

MORGAN - ANCLOTE HARBOR

U.S. 19 ROADWAY IMPROVEMENTS

PINELLAS COUNTY (15150000)

STATE ROAD NO. 55 (U.S. 19)

MILE POST 32.191

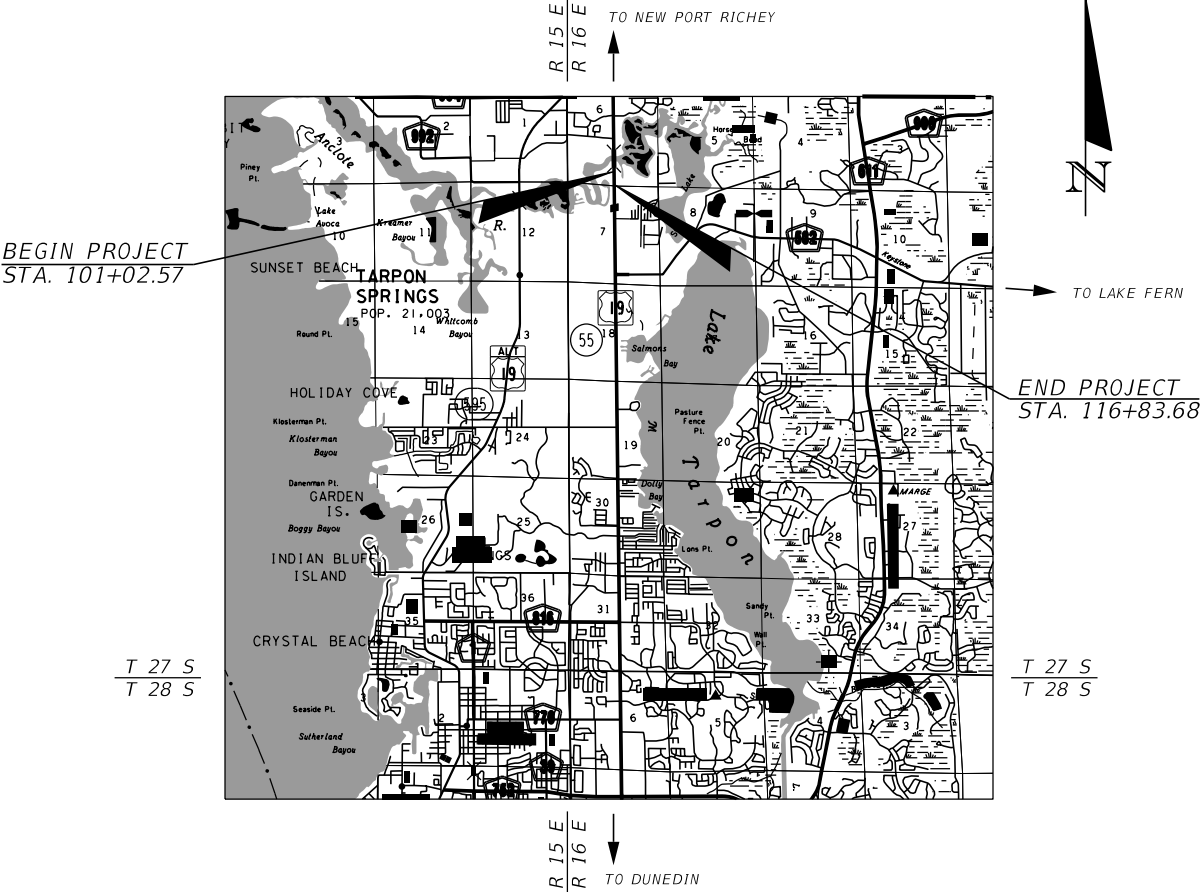
ACCESS DRIVEWAY CONNECTION PERMIT #2021-X-XXX

CONTRACT PLANS COMPONENTS

ROADWAY PLANS

INDEX OF ROADWAY PLANS

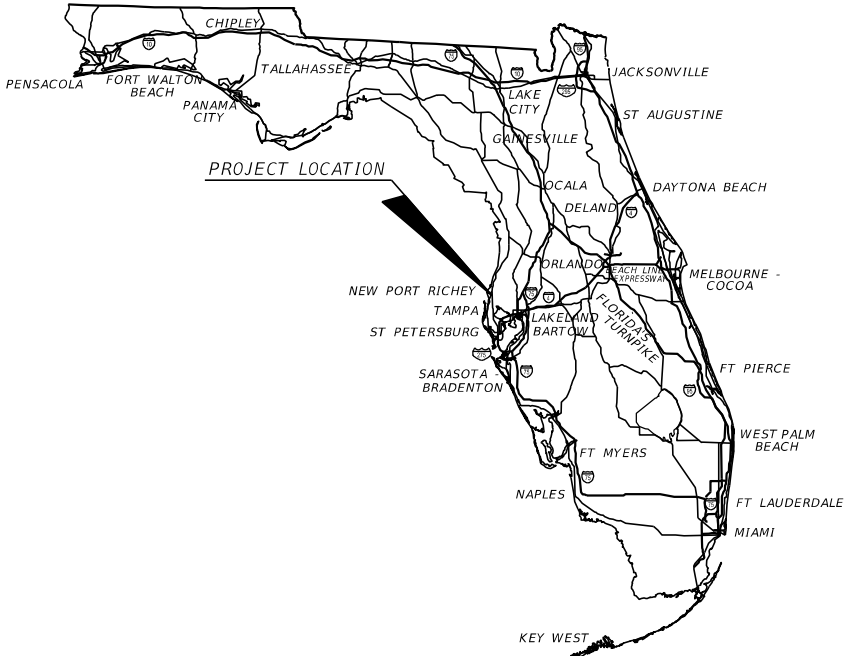
SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	GENERAL NOTES
4 - 5	TYPICAL SECTIONS
6	DRAINAGE MAP
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33	TEMPORARY TRAFFIC CONTROL PLAN
L-1	POLE DATA, LEGEND AND GENERAL NOTES
L-2 - L-4	LIGHTING PLAN



SITE LOCATION MAP

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

JULY 2021



ROADWAY PLANS
ENGINEER OF RECORD:

JOHN R. SEALS, P.E. NO.: 51505
KIMLEY-HORN AND ASSOCIATES
655 NORTH FRANKLIN STREET, SUITE 150
TAMPA, FL. 33602
(813) 620-1460

DRAINAGE PLANS
ENGINEER OF RECORD:

VICTOR GALLO, P.E. NO.: 75592
KIMLEY-HORN AND ASSOCIATES
189 SOUTH ORANGE AVE, SUITE 1000
ORLANDO, FL. 32801
(407) 898-1511

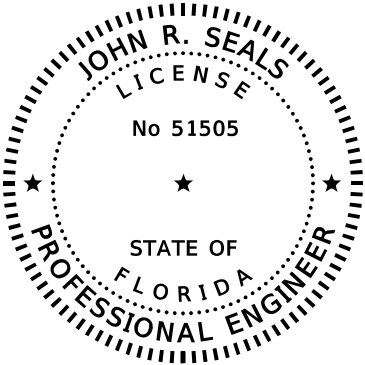
PLANS PREPARED BY:

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND PLANNERS
655 NORTH FRANKLIN STREET, SUITE 150
TAMPA, FLORIDA 33602
PHONE (813) 620-1460

FISCAL YEAR	SHEET NO.
21	1

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



THIS ITEM HAS BEEN DIGITALLY
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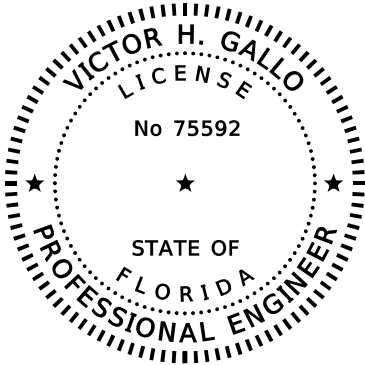
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KIMLEY-HORN AND ASSOCIATES, INC.
655 N FRANKLIN STREET, SUITE 150
TAMPA, FL 33602
(813) 627-1460
CERTIFICATE OF AUTHORIZATION: 696
JOHN R. SEALS, P.E. NO.: 51505

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
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6	DRAINAGE MAP
24	DRAINAGE DETAIL
25 - 26	STORMWATER POLLUTION PREVENTION PLAN
27 - 29	EROSION CONTROL PLAN

REVISIONS					STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			2

GENERAL NOTES:

1. COMPLY WITH ALL STATE, COUNTY, AND LOCAL ORDINANCES AND OBTAIN NECESSARY WORK PERMITS THAT ARE REQUIRED PRIOR TO CONSTRUCTION.
2. LOCATION, ELEVATION, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN IN ACCORDANCE WITH THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. VERIFY THE LOCATION, ELEVATION, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AFFECTING THE WORK.
3. PROVIDE TWO WORKING DAYS NOTICE TO UTILITY AGENCY/OWNER'S (UAO), AND PINELLAS COUNTY PUBLIC WORKS, IN ORDER TO LOCATE AND IDENTIFY THEIR EXISTING UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, AS ESTABLISHED BY THE "UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT". KNOWN UAO'S ARE:

16. ALL STATION AND OFFSET REFERENCES ARE TO CENTERLINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
17. BEARINGS SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, FL-WEST PROJECTION, WITH WEST RIGHT-OF-WAY BOUNDARY OF HARNEY ROAD HAVING A GRID BEARING OF S27°22'44"W.
18. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), AND REFERENCE TO HILLSBOROUGH COUNTY BENCHMARK VA-782, PUBLISHED ELEVATION 38.99' (NAVD88).

SIGNING AND PAVEMENT MARKINGS:

1. ALL EXISTING TRAFFIC SIGNS MUST BE MAINTAINED DURING CONSTRUCTION.
2. ALL TRAFFIC SIGN POSTS MUST BE COMPATIBLE (MAKE, DESIGN) WITH POSTS NOW IN USE BY THE PINELLAS COUNTY PUBLIC WORKS TRAFFIC OPERATIONS.
3. CAUTION MUST BE EXERCISED WHILE RELOCATING EXISTING SIGNS TO PREVENT UNNECESSARY DAMAGE TO THE SIGNS. DAMAGED SIGNS MUST BE REPLACED.
4. SIGN LOCATIONS SHOWN ARE APPROXIMATE. ANY FIELD ADJUSTMENT MUST BE AT THE DIRECTION OF THE CONSTRUCTION PROJECT MANAGER AND/OR THE ENGINEER OF RECORD.

4. COORDINATE CONSTRUCTION SCHEDULING WITH UTILITY AGENCY/OWNER'S. MEET WITH UAO'S PRIOR TO THE PRE-CONSTRUCTION CONFERENCE TO ADJUST THEIR SCHEDULES TO COINCIDE WITH THE CONSTRUCTION SCHEDULE.
5. UTILITY ADJUSTMENTS SHOWN IN THIS CONTRACT PLAN SET MUST BE PERFORMED BY THE UTILITY AGENCY WHEN UTILITY CONSTRUCTION PLANS ARE NOT INCLUDED IN THE CONTRACT PLAN SET.
6. ERECT EROSION CONTROL DEVICES PRIOR TO LAND ALTERATIONS, MAINTAIN THEM DURING CONSTRUCTION, AND REMOVE THEM FOLLOWING SOIL STABILIZATION AND FINAL DRESSING. INSTALL AND MAINTAIN EROSION CONTROL DEVICES AS REQUIRED BY ACTUAL SITE CONDITIONS TO REFLECT PROJECT PHASING REQUIREMENTS.
7. IF AREA OF DISTURBED SOIL IS ONE (1) ACRE OR GREATER, PREPARE AND SUBMIT A NOTICE OF INTENT FOR COVERAGE UNDER THE FDEP NPDES CONSTRUCTION GENERIC PERMIT, COMPLY WITH ALL PROVISIONS OF THAT PERMIT AND PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PER FDEP GUIDANCE.
8. DO NOT DISCHARGE DIRECTLY TO RECEIVING WATERS OR EXISTING CONVEYANCES THAT DISCHARGE TO RECEIVING WATERS OR WETLAND SYSTEMS DURING DEWATERING OPERATIONS. UTILIZE TEMPORARY SEDIMENT BASINS OR TRAPS TO COLLECT THE DISCHARGE FROM DEWATERING ACTIVITIES TO ELIMINATE THE POTENTIAL FOR OFFSITE SEDIMENT TRANSPORT.
9. ALL EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE RIGHT-OF-WAY CORRIDOR ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.
10. PROPOSED PIPE MUST BE REINFORCED CONCRETE PIPE (RCP) CLASS III UNLESS OTHERWISE NOTED ON THE PLANS.
11. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROAD BED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THOSE LOCATIONS.
12. ALL CONCRETE COLLARS AND CONCRETE JACKETS MUST BE CURED AND INSPECTED TO BE FREE OF CRACKING PRIOR TO BACKFILLING.
13. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY HAULING OR EXCAVATION EQUIPMENT MUST BE REPAIRED TO THE SATISFACTION OF FDOT AT THE CONTRACTOR'S EXPENSE.
14. ALL DISTURBED AREAS IN THE FDOT RIGHT OF WAY WILL BE SODDED.
15. ANY U.S.C. & G.S. MONUMENT WITHIN LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, PROJECT ENGINEER SHOULD NOTIFY;
DIRECTOR, NATIONAL GEODETIC SURVEY
1315 EAST-WEST HIGHWAY
SILVER SPRING, MARYLAND 20910-3282
PHONE: (301) 713-3242

UTILITY COMPANY

CONTACT

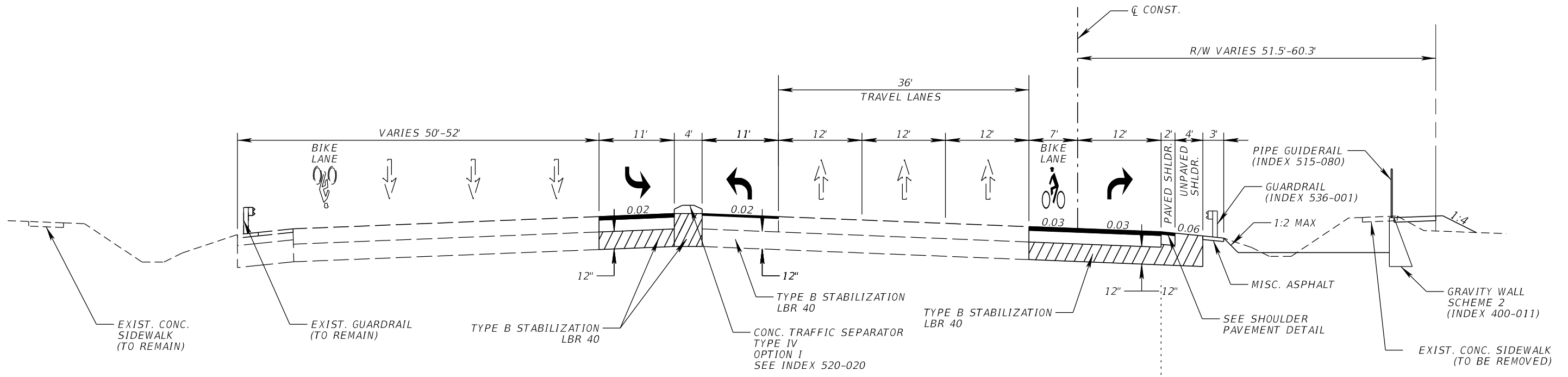
NUMBER

CHARTER COMMUNICATIONS
CITY OF TARPON SPRINGS
CLEARWATER GAS
DUKE ENERGY
FRONTIER COMMUNICATIONS
MCI/VERIZON
PINELLAS COUNTY PUBLIC WORKS
PINELLAS COUNTY UTILITIES
ZAYO GROUP

OZZIE PEREZ
PAUL HOPKINS
PATRICK ALLEN
VIVIAN CASTRO-CINTRON
TONI CANNON
JAMES BARRA
JAMES JOHNSON
JENELLE OSTROWSKI
HENRY KLOBUCAR

727-270-4602
727-942-5606 X2601
727-562-4900 X7424
407-504-7330
813-875-1014
813-928-9881
727-464-8981
727-464-4068
406-496-6510

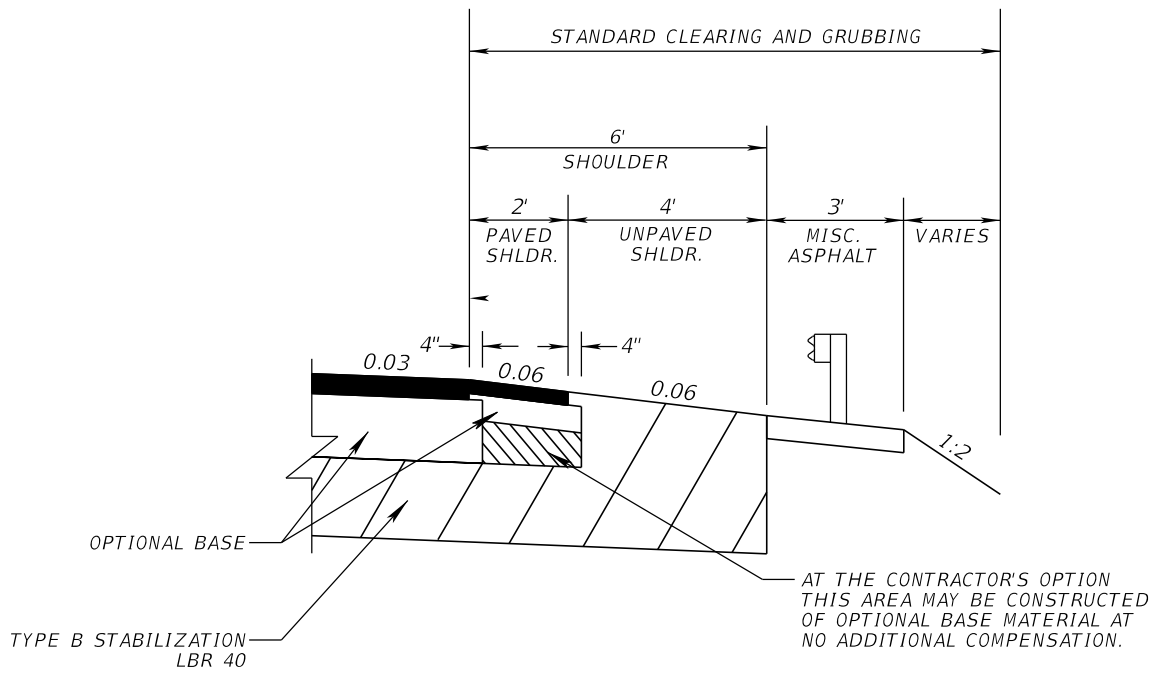
REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		3
					55	PINELLAS			



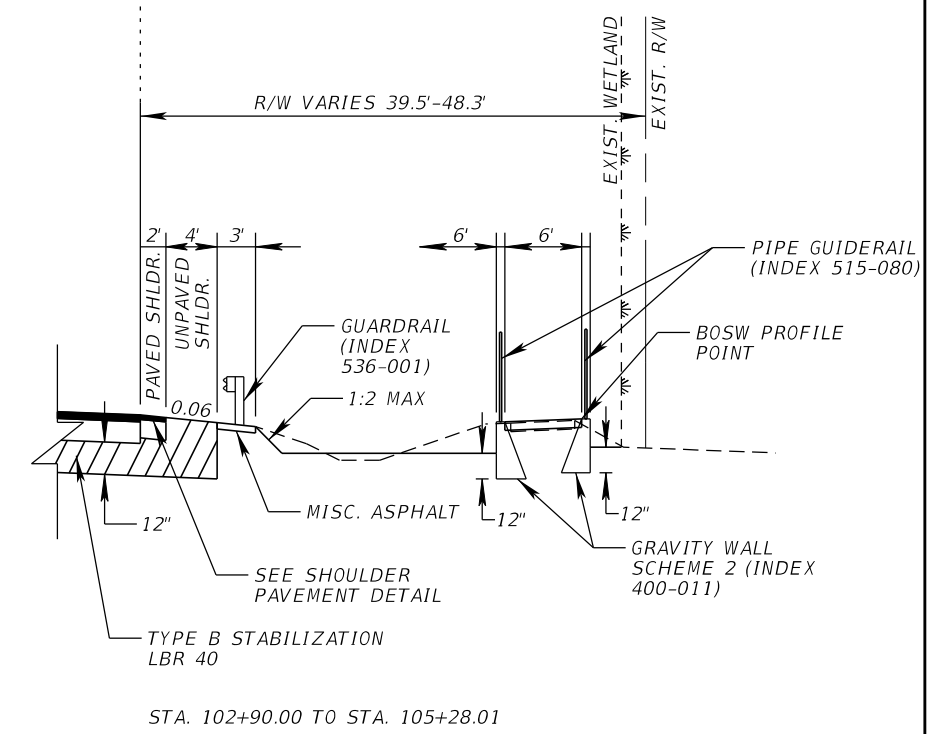
TYPICAL SECTION
US 19
STA. 101+02.57 TO STA. 109+67.65

MILLING
MILL EXISTING ASPHALT FOR DEPTH (3/4")
RESURFACING
FRICTION COURSE FC-5 (3/4") (PG 76-22)
WIDENING
OPTIONAL BASE GROUP 10 WITH TYPE SP STRUCTURAL COURSE (TRAFFIC C) (4") AND FRICTION COURSE FC-5 (3/4")
SHOULDER PAVEMENT
OPTIONAL BASE GROUP 1 WITH TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1.5") AND FRICTION COURSE FC-5 (3/4")

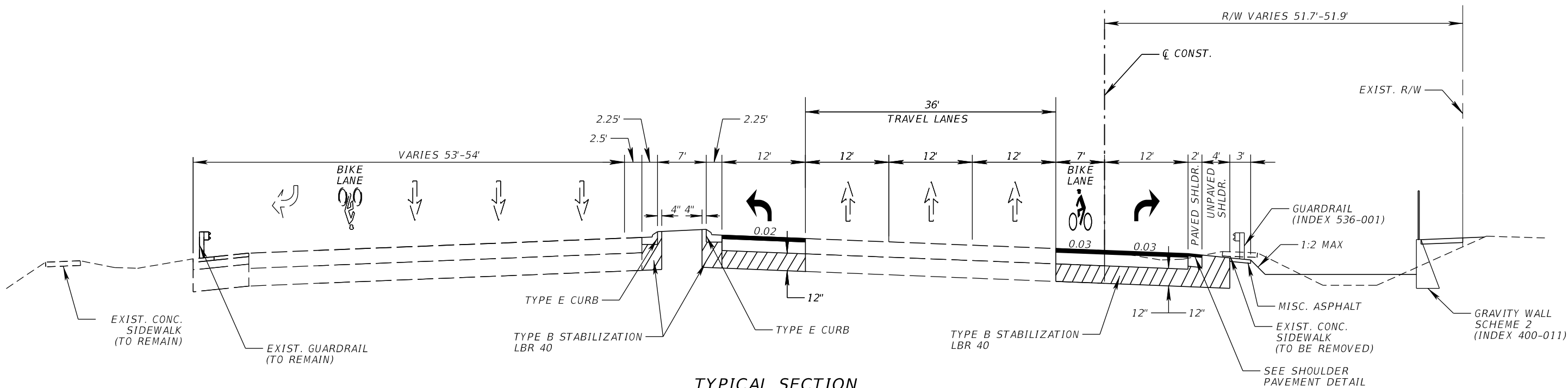
TRAFFIC DATA
CURRENT YEAR = 2018 AADT = 22800
ESTIMATED OPENING YEAR = 2020 AADT = 25800
ESTIMATED DESIGN YEAR = 2040 AADT = 30600
K = 6% D = 55% T = 2% (24 HOUR)
DESIGN HOUR T = 1%
DESIGN SPEED = 55 MPH



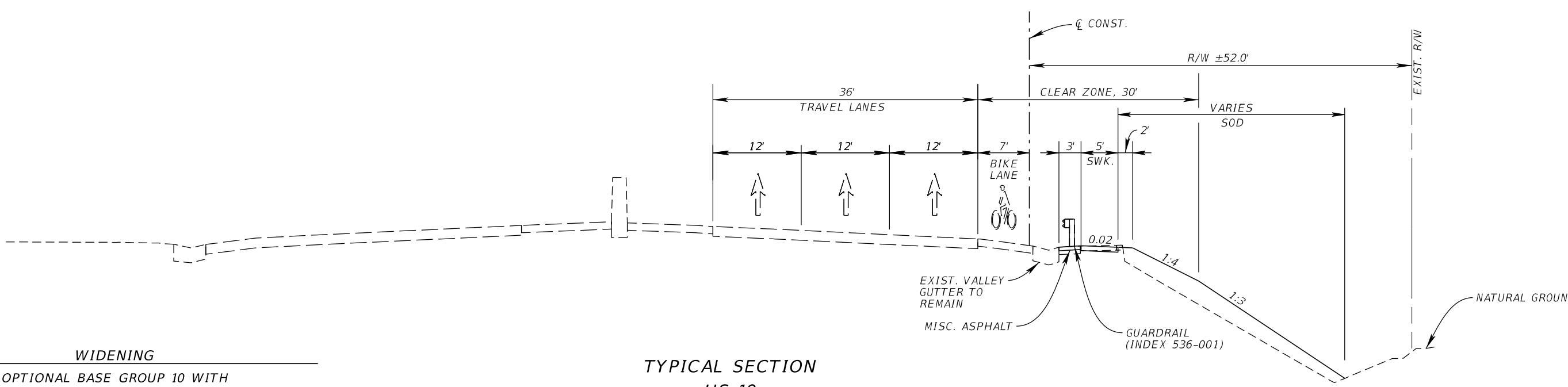
SHOULDER PAVEMENT DETAIL



REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTIONS	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			



TYPICAL SECTION
US 19
STA. 109+67.65 TO STA. 116+07.74



TYPICAL SECTION
US 19
STA. 116+07.74 TO STA. 116+83.68

WIDENING

OPTIONAL BASE GROUP 10 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (4")
AND FRICTION COURSE FC-5 (¾")

TRAFFIC DATA

CURRENT YEAR = 2018 AADT = 22800
ESTIMATED OPENING YEAR = 2020 AADT = 25800
ESTIMATED DESIGN YEAR = 2040 AADT = 30600
K = 6% D = 55% T = 2% (24 HOUR)
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DESIGN SPEED = 55 MPH

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			5

- 1

OUTFALL
18" CMP
INV EL W=15.99'

2

CONC HEADWALL
TOP EL=14.53'
TOP WEIR=13.87' (13'W)
TOP SKIMMER=14.46' (1'H)

3

GRATE INLET
GRATE EL=27.86'
18" CMP
INV EL E=23.45'

4

CONC HEADWALL
TOP EL=11.59
24" RCP
INV EL W=8.32'

5

BOX CULVERT
(32'Wx11.8'T)
TOP OF WALL=26.7'-27.1'
TRAIL EL AT OPENING=12.6'

6

CONC HEADWALL
24" RCP
INV EL E=8.11'

7

DMH
RIM EL=12.55'
24" RCP
INV EL E=8.49'
24" RCP
INV EL W=8.47'

8

CONC HEADWALL
TOP EL=10.44'
24" RCP
INV EL W=7.36'

9

GRATE INLET
GRATE EL=24.21'
18" RCP
INV EL N=20.61'

10

MES
18" RCP
INV EL W=3.90'

11

GRATE INLET
GRATE EL=17.43'
18" RCP
INV EL N=13.93'
18" RCP
INV EL S=13.94'

12

CONTROL STRUCTURE
GRATE EL=4.94'
TOP SKIMMER=5.57' (1.1'H)
24" RCP
INV EL N=0.79'

13

GRATE INLET
GRATE EL=14.44'
18" RCP
INV EL E=4.61'
18" RCP
INV EL S=10.73'

14

MES
24" RCP
INV EL S=0.80'

15

CONC HEADWALL
TOP EL=4.75'
TOP WEIR=4.1' (14.5'W)
TOP SKIMMER=4.61' (1'H)

16

CONC HEADWALL
TOP EL=5.40'
84"x68" ERCP
INV EL W=(-)1.23'

17

CONC HEADWALL
TOP EL=3.5'-3.6'
84"x68" ERCP
INV EL E=(-)2.13'

18

MES
18" RCP
INV EL=0.97'

19

MES
18" RCP
INV EL=0.72'

20

CONTROL STRUCTURE
GRATE EL=5.72'
TOP SKIMMER=5.66', (1'H)
SLOT EL=5.06' (4.1'W)
18" RCP
IE S=1.04'

21

CONTROL STRUCTURE
GRATE EL=5.29'
WEIR EL=4.60' (4'W)
TOP SKIMMER=5.21' (1.2'H)
18" RCP
INV EL S=0.91'

22

GRATE INLET
GRATE EL=11.00'
18" RCP
INV EL N=7.27'
18" RCP
INV EL E=5.74'

23

GRATE INLET
GRATE EL=11.51'
XX" RCP
INV EL X=XX.XX'

24

MES
18" RCP
INV EL W=5.21'

25

GRATE INLET
GRATE EL=12.57'
18" RCP
INV EL XX=XX.XX'

26

CONC HEADWALL
TOP EL=6.52'
TOP WEIR=5.85' (14.4'W)
TOP SKIMMER=6.45' (1'H)

27

GRATE INLET
GRATE EL=11.78'
18" RCP
INV EL N=8.62'
18" RCP
INV EL S=8.61'

28

GRATE INLET
GRATE EL=14.34'
18" RCP
INV EL S=11.20'



LEGEND

#

EXISTING STRUCTURE

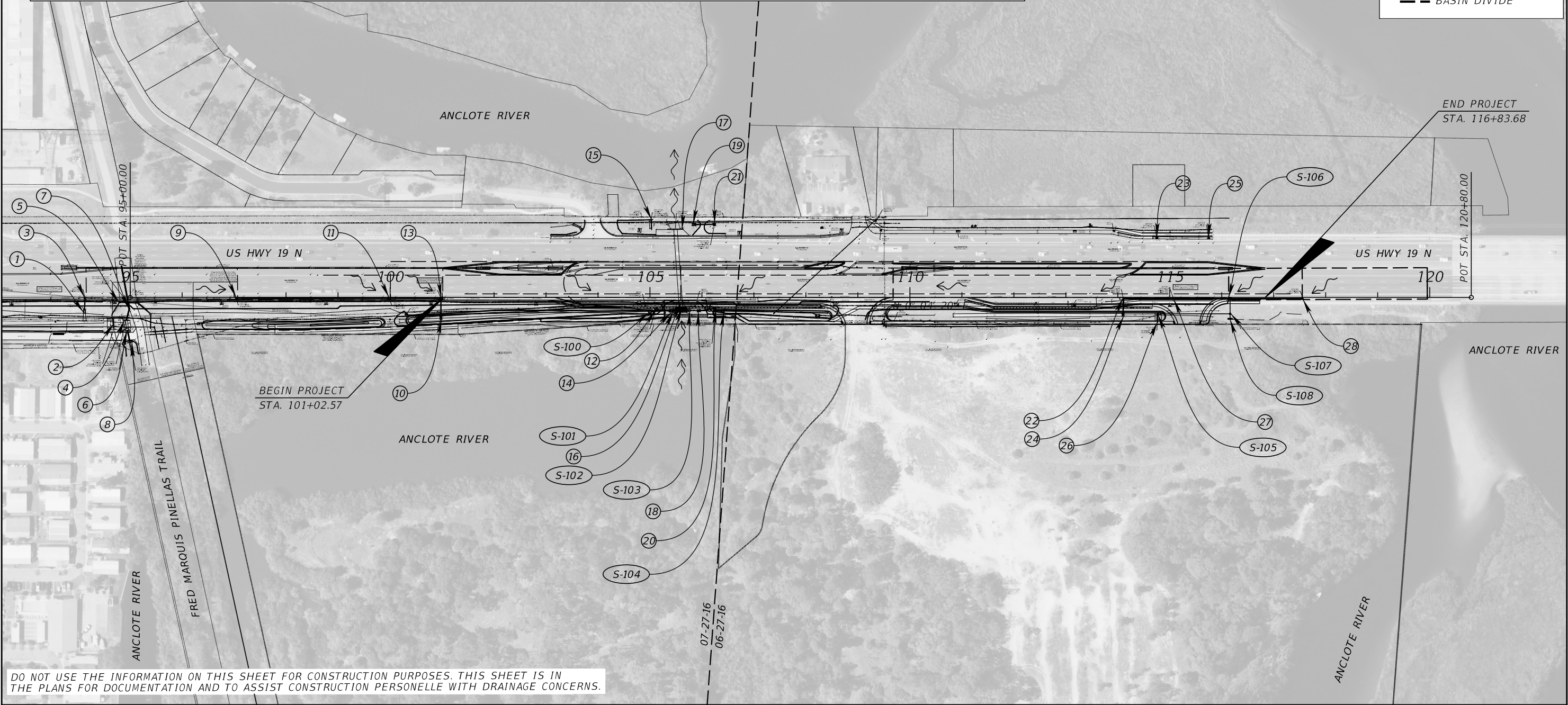
S-XXX

PROPOSED STRUCTURE

→

FLOW DIRECTION

BASIN DIVIDE



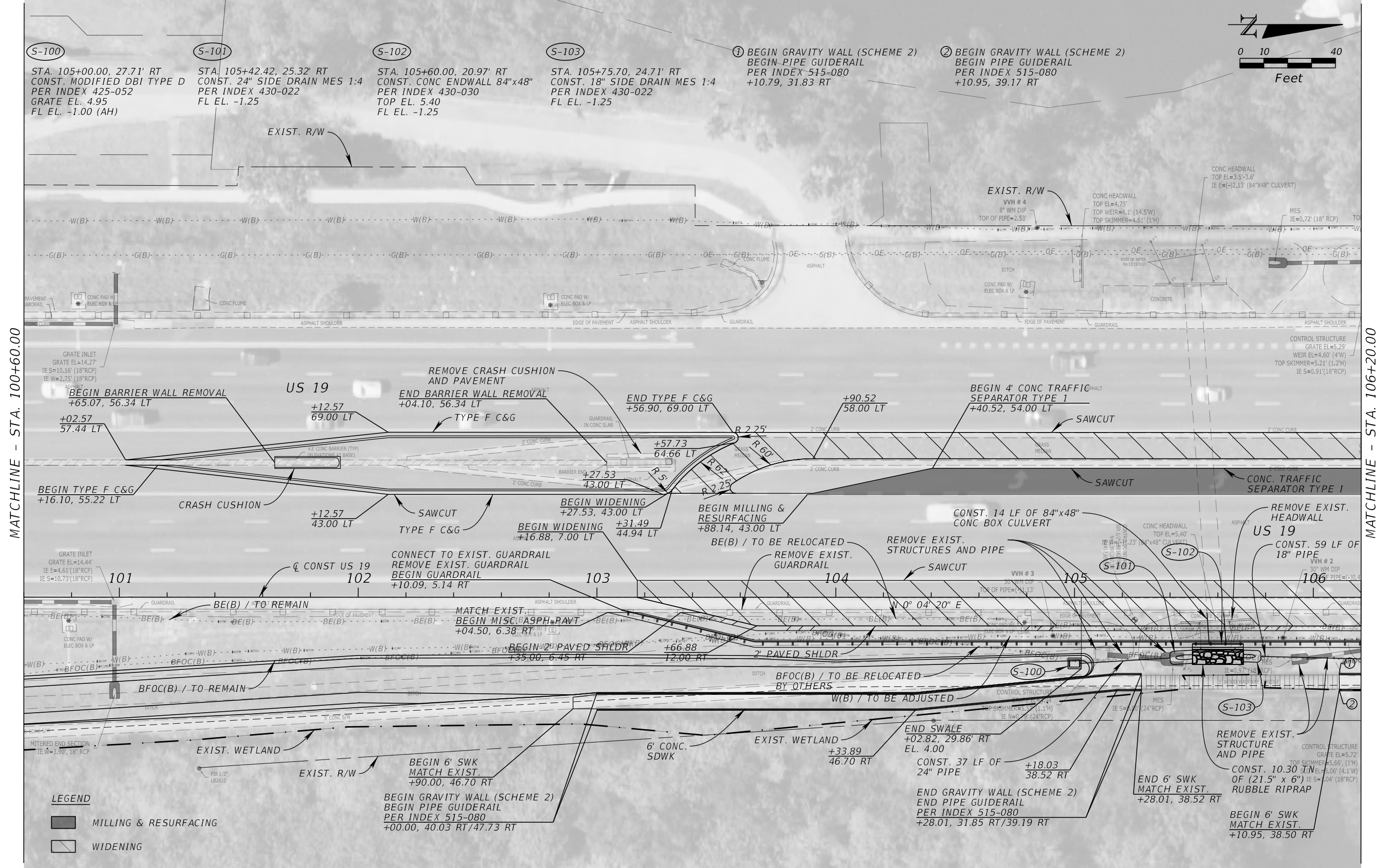
DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONELLE WITH DRAINAGE CONCERNS.

REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE MAP	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		6
					55	PINELLAS			

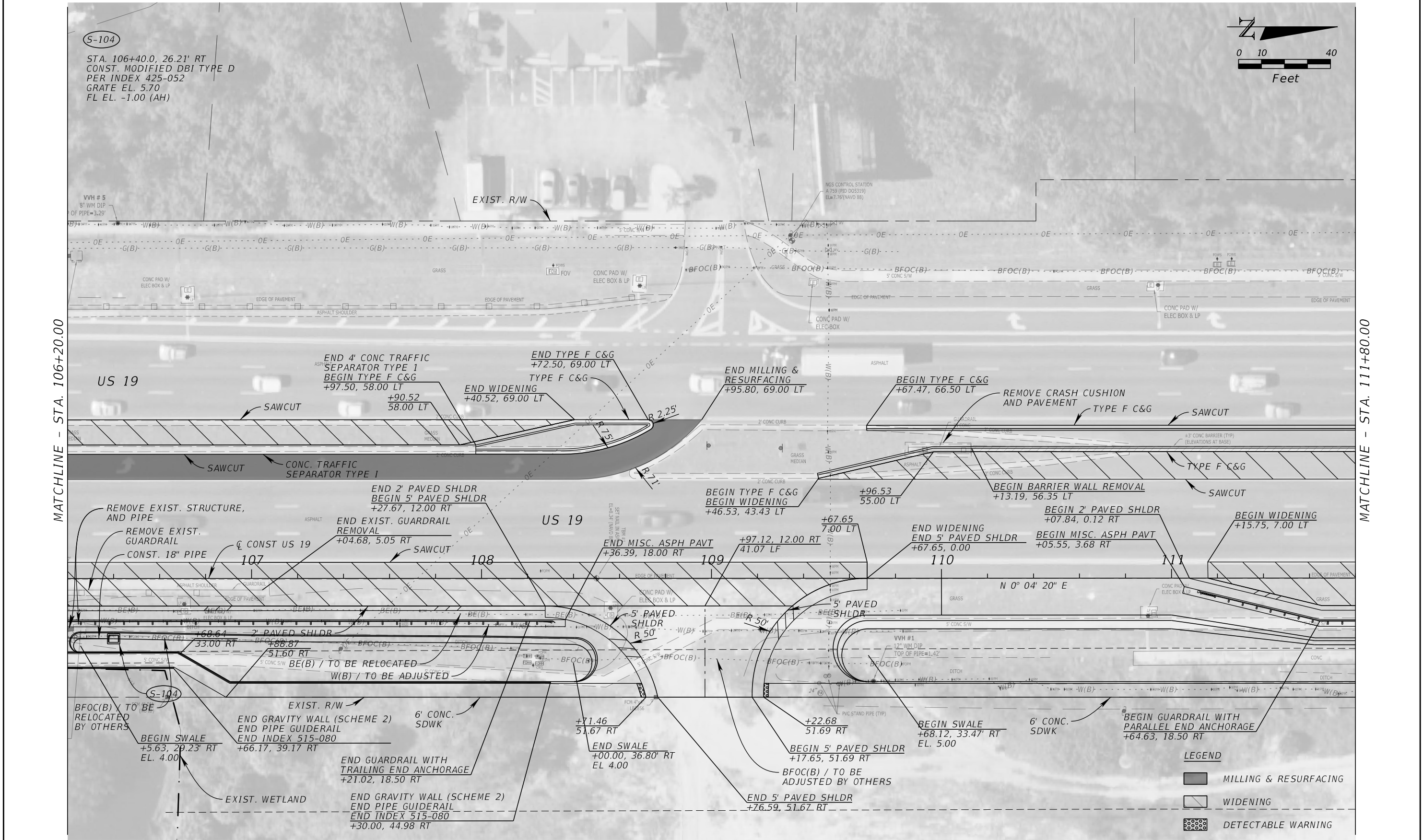


MATCHLINE - STA. 100+60.00

REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			7

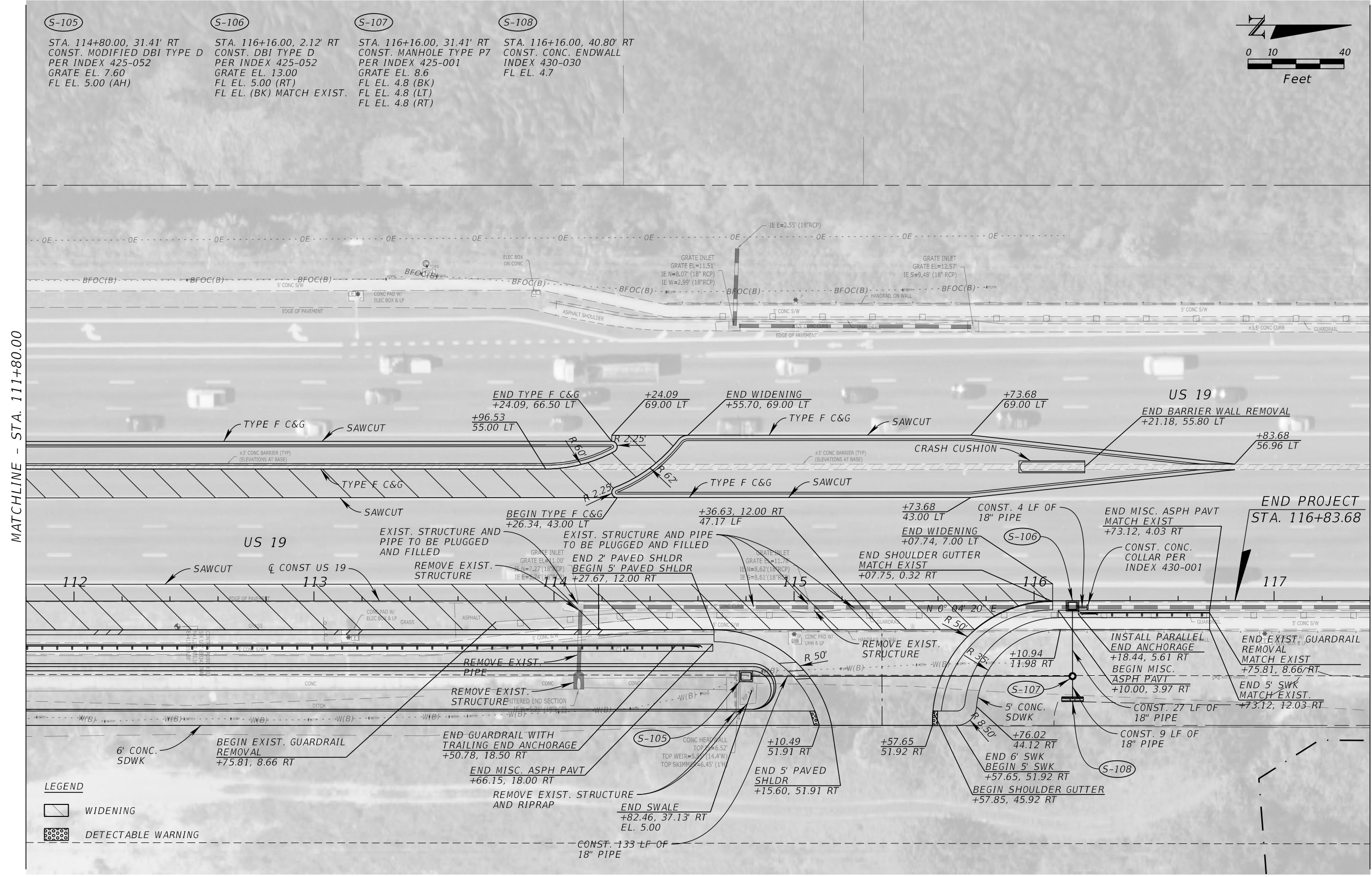


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			



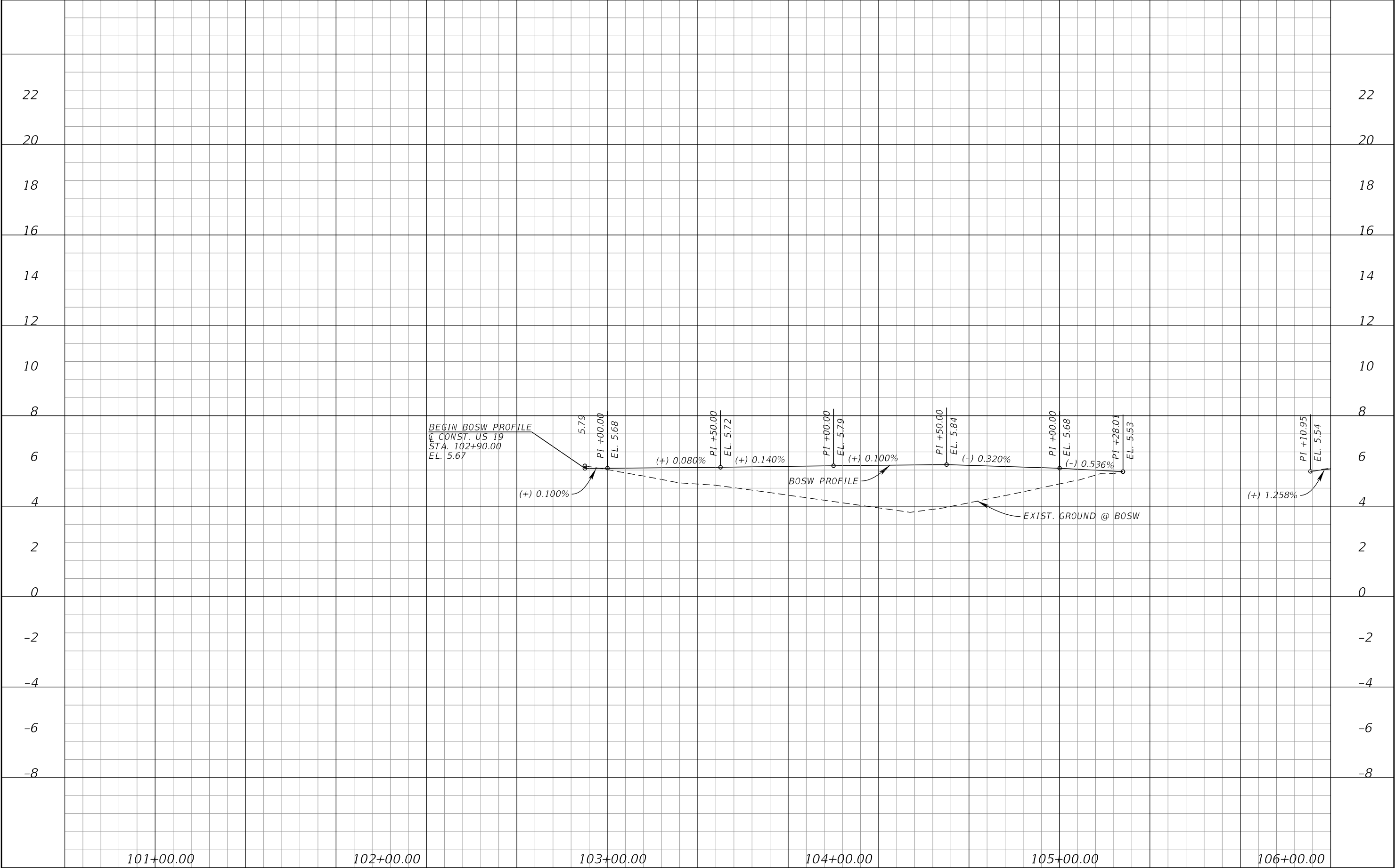
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			

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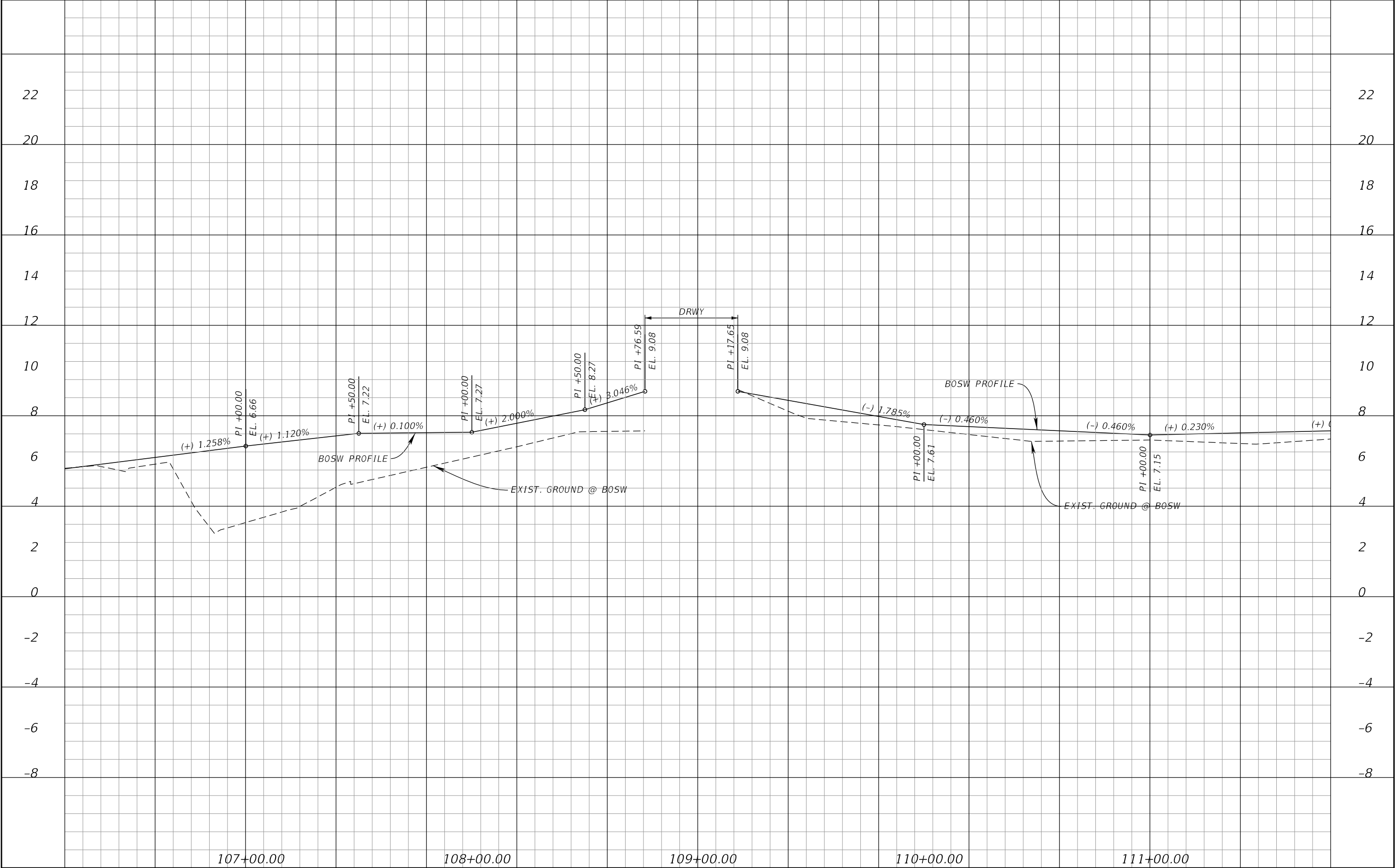


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			

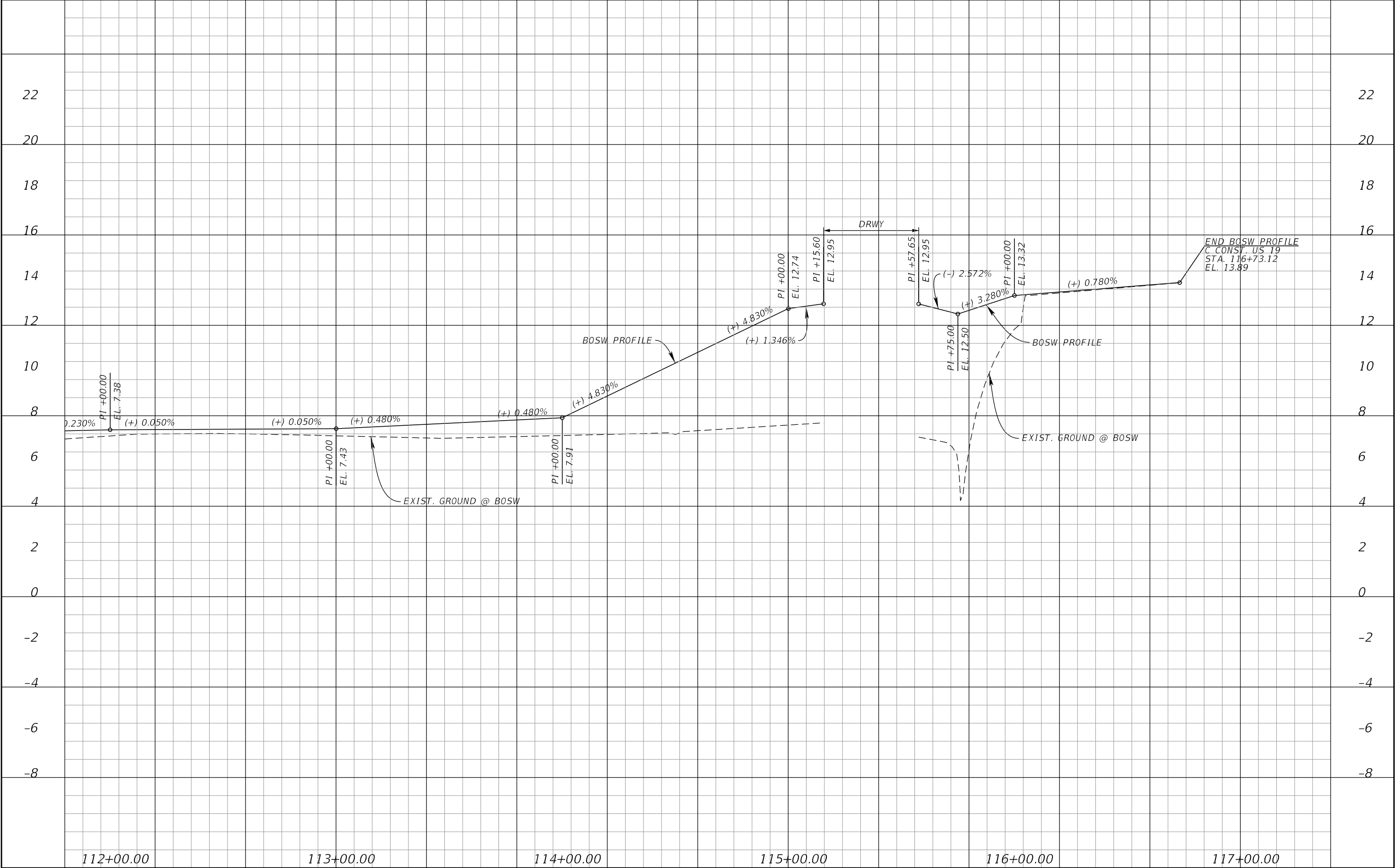
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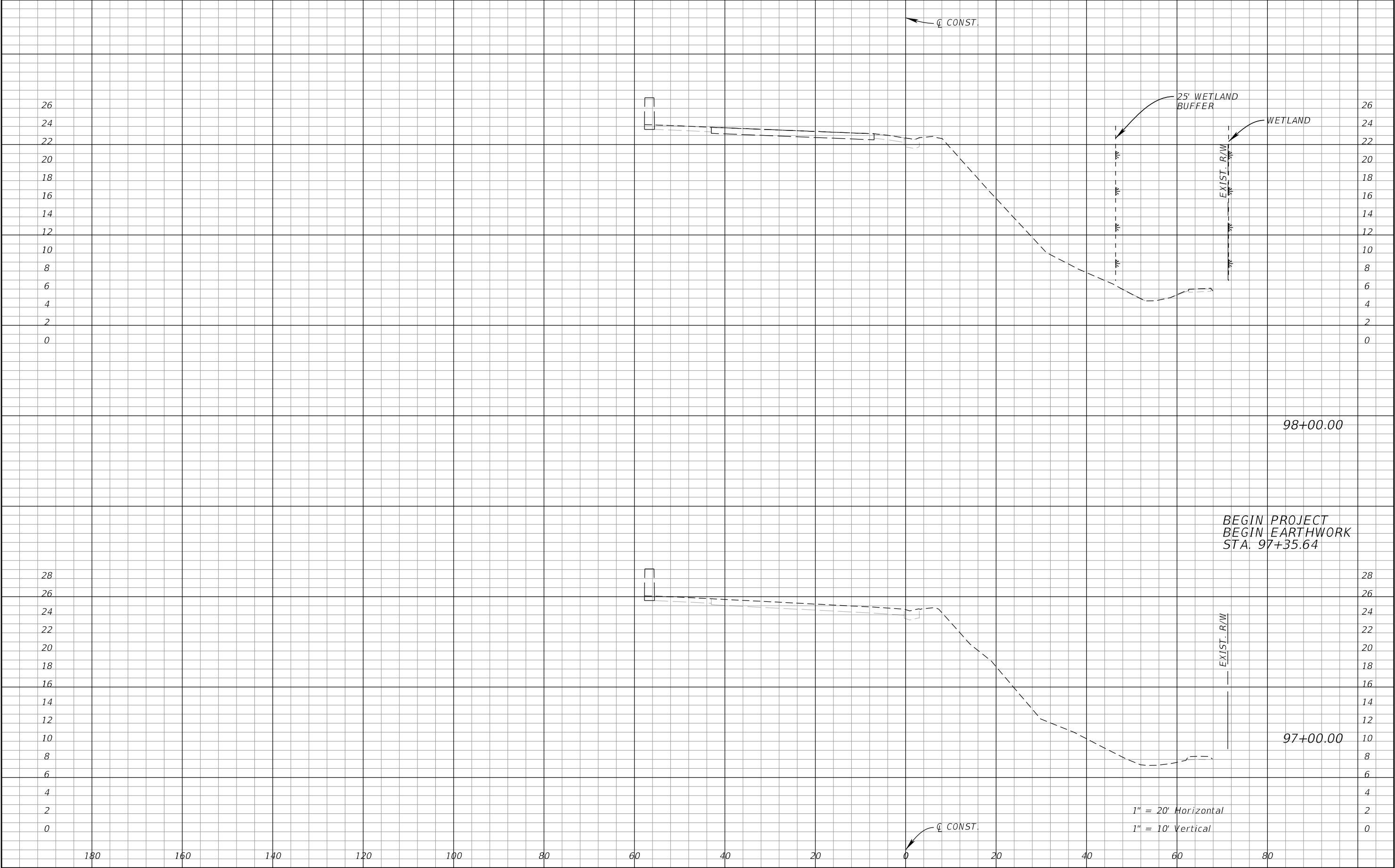
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			11



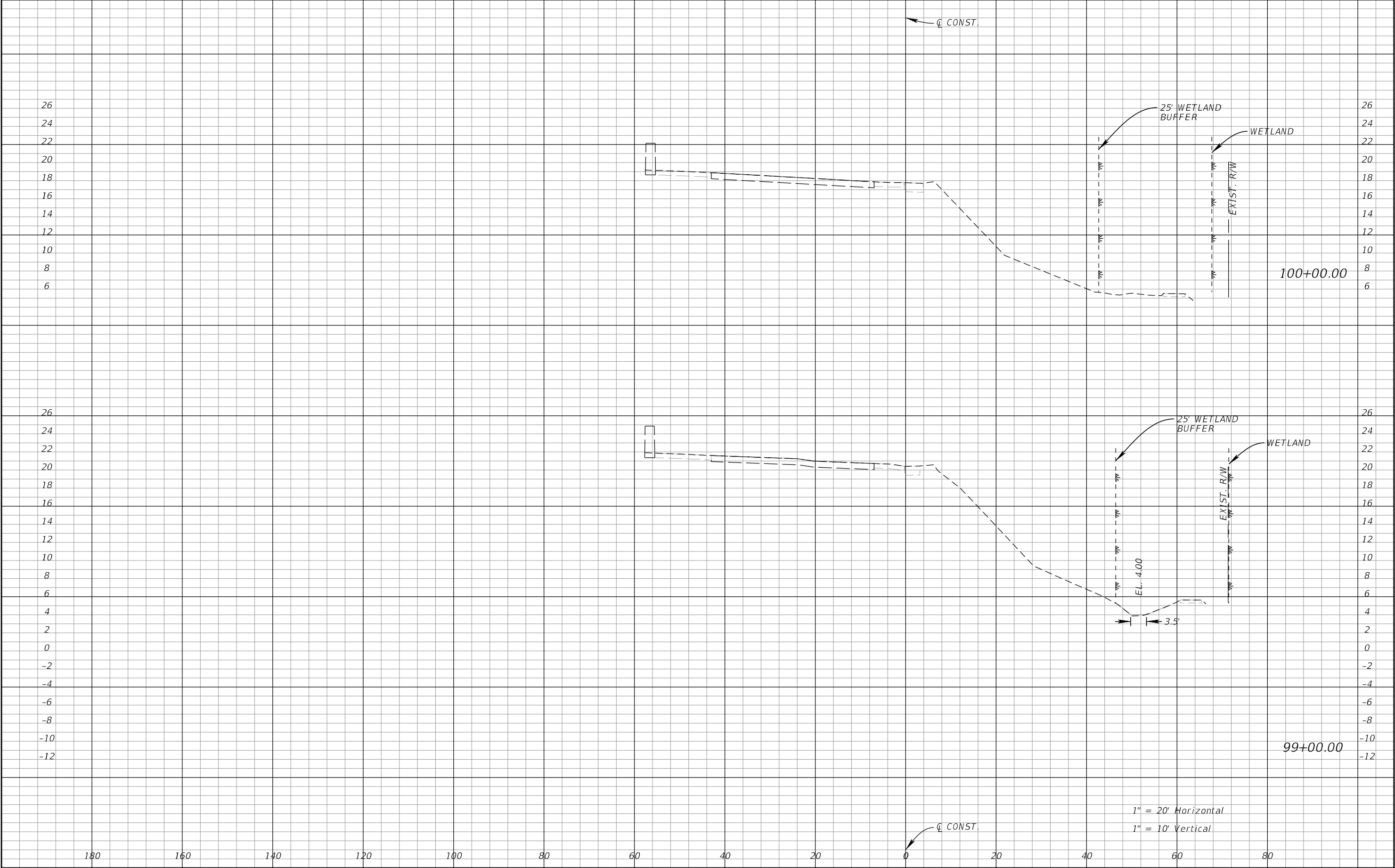
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					55	PINELLAS			



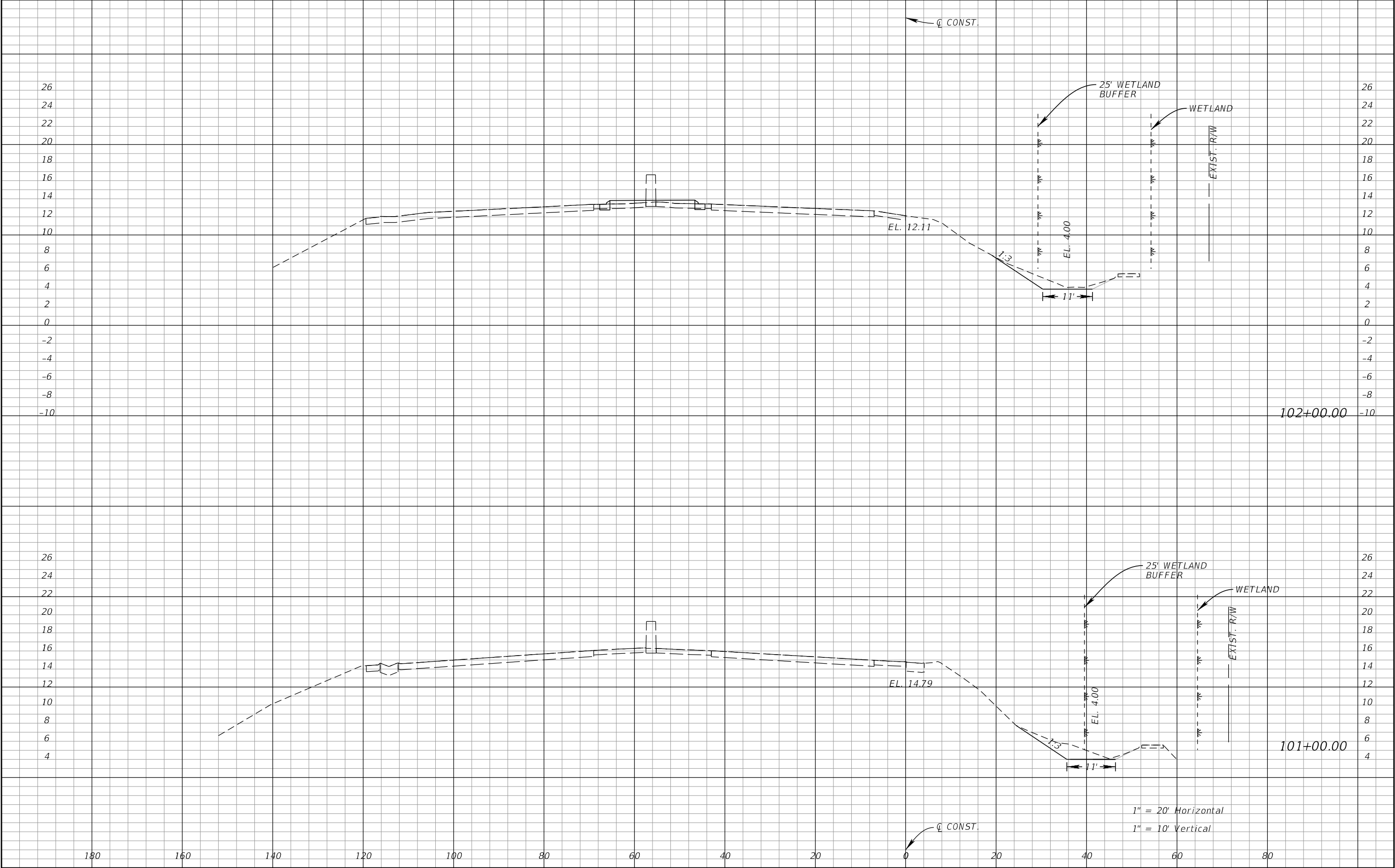
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					55	PINELLAS			13



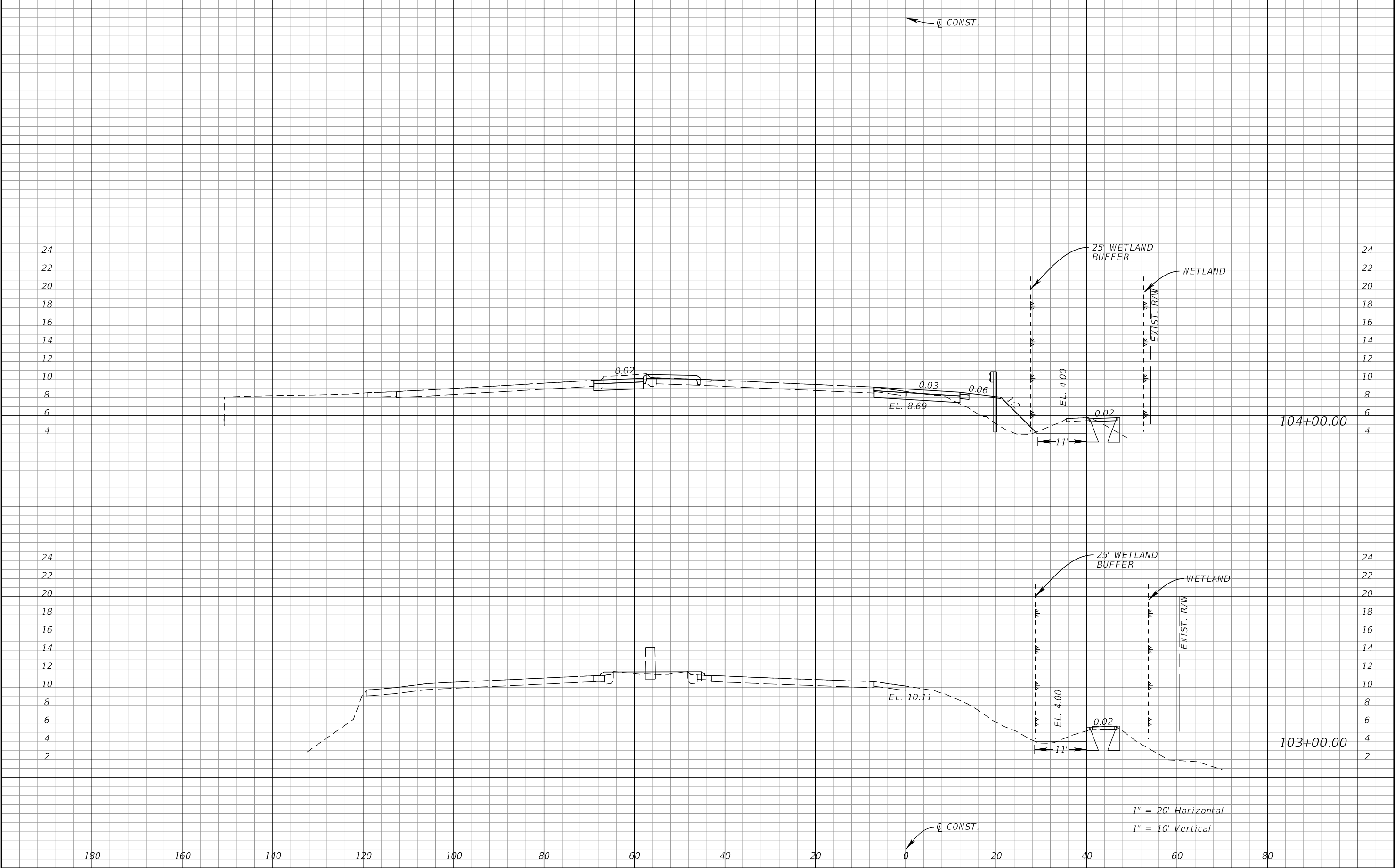
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			14



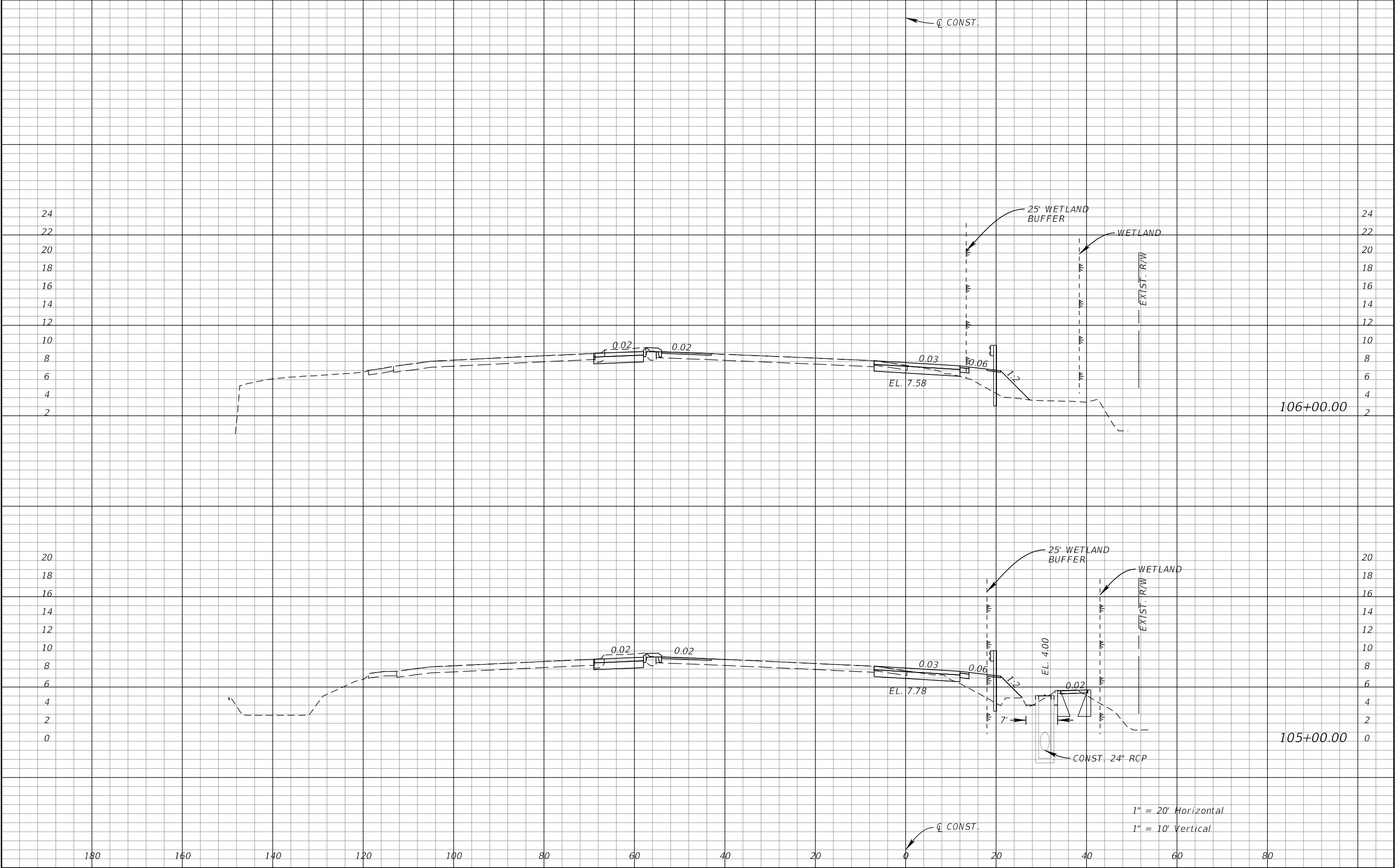
REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES, INC. 655 N FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			15



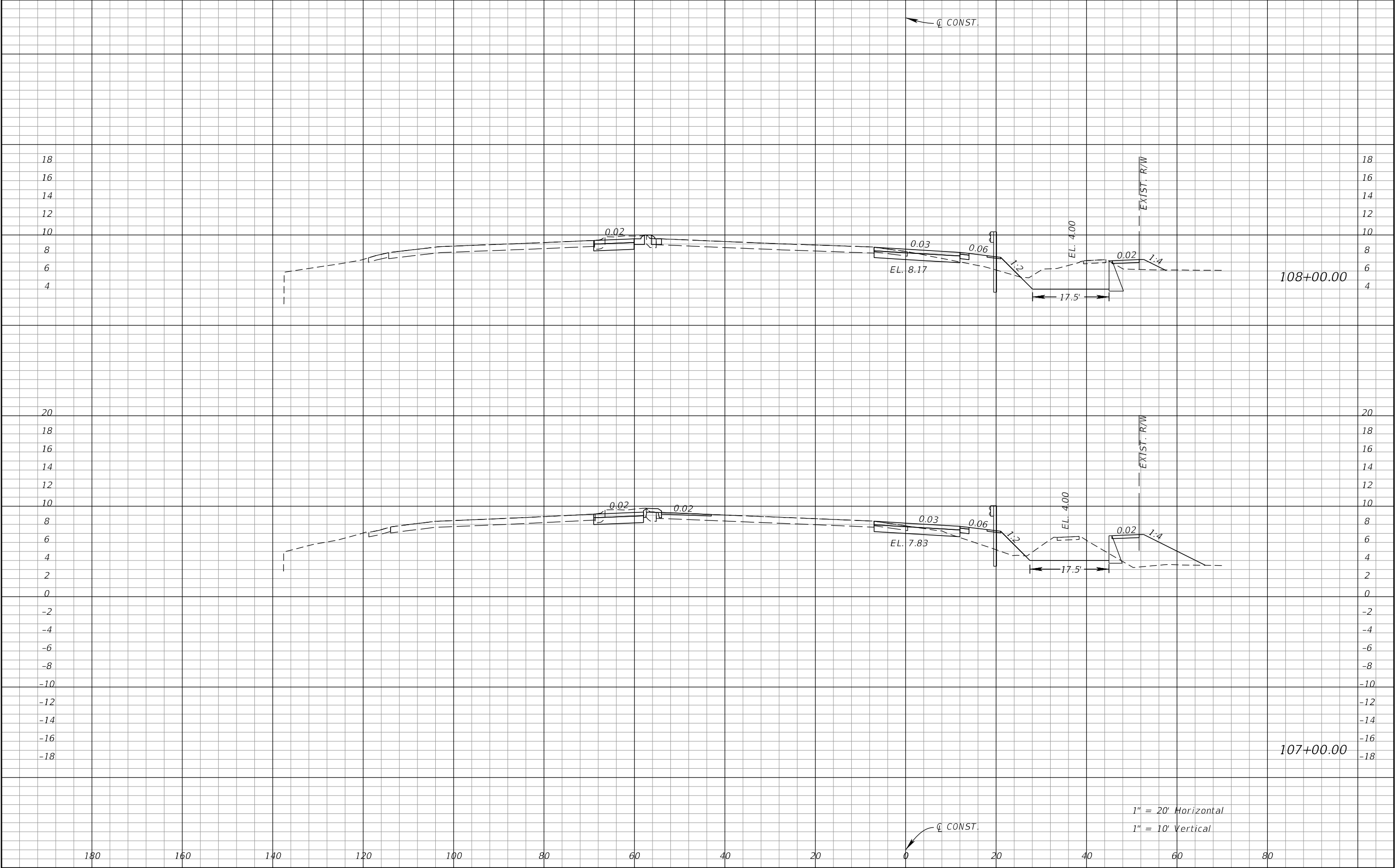
REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES, INC. 655 N FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			16



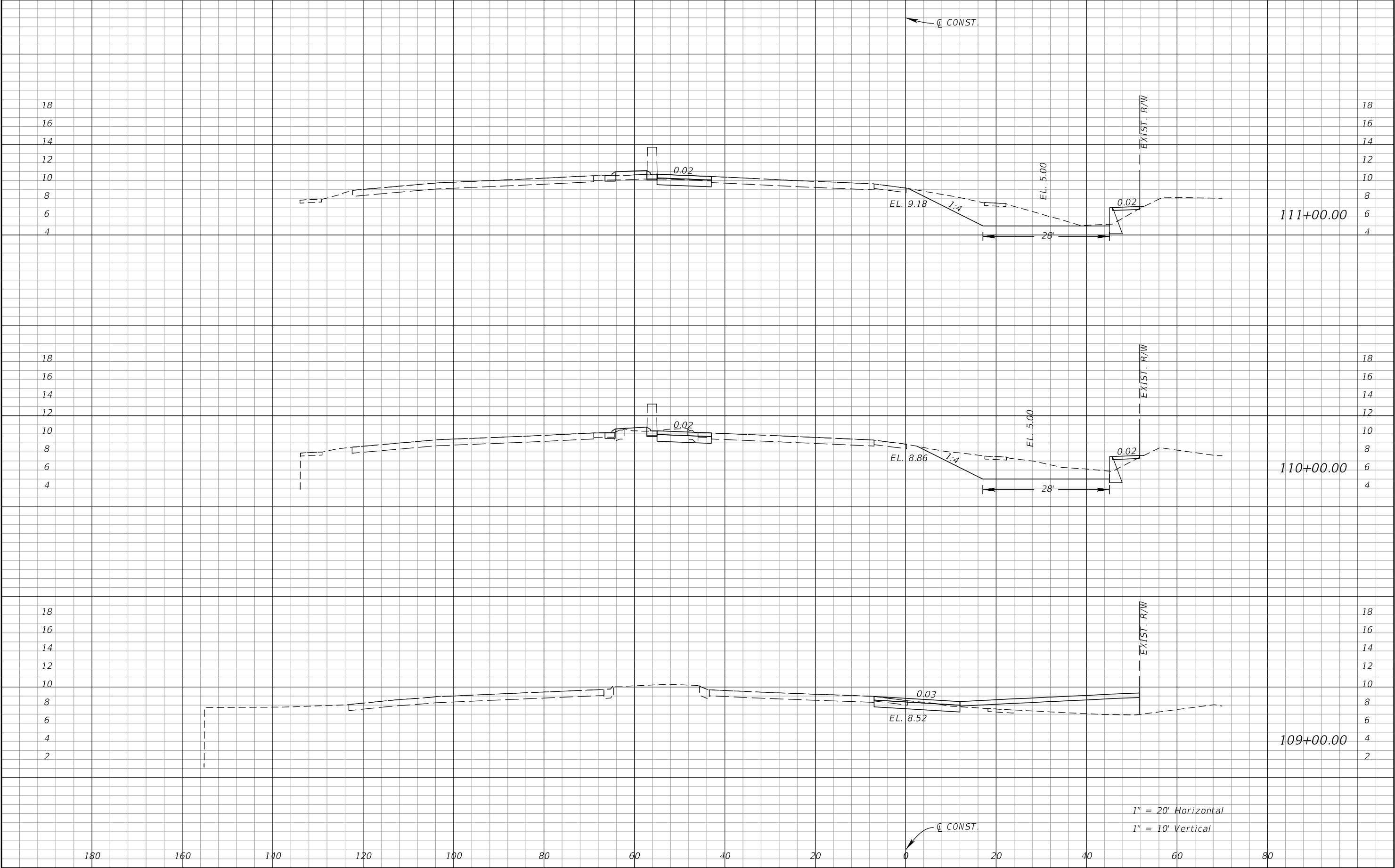
REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES, INC. 655 N FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			17



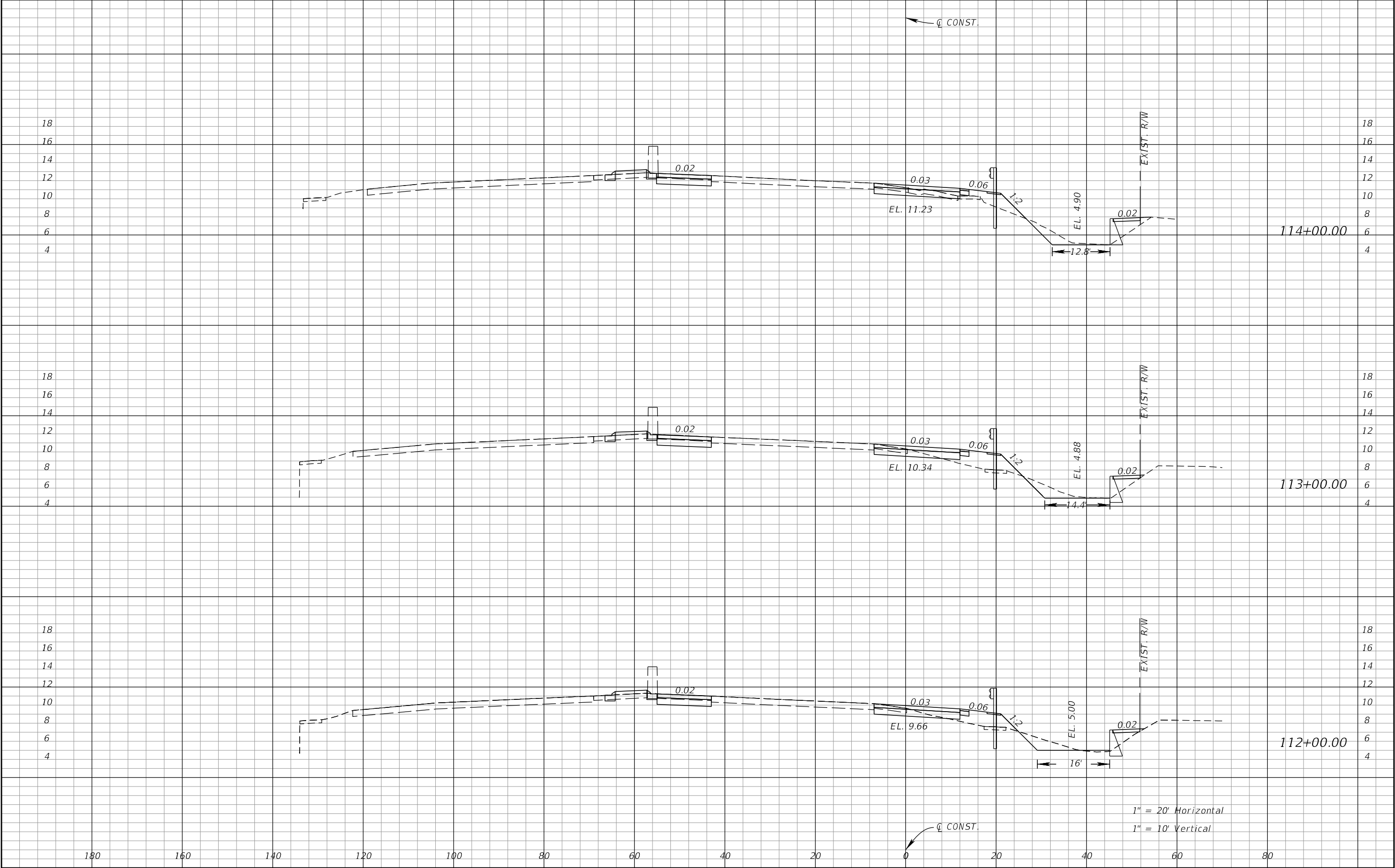
REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES, INC. 655 N FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			18



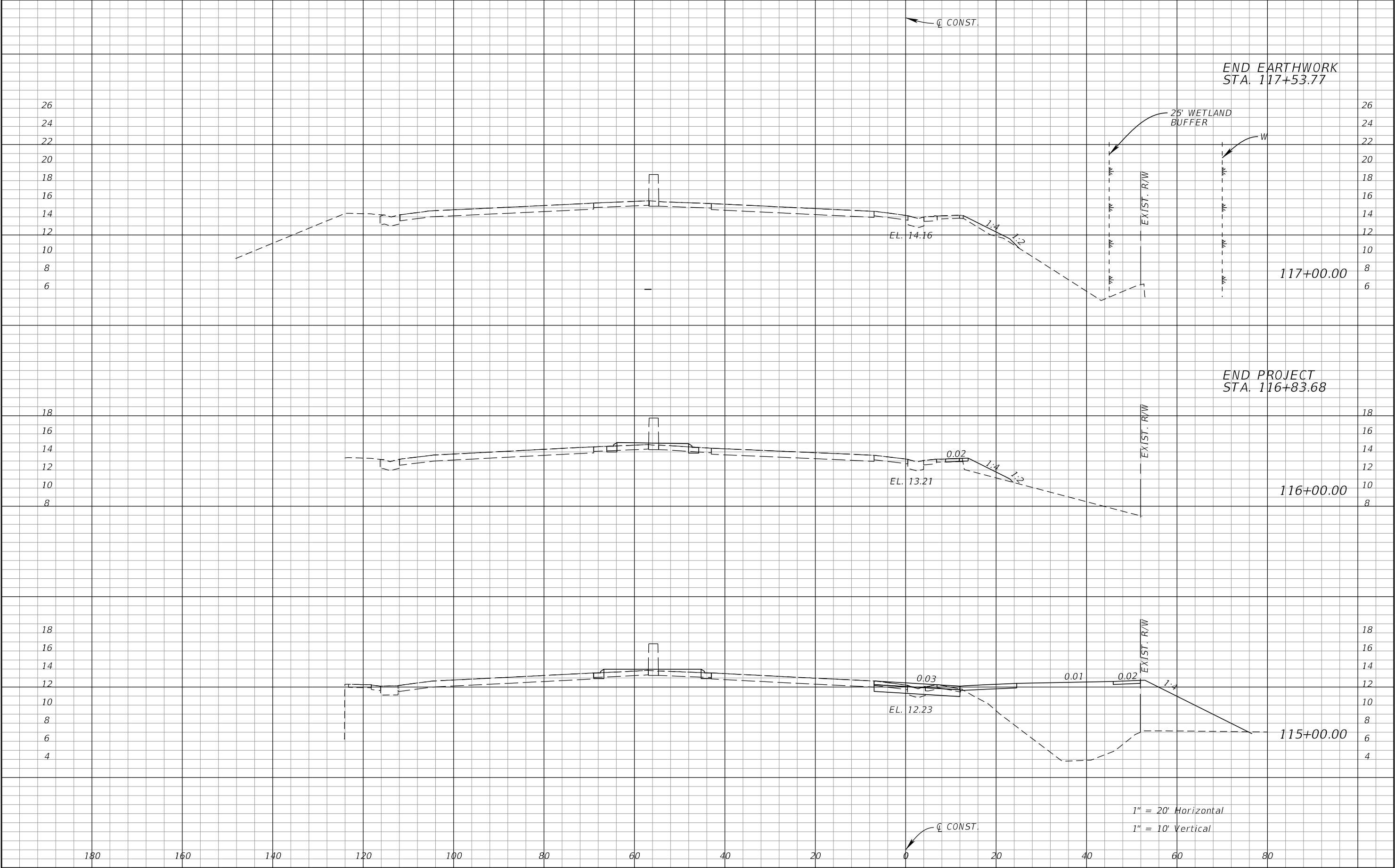
REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES, INC. 655 N FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			19



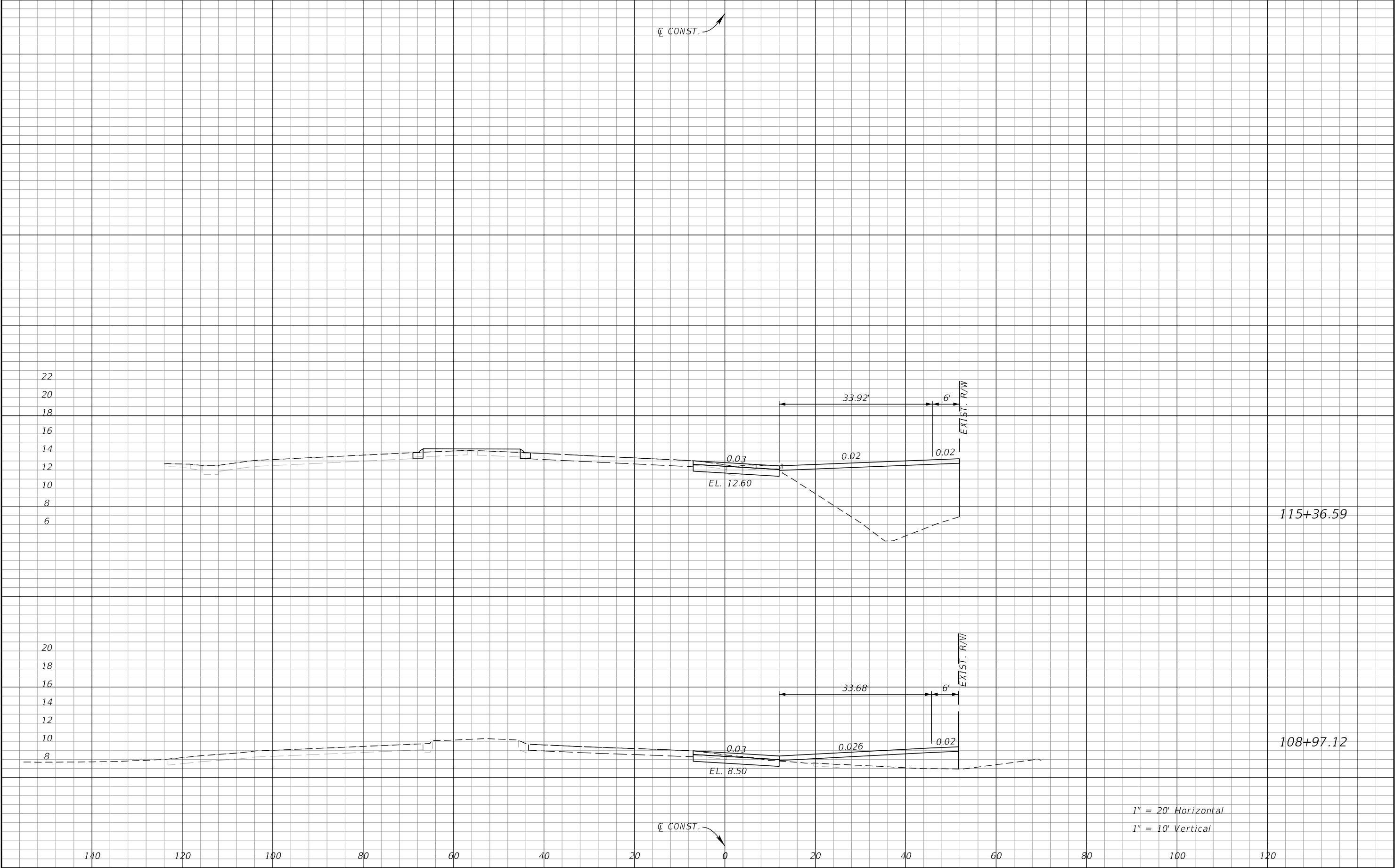
REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES, INC. 655 N FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			20



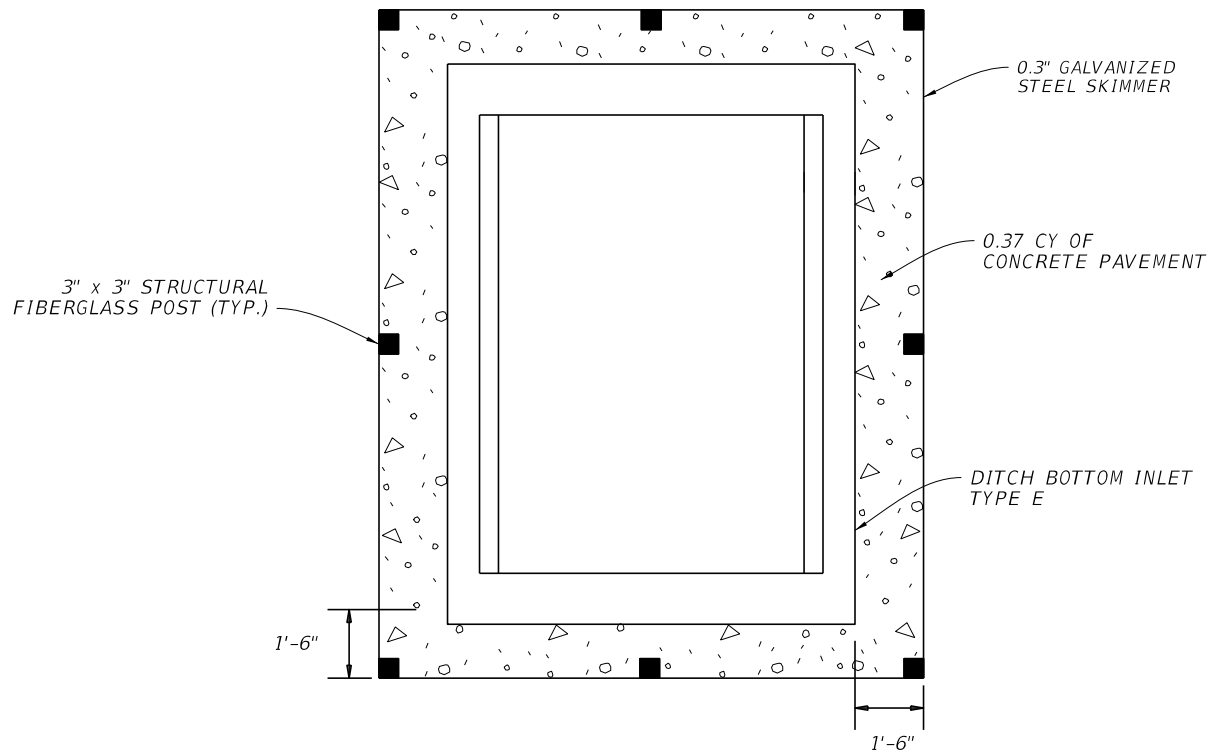
REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES, INC. 655 N FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			21



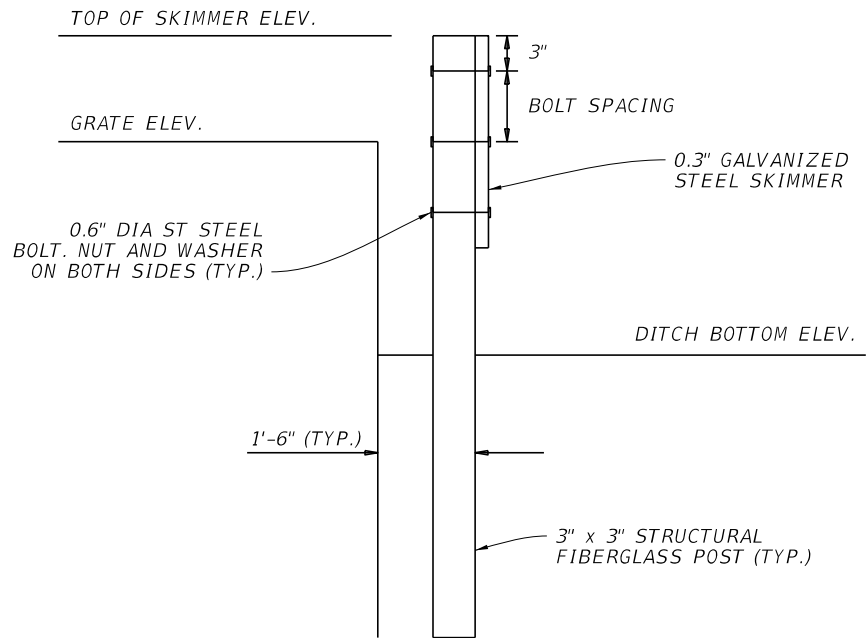
REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES, INC. 655 N FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			22



REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES, INC. 655 N FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRIVEWAY HALF SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			23



PLAN



ELEVATION

STRUCTURE NUMBER	DITCH BOTTOM ELE. (FT)	GRATE ELE. (FT)	TOP OF SKIMMER ELE. (FT)	BOLT SPACING (IN)
S-100	4.00	5.1	5.6	3
S-105	5.00	5.9	6.4	3

GENERAL NOTES:

- HOT DIP GALVANIZE THE PANELS AND FLAT BARS AFTER FABRICATION.
- COST OF SKIMMER TO BE INCLUDED IN THE COST OF STRUCTURE.
- SOD IS INCLUDED IN THE COST OF STRUCTURE.

DBI WITH SKIMMER

REVISIONS				VICTOR GALLO P.E. P.E. LICENSE NUMBER 75592 KIMLEY-HORN AND ASSOCIATES 189 SOUTH ORANGE AVE, SUITE 1000 ORLANDO, FL 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE DETAIL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			24

2.c.4 Fertilizers and Pesticides:

In the Section 104 Erosion Control Plan, the Contractor shall describe the procedures for applying fertilizers and pesticides. The proposed procedures shall comply with applicable subsections of either Section 570 or 577 of the Specifications.

2.c.5 Toxic/Hazardous Substances:

In the Section 104 Erosion Control Plan, the Contractor shall provide to the Engineer and the Owner's Representative current copies of Safety Data Sheets (SDS's) for all toxic/hazardous substances and materials that Contractor plans to use on the job and provide a plan addressing the generation, application, migration and storage of these substances. Contractor to categorize, label and temporarily store all waste toxic/hazardous substances for further management and disposal by Property Owner. Contractor will be charged for Owner's costs to manage and dispose of all hazardous and regulated substances.

2.d Approved State and Local Plans and Permits:

- * SWFWMD Environmental Resource Permit
- * NPDES

3.0 MAINTENANCE:

In the Section 104 Erosion Control Plan, the Contractor shall provide a plan for maintaining all erosion and sediment controls throughout construction. The maintenance plan shall at a minimum, comply with the following:

- * Sediment Barrier shall be replaced when it is no longer effective or as directed by the Engineer.
- * Stabilized construction entrances shall be maintained to prevent clogging of rock bedding which may impede the usefulness of the structure.

4.0 INSPECTIONS:

The Contractor shall inspect the following items at least once every seven calendar days and within 24 hours of the end of a storm that is 0.50 inches or greater. To comply, the Contractor shall install and maintain rain gages and record daily rainfall. Where sites have been permanently stabilized, inspections shall be conducted at least once every month. The Contractor shall also inspect that controls installed in the field agree with the latest Stormwater Pollution Prevention Plan.

- * Disturbed areas of the site that have not been finally stabilized.
- * Areas used for storage of materials that are exposed to precipitation.
- * Structural controls.
- * Stormwater management systems.
- * Locations where vehicles enter or exit the site.

The Contractor shall initiate repairs within 24 hours of inspections that indicate items are not in good working order.

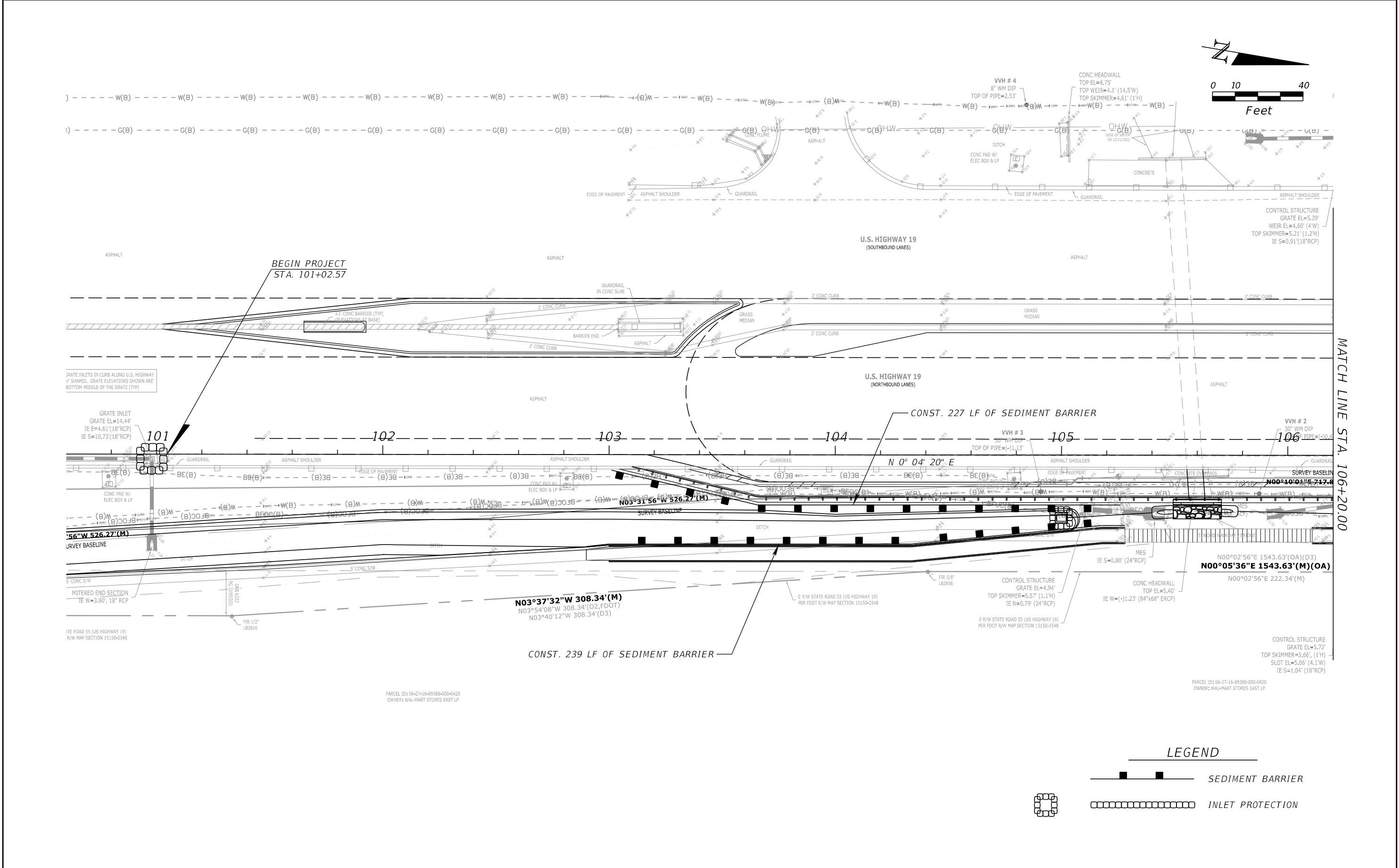
If inspections indicate that the installed stabilization and structural practices are not sufficient to minimize erosion, retain sediment, and prevent discharging pollutants, the Contractor shall provide additional measures, as approved by the Engineer.

5.0 NON-STORMWATER DISCHARGES:

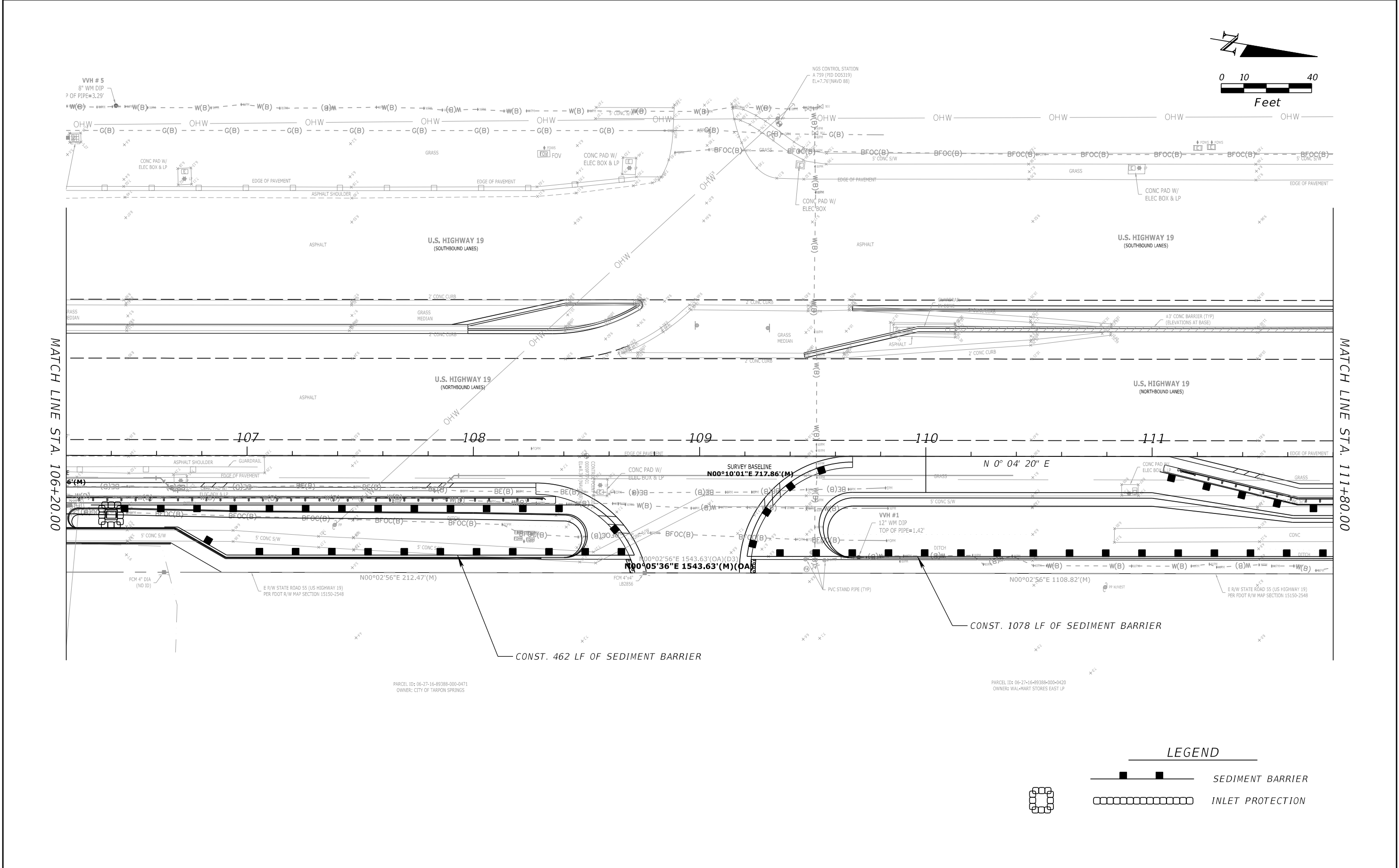
In the Section 104 Erosion Control Plan, the Contractor shall identify all anticipated non-stormwater discharges (except flows from fire fighting activities). The Contractor shall describe the proposed measures to prevent pollution of these non-stormwater discharges such as:

- * Dust Control
The Contractor shall develop in Section 104 Erosion Control Plan a dust control plan and remedial action to correct any malfunctioning measures.
- * Equipment Washout
The Contractor shall develop in Section 104 Erosion Control Plan an effective plan to control equipment washout and other erosive conditions from equipment cleaning processes, and remedial action to correct any malfunctioning measures.
- * Hazardous Material Spill
The Contractor shall develop in Section 104 Erosion Control Plan an effective plan to control in the event any hazardous materials should spill. Contractor to immediately notify the Engineer and Owner's Representative in the event of any release or spill of a hazardous material or regulated substance. Contractor to take all appropriate immediate steps to minimize the impact of such release or spill if it is safe to do so. Owner will direct all subsequent remedial actions.

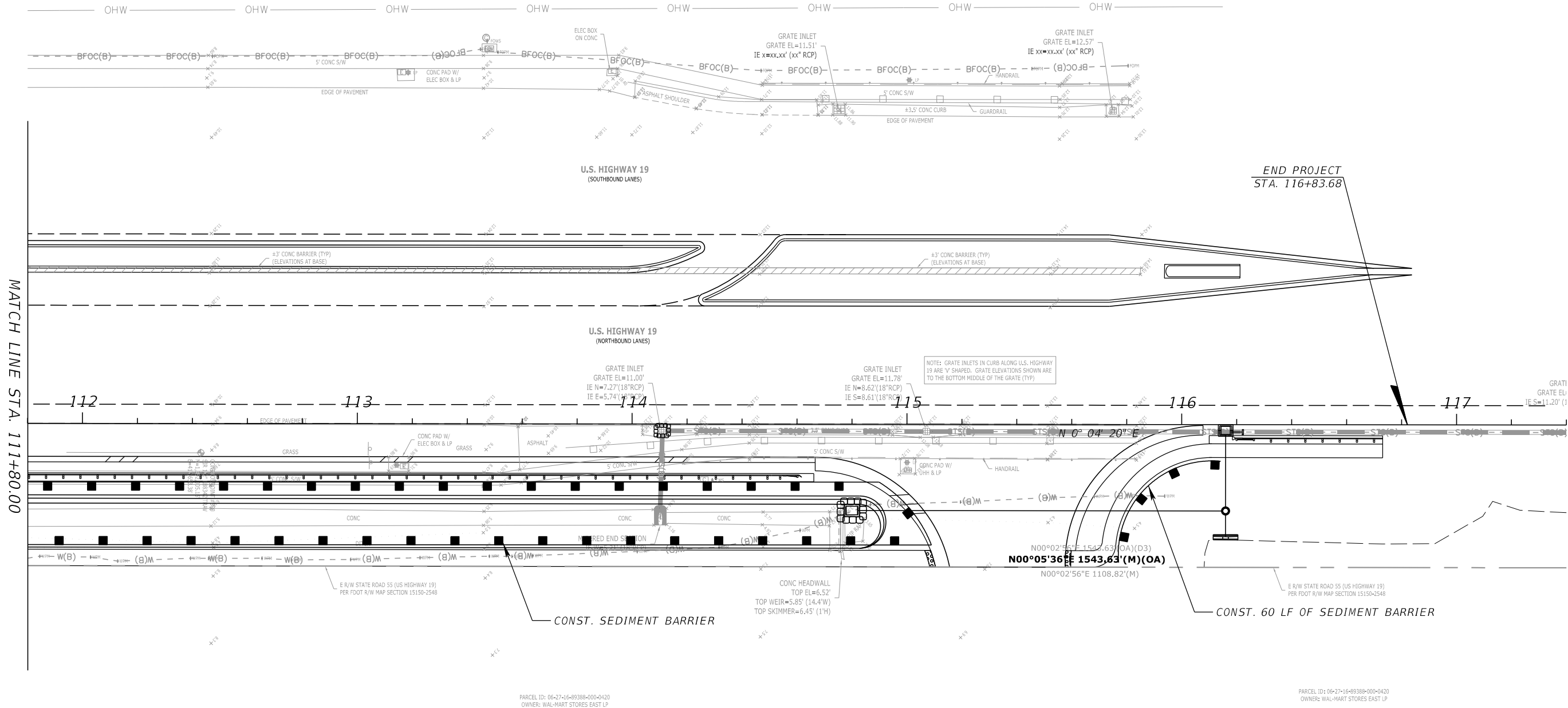
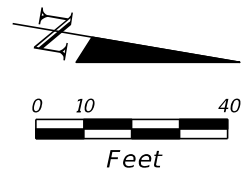
REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN (02)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			26



REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			EROSION CONTROL PLAN (01)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			27

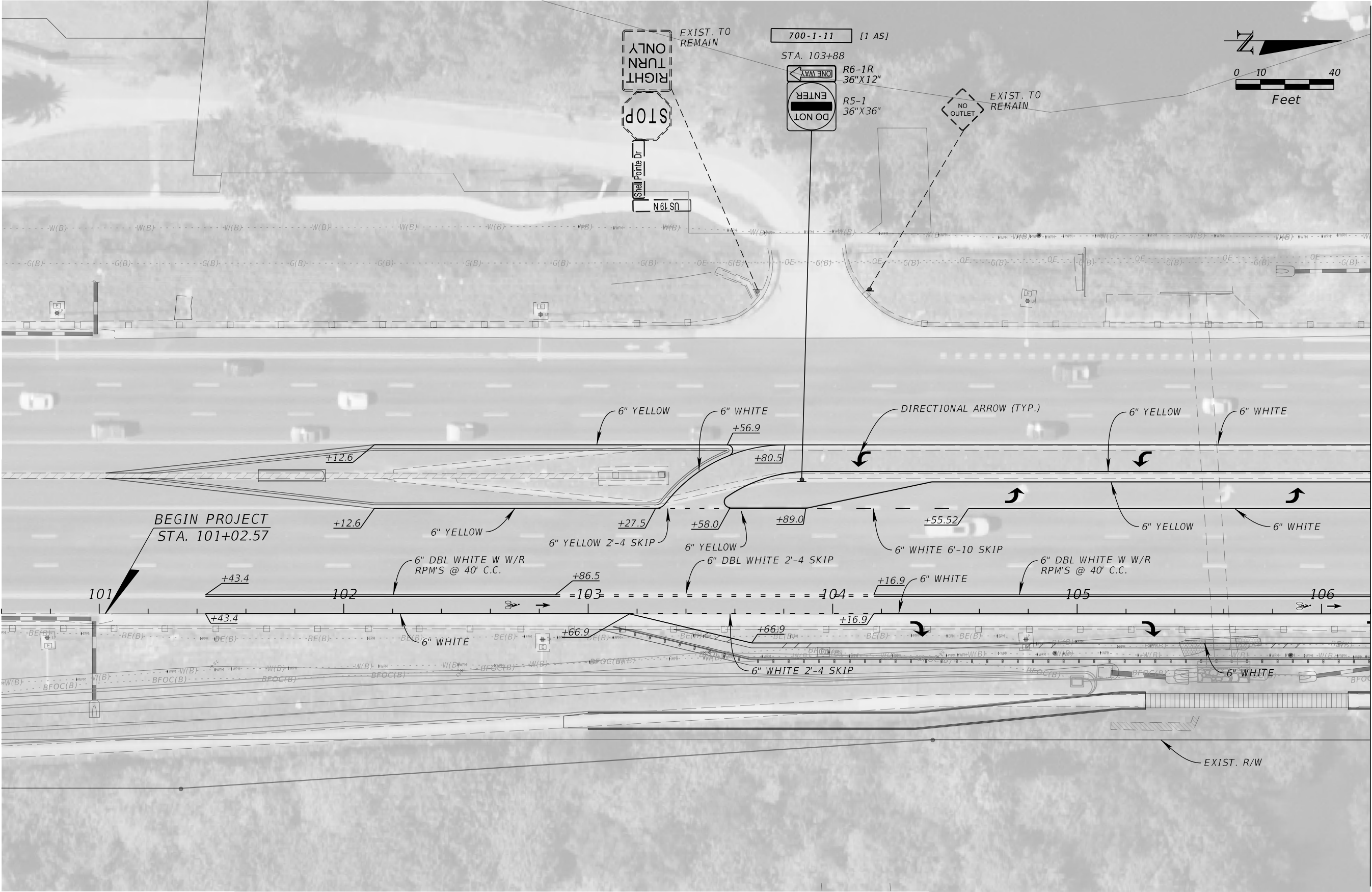


REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			EROSION CONTROL PLAN (02)	SHEET NO. 28
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			



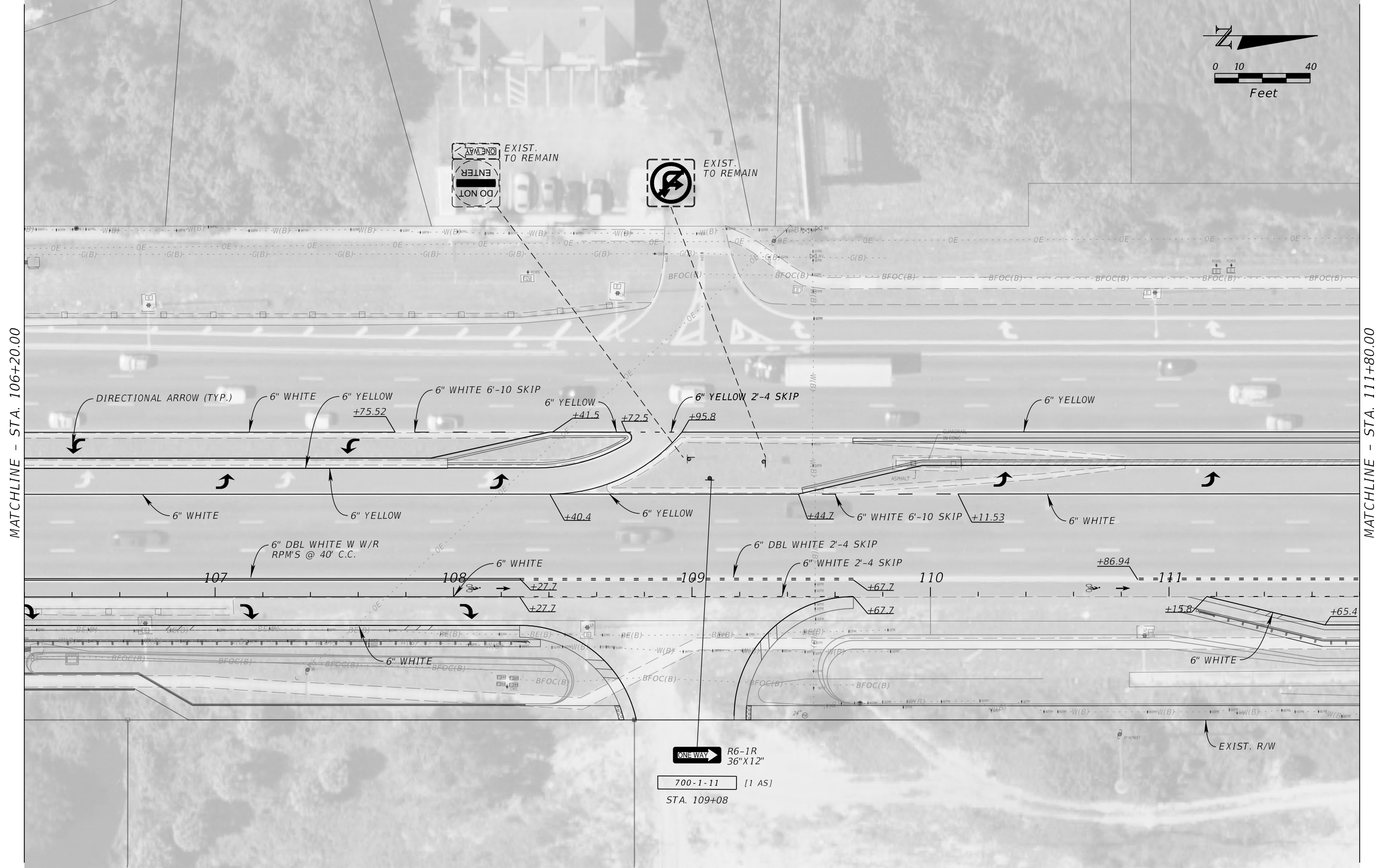
REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			EROSION CONTROL PLAN (03)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			29

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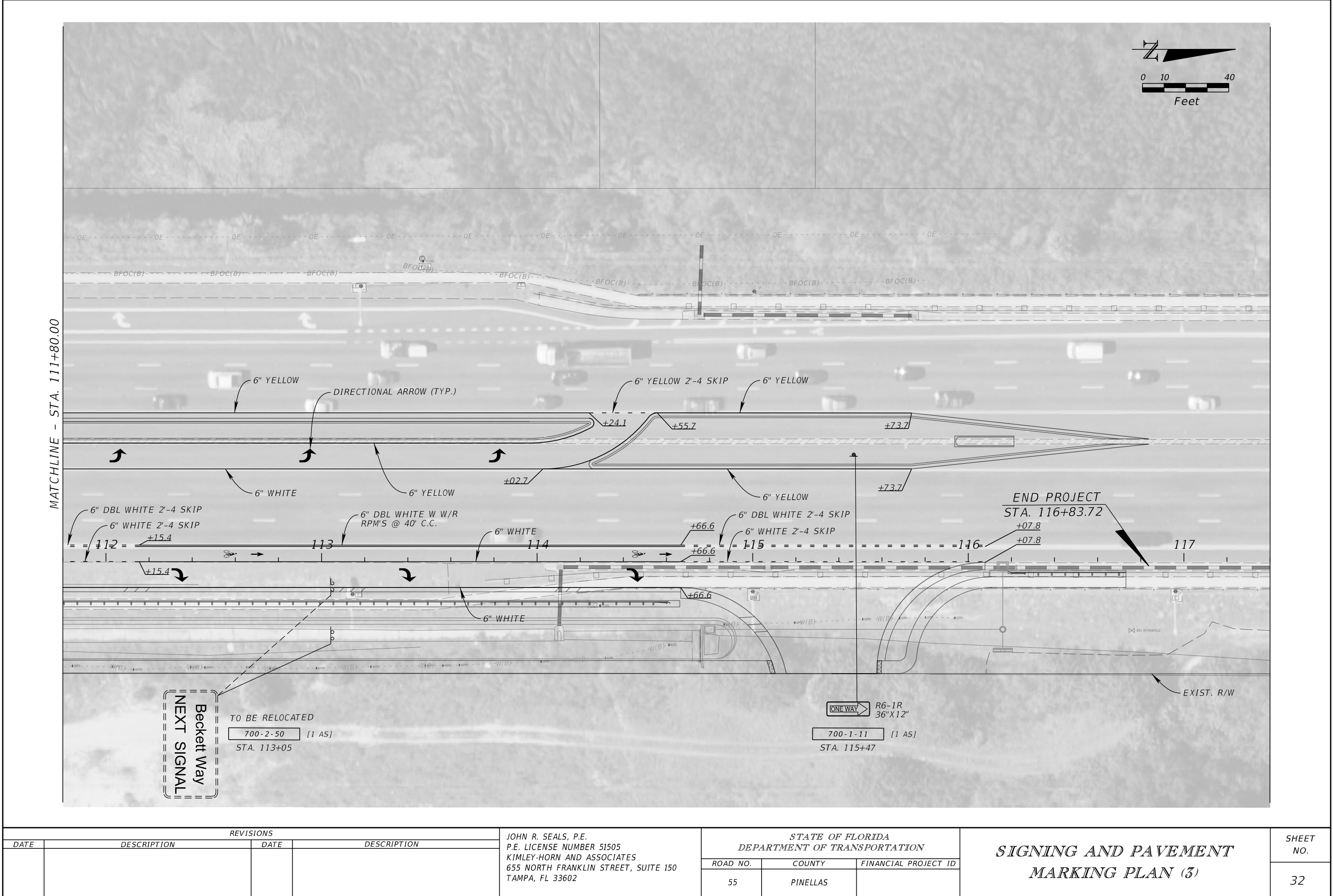


MATCHLINE - STA. 106+20.00

REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING AND PAVEMENT MARKING PLAN (1)	SHEET NO. 30
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			



REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING AND PAVEMENT MARKING PLAN (2)	SHEET NO. 31
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			



REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING AND PAVEMENT MARKING PLAN (3)	SHEET NO. 32
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			

TEMPORARY TRAFFIC CONTROL PLAN GENERAL NOTES

1. FOR WORK WITHIN FDOT RIGHT-OF-WAY, THE CONTRACTOR SHALL PROVIDE A TEMPORARY TRAFFIC CONTROL PLAN PREPARED UNDER THE DIRECTION OF, AND SIGNED AND SEALED BY, A LICENSED FLORIDA PROFESSIONAL ENGINEER WHO IS EXPERIENCED IN PREPARING TRAFFIC CONTROL PLANS AND WHO IS CERTIFIED PER FDOT PROCEDURE, TOPIC NO. 625-010-010.
2. FOR WORK WITHIN FDOT RIGHT-OF-WAY, THE FDOT REQUIRES DOCUMENTATION FOR SUCCESSFUL COMPLETION OF AN APPROVED WORK ZONE TRAFFIC CONTROL TRAINING COURSE FOR THE AGENCY, UTILITY, OR CONTRACTOR EMPLOYEE(S) DESIGNING, INSTALLING, AND/OR MAINTAINING THE APPROVED MAINTENANCE OF TRAFFIC PLAN IN ACCORDANCE WITH DEPARTMENT PROCEDURE, TOPIC NO. 625-010-010.
3. ALL TEMPORARY TRAFFIC CONTROL DEVICES FOR THE FOLLOWING FACILITIES SHALL BE DESIGNED AND INSTALLED TO MEET THE EXISTING POSTED SPEEDS AS STATED FOR ALL TRAFFIC CONTROL PHASES:

SR 55 / US 19

55 MPH

REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			33

POLE DATA

POLE NO.	CIRCUIT	STATION & OFFSET	ARM LENGTH	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK
EX-1	B-2	104+79, 25' RT	EXIST.	EXIST.	EXIST.	11.5'
EX-2	B-2	106+71, 25' RT	EXIST.	EXIST.	EXIST.	11.5'
EX-3	B-2	108+28, 25' RT	EXIST.	EXIST.	EXIST.	11.5'
EX-4	B-2	113+14, 25' RT	EXIST.	EXIST.	EXIST.	11.5'
EX-5	B-2	114+60, 25' RT	EXIST.	EXIST.	EXIST.	11.5'

LEGEND

DESCRIPTION

SYMBOLS



EXISTING LIGHT POLE TO BE RELOCATED.



EXISTING LIGHT POLE TO REMAIN.



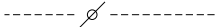
2" SCHEDULE 40 PVC CONDUIT (OPEN TRENCH). EXTEND CONDUIT BEYOND EDGE OF PAVEMENT TO PULL BOXES. RUN ONE (1) COPPER BOND CONDUCTOR INSIDE CONDUIT WITH OTHER CONDUCTORS.



2-2" SCHEDULE 40 CONDUIT, DIRECTIONAL BORED. EXTEND CONDUIT BEYOND EDGE OF PAVEMENT TO PULL BOXES. RUN ONE (1) COPPER BOND CONDUCTOR INSIDE CONDUIT WITH OTHER CONDUCTORS.



EXISTING CONDUIT AND CONDUCTORS TO REMAIN.



EXISTING CONDUIT AND CONDUCTORS TO BE REMOVED.



PROPOSED LIGHTING PULL BOX WITH/WITHOUT CONCRETE PAD PER FDOT INDEX. FOR SPECIFICATIONS SEE SECTION 635 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

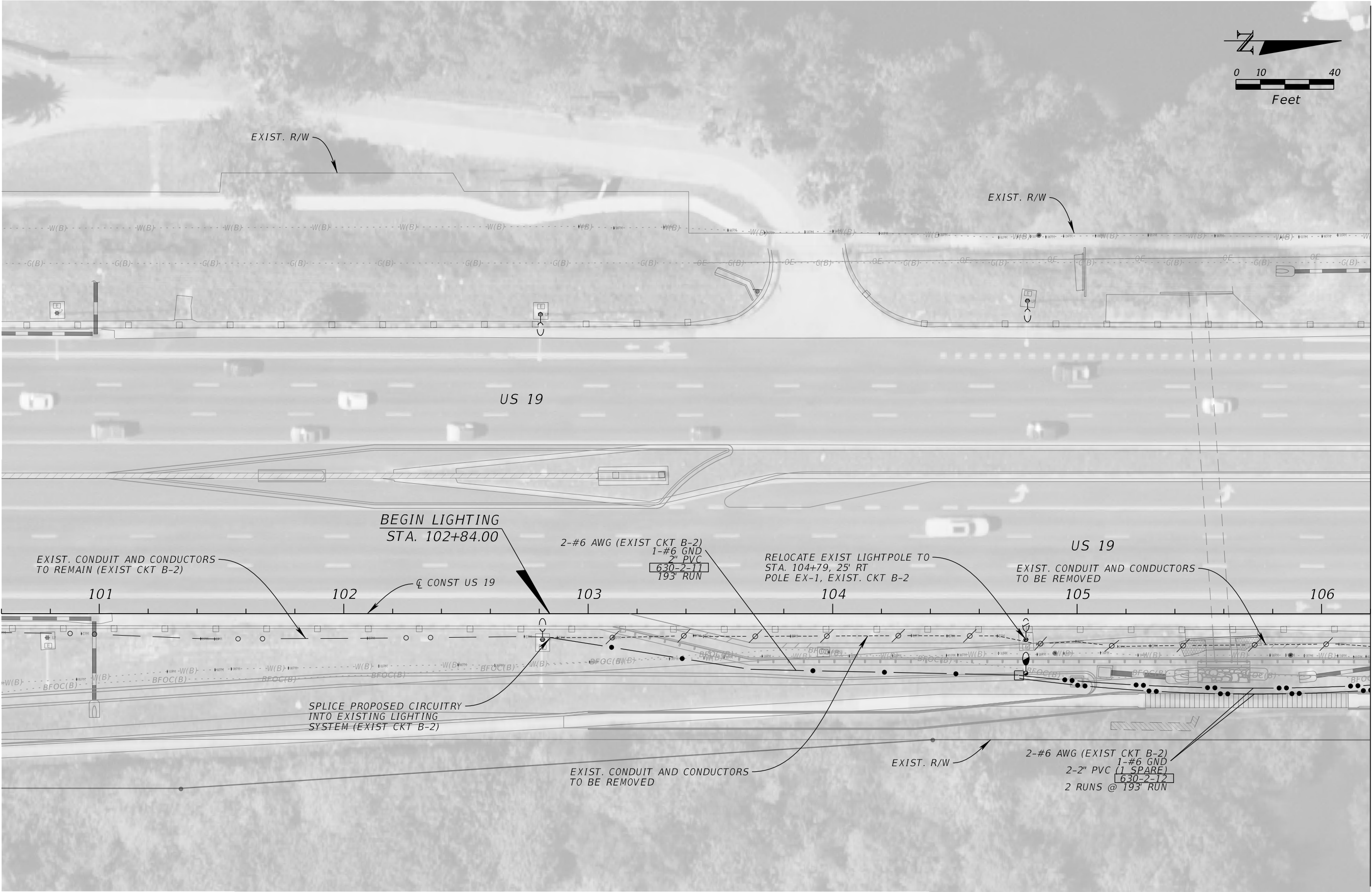


PULL BOX TO REMAIN.

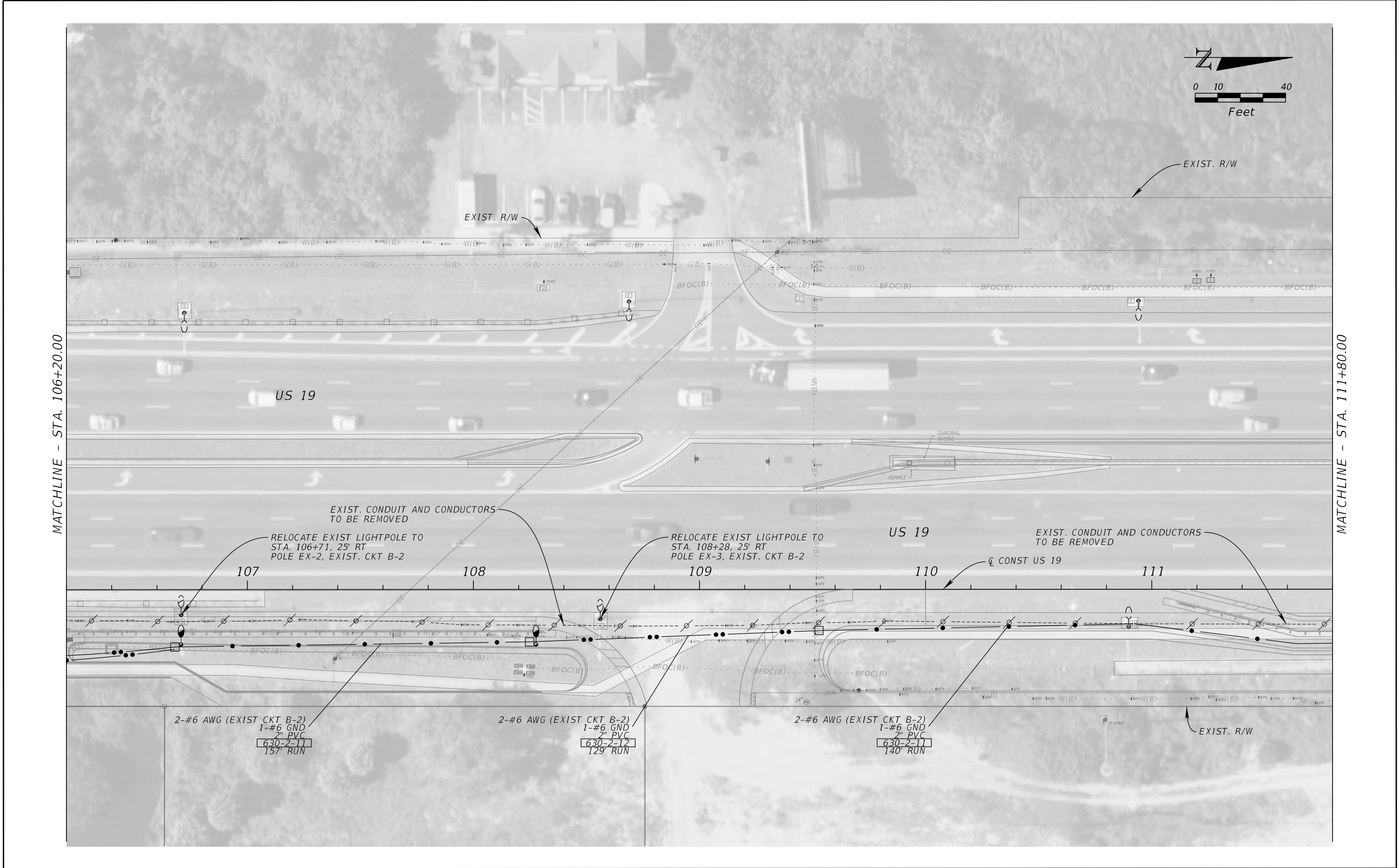
LIGHTING GENERAL NOTES

1. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR AND THE UTILITY OWNERS DURING CONSTRUCTION.
2. USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
3. NOTIFY UTILITY OWNERS THROUGH SUNSHINE ONE CALL OF FLORIDA INC. (1-800-432-4770) AND UTILITY OWNERS LISTED ON THE ROADWAY PLAN GENERAL NOTES 2 FULL BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.
4. ALL PROPOSED PULL BOXES SHALL BE 13"x24" UNLESS OTHERWISE STATED IN THE PLANS.
5. NOTIFY POWER COMPANY AT LEAST 48 HOURS PRIOR TO ANY INSTALLATION THAT IS WITHIN 10 FEET OF ENERGIZED ELECTRICAL CONDUCTORS. AT ITS OPTION, THE POWER COMPANY SHALL ASSIST, COVER UP ENERGIZED CONDUCTORS AT INSTALLATION SITE, OR TAKE OTHER SAFETY PRECAUTIONS AS NECESSARY. EXTREME CAUTION SHALL BE EXERCISED AT ALL TIMES IN PERFORMANCE OF WORK AROUND THE PRIMARY HIGH VOLTAGE COMPONENTS. PERFORM WORK IN ACCORDANCE WITH OSHA STANDARDS.
6. GOVERNING SPECIFICATIONS: STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS CURRENT EDITION.
7. CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS, LATEST REVISION.
8. ALL ELECTRICAL WORK SHALL MEET ALL REQUIREMENTS OF THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE AND THE CURRENT EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE. ALL COMPONENTS SHALL BE PROPERLY GROUND AND BONDED PER N.E.C. REQUIREMENTS.

REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POLE DATA, LEGEND AND GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION		DATE		DESCRIPTION		ROAD NO.		COUNTY
							55	PINELLAS	



REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			L-2



REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			L-3



REVISIONS				JOHN R. SEALS, P.E. P.E. LICENSE NUMBER 51505 KIMLEY-HORN AND ASSOCIATES 655 NORTH FRANKLIN STREET, SUITE 150 TAMPA, FL 33602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					55	PINELLAS			L-4