25						
30						



BORING LOG NUMBER: B-4

PROJECT: Sunniland Nine Mile Run
 PROJECT No.: 18-254 DATE: 5/24/22 GROUNDWATER: 6.0 ft
 NOTES:

DEPTH (FEET) & Water Table	SAMPLE	BLOWS / 6"	"N" VALUE BLOWS / FT.	SYMBOL	SOIL DESCRIPTION	NOTES
0		4				Gray with traces of rock and root
		5	11		SAND (SP) Very Loose to Medium Dense	Light gray
		6				
		4	8			
		4				
		4				
5		3				Light gray to brown
		2	4			
		2				
		2				
WT		2			SAND WITH SILT (SP-SM) Loose	Light brown
		3	5			
		2				
		2				
		0			SILT (ML) Very Soft to Soft	Light tan with a trace of shell The drill string advanced from 8' to 9' under weight of the hammer
		0	1			
10		1				
		2				
		1				Light tan with traces of shell and phosphate
		3	4			
15		1				
		3				Tan with traces of shell and phosphate
		1	4			
20		3				
						Boring terminated at 20 feet
25						
30						



BORING LOG NUMBER: B-5

PROJECT: Sunniland Nine Mile Run

PROJECT No.: 18-254

DATE: 5/23/22

GROUNDWATER: 3.5 ft

NOTES:

DEPTH (FEET) & Water Table	SAMPLE	BLOWS / 6"	"N" VALUE BLOWS / FT.	SYMBOL	SOIL DESCRIPTION	NOTES
0		3	14	[Symbol]	SAND (SP) Medium Dense	Brown with some rock and traces of shell and root
		7				
		5				
		5	12	[Symbol]	SAND WITH SILT (SP-SM) Medium Dense	Brown with a trace of rock
		7				
		5				
WT		5	21	[Symbol]	WEATHERED LIMESTONE (WLS) Loose to Medium Dense	Brown with a trace of sand with silt
		4				
		13				
5		8	12	[Symbol]	WEATHERED LIMESTONE (WLS) Loose to Medium Dense	Brown
		5				
		10				
		7	6	[Symbol]	WEATHERED LIMESTONE (WLS) Loose to Medium Dense	Brown
		5				
		3				
		2	6	[Symbol]	WEATHERED LIMESTONE (WLS) Loose to Medium Dense	Brown
		2				
		4				
10		4				Boring terminated at 10 feet
15						
20						
25						
30						



BORING LOG NUMBER: B-7

PROJECT: Sunniland Nine Mile Run
 PROJECT No.: 18-254 DATE: 5/23/22 GROUNDWATER: 5.3 ft
 NOTES:

DEPTH (FEET) & Water Table	SAMPLE	BLOWS / 6"	"N" VALUE BLOWS / FT.	SYMBOL	SOIL DESCRIPTION	NOTES
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0		1			<p>SAND (SP)</p> <p>Very Loose to Loose</p>	Gray with a trace of root
		2				<p>Dark brown</p>
		3	5			
		4				
		3				
		3	6			<p>Brown with a trace of root</p>
		3				
		2				
5	WT	2	4			
		2				
		2			<p>SAND WITH SILT (SP-SM)</p> <p>Very Loose</p>	Brown with traces of rock and root
		1	3			
		2				
		10			<p>WEATHERED LIMESTONE (WLS)</p> <p>Medium Dense</p>	Light tan with traces of silty sand and phosphate
		8	15			
		7				
		8				
10		6				Boring terminated at 10 feet
15						
20						
25						
30						



BORING LOG NUMBER: B-8

PROJECT: Sunniland Nine Mile Run

PROJECT No.: 18-254

DATE: 5/23/22

GROUNDWATER: 5.8 ft

NOTES:

DEPTH (FEET) & Water Table	SAMPLE	BLOWS / 6"	"N" VALUE BLOWS / FT.	SYMBOL	SOIL DESCRIPTION	NOTES
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0		2			SAND (SP) Very Loose to Medium Dense	Brown to light gray with a trace of root	
		3					
		3	6				
		5					
		4					Gray with a trace of root
		7					
		9	16				
		8					
		5					Dark Brown
5		5					
		4	9				
		5					
	WT	2					Brown
		2					
		2	4				
		2					
		1			Brown		
		1					
		2					
		2	3				
		1					
10						Boring terminated at 10 feet	
15							
20							
25							
30							



BORING LOG NUMBER: B-9

PROJECT: Sunniland Nine Mile Run

PROJECT No.: 18-254

DATE: 5/23/22

GROUNDWATER: 6.5 ft

NOTES:

DEPTH (FEET) & Water Table	SAMPLE	BLOWS / 6"	"N" VALUE BLOWS / FT.	SYMBOL	SOIL DESCRIPTION	NOTES
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0		4			<p>SAND (SP)</p> <p>Very Loose to Loose</p>	Light brown with traces of rock and shell
		4	8			Dark gray
		4				
		3				
		2	7			
		3				
		4				
		3				
5		4	6			
		3				
		3				
		2				
		1	2			Dark brown with a trace of root
		1				
		1				
		1				
		1	2		<p>SAND WITH SILT (SP-SM)</p> <p>Very Loose</p>	Brown with a trace of root
10		0				Boring terminated at 10 feet
15						
20						
25						
30						



BORING LOG NUMBER: B-10

PROJECT: Sunniland Nine Mile Run
 PROJECT No.: 18-254 DATE: 5/23/22 GROUNDWATER: 3.0 ft
 NOTES:

DEPTH (FEET) & Water Table	SAMPLE	BLOWS / 6"	"N" VALUE BLOWS / FT.	SYMBOL	SOIL DESCRIPTION	NOTES	
0		2			SAND (SP)	Dark brown with a trace of root	
		2	5				
		3					
		4					
		4					
		3	7			Loose	Dark brown with a trace of root
		4					
WT		4					
		2			SAND WITH SILT (SP-SM)	Brown with a trace of root	
5		3	6				Loose
		3					
		2					
		1			SILT (ML)	Light brown with a trace of sand	
		1	2				Very Soft
		1					
		1					
		0			WEATHERED LIMESTONE (WLS)	Light brown with a trace of silt	
		1	3				Very Loose
		2					
		4					
10						Boring terminated at 10 feet	
15							
20							
25							
30							



BORING LOG NUMBER: B-11

PROJECT: Sunniland Nine Mile Run
 PROJECT No.: 18-254 DATE: 5/23/22 GROUNDWATER: 4.5 ft
 NOTES:

DEPTH (FEET) & Water Table	SAMPLE	BLOWS / 6"	"N" VALUE BLOWS / FT.	SYMBOL	SOIL DESCRIPTION	NOTES
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0		2			<p>SAND (SP)</p> <p>Very Loose to Loose</p>	Dark gray
		1	3			Tan
		2				
		2				
		2	6			
		3				
		3				
		3				
5	WT	2	8			Tan to dark brown
		3				
		5				
		5				
		4				
		3	5		Brown	
		2				
		2				
		1				
		2	7		SAND WITH SILT (SP-SM)	Brown with traces of shell and phosphate
		5			Loose	
10		2				Boring terminated at 10 feet
15						
20						
25						
30						



BORING LOG NUMBER: B-12

PROJECT: Sunniland Nine Mile Run

PROJECT No.: 18-254

DATE: 5/24/22

GROUNDWATER: 5.5 ft

NOTES:

DEPTH (FEET) & Water Table	SAMPLE	BLOWS / 6"	"N" VALUE BLOWS / FT.	SYMBOL	SOIL DESCRIPTION	NOTES	
0		4	8		SAND (SP) Very Loose to Medium Dense	Light gray with a trace of root	
		4					Light gray
		4					
		5	11				
		4					
		5					
		6					
		5	4				
5		4					Gray
		2					
		2					
		1	2				
		1			Gray		
		1					
		0					
		0	3		SILT (ML) Soft	Light gray with traces of sand, shell, and phosphate	
		1					
		2					
10		1				Boring terminated at 10 feet	
15							
20							
25							
30							

Florida
Gulf Coast
University
Buckingham...

P

P

P

1.61 mi

1.50 mi

1.00 mi

La Casa Toscana

Agape Christian
Fellowship
A Friendly Church
Family | Black Chur...

Buckingham Rd

Buckingham Rd

Measure distance
Click on the map to add to your path
Total distance: 1.61 mi (2.59 km)

X

ing any

"General Decision Number: FL20230120 09/29/2023

Superseded General Decision Number: FL20220120

State: Florida

Construction Type: Heavy

County: Lee County in Florida.

HEAVY CONSTRUCTION PROJECTS (Including Sewer and Water Lines)

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

<p>If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$16.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2023.
<p>If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/06/2023
1	08/25/2023
2	09/29/2023

ELEC0915-003 12/05/2022

	Rates	Fringes
ELECTRICIAN.....	\$ 32.56	42%+\$0.35

* ENGI0487-023 07/01/2023

	Rates	Fringes
OPERATOR: Crane		
All Cranes 75 Tons and below.....	\$ 37.07	14.90
All Cranes Over 300 Ton, Electric Tower, Luffing Boom Cranes.....	\$ 40.40	14.90
Cranes 130-300 Ton.....	\$ 39.38	14.90
Cranes 76 ton to 129 Ton....	\$ 37.57	14.90

* ENGI0487-026 07/01/2023

	Rates	Fringes
OPERATOR: Drill		
Drill Rig, Truck Mounted, Sterling Class.....	\$ 27.00	14.90
Drill Rig, Truck Mounted, Watson Class.....	\$ 32.75	14.90
OPERATOR: Oiler.....	\$ 27.53	14.90

IRON0397-006 07/01/2023

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 34.00	17.07

LAB01652-004 05/01/2018

	Rates	Fringes
LABORER: Grade Checker.....	\$ 22.05	7.27

PAIN0088-008 06/01/2021

	Rates	Fringes
PAINTER: Brush, Roller and Spray.....	\$ 20.21	12.38

* SUFL2009-159 06/24/2009

	Rates	Fringes
CARPENTER.....	\$ 14.95 **	2.92
CEMENT MASON/CONCRETE FINISHER...	\$ 14.77 **	3.50
LABORER: Common or General.....	\$ 9.72 **	1.31
LABORER: Landscape.....	\$ 7.25 **	0.00
LABORER: Pipelayer.....	\$ 11.33 **	0.00

LABORER: Power Tool Operator

(Hand Held Drills/Saws, Jackhammer and Power Saws Only).....	\$ 10.63 **	2.20
OPERATOR: Asphalt Paver.....	\$ 11.59 **	0.00
OPERATOR: Backhoe Loader Combo.....	\$ 16.10 **	2.44
OPERATOR: Backhoe/Excavator.....	\$ 14.91 **	1.08
OPERATOR: Bulldozer.....	\$ 17.00	0.00
OPERATOR: Grader/Blade.....	\$ 16.00 **	2.84
OPERATOR: Loader.....	\$ 14.75 **	0.00
OPERATOR: Mechanic.....	\$ 14.32 **	0.00
OPERATOR: Roller.....	\$ 10.76 **	0.00
OPERATOR: Scraper.....	\$ 11.00 **	1.74
OPERATOR: Trackhoe.....	\$ 20.92	5.50
OPERATOR: Tractor.....	\$ 10.54 **	0.00
TRUCK DRIVER, Includes Dump Truck.....	\$ 11.00 **	0.00
TRUCK DRIVER: Lowboy Truck.....	\$ 12.73 **	0.00
TRUCK DRIVER: Off the Road Truck.....	\$ 12.21 **	1.97

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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 ** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$16.20) or 13658 (\$12.15). Please see the Note at the top of the wage determination for more information.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union

average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"