

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
ITS PLANS
STRUCTURAL PLANS (INCLUDED IN NEXT SUBMITTAL)

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3 - 4	SUMMARY OF PAY ITEMS
5 - 7	DRAINAGE MAP
8 - 11	TYPICAL SECTIONS & DETAILS
12 - 13	SUMMARY OF DRAINAGE STRUCTURES
14	OPTIONAL MATERIALS
15	GENERAL NOTES
16 - 18	ROADWAY PLAN
19 - 21	ROADWAY PROFILE
22 - 25	DRAINAGE STRUCTURES
26	DRAINAGE DETAILS
27	ROADWAY SOIL SURVEY
28 - 43	CROSS SECTIONS
44 - 45	STORM WATER POLLUTION PREVENTION PLAN
46 - 58	TRAFFIC CONTROL PLANS
59	UTILITY ADJUSTMENT NOTES
60 - 62	UTILITY ADJUSTMENT SHEETS
CTL-1	PROJECT NETWORK CONTROL

DEVELOPMENTAL STANDARD PLANS:

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2018-19 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

APPLICABLE IRs: N/A

Standard Plans for Bridge Construction and included in the Structures Plans Component.

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2018 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

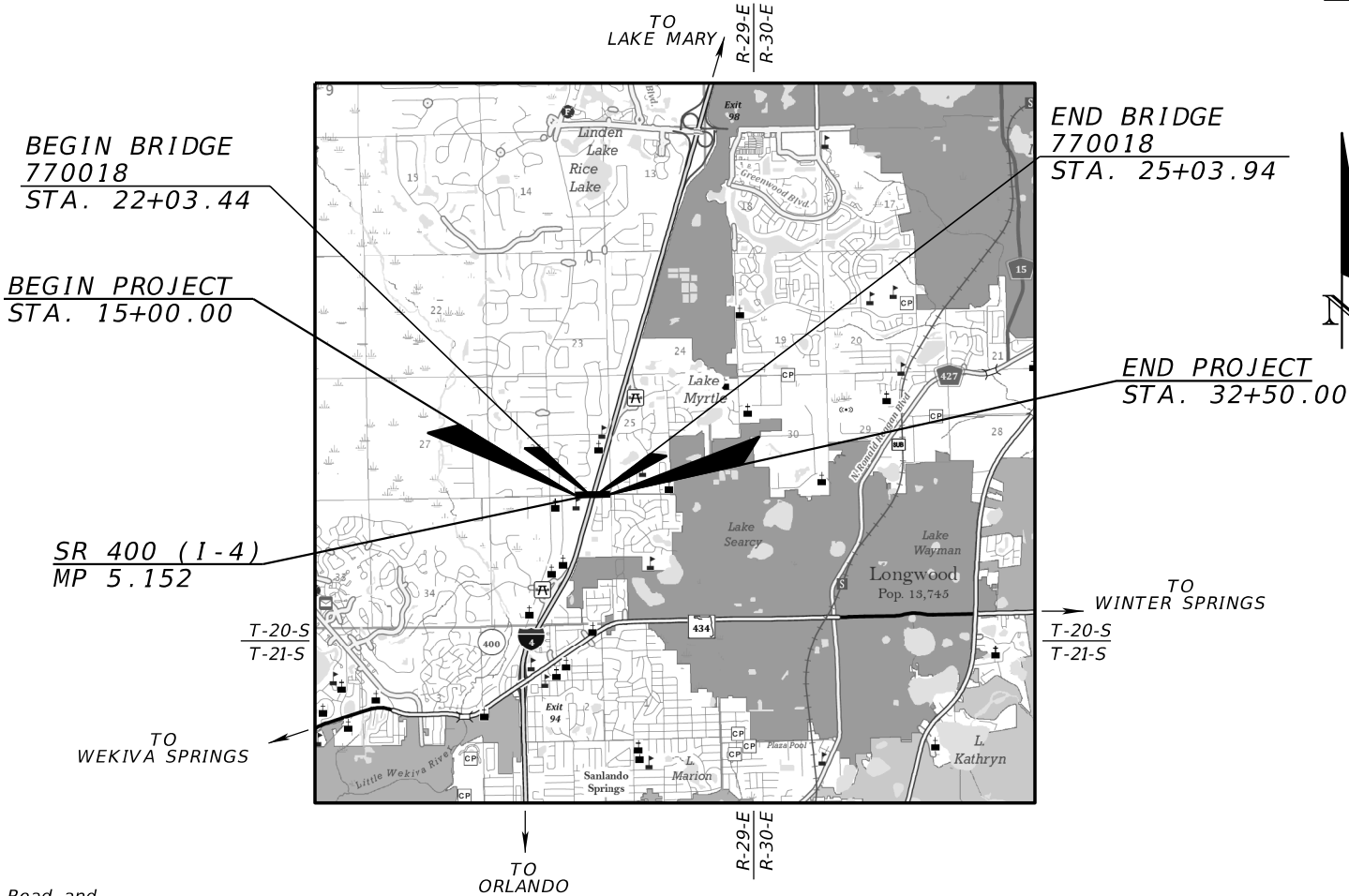
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

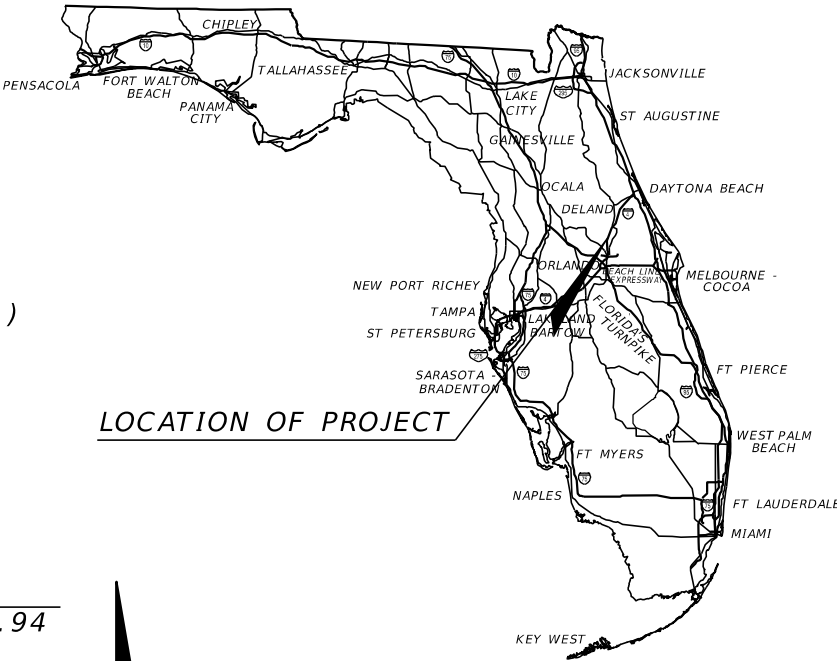
FINANCIAL PROJECT ID 439682-4-52-01

SEMINOLE COUNTY (77160)

EE WILLIAMSON RD. BRIDGE REPLACEMENT OVER STATE ROAD NO. 400 (I-4)
FROM SUNSHINE TREE BLVD.
TO EAST OF PENELOPE DR.



THIS PROJECT TO BE LET TO CONTRACT
WITH FINANCIAL PROJECT ID(S):
439682-2-52-04, 439682-3-52-04, 439682-5-52-04



ROADWAY PLANS
ENGINEER OF RECORD:

JOSEPH ROSELLI, P.E.
P.E. NO.: 72227
HORIZON ENGINEERING GROUP, INC.
2603 Maitland Center Pkwy., Suite B
Maitland, FL 32751
Phone: 407-644-7755
FAX: 407-644-7855
Contract No. : C9U03
Vendor No.:43-1994849
Certificate of Authorization No.: 00009544

FDOT PROJECT MANAGER:

HATEM AQUIB, PE

PHASE II PLANS
7/16/2018

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	19	1

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

NOTES TO REVIEWER

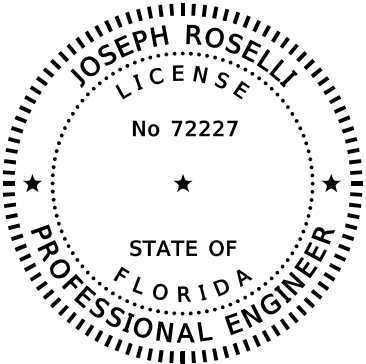
1) THERE ARE TWO PIPES LOCATED NEAR STATION 26+00 (RT) A 24" PIPE CROSSING UNDER EE WILLIAMSON RD. AND A 30" PIPE WHICH HEADS WEST AND THEN NORTH IN THE I-4 RIGHT OF WAY. BECAUSE OF THE NEED TO ACCOMMODATE A FUTURE PLANTER ADJACENT TO THE MSE WALLS FOR THE AESTHETICS OF THE I-4 BEYOND THE ULTIMATE PROJECT, THE MSE WALL FOOTER WILL NEED TO BE LOWERED SUCH THAT IT WILL BE IN CONFLICT WITH THE EXISTING 24" PIPE UNDER EE WILLIAMSON. BOTH THE 24" CROSS DRAIN AND THE 30" PIPE SYSTEM HAVE BEEN CONCEPTUALLY DESIGNED, AS PART OF THE I-4 BEYOND THE ULTIMATE PROJECT, TO BE REPLACED WITH A SINGLE 36" PIPE. THE ANALYSIS OF THIS PIPE REPLACEMENT WAS NOT INCLUDED IN THE SCOPE OF THIS PROJECT. THEREFORE, DISCUSSIONS WITH FDOT ARE ONGOING AS TO THE APPROACH TO TAKE. FOR THIS SUBMITTAL, NO WORK IS BEING SHOWN ON THESE PIPES, HOWEVER, THIS WILL BE RESOLVED FOR THE PHASE III SUBMITTAL.

2) SURVEY FOR THIS PROJECT WAS PROVIDED BY FDOT FROM THE I-4 BEYOND THE ULTIMATE PROJECT. THE LIMITS OF THIS SURVEY FALL SHORT OF THE TOTAL PROJECT LENGTH. COORDINATION WITH THE DEPARTMENT IS ONGOING TO OBTAIN SURVEY FOR THE FIRST 300 FT AND THE LAST 300 FT OF THE PROJECT. AS SUCH, OLD PLANS WERE UTILIZED TO ESTIMATE PIPE INVERTS AT THE STORM SEWER TIE IN NEAR STATION 15+00 (RT) (EX-2). ADDITIONALLY, MINIMUM GUTTER GRADES HAVE BEEN ASSUMED AND INLET ELEVATIONS ESTIMATED FOR THE INLET NEAR STATION 32+50 (LT) (S-16). AS SUCH, NO DRAINAGE STRUCTURE CROSS SECTIONS HAVE BEEN INCLUDED IN THE PLANS FOR THESE STRUCTURES. IT IS ANTICIPATED THAT THIS SURVEY WILL BE RECEIVED AND DESIGN COMPLETED IN THESE AREAS IN THE PHASE III SUBMITTAL.

3. THE HORIZONTAL ALIGNMENT DOES NOT MEET CURRENT CRITERIA FOR LENGTH OF CURVE. OUR DESIGN HAS EXTENDED THE LENGTH OF THESE CURVES TO A MAXIMUM LENGTH WITHOUT REQUIRING ADDITIONAL R/W. THIS VARIATION WILL BE PROVIDED AT A LATER DATE ONCE FURTHER COORDINATION HAS BEEN DONE WITH FDOT AND SEMINOLE COUNTY.

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			NOTES TO REVIEWER	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		1A
						SEMINOLE	439682-4-52-01		

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



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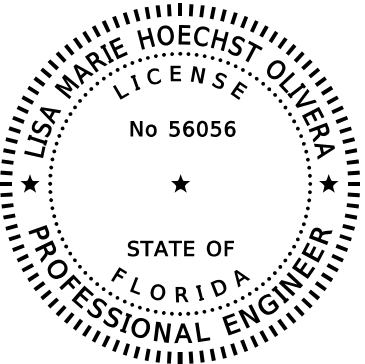
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THE SIGNATURE MUST BE VERIFIED ON
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HORIZON ENGINEERING GROUP, INC. .
2603 MAITLAND CENTER PKWY., SUITE B
MAITLAND, FL 32751
CERTIFICATE OF AUTHORIZATION 00009544
JOSEPH ROSELLI, P.E. NO. 72227

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

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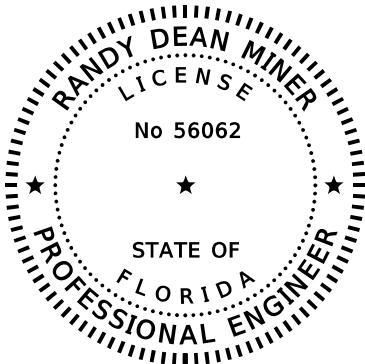
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HORIZON ENGINEERING GROUP, INC. .
2603 MAITLAND CENTER PKWY., SUITE B
MAITLAND, FL 32751
CERTIFICATE OF AUTHORIZATION 00009544
LISA M. H. OLIVERA, P.E. NO. 56056

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
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INDEX OF ROADWAY PLANS

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5 - 7	DRAINAGE MAP
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14	OPTIONAL MATERIALS
22 - 25	DRAINAGE STRUCTURES
26	DRAINAGE DETAILS
44 - 45	STORMWATER POLLUTION PREVENTION PLAN



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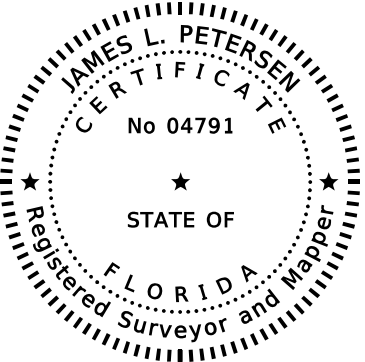
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HORIZON ENGINEERING GROUP, INC. .
2603 MAITLAND CENTER PKWY., SUITE B
MAITLAND, FL 32751
CERTIFICATE OF AUTHORIZATION 00009544
RANDY D. MINER, P.E. NO. 56062

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

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET



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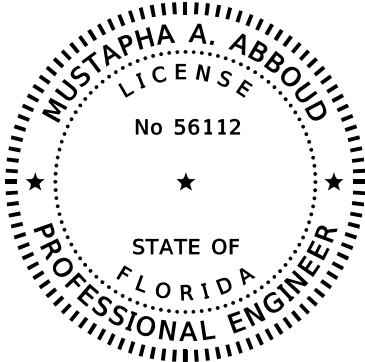
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THE ELECTRONIC DOCUMENTS.

JAMES L. PETERSEN, P.S.M.
P.S.M. LICENSE NUMBER 4791
SOUTHEASTERN SURVEYING AND MAPPING CORP
6500 ALL AMERICAN BOULEVARD
ORLANDO, FL 32810
CERTIFICATE OF AUTHORIZATION 00002108

THE ABOVE NAMED PROFESSIONAL SURVEYOR AND MAPPER SHALL BE RESPONSIBLE
FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C.

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
CTL-1	PROJECT NETWORK CONTROL



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TIERRA, INC.
591 SUSAN B. BRITT COURT
WINTER GARDEN, FLORIDA 34787
CERTIFICATE OF AUTHORIZATION
MUSTAPHA A. ABBOD, P.E. NO. 56112

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G16-2.005, F.A.C.

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
27	ROADWAY SOIL SURVEY

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		2

FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 439682-4-52-01						
LEAD PROJECT : 439682-4-52-01			DISTRICT : 05		COUNTY/SECTION : 77000032	
PROJECT(S) : 43968245201			COUNTY : SEMINOLE			
0100 SUMMARY OF STRUCTURES						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43968245201	QUANTITY TOTAL
		0110- 3-	REMOVAL OF EXISTING STRUCTURES/BRIDGES 43968245201	(LS)	1.000	1.000
		0400- 2- 4	CONC CLASS II, BRIDGE SUPERSTRUCTURE	CY	1.000	1.000
		0400- 2- 10	CONCRETE CLASS II, APPROACH SLABS	CY	1.000	1.000
		0400- 4- 5	CONCRETE CLASS IV, BRIDGE SUBSTRUCTURE	CY	1.000	1.000
		0400- 4- 25	CONCRETE CLASS IV, MASS, SUBSTRUCTURE	CY	1.000	1.000
		0400- 9-	BRIDGE DECK GROOVING & PLANING, DECK 8.5" AND GREATER	SY	1.000	1.000
		0400-147-	COMPOSITE NEOPRENE PADS	CF	1.000	1.000
		0415- 1- 4	REINFORCING STEEL - BRIDGE SUPERSTRUCTURE	LB	1.000	1.000
		0415- 1- 5	REINFORCING STEEL- BRIDGE SUBSTRUCTURE	LB	1.000	1.000
		0415- 1- 9	REINFORCING STEEL- APPROACH SLABS	LB	1.000	1.000
		0450- 2- 63	PREST BEAMS: FLORIDA-I BEAM 63"	LF	1.000	1.000
		0455- 34- 5	PRESTRESSED CONCRETE PILING, 24" SQ	LF	1.000	1.000
		0455-133- 2	SHEET PILING STEEL, TEMPORARY-CRITICAL	SF	1.000	1.000
		0455-143- 5	TEST PILES-PRESTRESSED CONCRETE,24" SQ	LF	1.000	1.000
		0458- 1- 11	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I POURED JOINT WITH BACKER ROD	LF	1.000	1.000
		0520- 5- 21	TRAFFIC SEPARATOR - CONCRETE, TYPE II, 4' WIDE	LF	1.000	1.000
		0521- 5- 13	CONCRETE TRAFFIC RAILING- BRIDGE, 36" SINGLE-SLOPE	LF	1.000	1.000
		0521- 6- 11	CONCRETE PARAPET, PEDESTRIAN/BICYCLE, 27" HEIGHT	LF	1.000	1.000
		0550- 10-344	FENCING, TYPE R, 7.1-8.0, W / PARTIAL ENCLOSURE	LF	1.000	1.000
		0630- 2- 16	CONDUIT, FURNISH & INSTALL, EMBEDDED- RAILINGS	LF	1.000	1.000
		0635- 3- 13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA	1.000	1.000

FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 439682-4-52-01						
LEAD PROJECT : 439682-4-52-01			DISTRICT : 05		COUNTY/SECTION : 77000032	
PROJECT(S) : 43968245201			COUNTY : SEMINOLE			
0200 SUMMARY OF ROADWAY						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43968245201	QUANTITY TOTAL
		0101- 1-	MOBILIZATION 43968245201	LS	1.000	1.000
		0102- 1-	MAINTENANCE OF TRAFFIC 43968245201	(LS)	1.000	1.000
		0102- 14-	TRAFFIC CONTROL OFFICER	HR	1.000	1.000
		0102- 60-	WORK ZONE SIGN	ED	1.000	1.000
		0102- 71- 15	TEMPORARY BARRIER, F&I, ANCHORED	LF	1.000	1.000
		0102- 71- 25	TEMPORARY BARRIER, RELOCATE, ANCHORED	LF	1.000	1.000
		0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	1.000	1.000
		0102- 74- 7	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	LF	1.000	1.000
		0102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	1.000	1.000
		0102- 89- 1	TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION	LO	1.000	1.000
		0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	1.000	1.000
		0102-911- 2	PAVEMENT MARKING REMOVABLE TAPE, WHITE OR BLACK,SOLID	LF	1.000	1.000
		0102-912- 2	PAVEMENT MARKING REMOVABLE TAPE, YELLOW, SOLID	LF	1.000	1.000
		0104- 10- 3	SEDIMENT BARRIER	LF	1.000	1.000
		0104- 18-	INLET PROTECTION SYSTEM	EA	1.000	1.000
		0107- 1-	LITTER REMOVAL	AC	1.000 N	1.000
		0107- 2-	MOWING	AC	1.000 N	1.000
		0110- 1- 1	CLEARING & GRUBBING 43968245201	(LS)	1.000	1.000
		0120- 1-	REGULAR EXCAVATION	CY	1.000	1.000
		0120- 6-	EMBANKMENT	CY	1.000	1.000
		0160- 4-	TYPE B STABILIZATION	SY	1.000	1.000
		0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	1.000	1.000
		0327- 70- 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	1.000	1.000
		0334- 1- 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22	TN	1.000	1.000
		0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12.5, PG 76-22	TN	1.000	1.000
		0400- 1- 2	CONCRETE CLASS I, ENDWALLS	CY	1.000	1.000
		0425- 1-311	INLETS, CURB, TYPE P-1, <10'	EA	1.000	1.000
		0425- 1-521	INLETS, DT BOT, TYPE C,<10'	EA	1.000	1.000
		0425- 1-529	INLETS, DT BOT, TYPE C, MODIFY	EA	1.000	1.000
		0425- 1-533	INLETS, DITCH BOTTOM TYPE C MODIFIED- BACK OF SIDEWALK, J BOT, <10'	EA	1.000	1.000
		0425- 1-881	INLETS, BARRIER WALL, RIGID, CURB & GUTTER, <10'	EA	1.000	1.000
		0425- 1-882	INLETS, BARRIER WALL, RIGID, CURB & GUTTER, >10'	EA	1.000	1.000
		0425- 1-910	INLETS, CLOSED FLUME	EA	1.000	1.000
		0425- 2- 43	MANHOLES, P-7, PARTIAL	EA	1.000	1.000
		0425- 2- 62	MANHOLES, P-8, >10'	EA	1.000	1.000
T		0425- 11-	MODIFY EXISTING DRAINAGE STRUCTURE	EA	1.000	1.000
		0430-174-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"SD	LF	1.000	1.000
		0430-174-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	1.000	1.000
		0430-174-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"SD	LF	1.000	1.000

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF PAY ITEMS	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		3

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FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 439682-4-52-01						
LEAD PROJECT : 439682-4-52-01			DISTRICT : 05	COUNTY/SECTION : 77000032		
PROJECT(S) : 43968245201			COUNTY : SEMINOLE			
0200 SUMMARY OF ROADWAY						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43968245201	QUANTITY TOTAL
		0430-174-224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 24"SD	LF	1.000	1.000
		0430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	1.000	1.000
		0430-984-125	MITERED END SECTION, OPTIONAL ROUND, 18" SD	EA	1.000	1.000
		0515- 4- 2	BULLET RAIL, DOUBLE RAIL	LF	1.000	1.000
		0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	1.000	1.000
		0520- 2- 4	CONCRETE CURB, TYPE D	LF	1.000	1.000
		0521- 6- 32	CONCRETE PARAPET, RETAINING WALL SYSTEM MOUNTED	LF	1.000	1.000
		0521- 8- 3	CONCRETE TRAFFIC RAILING BARRIER, WITH JUNCTION SLAB, 32" VERTICAL FACE	LF	1.000	1.000
		0521- 72- 43	SHOULDER CONCRETE BARRIER, CURB AND GUTTER BARRIER	LF	1.000	1.000
		0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	1.000	1.000
		0524- 1- 1	CONCRETE DITCH PAVT, NON REINFORCED, 3"	SY	1.000	1.000
		0527- 2-	DETECTABLE WARNINGS	SF	1.000	1.000
		0544- 75- 1	CRASH CUSHION	EA	1.000	1.000
		0548- 12-	RETAINING WALL SYSTEM, PERMANENT, EXCLUDING BARRIER	SF	1.000	1.000
		0570- 1- 1	PERFORMANCE TURF	SY	1.000	1.000
		0570- 1- 2	PERFORMANCE TURF, SOD	SY	1.000	1.000
		0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	1.000	1.000
		0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	1.000	1.000
		0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	1.000	1.000
		0710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	1.000	1.000
		0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	1.000	1.000
		0710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	1.000	1.000

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LEAD PROJECT : 439682-4-52-01			DISTRICT : 05		COUNTY/SECTION : 77000032	
PROJECT(S) : 43968245201			COUNTY : SEMINOLE			
0300 SUMMARY OF SIGNING						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43968245201	QUANTITY TOTAL
		0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	1.000	1.000
		0700- 1- 50	SINGLE POST SIGN, RELOCATE	AS	1.000	1.000
		0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE 43968245201	LS	1.000	1.000
		0713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM	1.000	1.000
		0713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM	1.000	1.000

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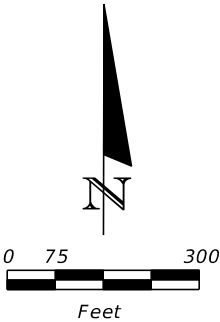
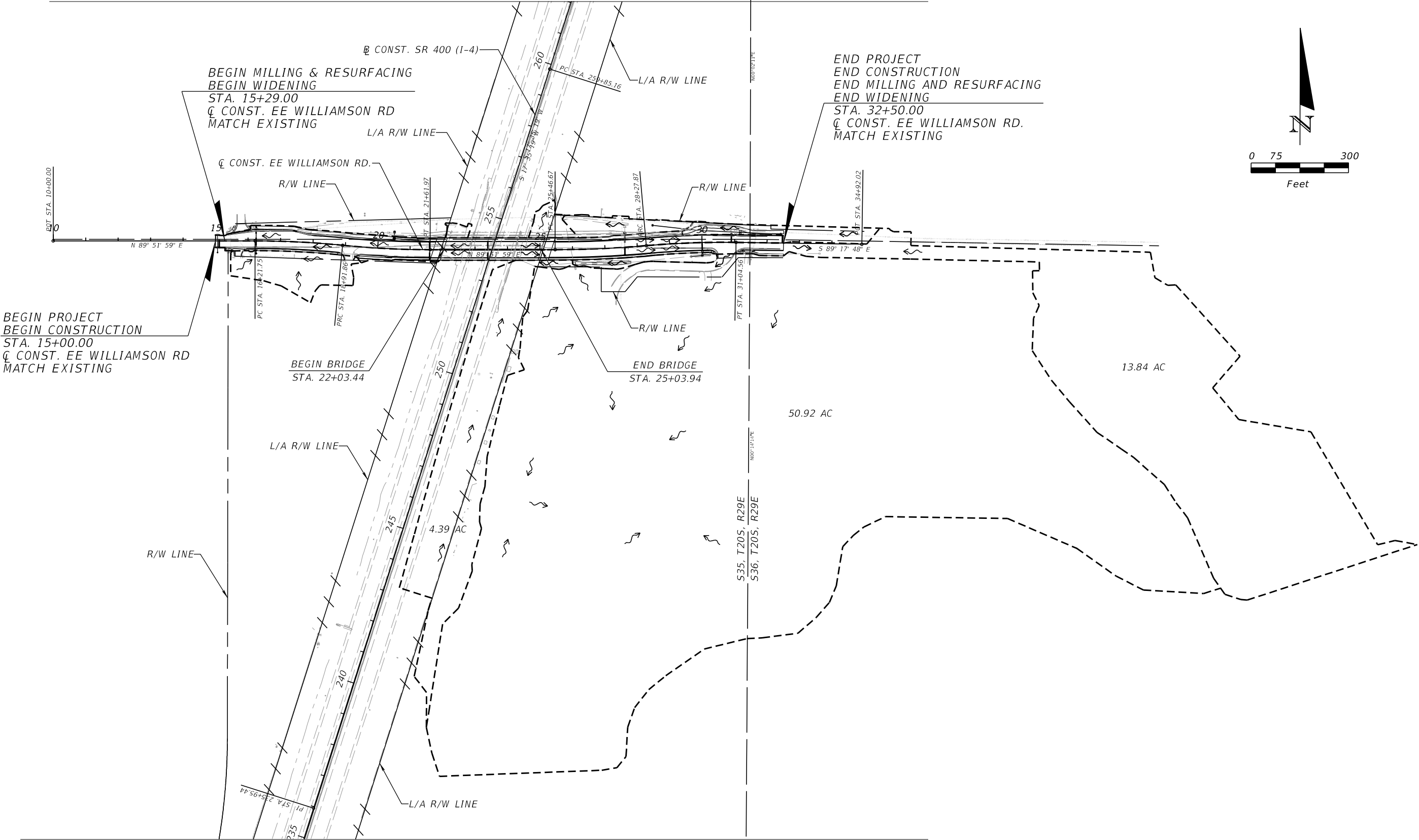
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LEAD PROJECT : 439682-4-52-01			DISTRICT : 05		COUNTY/SECTION : 77000032	
PROJECT(S) : 43968245201			COUNTY : SEMINOLE			
0550 SUMMARY OF INTELLIGENT TRANSPORTATION SYSTEM						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	43968245201	QUANTITY TOTAL
		0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	1.000	1.000
		0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1.000	1.000
		0630- 2- 16	CONDUIT, FURNISH & INSTALL, EMBEDDED- RAILINGS	LF	1.000	1.000
		0633- 1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	1.000	1.000
		0633- 1-620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	1.000	1.000
		0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	1.000	1.000
		0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	1.000	1.000
		0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	1.000	1.000
		0633- 3- 15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	1.000	1.000
		0635- 2- 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	1.000	1.000
		0635- 3- 12	JUNCTION BOX, FURNISH & INSTALL, MOUNTED	EA	1.000	1.000

07/16/2018 11:41:51 AM

FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT SUMMARY OF PAY ITEMS FOR PROJECT: 439682-4-52-01							
LEAD PROJECT : 439682-4-52-01			DISTRICT : 05		COUNTY/SECTION : 77000032		
PROJECT(S) : 43968245201				COUNTY : SEMINOLE			
0700 SUMMARY OF UTILITIES							
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION		UNIT	43968245201	QUANTITY TOTAL
		0425- 6-	VALVE BOXES, ADJUST		EA	1.000	1.000

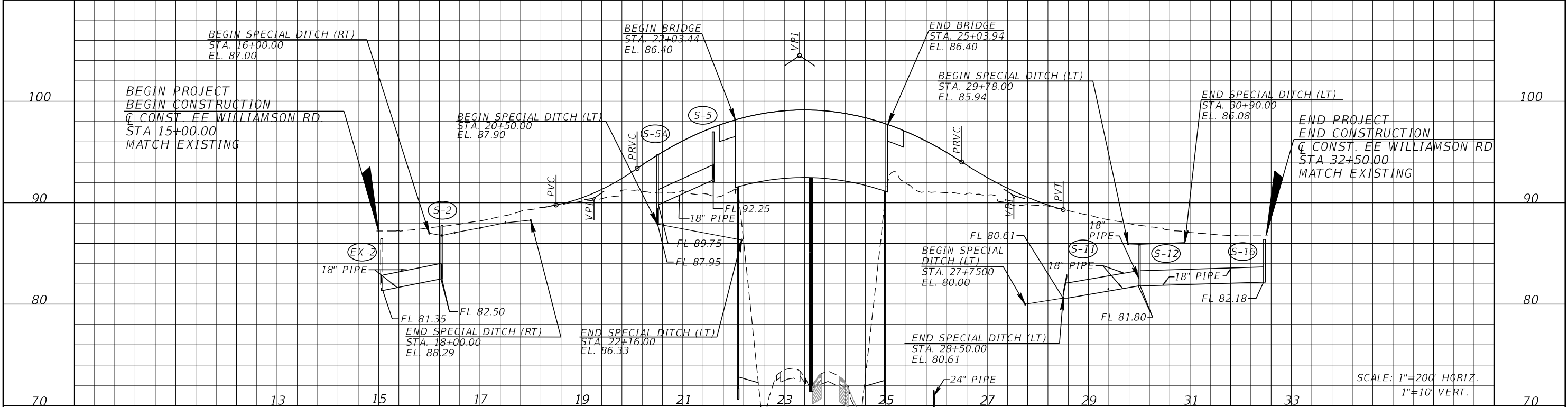
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF PAY ITEMS	SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		4

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

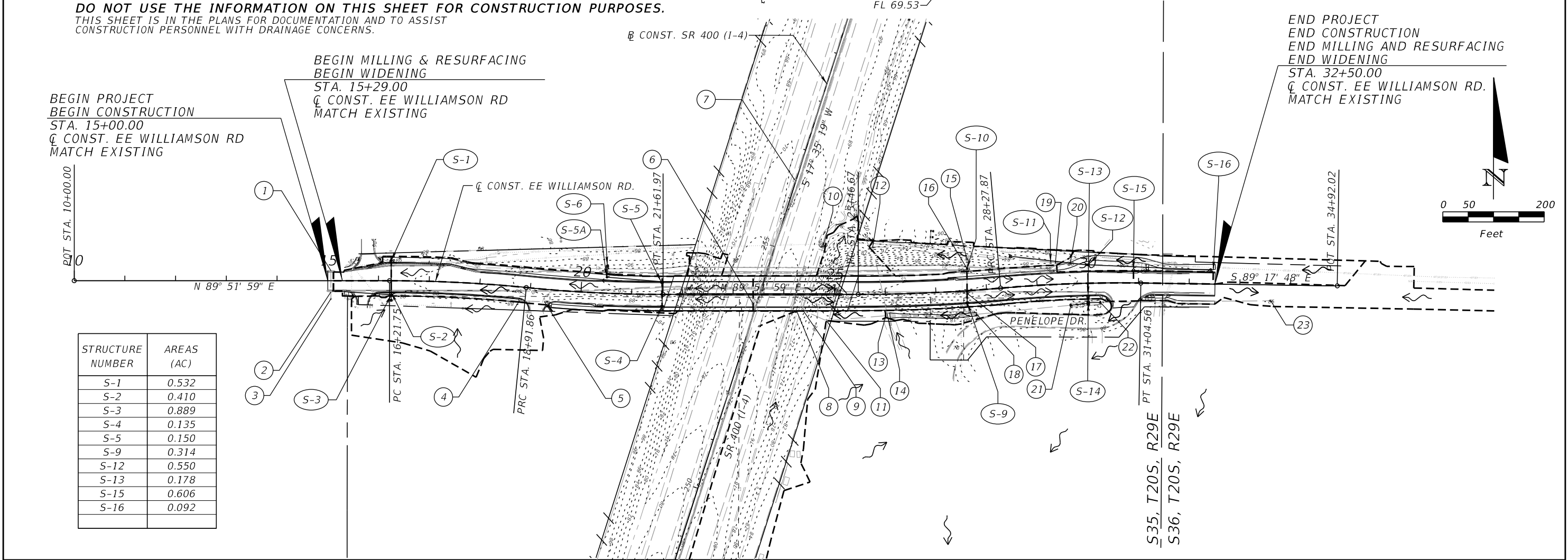


REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 LISA M. H. OLIVERA, P.E. NO. 56056	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OVERALL DRAINAGE MAP	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		5

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



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



STRUCTURE NUMBER	AREAS (AC)
S-1	0.532
S-2	0.410
S-3	0.889
S-4	0.135
S-5	0.150
S-9	0.314
S-12	0.550
S-13	0.178
S-15	0.606
S-16	0.092

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 LISA M. H. OLIVERA, P.E. No. 56056	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE MAP	SHEET NO. 6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		

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

- 1

CURB INLET, PIPE
INV. ELEV. = 19.55
18" PIPE
- 2

CURB INLET, PIPE
INV. ELEV. = 22.00
- 3

MANHOLE
NO SURVEY
- 4

ENDWALL, PIPE
TOP ELEV. = 89.72
INV. ELEV. = 86.70
24" PIPE
- 5

ENDWALL
TOP ELEV. = 89.72
INV. ELEV. = 86.70
- 6

MANHOLE, PIPE
TOP ELEV. = 72.48
INV. ELEV. = 66.66
N. INV. ELEV. = 66.39
18" RCP
- 7

INLET, PIPE
GRATE ELEV. = 68.44
S. INV. ELEV. = 64.65
N. INV. ELEV. = 63.43
N. ??" PIPE
- 8

ENDWALL
TOP ELEV. = 71.045
INV. ELEV. = 68.38
- 9

INLET, PIPE
GRATE ELEV. = 68.93
N.E. INV. ELEV. = 65.68
32" PIPE
S.E. INV. ELEV. 65.99
24" PIPE
- 10

ENDWALL, PIPE
TOP ELEV. 68.34
S. INV. ELEV. 64.93
32" PIPE
- 11

MANHOLE, PIPE
TOP ELEV. 79.02
N.W. INV. ELEV. 66.14
24" PIPE
N.E. INV. ELEV. 67.52
30" PIPE
- 12

ENDWALL, PIPE
TOP ELEV. = 72.06
INV. ELEV. = 68.86
24" RCP
- 13

ENDWALL, PIPE
TOP ELEV. 73.17
INV. ELEV. 67.70
30" PIPE
- 14

ENDWALL, PIPE
INV. ELEV. 69.79
24" PIPE
- 15

ENDWALL, PIPE
TOP ELEV. 85.36
INV. ELEV. 82.80
15" PIPE
- 16

MANHOLE, PIPE
TOP ELEV. 90.19
S. INV. ELEV. 86.31
N. INV. ELEV. 83.73
15" PIPE
- 17

MANHOLE, PIPE
TOP ELEV. 90.23
INV. ELEV. 86.48
- 18

ENDWALL, PIPE
INV. ELEV. 77.20
19"X30" ERCP
- 19

MES, PIPE
INV. ELEV. 85.39
15" CMP
- 20

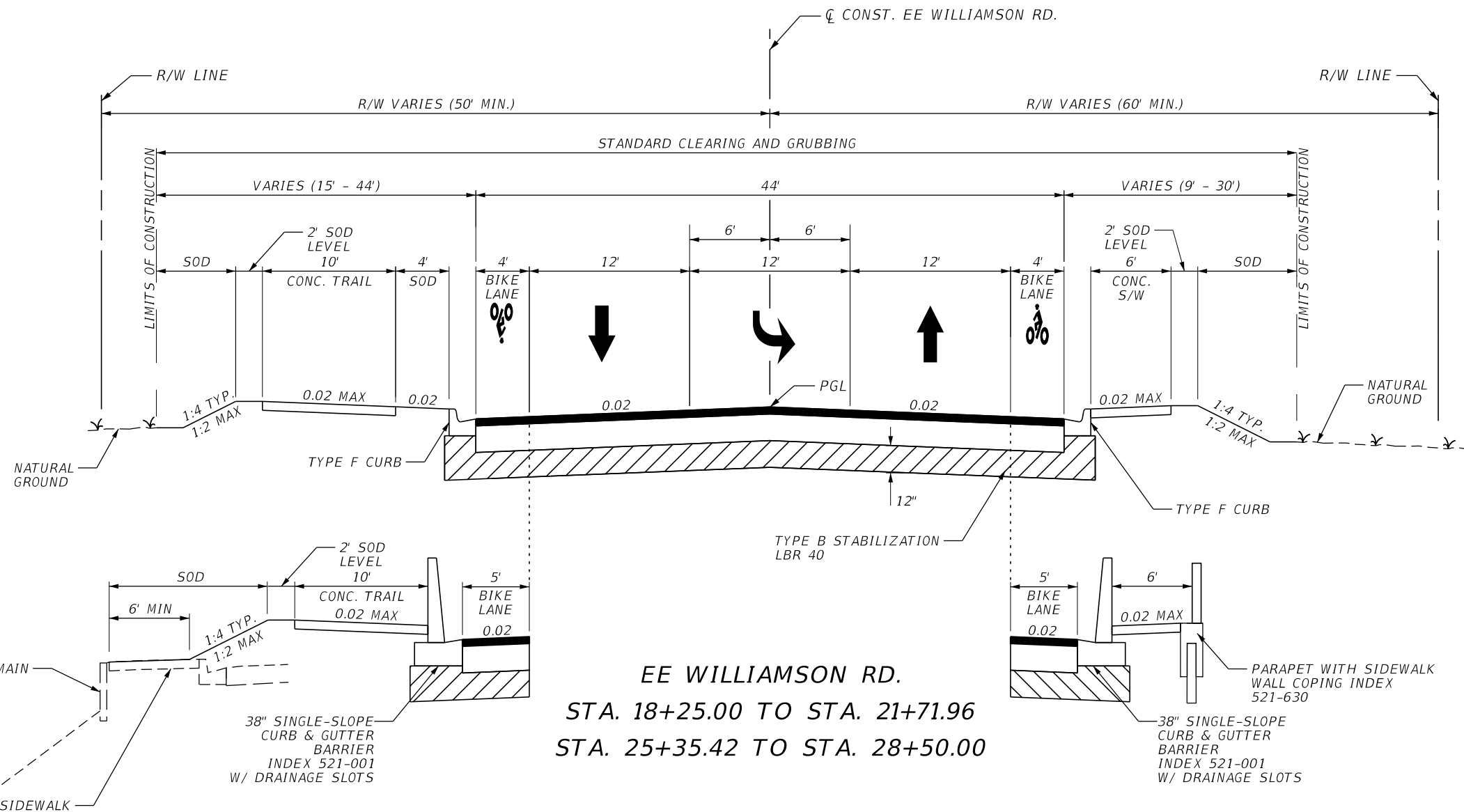
MES, PIPE
INV. ELEV. 86.11
15" CMP
- 21

ENDWALL, PIPE
INV. ELEV. 81.47
19"X30" ERCP
- 22

ENDWALL, PIPE
TOP ELEV. 85.23
INV. ELEV. 82.43
- 23

INLET, PIPE
BASIN ELEV. 86.04
INV. ELEV. 82.65

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 LISA M. H. OLIVERA, P.E. NO. 56056	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			EXISTING DRAINAGE STRUCTURE DATA	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		



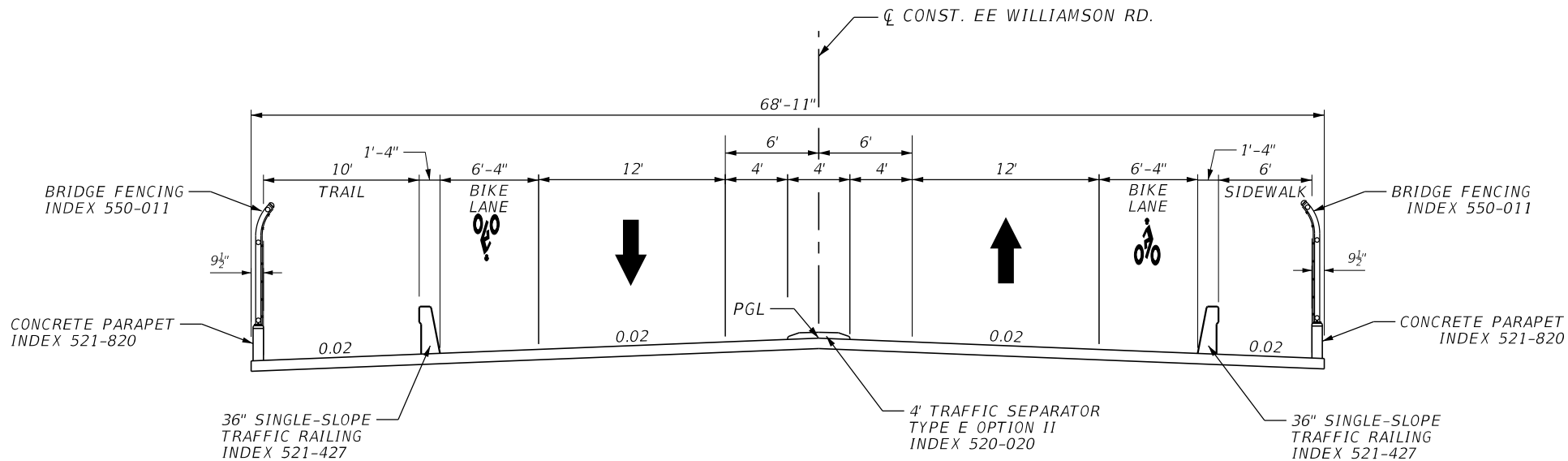
TRAFFIC DATA

CURRENT YEAR = 2018 AADT = 12,600
 ESTIMATED OPENING YEAR = 2020 AADT = 13,000
 ESTIMATED DESIGN YEAR = 2040 AADT = 15,000
 K = 9.0% D = 53.10% T = 5.6% (24 HOUR)
 DESIGN HOUR T = EEW
 DESIGN SPEED = 40 MPH
 POSTED SPEED = 35 MPH

TRAVEL AND BIKE LANES

OPTIONAL BASE GROUP 9 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2") (PG 76-22)
 AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		



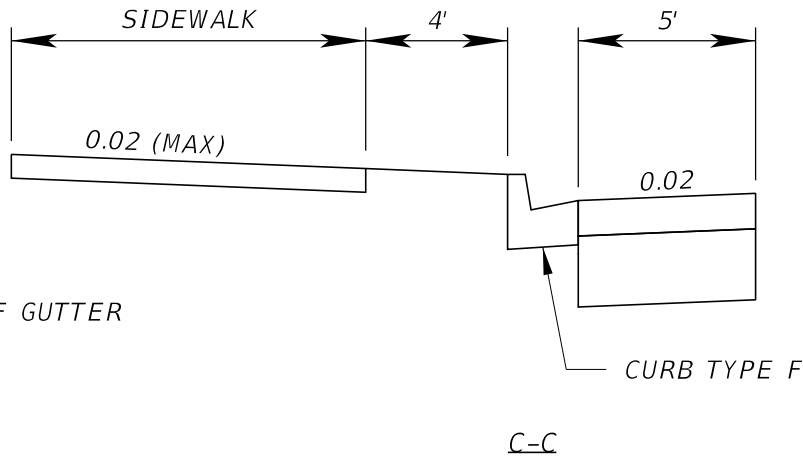
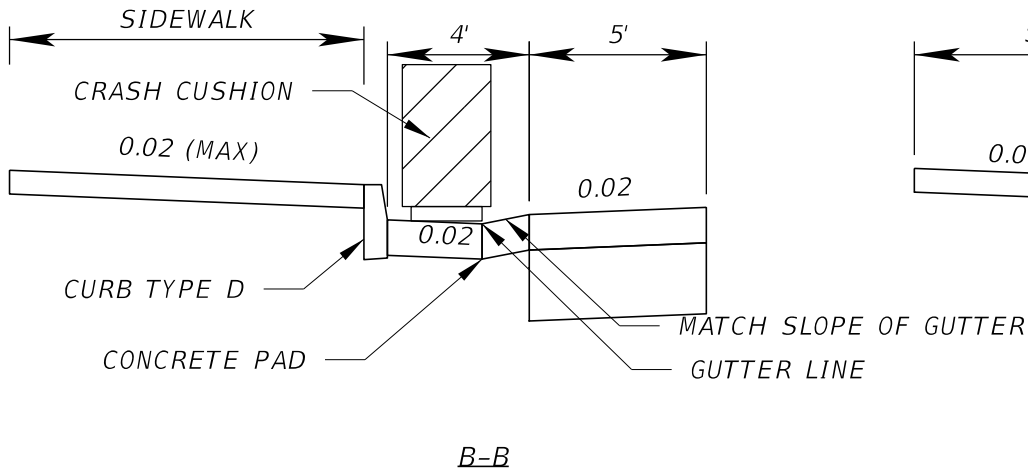
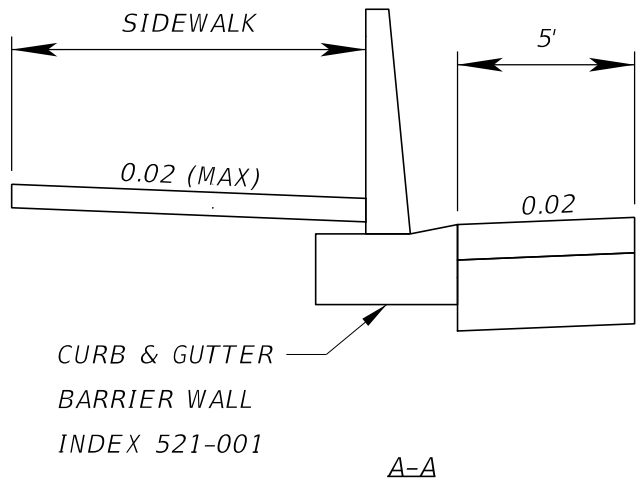
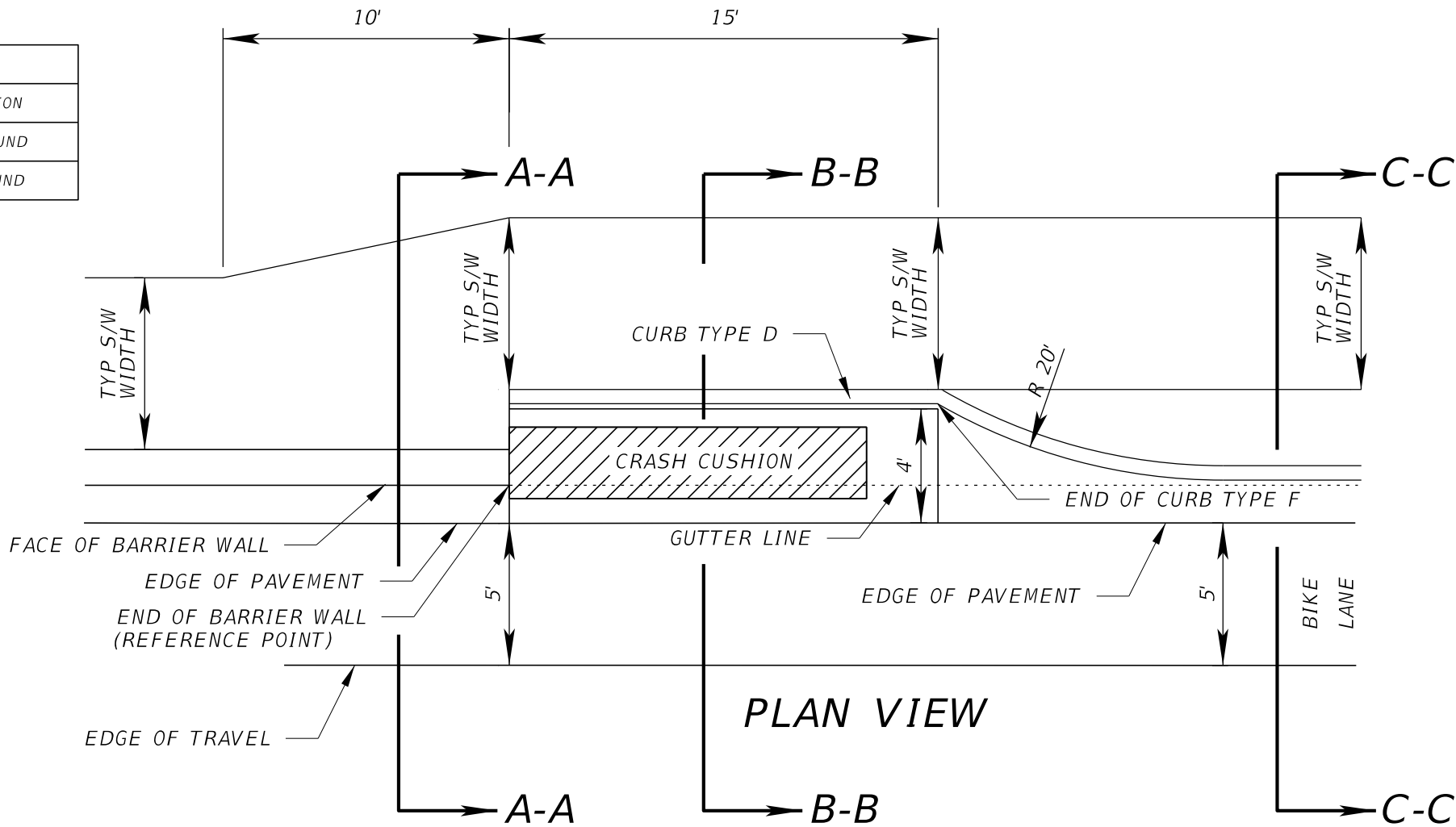
EE WILLIAMSON RD. BRIDGE
STA. 21+71.96 TO STA. 25+35.42

TRAFFIC DATA

CURRENT YEAR = 2018 AADT = 12,600
ESTIMATED OPENING YEAR = 2020 AADT = 13,000
ESTIMATED DESIGN YEAR = 2040 AADT = 15,000
K = 9.0% D = 53.10% T = 5.6% (24 HOUR)
DESIGN HOUR T = EEW
DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		10

LENGTH OF NEED	
LENGTH	DIRECTION
7.25'	WESTBOUND
93.00'	EASTBOUND



REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			BARRIER WALL SPECIAL DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		11
						SEMINOLE	439682-4-52-01		

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL				CURB INLETS	CLOSED FLUME INLETS	MANHOLES		BARRIER WALL INLET	DITCH BOTTOM INLETS		CROSS DRAIN MITERED END SECTION	SIDE DRAIN MITERED END SECTION	STRAIGHT CONCRETE ENDWALL	MODIFY INLET	REMARKS		
						ROUND			OTHER			P-1	P-7	P-8	C&G							C	
						15"	18"	24"	19" X 30"			<10'	PART.	<10'	<10'	>10'						<10'	MODIFY
P	EX-2	15+06.19	RT.	INLET																1			
F																							
P	S-1	16+25.00	LT.	INLET, PIPE	1		63			1													
F																							
P	S-2	16+25.00	RT.	INLET, PIPE	1		116			1													
F																							
P	S-3	16+25.00	RT.	INLET, PIPE	1		9								1								
F																							
P	S-4	21+60.00	RT.	INLET, PIPE	1		46						1										
F																							
P	S-5	21+60.00	LT.	INLET, PIPE	1		110						1										
F																							
P	S-5A	20+50.00	LT.	MANHOLE, PIPE	1		15					1											
F																							
P	S-6	20+50.00	LT.	MES	1											1					1:2		
F																							
P	S-7	NOT USED																					
F																							
P	S-8	NOT USED																					
F																							
P	S-9	27+60.36	RT.	INLET, PIPE	1	22							1										
F																							
P	S-10	27+64.55	LT.	MANHOLE								1											
F																							
P	S-11	28+52.55	LT.	MES	1													1			1:4		
F																							
P	S-12	30+00.00	LT.	INLET, PIPE	1		148								1								
F																							
P	S-13	30+00.00	RT.	INLET							1										TYPE I, 1 BARREL		
F																							
P	S-14	30+00.00	RT.	INLET, PIPE	1				56							1					ALT. B, 4' X 7'		
F																							
Sheet TOTAL					P Total	22	507	0	56	2	1	1	2	1	2	1	1	1	0	1			
					F Total																		

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

HORIZON ENGINEERING GROUP, INC.
2603 Maitland Center Pkwy., Suite B
Maitland, Florida 32751
Phone: 407-644-7755
Certificate of Authorization No.: 00009544
LISA M. H. OLIVERA, P.E. NO. 56056

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	SEMINOLE	439682-4-52-01

SUMMARY OF
DRAINAGE STRUCTURES

SHEET NO.
12

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

jaschneeberger7/16/20181:50:41 PMX:\1050817_06_EEWilliamson\43968245201\drainage\SUMDRD01.DGN

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL				CURB INLETS	CLOSED FLUME INLETS	MANHOLES		BARRIER WALL INLET		DITCH BOTTOM INLETS		CROSS DRAIN MITERED END SECTION	SIDE DRAIN MITERED END SECTION	STRAIGHT CONCRETE ENDWALL	MODIFY INLET	REMARKS					
						ROUND			OTHER			P-1	P-7	P-8	C&G		C										
						15"	18"	24"	19" X 30"			<10'	PART.	<10'	<10'	>10'	<10'						MODIFY	18"	18"	24"	EA
P	S-15	30+90.00	LT.	INLET							1										TYPE II, 1 BARREL						
F																											
P	S-16	32+42.00	LT.	INLET, PIPE	1		240			1																	
F																											
Sheet TOTAL				P Total		0	240	0	0	1	1	0	0	0	0	0	0	0	0	0							
				F Total																							
GRAND Summary				P Total		22	747	0	56	3	2	1	1	2	1	2	1	1	1	0	1						
				F Total																							

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 LISA M. H. OLIVERA, P.E. NO. 56056	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF DRAINAGE STRUCTURES		SHEET NO.
DATE	DESCRIPTION		DATE		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
						SEMINOLE	439682-4-52-01			13

[illegible]

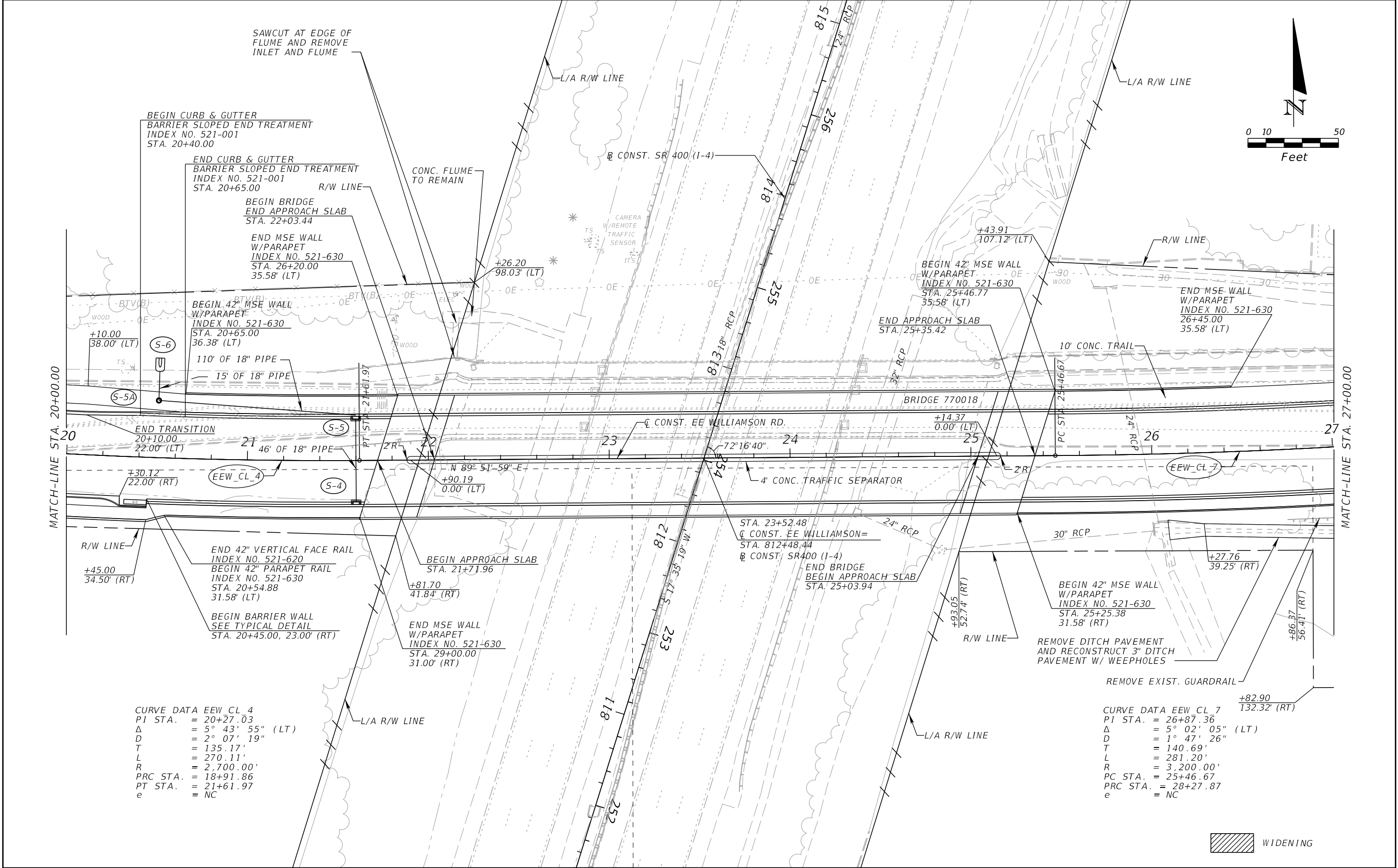
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 LISA M. H. OLIVERA, P.E. NO. 56056	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>OPTIONAL MATERIALS</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		14
						SEMINOLE	439682-4-52-01		

GENERAL NOTES

1. BENCH MARK DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).
2. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED.
3. SPECIAL EVENTS DAYS FOR THIS PROJECT:
*UNIVERSITY OF CENTRAL FLORIDA HOME GAMES
*RED HOT & BOOM FIREWORKS DISPLAY
*DAYTONA BIKE WEEK
*BIKETOBERFEST

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		15
						SEMINOLE	439682-4-52-01		

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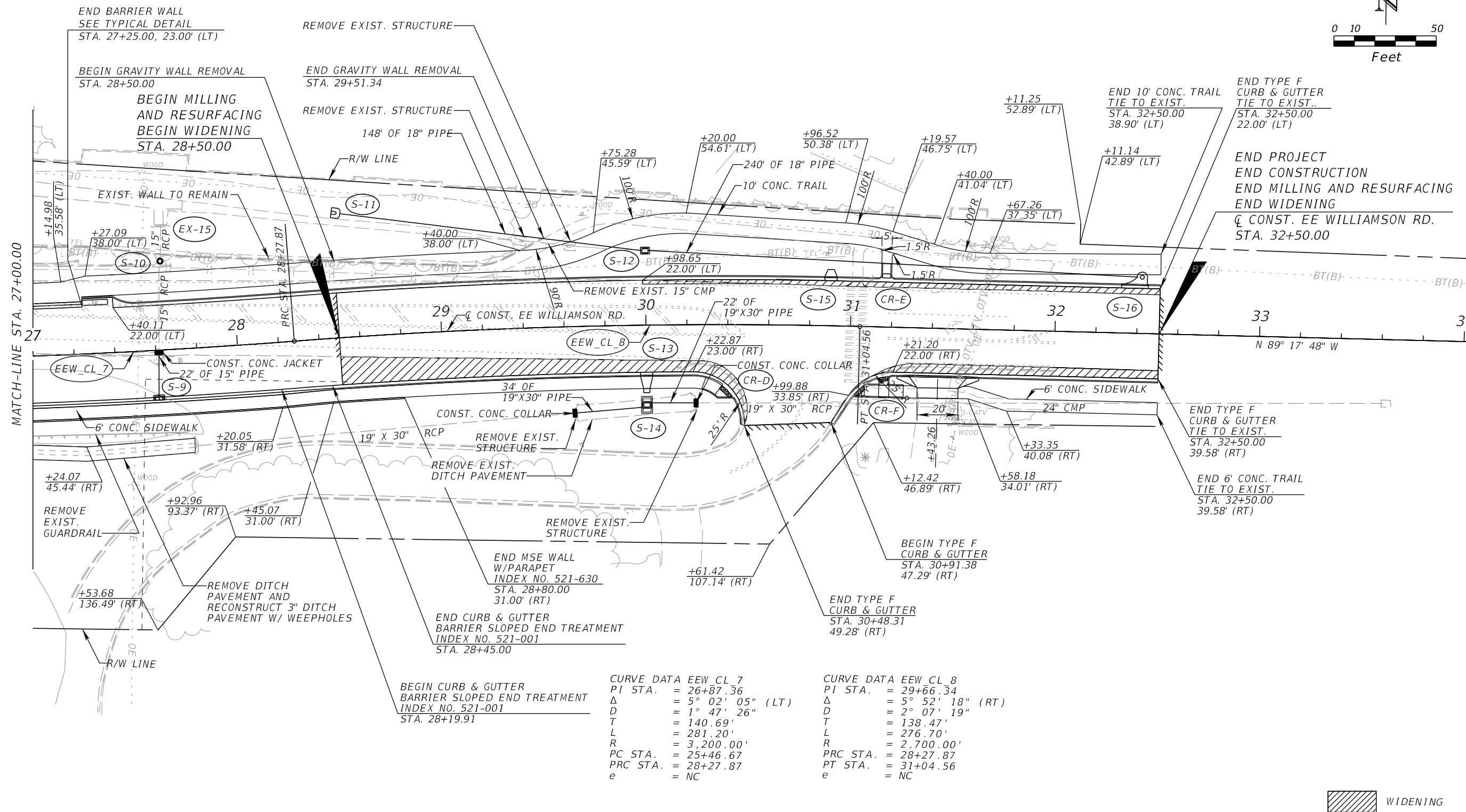
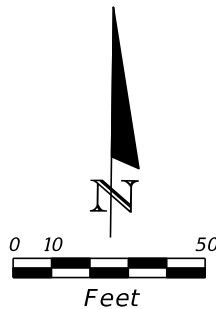


CURVE DATA EEW CL 4
PI STA. = 20+27.03
Δ = 5° 43' 55" (LT)
D = 2° 07' 19"
T = 135.17'
L = 270.11'
R = 2,700.00'
PRC STA. = 18+91.86
PT STA. = 21+61.97
e = NC

CURVE DATA EEW CL 7
PI STA. = 26+87.36
Δ = 5° 02' 05" (LT)
D = 1° 47' 26"
T = 140.69'
L = 281.20'
R = 3,200.00'
PC STA. = 25+46.67
PRC STA. = 28+27.87
e = NC

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (2)	SHEET NO. 17
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		

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



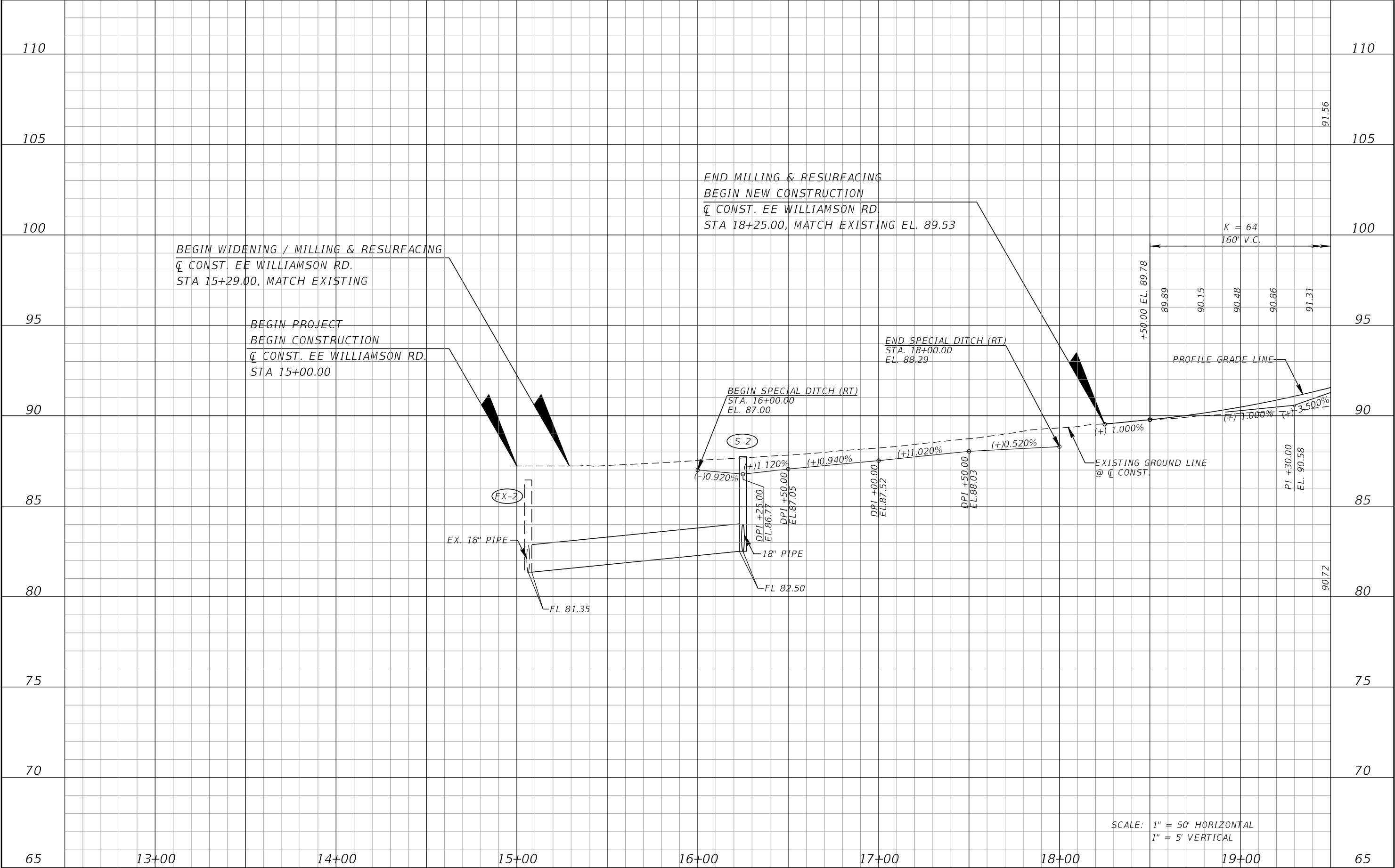
CURVE DATA EEW CL 7
PI STA. = 26+87.36
Δ = 5° 02' 05" (LT)
D = 1° 47' 26"
T = 140.69'
L = 281.20'
R = 3,200.00'
PC STA. = 25+46.67
PRC STA. = 28+27.87
e = NC

CURVE DATA EEW CL 8
PI STA. = 29+66.34
Δ = 5° 52' 18" (RT)
D = 2° 07' 19"
T = 138.47'
L = 276.70'
R = 2,700.00'
PRC STA. = 28+27.87
PT STA. = 31+04.56
e = NC

WIDENING

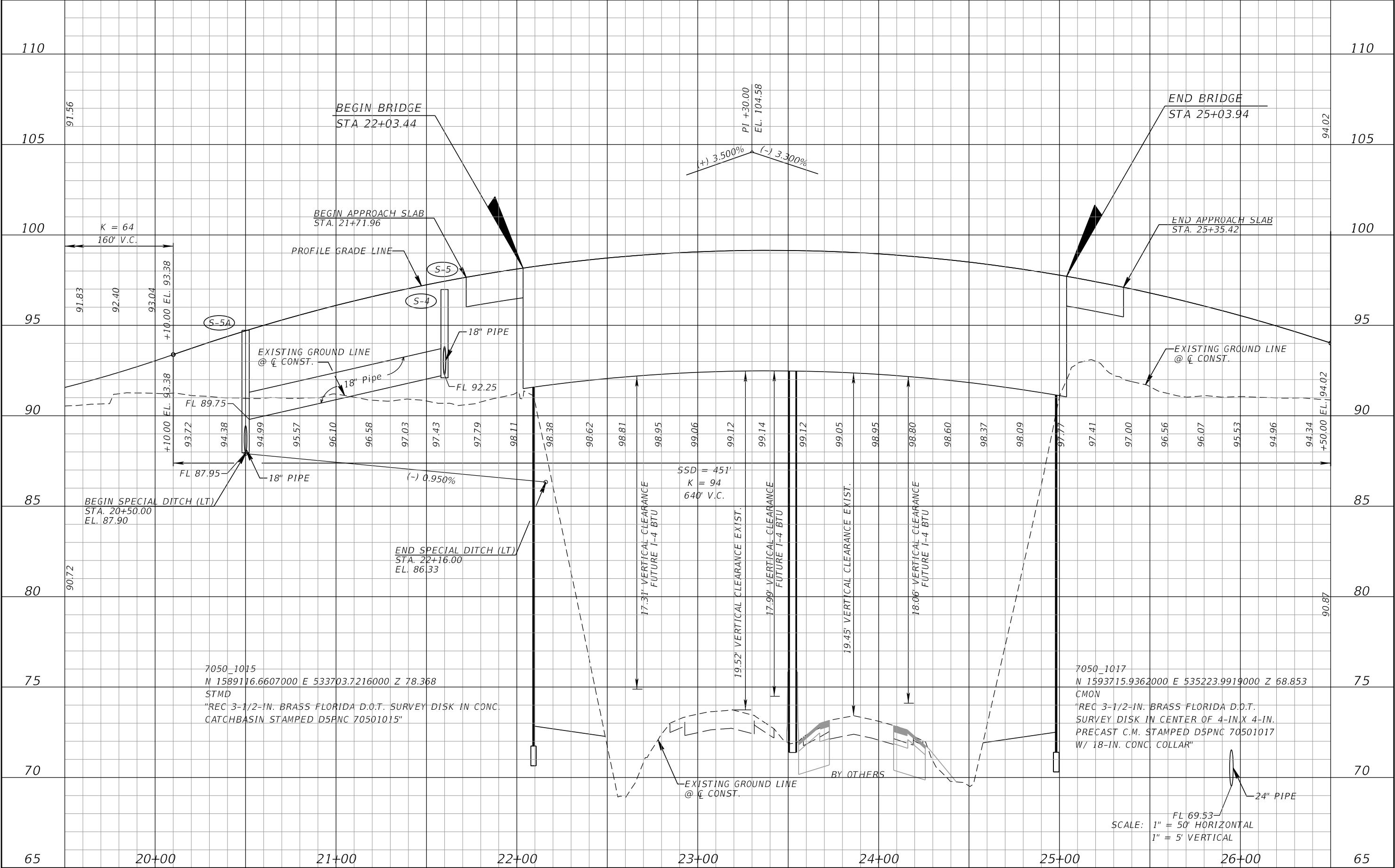
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		18

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



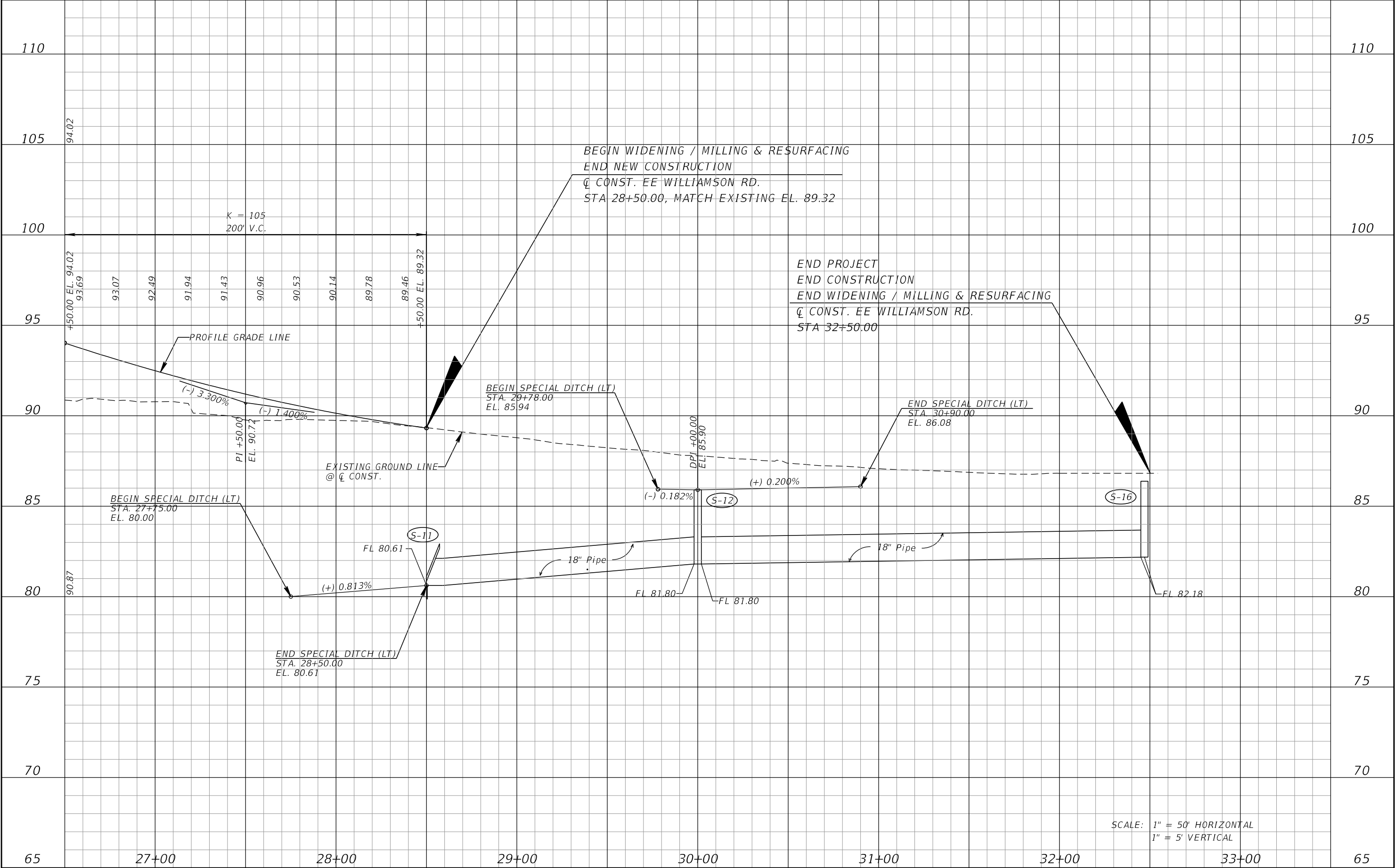
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROADWAY PROFILE		SHEET NO. 19
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY			
							SEMINOLE		439682-4-52-01	

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



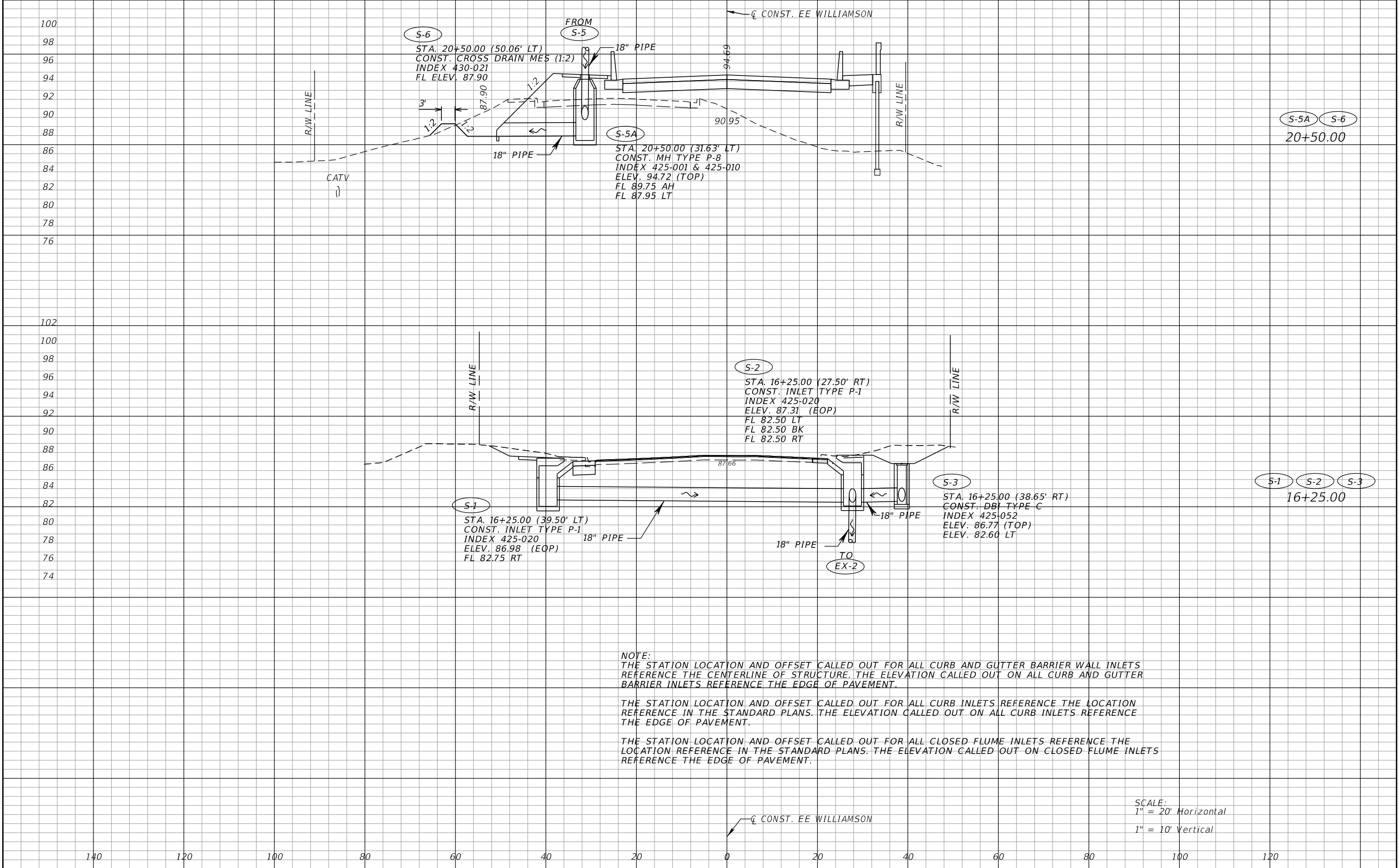
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PROFILE	SHEET NO. 20
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		

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



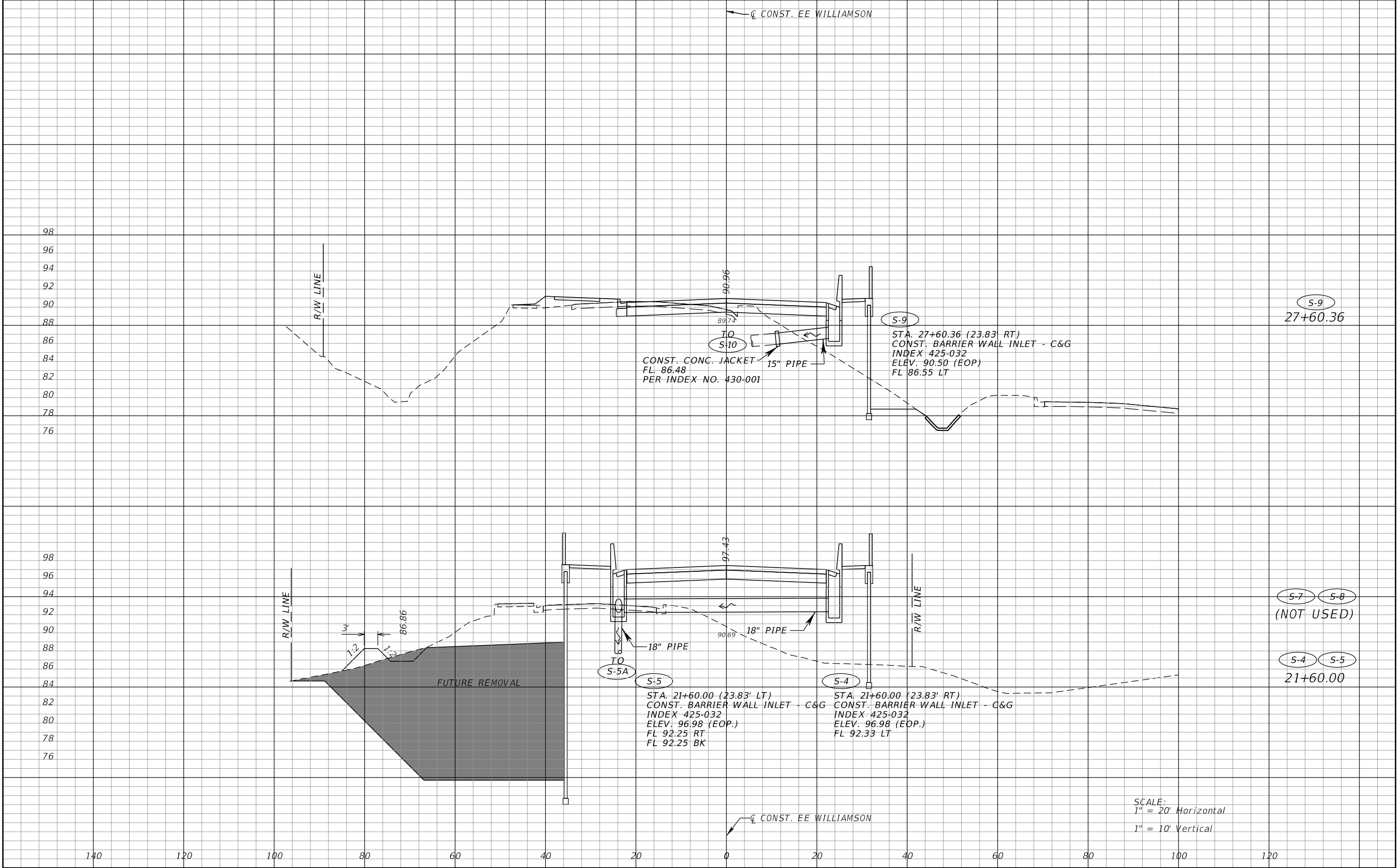
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROADWAY PROFILE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SEMINOLE	439682-4-52-01	21

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



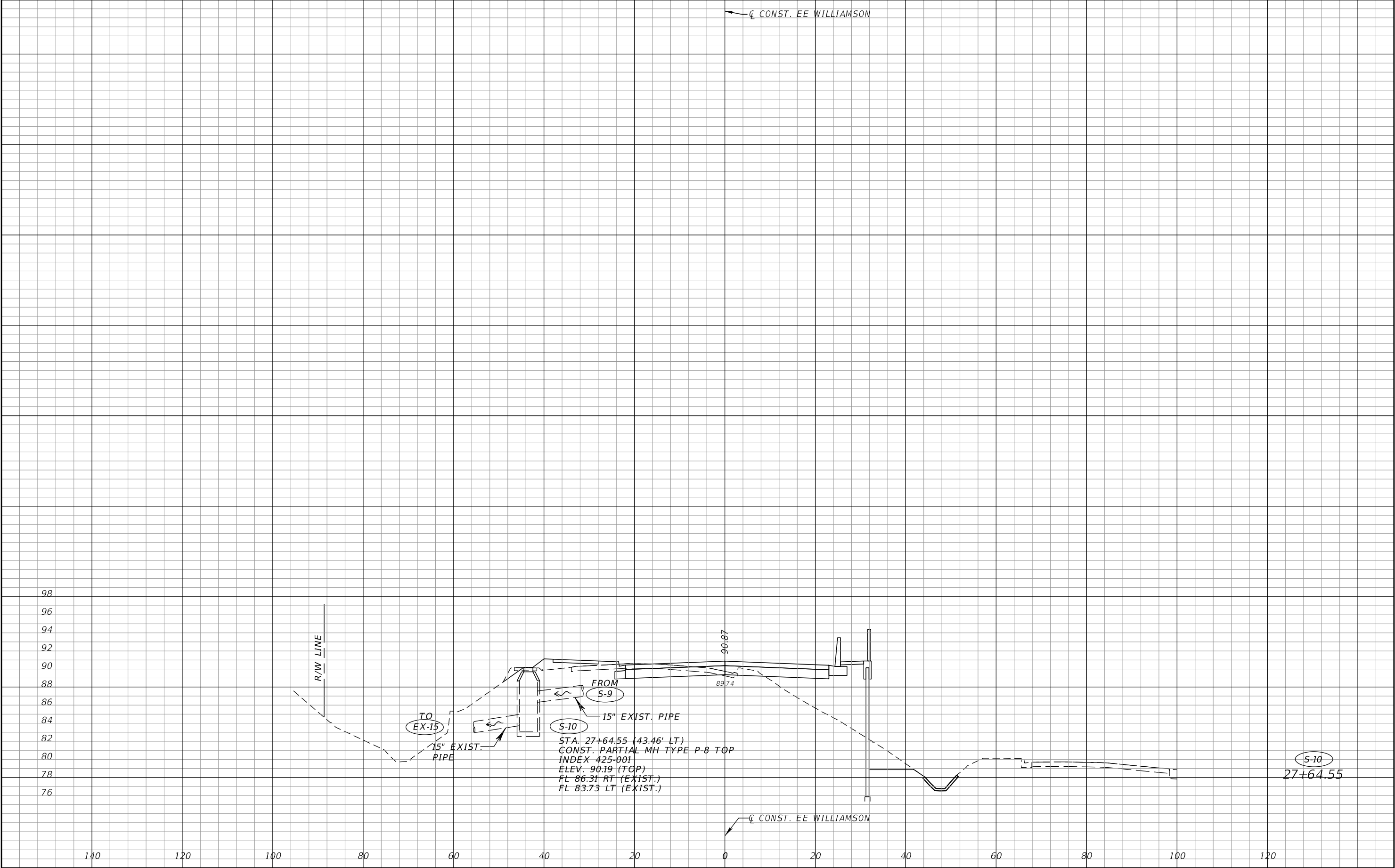
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 LISA M. H. OLIVERA, P.E. NO. 56056	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURE CROSS SECTIONS	SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		

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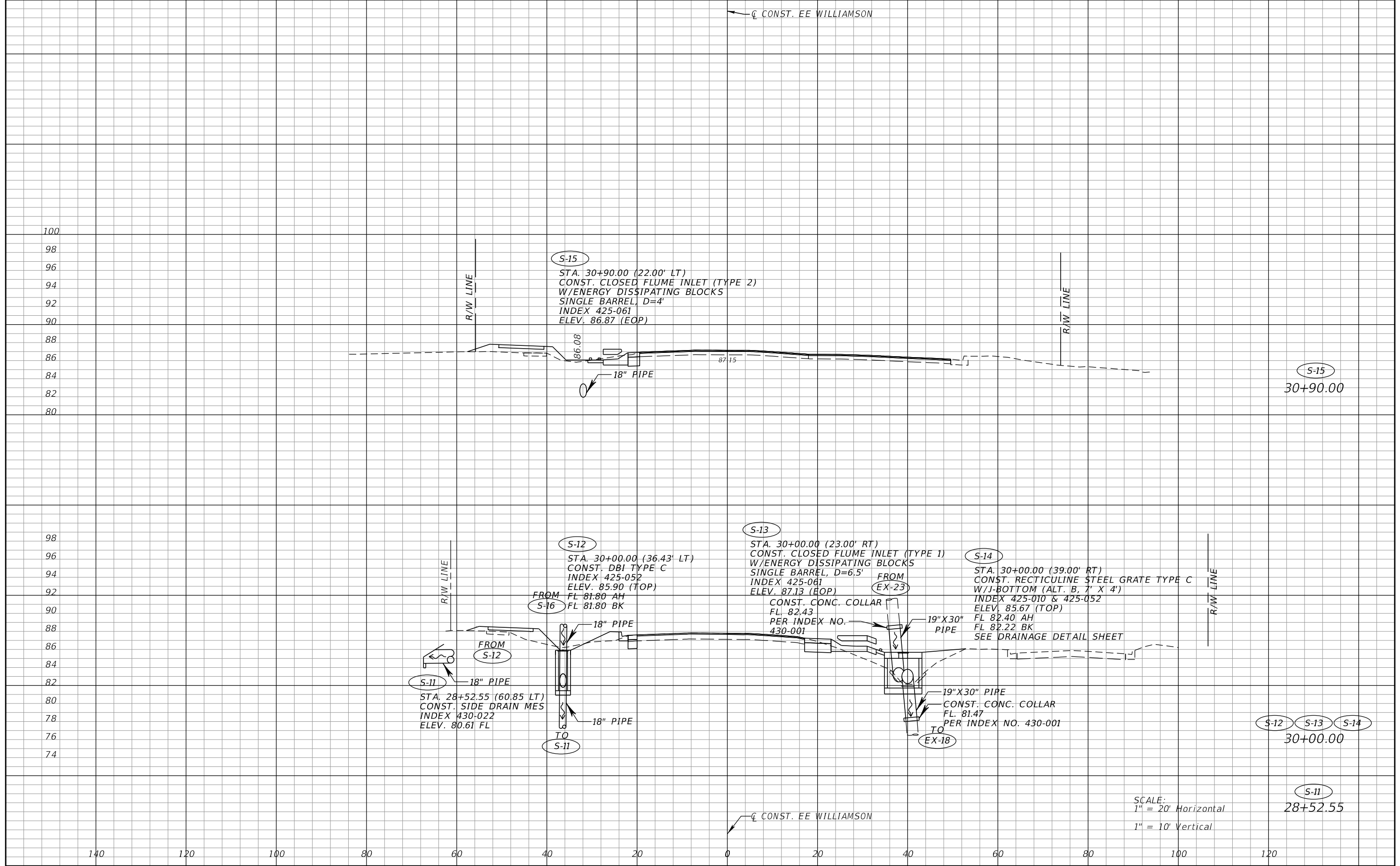
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 LISA M. H. OLIVERA, P.E. No. 56056	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURE CROSS SECTIONS	SHEET NO. 23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		

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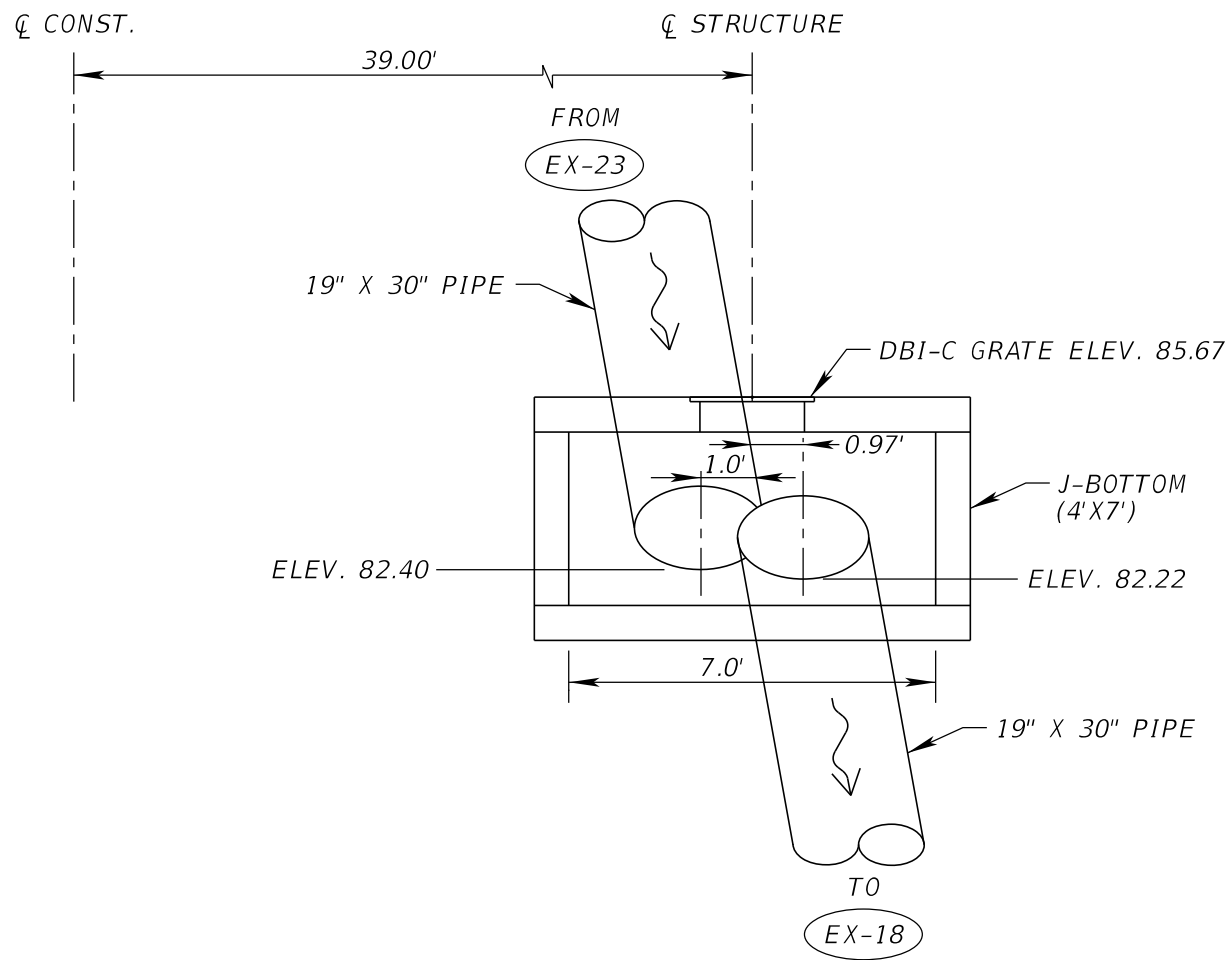
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 LISA M. H. OLIVERA, P.E. NO. 56056	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURE CROSS SECTIONS		SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
						SEMINOLE	439682-4-52-01			

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		

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DRAINAGE STRUCTURE (S-14)

STA. 30+00.00 (RIGHT)
NOT TO SCALE

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 LISA M. H. OLIVERA, P.E. NO. 56056	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE DETAIL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		26

DATE OF SURVEY:

FEBRUARY 2018 TO JULY 2018

SURVEY MADE BY:

TIERRA, INC.

SUBMITTED BY:

MUSTAPHA ABBOUD, P.E.

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

MATERIALS AND RESEARCH

DISTRICT:

5

ROAD NO.:

400

COUNTY:

SEMINOLE

FINANCIAL PROJECT ID : 439682-4-52-01

PROJECT NAME: E.E. WILLIAMSON BRIDGE REPLACEMENT OVER S.R. 400 (I-4)

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SURVEY BEGINS STA. : 15+32.18 SURVEY ENDS STA. : 32+50.23 REFERENCE: CENTERLINE CONSTRUCTION E.E. WILLIAMSON

ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS						ATTERBERG LIMITS (%)				CORROSION TEST RESULTS						
STRATUM NO.	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	--	--	--	--	13	100	93-95	69-78	25-36	4-14	--	--	--	A-3/A-2-4	LIGHT BROWN TO GRAY SAND TO SAND WITH SILT TO SILTY SAND	4	26,000-52,000	15	<5	5.6-6.5

NOTES:

1. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY SUBSOIL CONNECTING LINES SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4. FOR FURTHER DETAILS SEE SECTION 120-3.

2. GROUNDWATER LEVEL AS SHOWN AS ▼ WHERE ENCOUNTERED. GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE". GROUNDWATER NOT APPARENT DUE TO THE INTRODUCTION OF DRILLING FLUID SHOWN AS "GNA".

3. SOIL ANALYSIS INCLUDES DATA FROM ROADWAY AREA.

4. THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.

5. STRATUM 1 SHALL BE TREATED AS SELECT (S) IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001.

REVISIONS				MUSTAPHA A. ABBOUD, P.E. P.E. LICENSE NUMBER 56112 TIERRA, INC. 591 SUSAN B. BRITT COURT WINTER GARDEN, FLORIDA 34787 CERTIFICATE OF AUTHORIZATION NO. 6486	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY SOIL SURVEY	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		27

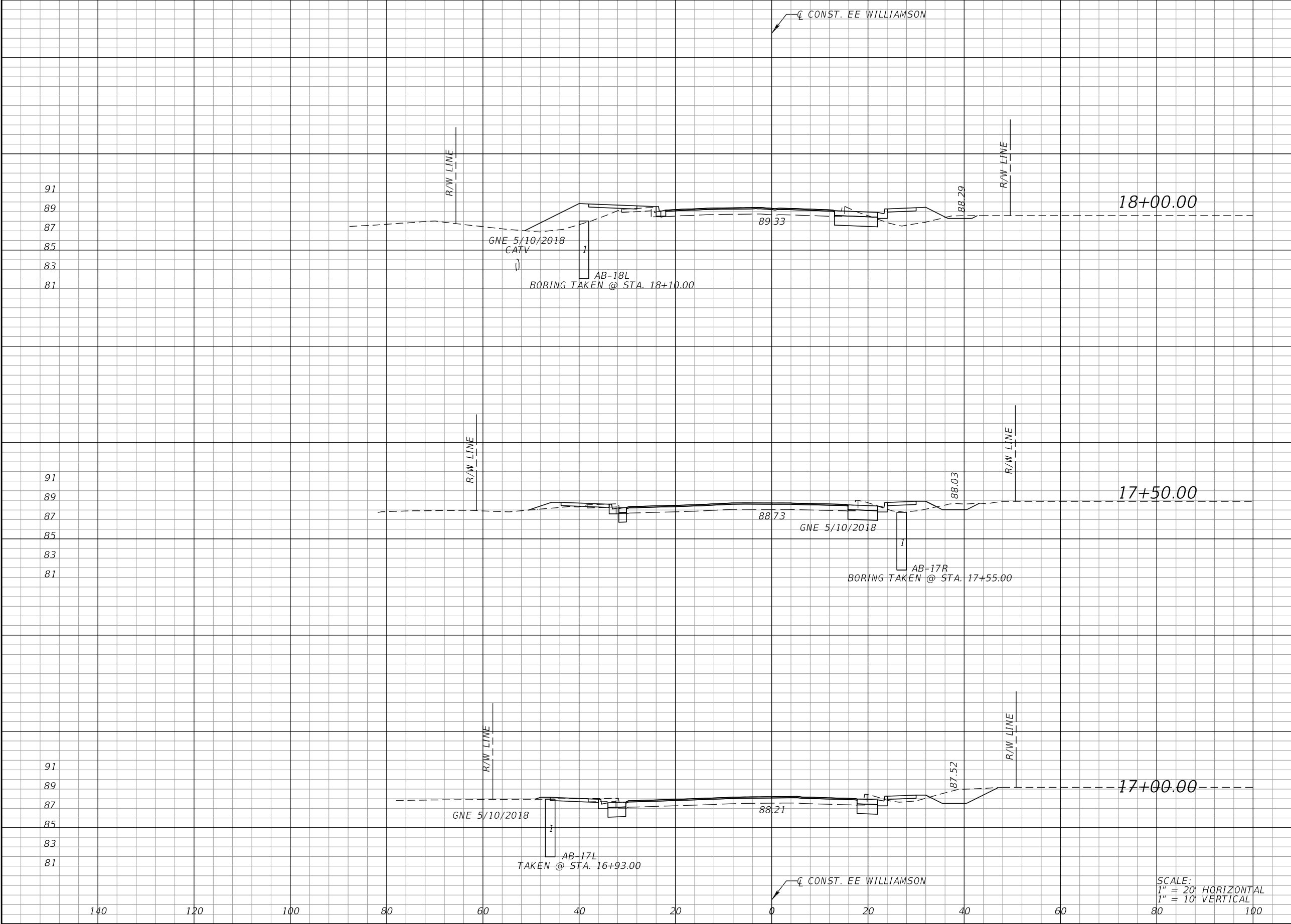
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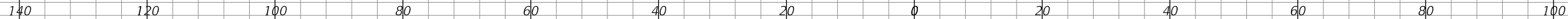
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Regular		Exc.	Embankment	
A		V	A	V

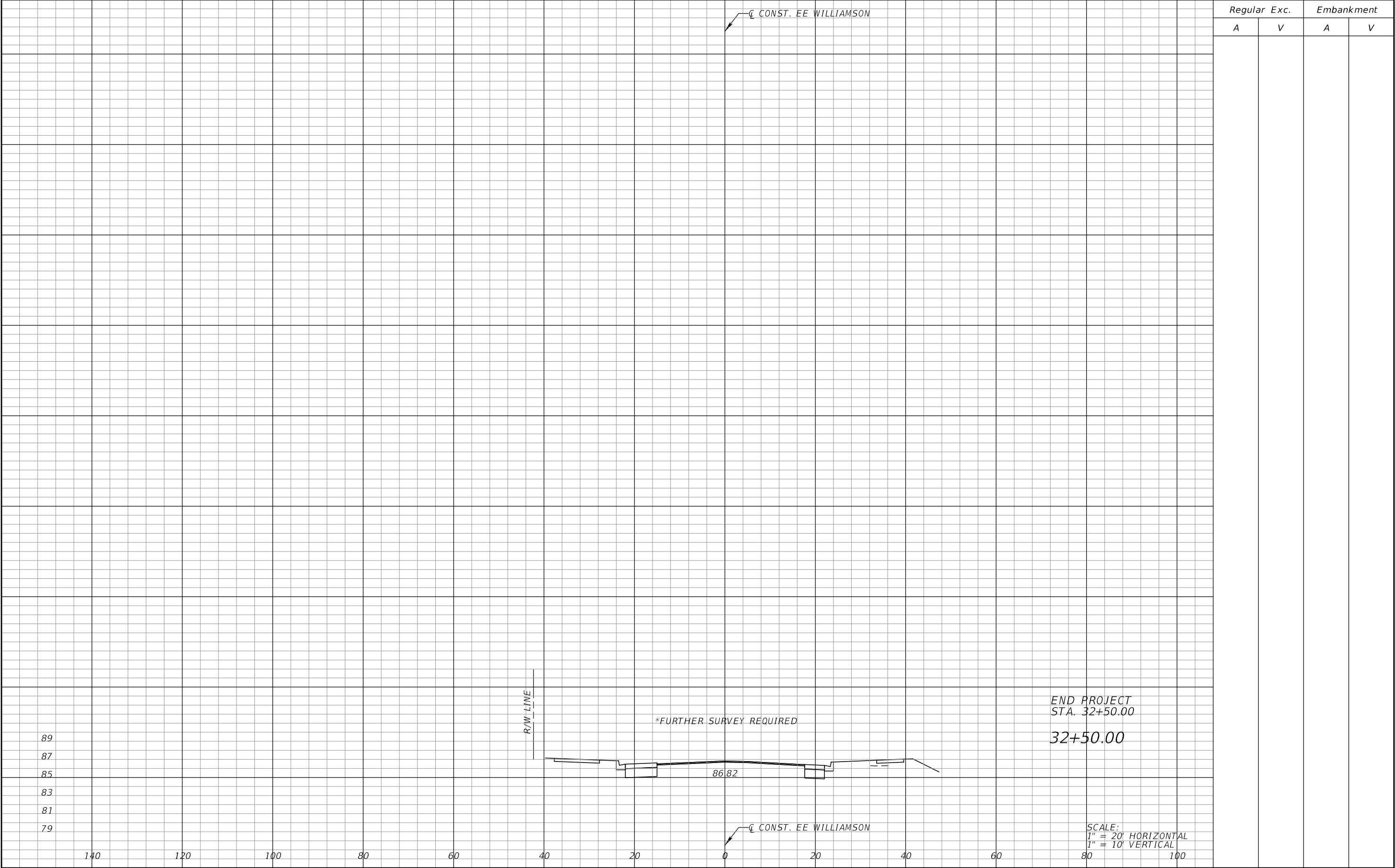
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		29

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REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		32
						SEMINOLE	439682-4-52-01		

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REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		43
						SEMINOLE	439682-4-52-01		

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

THE FOLLOWING NARRATIVE OF THE STORM WATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORM WATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION. 1. SITE DESCRIPTION A) NATURE OF CONSTRUCTION ACTIVITY: THE PROPOSED PROJECT IS THE REPLACEMENT, RECONSTRUCTION AND RESURFACING OF E.E. WILLIAMSON BRIDGE OVER SR-400 FROM SUNSHINE TREE BLVD TO EAST OF PENELOPE DR. THE CONSTRUCTION LIMITS EXTEND FROM STA. 15+00.00 TO STA. 32+50.00. THE PROJECT LENGTH IS APPROXIMATELY 0.33 MILES. B) SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES: THE FOLLOWING SEQUENCE OF MAJOR ACTIVITIES SHALL BE FOLLOWED UNLESS THE CONTRACTOR CAN PROPOSE AN ALTERNATIVE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND SEDIMENT, AND IS APPROVED BY THE ENGINEER. THE PROPOSED SEQUENCING SHALL BE: 1. INSTALL ALL EROSION AND SEDIMENT CONTROLS PRIOR TO COMMENCEMENT OF CONSTRUCTION 2. ADJUSTMENTS OF UNDERGROUND UTILITIES AFFECTED BY THIS PROJECT. 3. CLEARING AND GRUBBING, EARTHWORK, AND ROADWAY MILLING AND RESURFACING. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES, IN THE SECTION 104 - EROSION CONTROL PLAN. C) AREA ESTIMATES: TOTAL SITE AREA: 3.76 AC TOTAL AREA TO BE DISTURBED: 2.04 AC D) RUNOFF DATA: * RUNOFF COEFFICIENTS: BEFORE: 0.56 DURING: 0.72 AFTER: 0.72 *SOIL DATA: SOIL INFORMATION WAS OBTAINED FROM THE NRCS SOIL SURVEY FOR SEMINOLE COUNTY, FL. WHICH LISTS TWO DIFFERENT SOIL TYPES LOCATED IN THE PROJECT AREA AND NO ONE SOIL BEING MOST PREVALENT. IN GENERAL, THE PROJECT IS DOMINATED BY WELL DRAINED. THE TWO TYPES OF SOILS ARE: - ASTULA-APOPKA FINE SANDS - URBAN LAND * DRAINAGE AREAS FOR EACH OUTFALL: THE WEST SIDE DRAINS SOUTH WEST CORNER OF THE PROJECT INTO AN EXISTING EXILTRATION TRENCH. THE REST OF THE PROJECT ULTIMATELY DISCHARGES TO GRACE LAKE DISCHARGE TO LAKE IS VIA FLOODPLAINS AND ROADSIDE DITCHES AND THEN TO GRACE LAKE. SOUTH WEST BASIN (STA. 15+06.24 TO STA. 21+60.00): OUTFALL - N 28°42'45", W 81°23'00" NORTH WEST BASIN (STA. 21+60.00 TO STA. 23+39.41): OUTFALL - N 28°43'00", W 81°22'45" NORTH EAST BASIN (STA. 23+39.41 TO STA. 32+50.00): OUTFALL - N 28°43'00", W 81°22'45" SOUTH EAST BASIN (STA. 30+00.00 TO STA. 32+50.00): OUTFALL - N 28°42'45", W 81°22'30"				E) SITE MAP: THE CONSTRUCTION PLANS ARE BEING USED AS THE REQUIRED SITE MAP. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. ALL INFORMATION DISCUSSED BELOW WILL BE IDENTIFIED AS TO ITS LOCATION ON THE KEY SHEET OF THESE CONSTRUCTION PLANS. * DRAINAGE PATTERNS: THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAPS. RUNOFF IS COLLECTED AND CONVEYED BY ONSITE STORM SEWER SYSTEMS AND ROADSIDE DITCHES. * APPROXIMATE SLOPES: THE SLOPES ALONG THE PROJECT CAN BE FOUND IN THE PROFILES, DRAINAGE STRUCTURE CROSS SECTIONS, AND THE ROADWAY CROSS SECTIONS. * AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE SHOWN ON THE TYPICAL SECTIONS, DRAINAGE STRUCTURE SECTIONS, ROADWAY CROSS SECTIONS, AND ROADWAY PLAN SHEETS. * AREAS NOT TO BE DISTURBED: THE EXISTING ROADWAY WILL BE MILLED AND RESURFACED FROM STA. 15+00.00 TO STA. 18+25.00 AND FROM 28+50.00 TO END OF THE PROJECT AND WILL THEREFORE NOT CONTRIBUTE TO THE DISTURBED AREA FOR THIS PROJECT. * LOCATIONS OF CONTROLS: THE TEMPORARY CONTROLS ARE SHOWN ON THE TEMPORARY TRAFFIC CONTROL PLANS. THE FILL SLOPES ARE BE SODDED ACCORDING TO THE TYPICAL SECTIONS. * AREAS TO BE STABILIZED: THE MAINLINE OF E.E. WILLIAMSON AS WELL AS THE SIDE STREETS WILL BE PERMANENTLY STABILIZED WITH ASPHALT. ALL OTHER DISTURBED AREAS WILL BE PERMANENTLY STABILIZED WITH PERFORMANCE TURF (SOD). THESE DETAILS ARE SHOWN ON THE TYPICAL SECTIONS AND ROADWAY PLAN SHEETS. * SURFACE WATERS AND WETLANDS WITHIN THE SITE: THERE ARE NO WETLANDS OR SURFACE WATERS WITHIN THE PROJECT LIMITS. F) RECEIVING WATERS: THE PROJECT DISCHARGES TO A DEPRESSIONAL AREA (AKA MARKHAM WOODS CHURCH & CHRISTIAN ACADEMY ATHLETIC FIELDS) ON THE WEST SIDE OF THE INTERSTATE AND INTO GRACE LAKE ON THE EAST SIDE OF THE INTERSTATE. THESE TWO AREAS ARE CONNECTED BY A 48-INCH EQUALIZER PIPE CROSSING THE INTERSTATE. 2. CONTROLS PHASING PHASE 1 1.INSTALL PROJECT INFORMATION SIGNS, TEMPORARY TRAFFIC CONTROL SIGNS AND EROSION CONTROL. 2.INSTALL WORK ZONE CHANNELIZING DEVICES. 3.MILL AND RESURFACE THE OUTSIDE TRAVEL LANE AND AUXILIARY LANE, EXCEPT FRICTION COURSE. PHASE 2 1.MAINTAIN TEMPORARY TRAFFIC CONTROL SIGNS AND EROSION CONTROL. 2.INSTALL WORK ZONE CHANNELIZING DEVICES. 3.MILL AND RESURFACE THE INSIDE AND CENTER TRAVEL LANE, EXCEPT FRICTION COURSE. PHASE 3 1.MAINTAIN TEMPORARY TRAFFIC CONTROL SIGNS AND EROSION CONTROL. 2.INSTALL WORK ZONE CHANNELIZING DEVICES. 3.MILL AND RESURFACE THE RAMP TRAVEL LANE(S) AND SHOULDERS. 4.MILL AND RESURFACE TRAVEL LANES AND AUXILIARY LANES WITH FRICTION COURSE. 5.REMOVE TEMPORARY TRAFFIC CONTROL SIGNS AND EROSION CONTROL. A) EROSION AND SEDIMENT CONTROLS: THE CONTRACTOR IS ADVISED THAT THE CONTRACT DRAWINGS ONLY INDICATE EROSION, SEDIMENT, AND TURBIDITY CONTROLS AT LOCATIONS DETERMINED IN THE DESIGN PROCESS. THE CONTRACTOR IS REQUIRED TO UPDATE THE SWPPP TO REFLECT ANY ADDITIONAL CONTROLS NECESSARY TO PREVENT THE POSSIBILITY OF SILT LEAVING THE RIGHT OF WAY, ENTERING RECEIVING WATER, OR OTHERWISE VIOLATING STATE AND FEDERAL PERMIT REQUIREMENTS.				DURING THE CONSTRUCTION OPERATIONS, THE FOLLOWING CONTROL MEASURES WILL BE USED TO PREVENT EROSION AND SEDIMENTATION: CLEARING AND GRUBBING OPERATIONS ARE TO BE CONTROLLED SO AS TO MINIMIZE UNPROTECTED ERODIBLE AREAS EXPOSED TO WEATHER. AREAS OUTSIDE THE LIMITS OF CONSTRUCTION WILL NOT BE DISTURBED. EXCAVATED MATERIAL WILL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR STORM WATER RUNOFF, AND STOCKPILES SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES. NEW AND EXISTING STRUCTURES WILL BE PROTECTED FROM SILTATION DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING MEASURES: * DEVELOPING A DETAILED EROSION AND SEDIMENT CONTROL PLAN. THE PLAN WILL INCLUDE: 1) PROJECT SCHEDULE WITH EROSION AND SEDIMENT CONTROL INSTALLATIONS AND MAINTENANCE TIED TO SPECIFIC DATES OR CONSTRUCTION ACTIVITIES. 2) ALTERATIONS TO THE DESIGN EROSION AND SEDIMENT CONTROLS DUE TO DIFFERENCES BETWEEN THE FDOT'S DESIGN PLANS AND ANTICIPATED CONSTRUCTION PHASING AND THE CONTRACTOR'S CONSTRUCTION METHODS AND PHASING. 3) NAME AND PHONE NUMBER OF CONTRACTOR'S REPRESENTATIVE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE ON A 24-HOUR BASIS. * EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL DEVICES WILL BE EMPLOYED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE. * STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. * PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATION, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED. * THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND SUBSEQUENTLY REMOVE, ALL NECESSARY EROSION CONTROL AND ANY OTHER MISCELLANEOUS ITEMS AS INDICATED WITHIN THE CONTRACT DOCUMENTS, OR AS REQUIRED PER APPLICABLE STANDARDS OR THE ENGINEER. * THE CONTRACTOR IS ADVISED THAT EROSION AND SEDIMENT CONTROLS SHALL BE CONSTRUCTED AS REQUIRED BY THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. IN ADDITION, THE CONTRACTOR IS REQUIRED TO PROVIDE ANY ADDITIONAL CONTROLS NECESSARY TO PREVENT THE POSSIBILITY OF SILTING ANY ADJACENT LOWLAND PARCEL OR RECEIVING WATER AND TO UPDATE THE SWPPP TO REFLECT THESE CHANGES. 1) STABILIZATION PRACTICES: TEMPORARY: * TEMPORARY TURF IN ACCORDANCE WITH SPECIFICATION SECTION 104-6 PERMANENT: * PERFORMANCE TURF (SOD) IN ACCORDANCE WITH SPECIFICATION SECTION 570 * CONCRETE DITCH PAVEMENT * ASPHALT ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP. 2) STRUCTURAL PRACTICES: TEMPORARY: * SEDIMENT BARRIER IN ACCORDANCE WITH SPECIFICATION SECTION 104 * INLET PROTECTION IN ACCORDANCE WITH SPECIFICATION SECTION 104 ALL SEDIMENT CONTROLS SHALL BE IN PLACE PRIOR TO ANY SOIL DISTURBING ACTIVITY UPSTREAM OF THE CONTROL. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP. PERMANENT: * EXISTING ROADSIDE DITCHES			
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 LISA M. H. OLIVERA, P.E. NO. 56056	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
						SEMINOLE	439682-4-52-01			44	

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B) STORM WATER MANAGEMENT:
ALL STORMWATER WILL SURFACE FLOW OR BE COLLECTED BY PIPES OR DITCHES AND DISCHARGES TO A DEPRESSIONAL AREA (AKA MARKHAM WOODS CHURCH & CHRISTIAN ACADEMY ATHLETIC FIELDS) ON THE WEST SIDE OF THE INTERSTATE AND INTO GRACE LAKE ON THE EAST SIDE OF THE INTERSTATE. THESE TWO AREAS ARE CONNECTED BY A 48-INCH EQUALIZER PIPE CROSSING THE INTERSTATE.

C) OTHER CONTROLS:
1. WASTE DISPOSAL:
THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.
2. OFF-SITE VEHICLE TRACKING:
THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.
3. STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS:
THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.
4. FERTILIZERS AND PESTICIDES:
FERTILIZER WILL BE APPLIED ACCORDING TO APPLICABLE SUBSECTIONS OF EITHER SECTION 570 OR 982 OF THE FDOT STANDARD SPECIFICATIONS.
THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.
5. NON-STORM WATER DISCHARGES AND HAZARDOUS WASTE:
WHEN THE CONTRACTOR ENCOUNTERS A SPILL, CONSTRUCTION WILL STOP AND WORK WILL NOT RESUME UNTIL DIRECTED BY THE ENGINEER. DISPOSITION OF HAZARDOUS WASTE WILL BE MADE IN ACCORDANCE WITH ANY REQUIREMENTS AND REGULATIONS OF ANY LOCAL, STATE, OR FEDERAL AGENCY HAVING JURISDICTION.

D) FEDERAL, STATE, AND LOCAL PLANS AND PERMITS:

AS DESIGN PROGRESSES A GENERAL PERMIT FOR BRIDGE REPLACEMENT FROM SJRWMD WILL BE OBTAINED.

THE NPDES PERMIT (TO BE OBTAINED BY THE CONTRACTOR) IS REQUIRED FOR THIS PROJECT.

3. MAINTENANCE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL POLLUTION PREVENTION CONTROLS. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION, SEDIMENTATION, TURBIDITY, AND POLLUTION CONTROL MEASURES. REMEDIAL ACTION SHALL BE PERFORMED IMMEDIATELY.

THIS TABLE IDENTIFIES MAINTENANCE GUIDELINES FOR THE CONTROLS USED ON THIS PROJECT ALTHOUGH, AS INSPECTIONS ARE CONDUCTED, EARLIER REPLACEMENT MAY BE NECESSARY AS INSTRUCTED BY THE FIELD ENGINEER.

ITEM	MAINATENANCE	PROP. REPL'T. INTERVAL
SILT FENCE	IN ACCORDANCE WITH SPECIFICATION SECTION 104	1 YEAR
SYNTHETIC BALES	REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER POND IN UNACCEPTABLE AMOUNTS OR ARES	N/A

THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN.

4. INSPECTIONS

THE CONTRACTOR IS REQUIRED TO CONDUCT A GENERAL INSPECTION OF THE CONTROLS ON A DAILY BASIS, WHICH INCLUDES, BUT IS NOT LIMITED TO, THE REVIEW OF THE LOCATION OF SEDIMENT BARRIER IN AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CHANGED THE NATURAL CONTOUR AND DRAINAGE RUNOFF TO ENSURE THAT SEDIMENT BARRIER ARE PROPERLY LOCATED FOR EFFECTIVENESS. THE CONTRACTOR WILL USE FDOT FORM 650-040-03 TO REPORT ALL INSPECTION FINDINGS AND CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE INSPECTION. THE CONTRACTOR SHALL SIGN INSPECTION REPORTS FOR RECORD OF COMPLIANCE AND UPKEEP FOR THE CONTROLS.

THE CONTRACTOR IS REQUIRED TO PROVIDE QUALIFIED PERSONNEL TO INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 1/2 INCH OR GREATER. WHERE SITES HAVE BEEN FINALLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.

- * POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES
- * DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED
- * AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
- * STRUCTURAL CONTROLS
- * LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF RAIN GAUGES. RAINFALL AMOUNTS SHALL BE RECORDED DAILY AND SUBMITTED ALONG WITH THE WEEKLY INSPECTION REPORTS TO THE ENGINEER.

5. NON-STORMWATER DISCHARGES

THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES) AND DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION FROM THESE DISCHARGES IN THE SECTION 104 EROSION CONTROL PLAN. THE DISTRICT CONTAMINATION IMPACT COORDINATOR SHOULD BE CONTACTED AT (386)-943-5411 IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED. ANY DEWATERING ACTIVITIES MAY REQUIRE THE NFWMD GENERAL CONSTRUCTION DEWATERING PERMIT. IF OFF-SITE DEWATERING OCCURS OR IS REQUIRED, THE CONTRACTOR WILL BE REQUIRED TO OBTAIN THE FDEP GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY (DOCUMENT NO. 62-621.300(2)) AND ADHERE TO THE NECESSARY PERMITTING REQUIREMENTS.

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 LISA M. H. OLIVERA, P.E. NO. 56056	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO. 45
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		

TTCP NOTES

1. MAINTAIN THE EXISTING POSTED SPEED LIMIT ON EE WILLIAMSON ROAD FOR ALL PHASES OF WORK.

2. NOTIFY THE ENGINEER A MINIMUM OF 7 DAYS IN ADVANCE OF ANY LANE CLOSURES.

3. LANE CLOSURES MAY ONLY BE USED DURING ACTIVE WORK PERIODS

4. LANE CLOSURES FOR THIS PROJECT ARE ALLOWED DURING THE FOLLOWING TIMES:
- | I-4 | | | | | EE WILLIAMSON |
|----------------------|-----------------|----------------|----------------|----------------|---------------|
| DAY | EASTBOUND | | WESTBOUND | | SINGLE LANE |
| | SINGLE LANE | DOUBLE LANE | SINGLE LANE | DOUBLE LANE | |
| WEEKDAY | 9:30P – 7:00A | 12:30A – 6:00A | 8:30P – 6:00A | 12:00A – 5:30A | 8:00P – 6:30A |
| FRI NOON TO SAT NOON | 10:30P – 9:00A | 1:00A – 7:00A | 9:30P – 8:30A | 12:30A – 6:30A | |
| SAT NOON TO SUN NOON | 10:30P – 10:00A | 1:00A – 8:00A | 9:00P – 10:00A | 12:30A – 8:00A | |
| SUN NOON TO MON NOON | 9:00P – 7:00A | 12:00A – 6:00A | 8:30P – 6:00A | 11:30P – 5:30A | |
5. CONSTRUCTION OF THIS PROJECT WILL REQUIRE CLOSE COORDINATION WITH ADJACENT PROJECTS. CLOSELY COORDINATE WITH THESE PROJECTS TO ENSURE THE COMPATIBILITY OF CONSTRUCTION STAGING AND TRAFFIC PATTERNS BETWEEN ADJACENT PROJECTS. ANY ADJUSTMENTS IN TTC OR STAGING OF CONSTRUCTION RESULTING FROM THIS COORDINATION WILL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE FOR MAINTENANCE OF TRAFFIC AT NO ADDITIONAL COMPENSATION

6. AT ALL TIMES DURING THE PHASE CONSTRUCTION, MAINTAIN SAFE PEDESTRIAN ACCESS TO EXISTING SIDEWALKS AND ENSURING THAT A SAFE AND UNOBSTRUCTED ROUTE EXISTS FOR PEDESTRIANS.

PHASING NOTES

- PHASE 1

1. INSTALL PROJECT INFORMATION SIGNS, TEMPORARY TRAFFIC CONTROL SIGNS, AND EROSION CONTROL DEVICES.

2. INSTALL WORK ZONE CHANNELIZING DEVICES BASED ON PHASE 1 PLANS AND TYPICAL SECTION.

3. CONSTRUCT THE EASTBOUND OUTSIDE TRAVEL LANE AND AUXILIARY LANE.
- PHASE 1A

1. MAINTAIN TEMPORARY TRAFFIC CONTROL SIGNS AND EROSION CONTROL.

2. INSTALL WORK ZONE CHANNELIZING DEVICES BASED ON PHASE 1A PLANS AND TYPICAL SECTION.

3. CONSTRUCT CENTER AUXILIARY LANE AS SHOWN IN THE PHASE 1A PLANS

- PHASE 2

1. MAINTAIN TEMPORARY TRAFFIC CONTROL SIGNS AND EROSION CONTROL.

2. INSTALL WORK ZONE CHANNELIZING DEVICES BASED ON PHASE 2 PLANS AND TYPICAL SECTION.

3. WIDEN THE WESTBOUND OUTSIDE TRAVEL LANE.
- PHASE 3

1. MILL AND RESURFACE TRAVEL AND AUXILARY LANES AND SIDE STREETS, APPLY FRICTION COURSE.

2. REMOVE TEMPORARY TRAFFIC CONTROL SIGNS AND EROSION CONTROL.

PORTABLE CHANGEABLE MESSAGE SIGN

7 DAYS PRIOR TO BEGIN CONSTRUCTION

EE WILLIAMSON DURING LANE CLOSURES

DISPLAY 1

ROAD WORK

DISPLAY 2

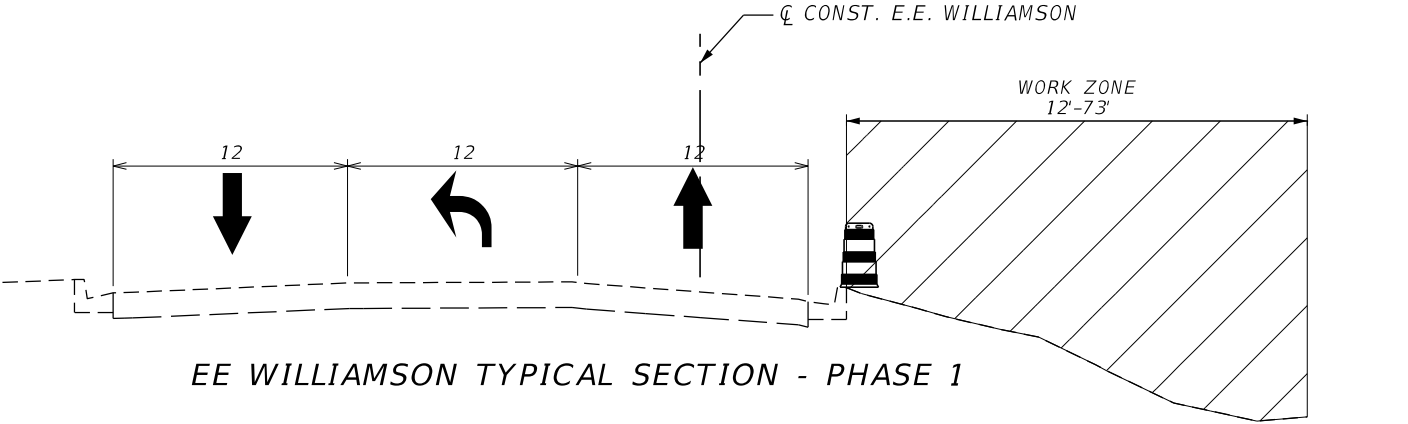
BEGIN (DAY AND DATE)

DISPLAY 1

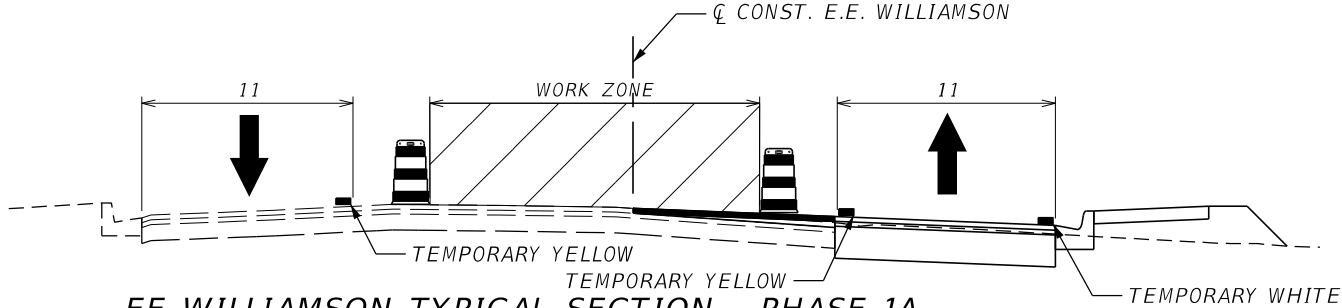
LANE CLOSED AHEAD

DISPLAY 2

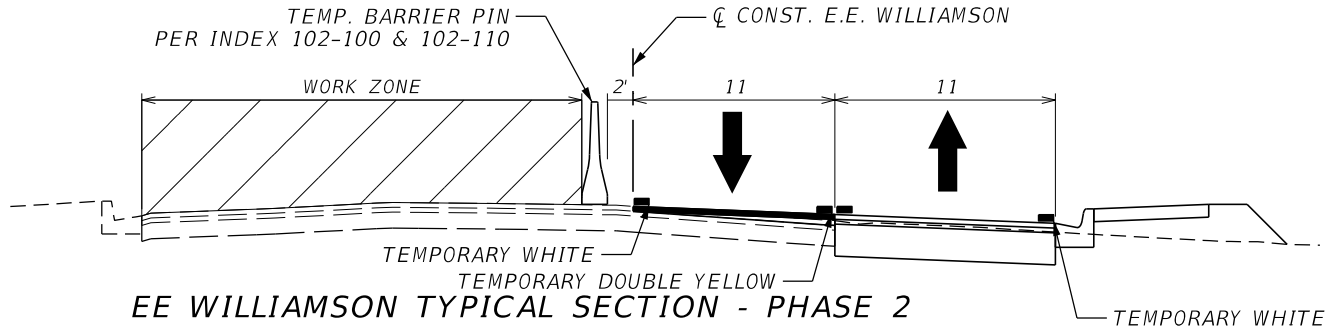
PREPARE TO STOP



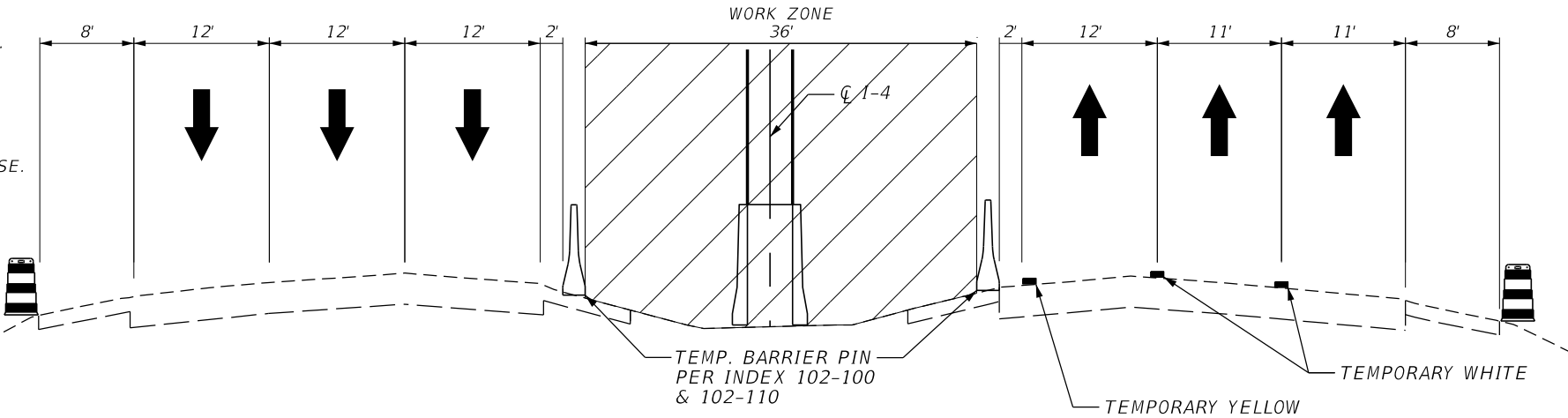
EE WILLIAMSON TYPICAL SECTION - PHASE 1



EE WILLIAMSON TYPICAL SECTION - PHASE 1A



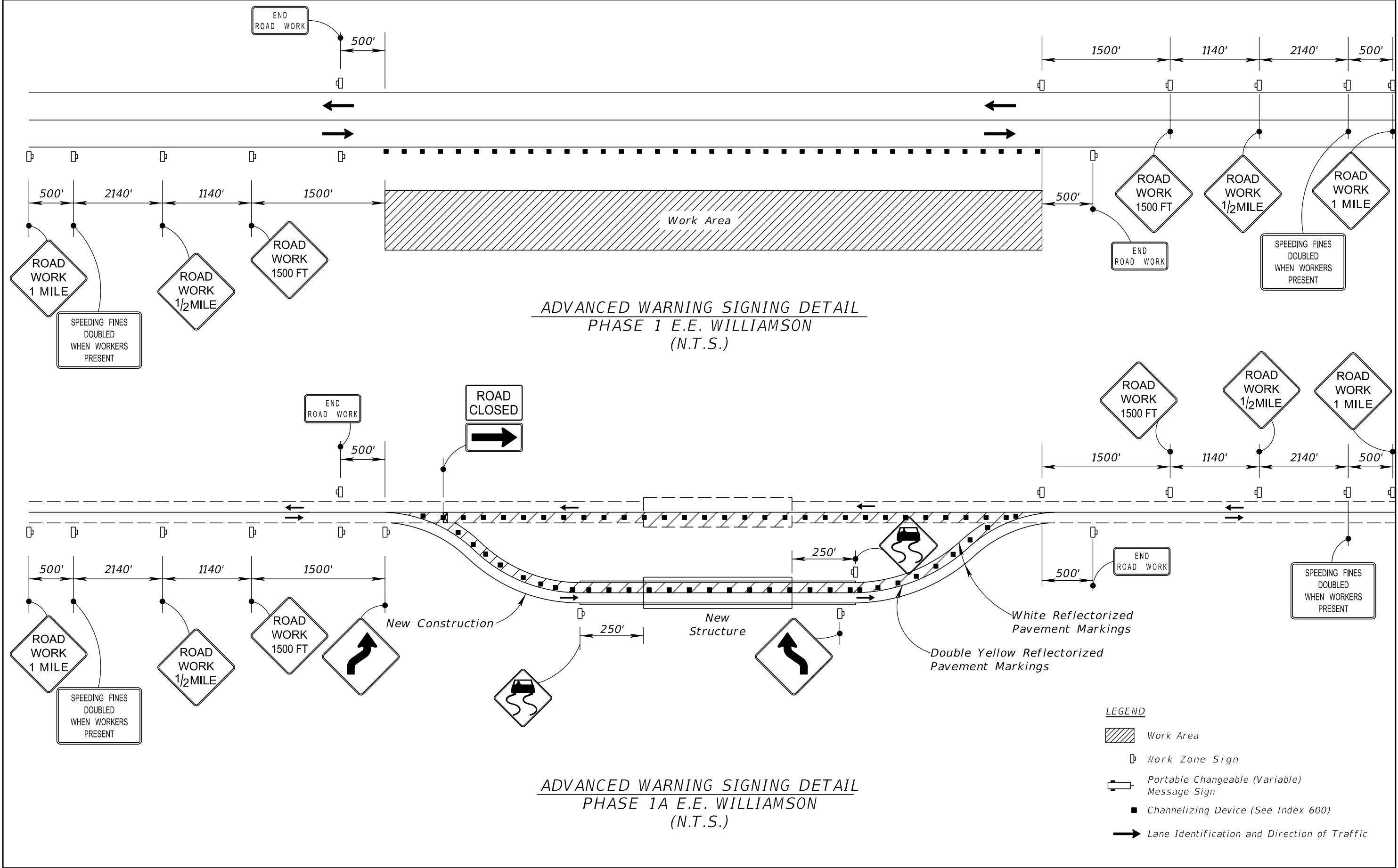
EE WILLIAMSON TYPICAL SECTION - PHASE 2



I-4 TYPICAL SECTION - ALL PHASES

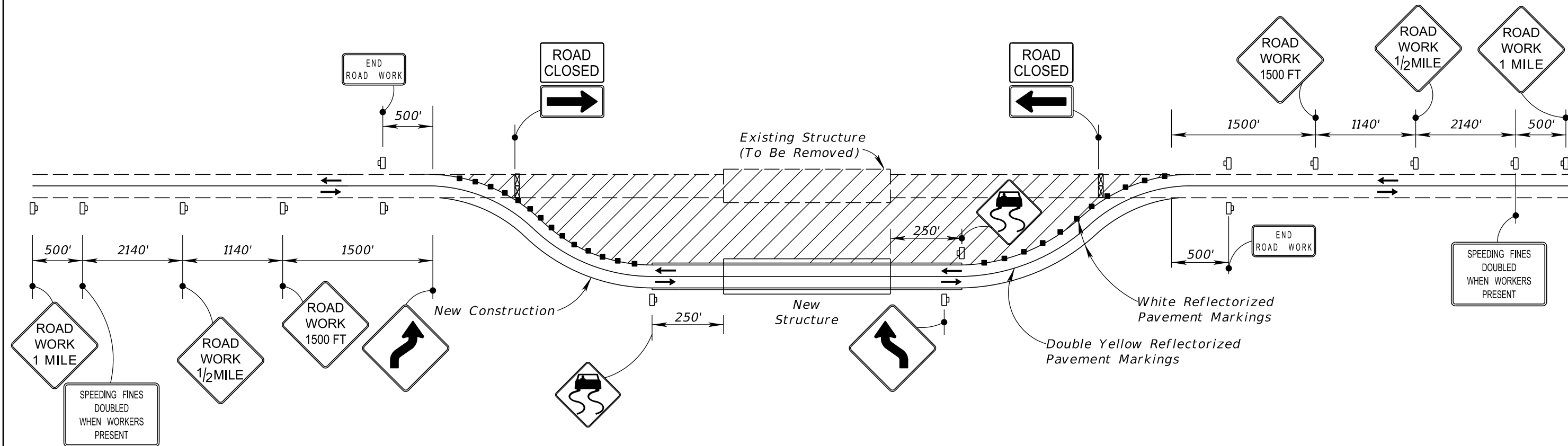
* SEE STRUCTURES PLANS FOR BRIDGE MOT PHASING

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMP TRAFFIC CONTROL TYPICAL PHASING / NOTES		SHEET NO. 46
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
						SEMINOLE	439682-4-52-01			



REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL ADVANCED WARNING SIGNS	SHEET NO. 47
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-32-01		

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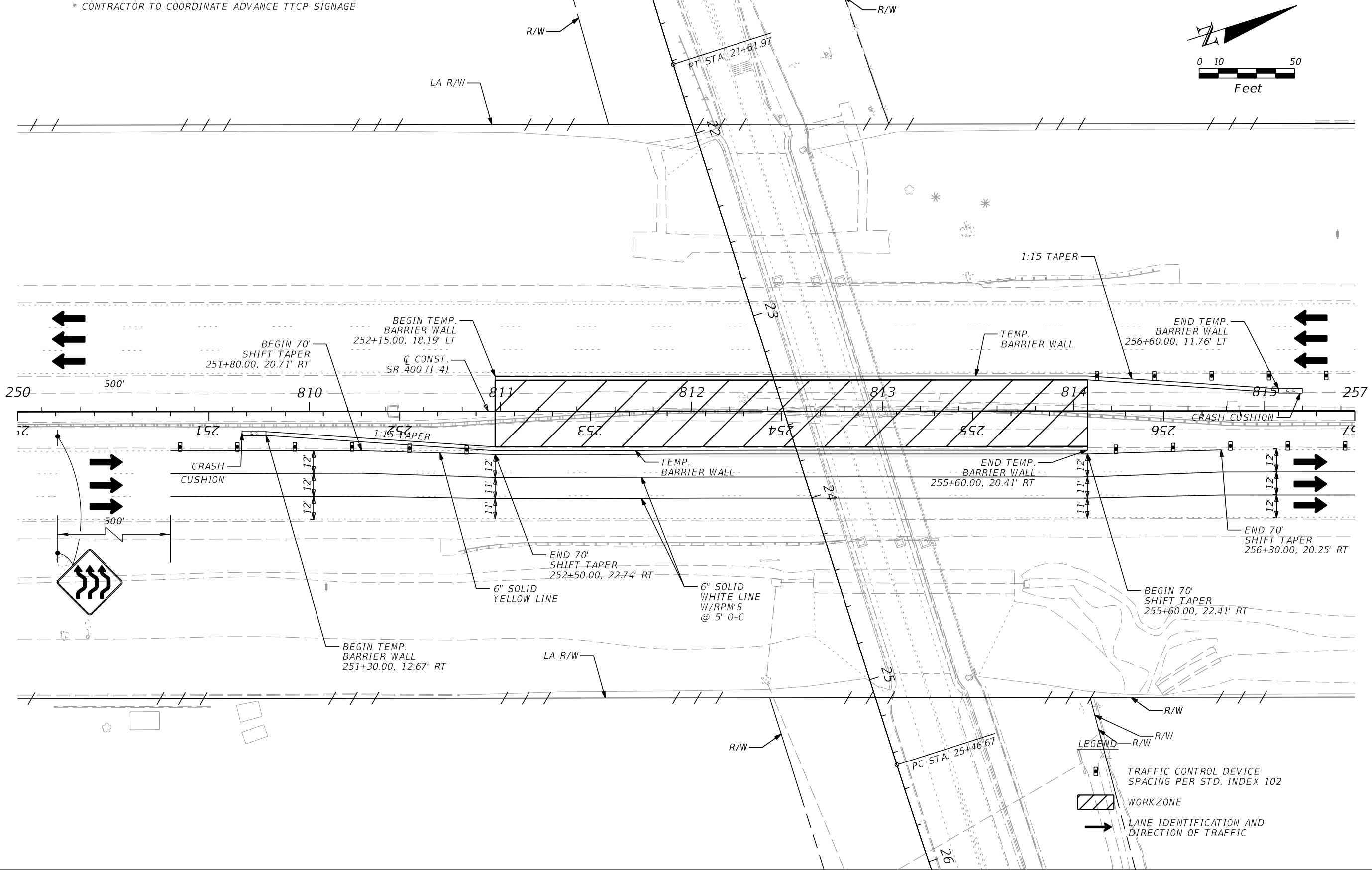
ADVANCED WARNING SIGNING DETAIL
PHASE 2 E.E. WILLIAMSON
(N.T.S.)

- LEGEND
- Work Area
 - Work Zone Sign
 - Portable Changeable (Variable) Message Sign
 - Channelizing Device (See Index 600)
 - Lane Identification and Direction of Traffic

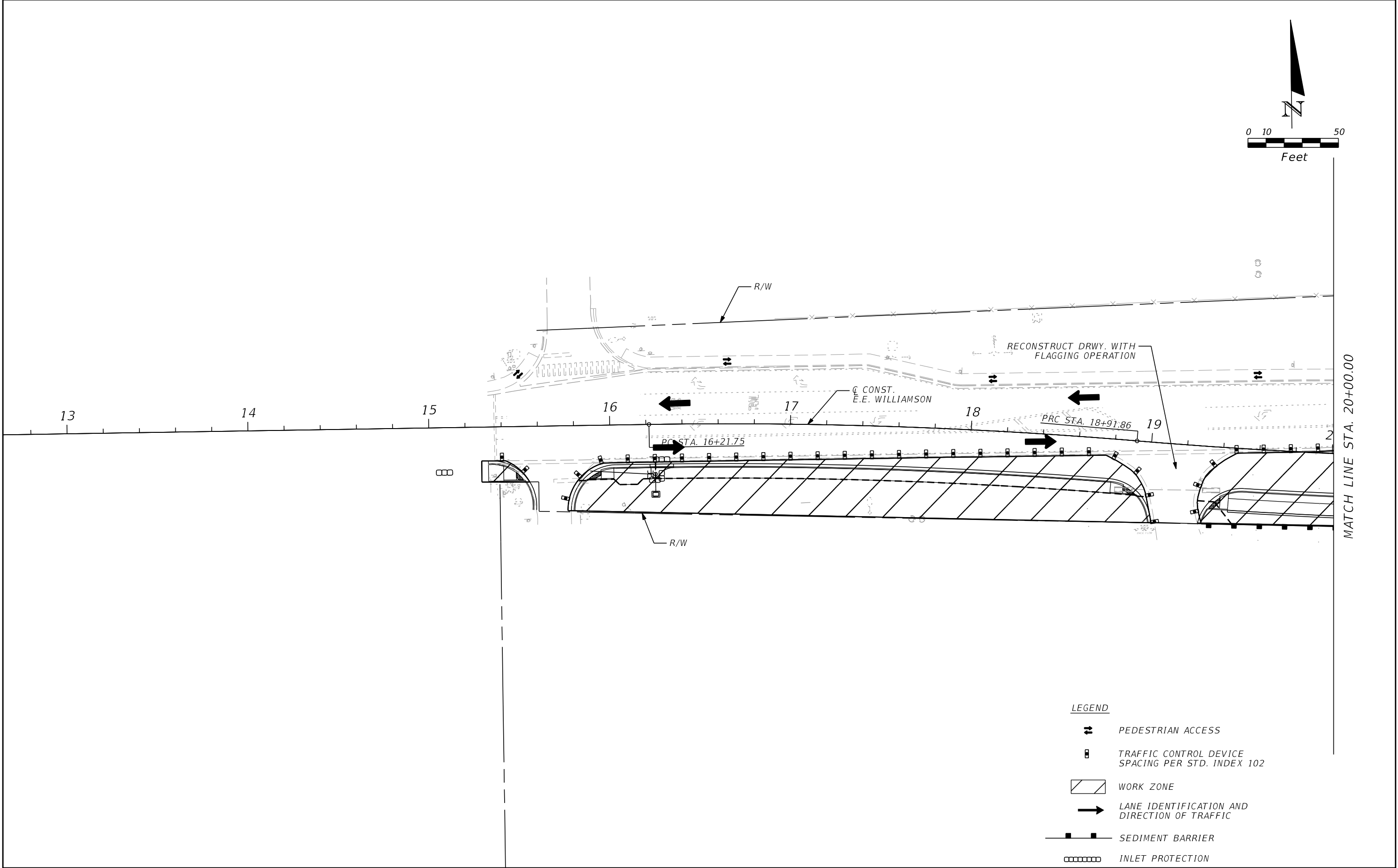
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL ADVANCED WARNING SIGNS	SHEET NO. 48
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-32-01		

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* CONTRACTOR TO COORDINATE ADVANCE TTCP SIGNAGE

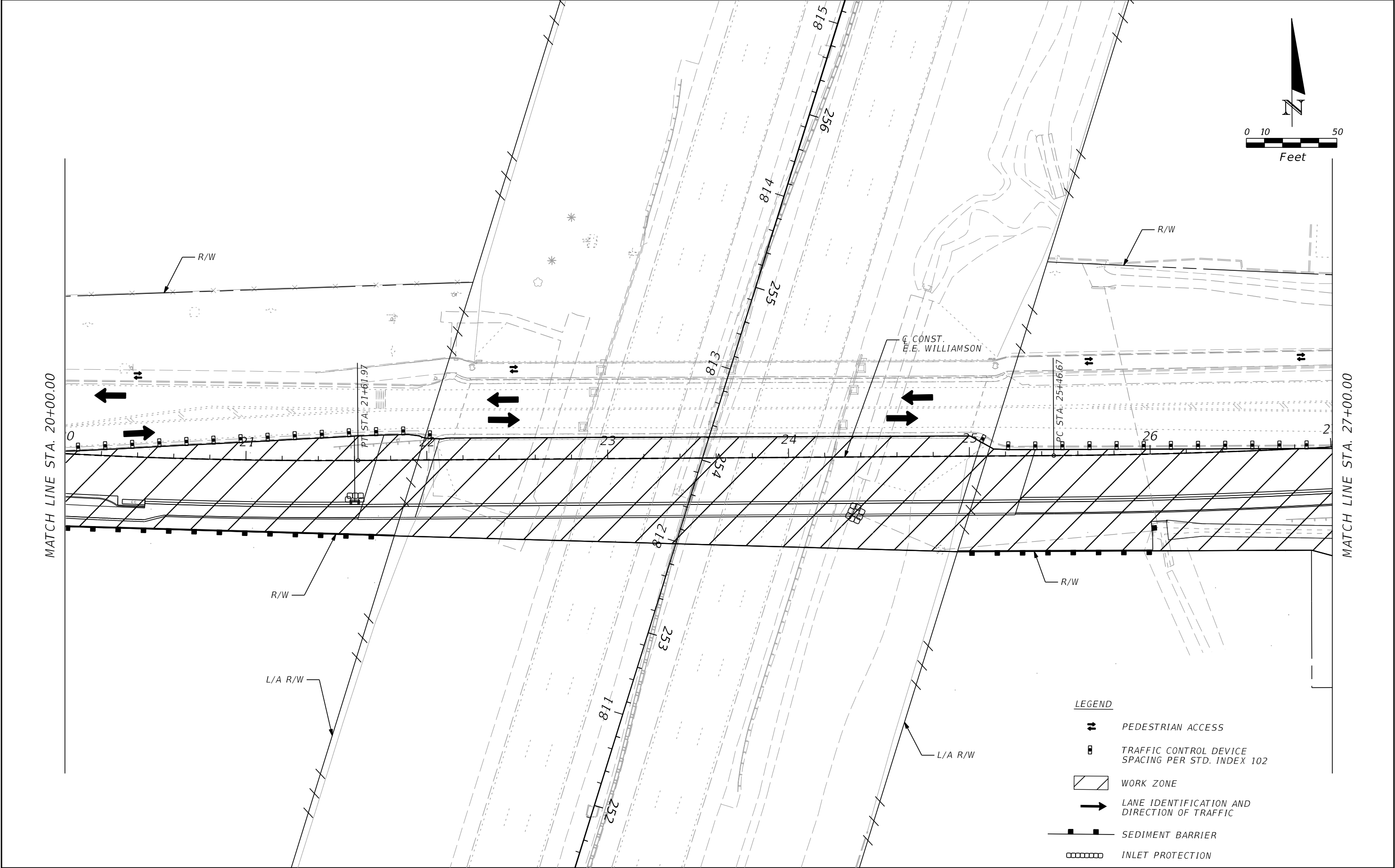


REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC CONTROL PLANS (I-4)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		49



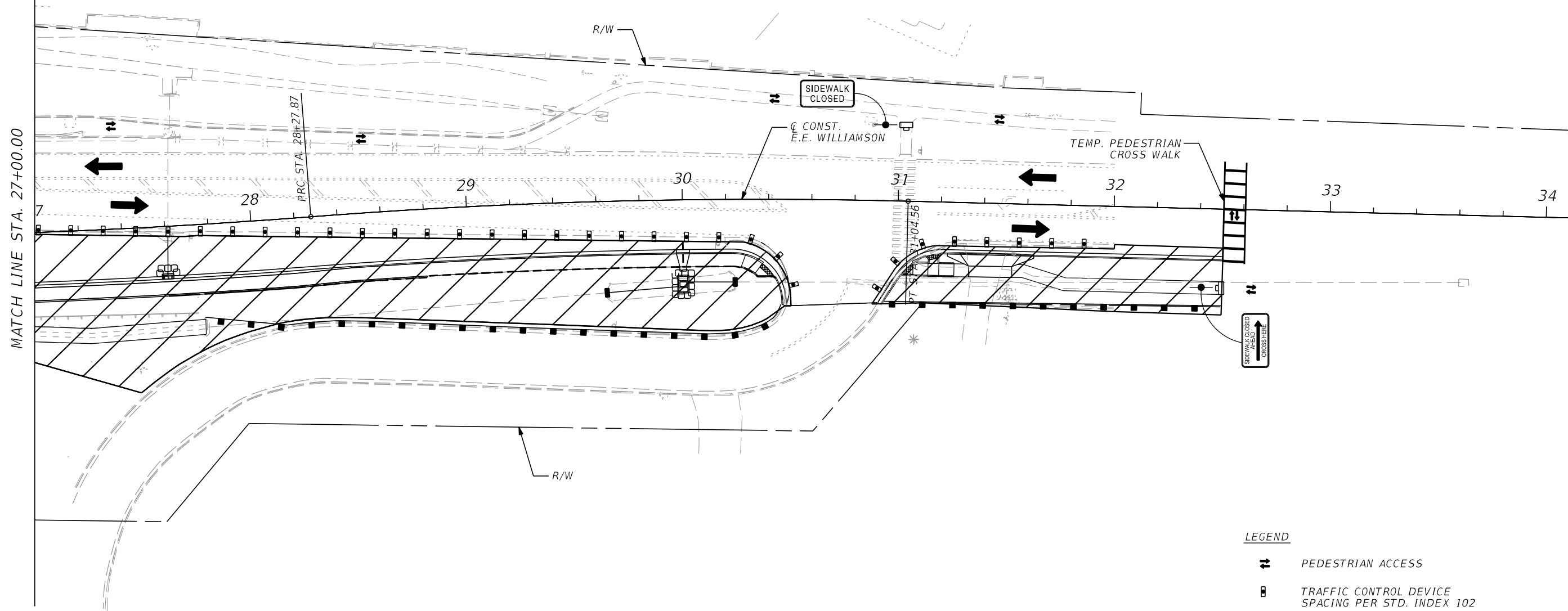
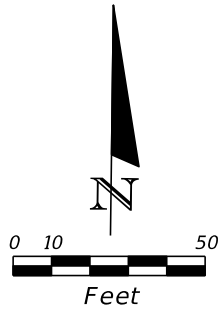
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC CONTROL PLANS PHASE 1 E.E. WILLIAMSON		SHEET NO. 50
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
						SEMINOLE	439682-4-52-01			

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		51
						SEMINOLE	439682-4-52-01		

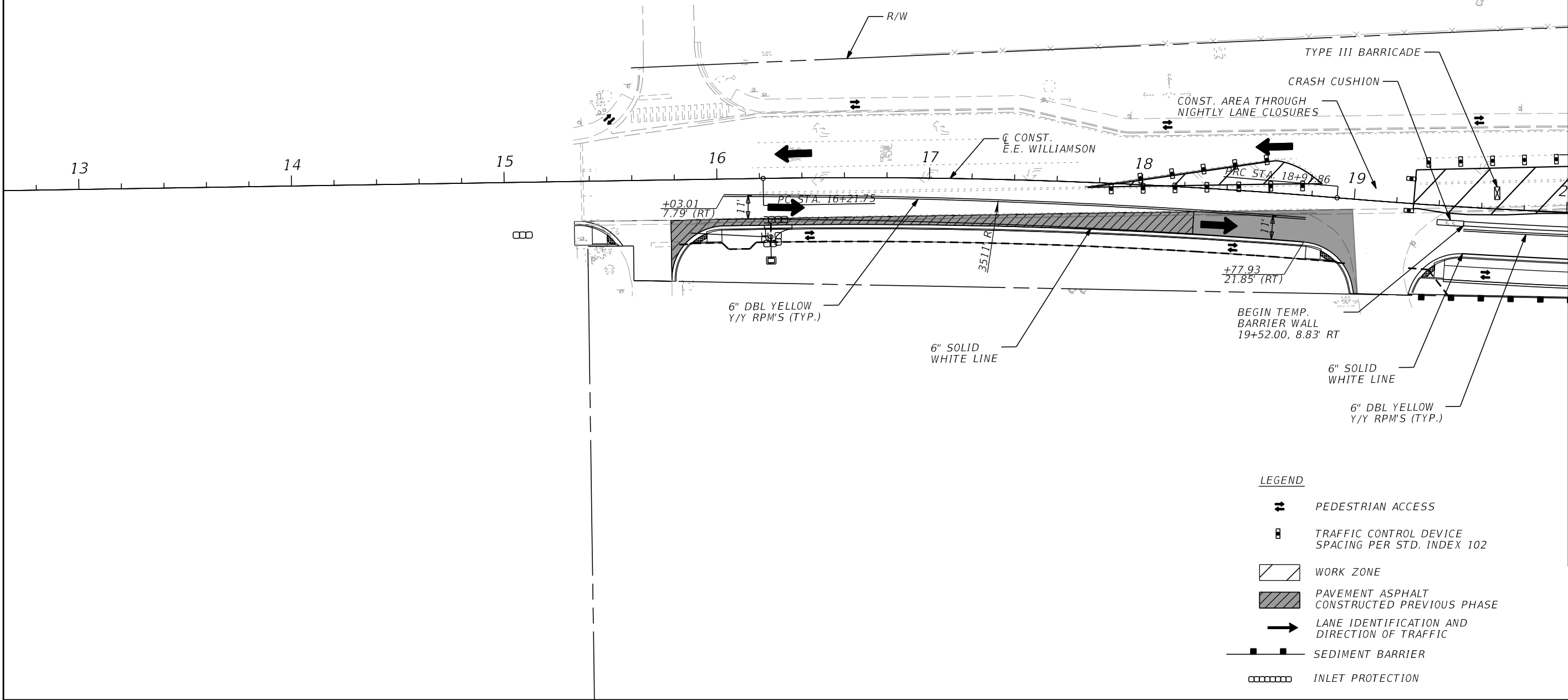
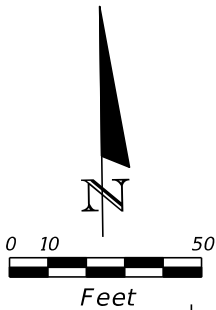
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LEGEND

- PEDESTRIAN ACCESS
- TRAFFIC CONTROL DEVICE
SPACING PER STD. INDEX 102
- WORK ZONE
- LANE IDENTIFICATION AND
DIRECTION OF TRAFFIC
- SEDIMENT BARRIER
- INLET PROTECTION

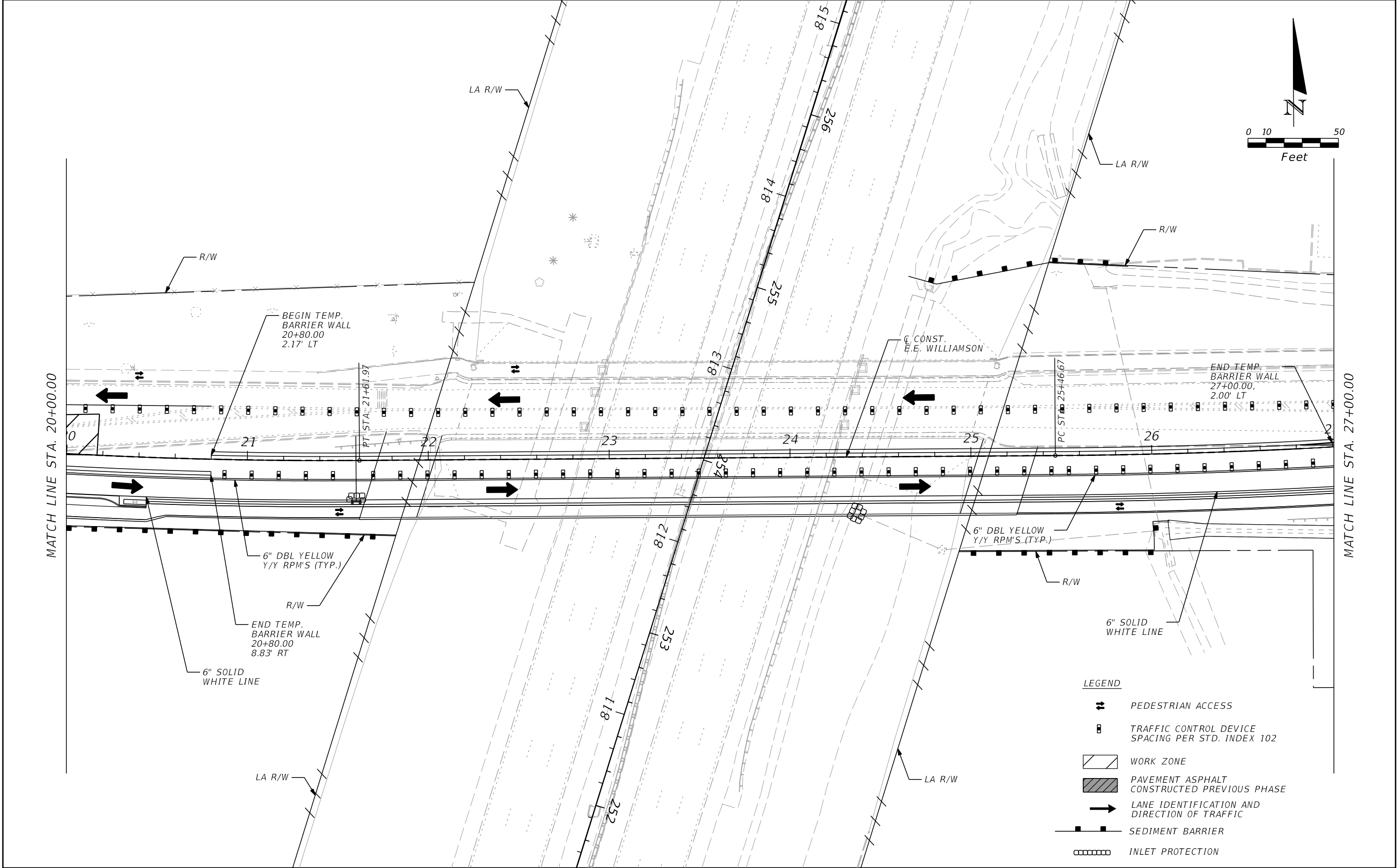
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC CONTROL PLANS PHASE 1 E.E. WILLIAMSON		SHEET NO. 52
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
						SEMINOLE	439682-4-52-01			



- LEGEND**
- PEDESTRIAN ACCESS
 - TRAFFIC CONTROL DEVICE
SPACING PER STD. INDEX 102
 - WORK ZONE
 - PAVEMENT ASPHALT
CONSTRUCTED PREVIOUS PHASE
 - LANE IDENTIFICATION AND
DIRECTION OF TRAFFIC
 - SEDIMENT BARRIER
 - INLET PROTECTION

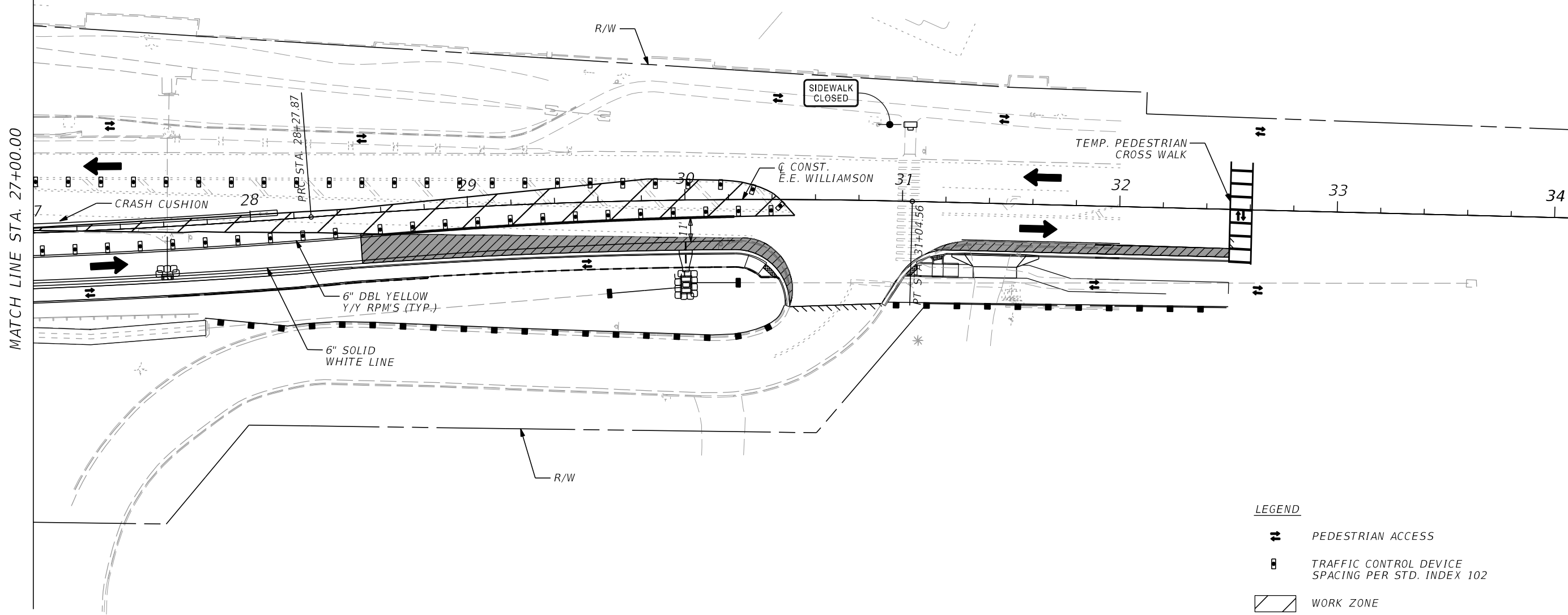
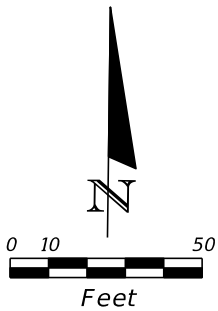
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC CONTROL PLANS PHASE 1A E.E. WILLIAMSON		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			53	
						SEMINOLE	439682-4-52-01				

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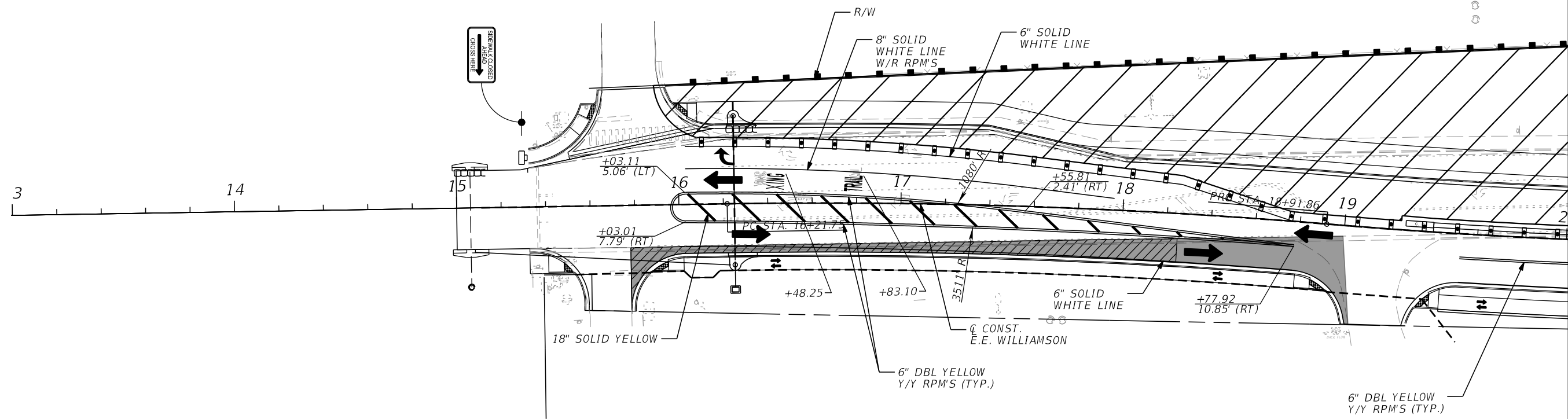
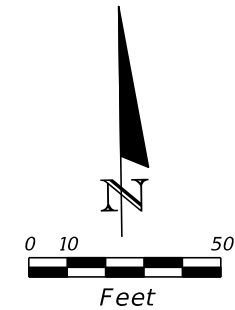
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC CONTROL PLANS PHASE 1A E.E. WILLIAMSON		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
						SEMINOLE	439682-4-52-01			
										54

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- LEGEND
- PEDESTRIAN ACCESS
 - TRAFFIC CONTROL DEVICE
SPACING PER STD. INDEX 102
 - WORK ZONE
 - PAVEMENT ASPHALT
CONSTRUCTED PREVIOUS PHASE
 - LANE IDENTIFICATION AND
DIRECTION OF TRAFFIC
 - SEDIMENT BARRIER
 - INLET PROTECTION

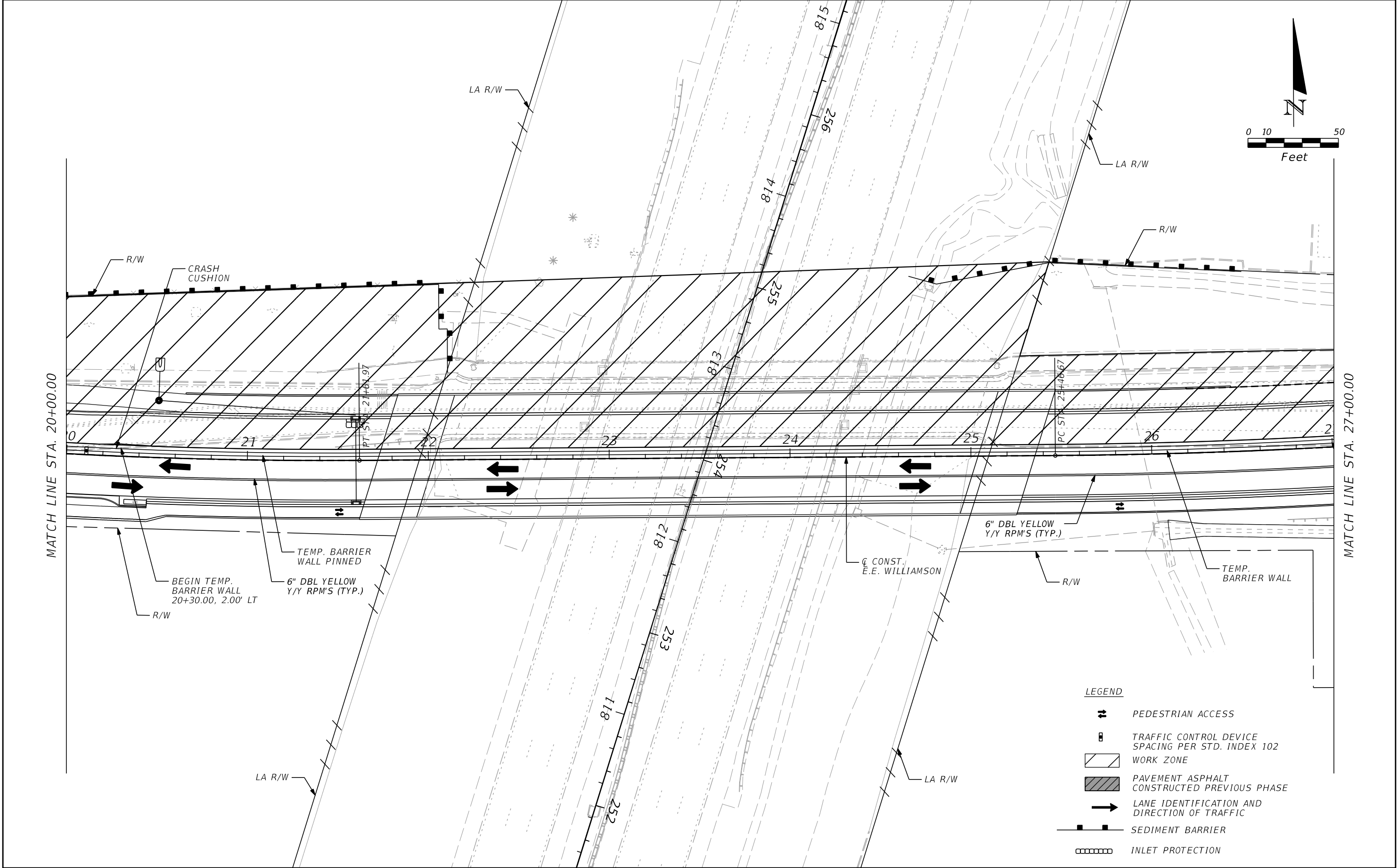
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC CONTROL PLANS PHASE 1A E.E. WILLIAMSON		SHEET NO. 55
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
						SEMINOLE	439682-4-52-01			



- LEGEND
- PEDESTRIAN ACCESS
 - TRAFFIC CONTROL DEVICE
SPACING PER STD. INDEX 102
 - WORK ZONE
 - PAVEMENT ASPHALT
CONSTRUCTED PREVIOUS PHASE
 - LANE IDENTIFICATION AND
DIRECTION OF TRAFFIC
 - SEDIMENT BARRIER
 - INLET PROTECTION

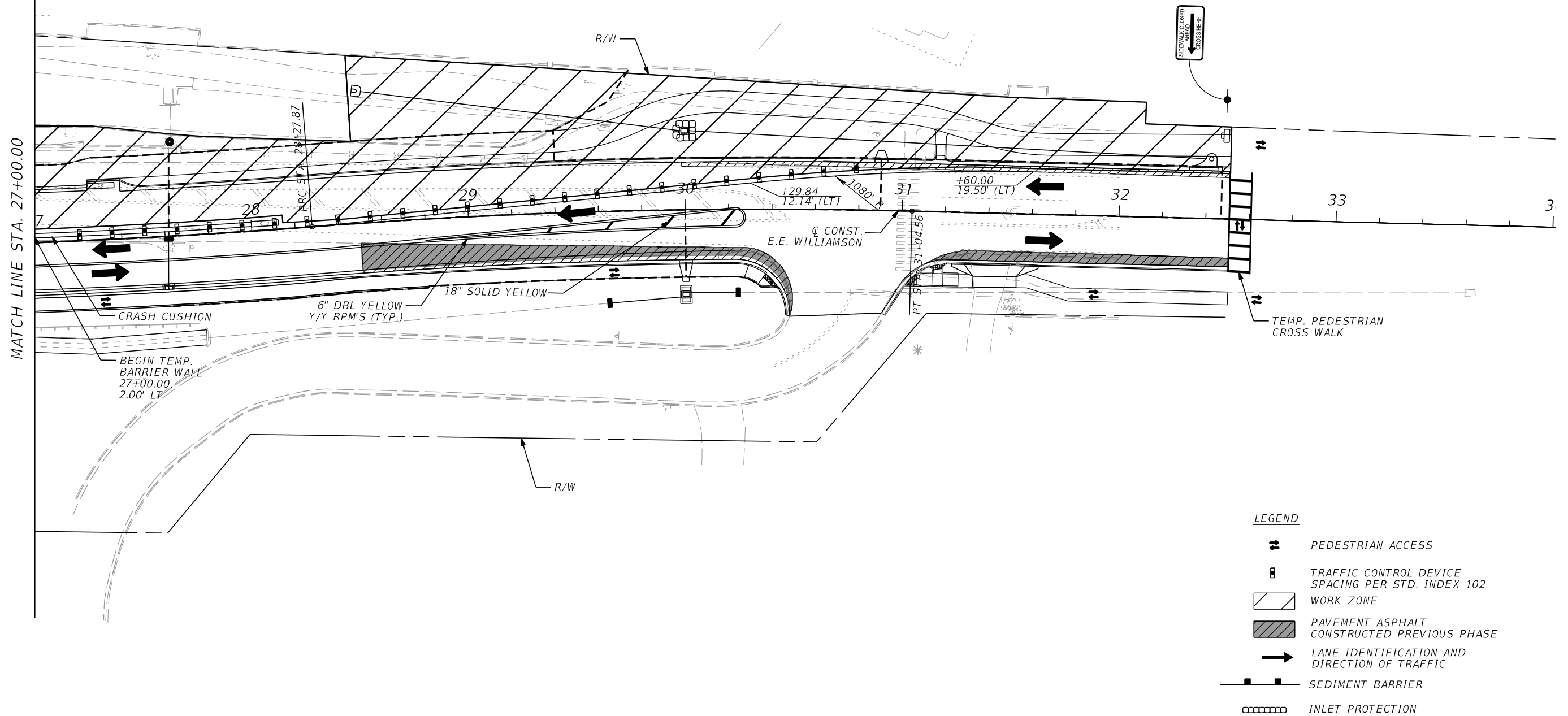
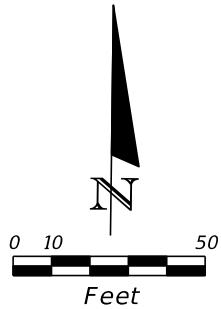
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC CONTROL PLANS PHASE 2 E.E. WILLIAMSON		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
						SEMINOLE	439682-4-52-01			56

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
						SEMINOLE	439682-4-52-01			

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- LEGEND
- PEDESTRIAN ACCESS
 - TRAFFIC CONTROL DEVICE
SPACING PER STD. INDEX 102
 - WORK ZONE
 - PAVEMENT ASPHALT
CONSTRUCTED PREVIOUS PHASE
 - LANE IDENTIFICATION AND
DIRECTION OF TRAFFIC
 - SEDIMENT BARRIER
 - INLET PROTECTION

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC CONTROL PLANS PHASE 2 E.E. WILLIAMSON		SHEET NO. 58
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
						SEMINOLE	439682-4-52-01			

GENERAL NOTES
=====

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

2. UTILITY/AGENCY OWNERS:

AT&T FLORIDA
KIRBY SMITH
(386) 366-4588

DUKE ENERGY FIBER
MARK HURST
(727) 820-5208

CENTURYLINK
MARLON BROWN
(863) 452-3132

SEMINOLE COUNTY ENVIRONMENTAL SERVICES W/S
TONY McCORMICK
(407) 420-2678

CENTURYLINK COMMUNICATIONS LLC
ROBERT GODEK
(407) 830-3421

UTILITIES INC.
NATE CARVER
(321) 972-0353

CHARTER COMMUNICATIONS
MARVIN USRY
(407) 532-8509

DUKE ENERGY DISTRIBUTION
ROBB BROWN
(352) 459-4671

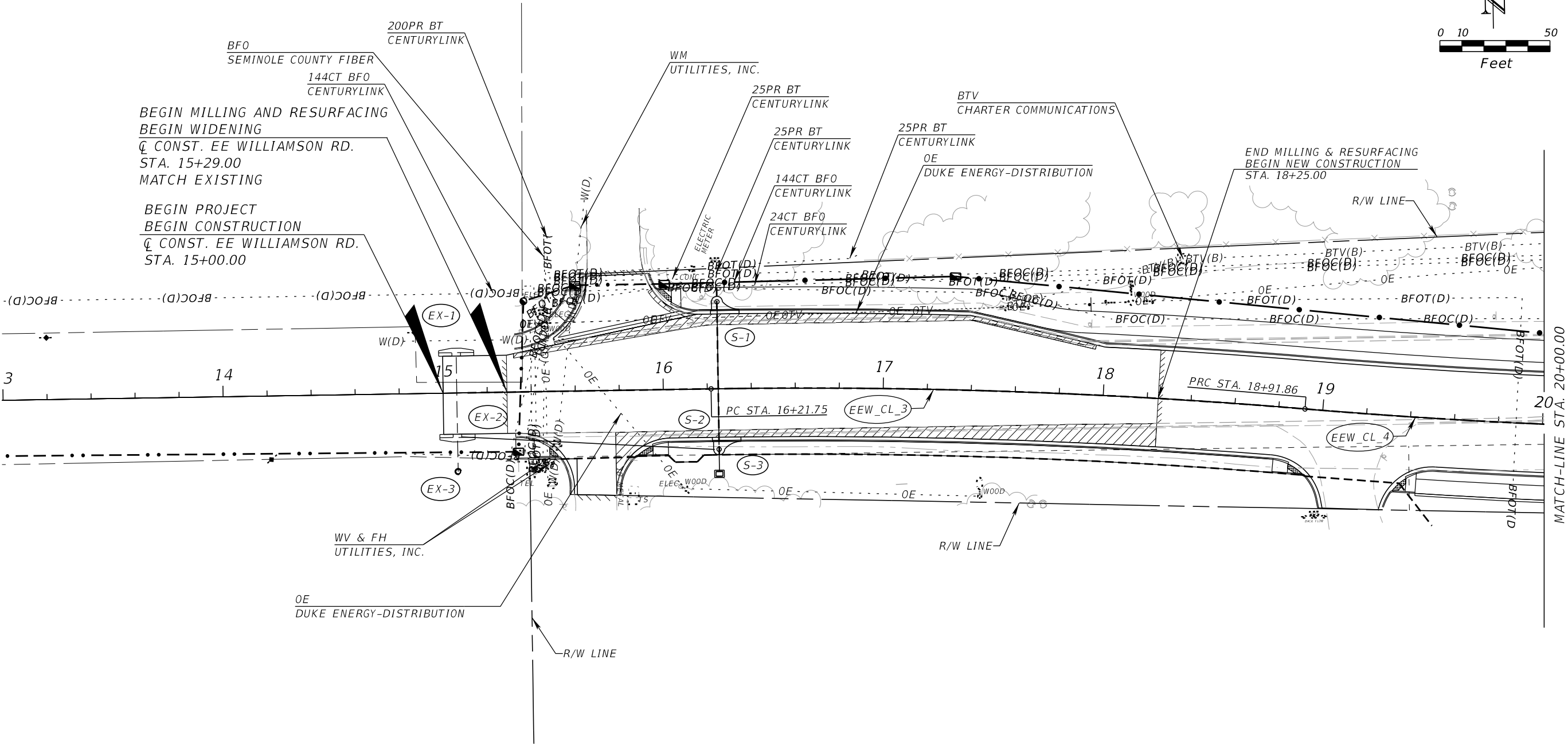
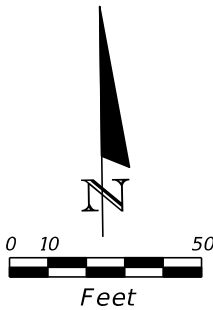
DUKE ENERGY TRANSMISSION
JENNIFER WILLIAMS
(813) 909-1210

3. ALL STAKING OF PROPOSED CONSTRUCTION TO ALLOW FOR PROPER INSTALLATION/RELOCATION OF UTILITY FACILITIES, AS INDICATED ON THE UTILITY WORK SCHEDULE, SHALL BE PERFORMED. COORDINATE WITH THE IMPACTED UTILITIES AND STAKE THE ITEMS REQUESTED. THIS STAKING SHALL BE SEPARATE AND IN ADDITION TO THE NORMAL STAKING FOR THE PROJECT. THE COST OF THIS STAKING SHALL BE INCIDENTAL TO AND INCLUDED IN THE COST OF THE PROJECT.
4. REMOVE BURIED OUT OF SERVICE UTILITY LINES WITHIN THE LIMITS OF ALL EXCAVATION. THE COST OF THIS WORK SHALL BE INCIDENTAL TO AND INCLUDED IN THE COST OF THE WORK BEING PERFORMED WHEN THE LINES ARE ENCOUNTERED.
5. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.

REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENT NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		59

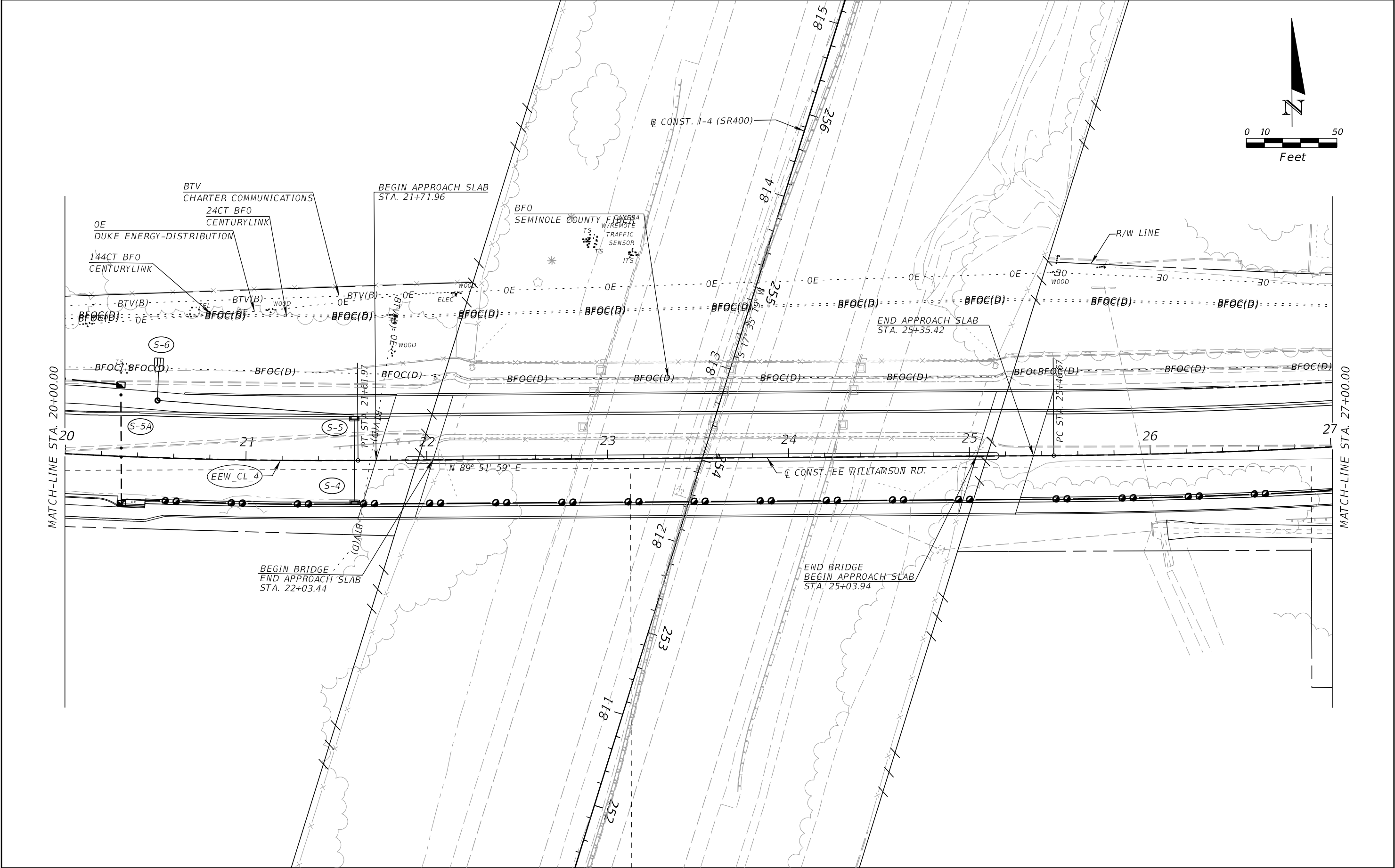
NOTES TO REVIEWER:

(1) UTILITY SIZE, TYPE, KV VALUE AND DISPOSITION OF UTILITY COMPANIES FACILITIES WILL BE GATHERED AS PART OF THE FUTURE UTILITY COORDINATION EFFORTS.



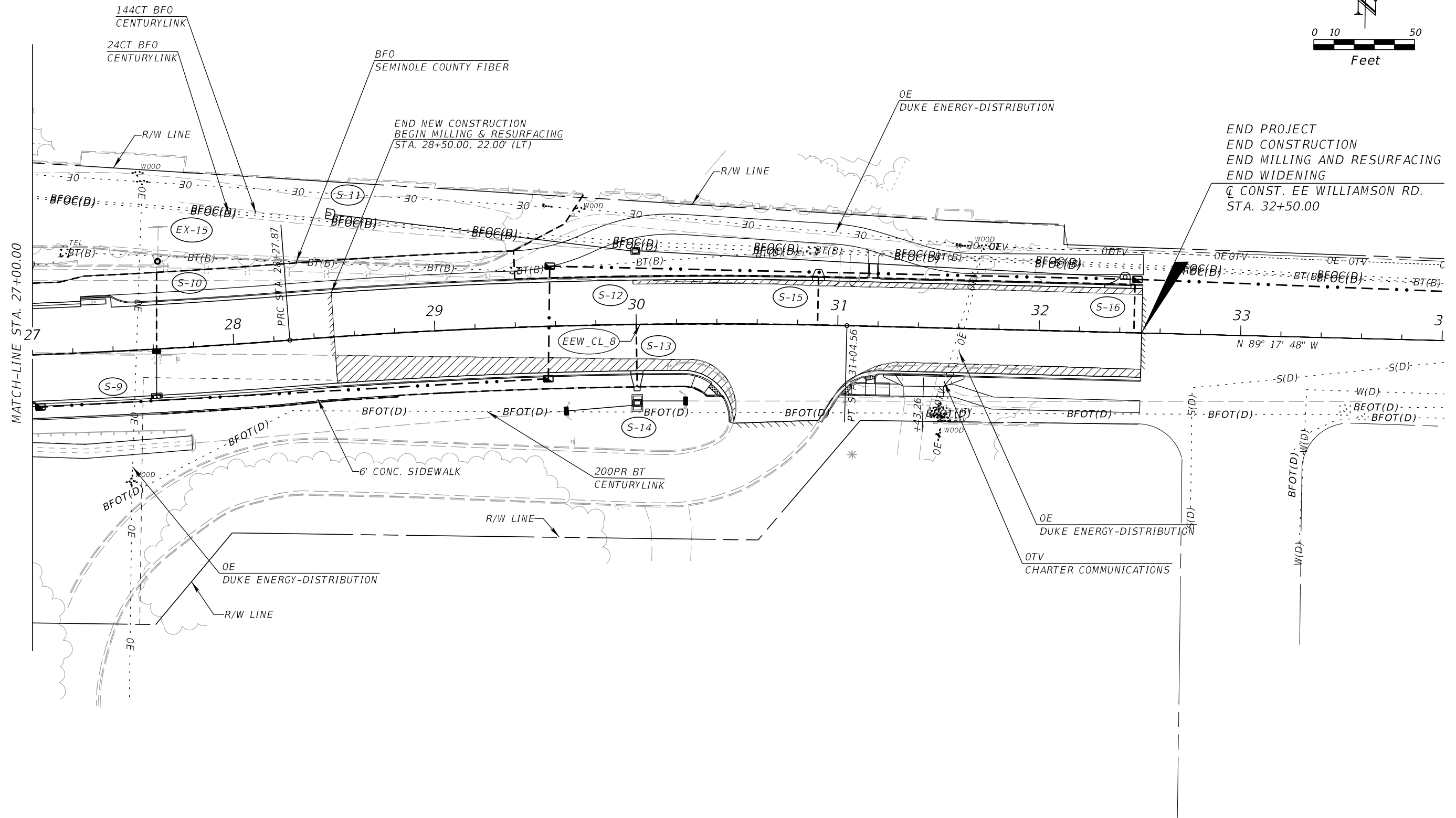
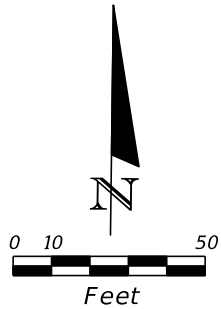
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENT	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		60

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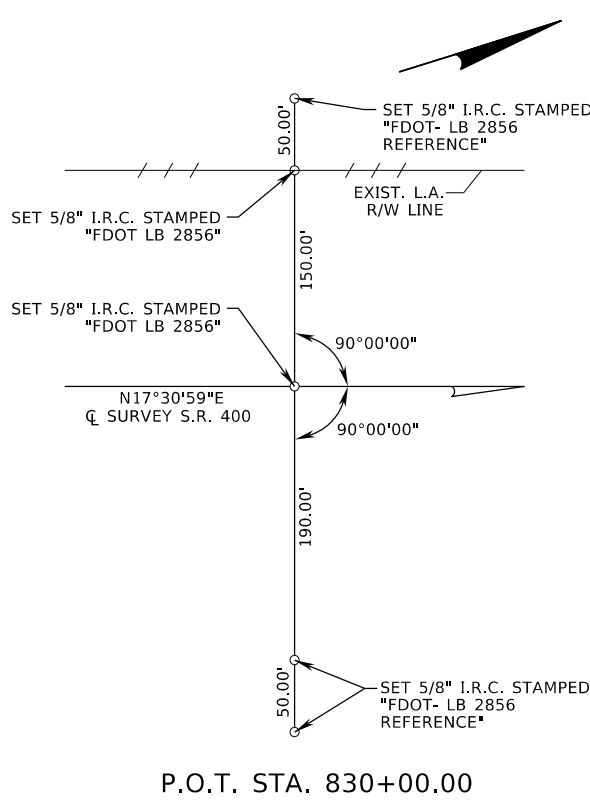
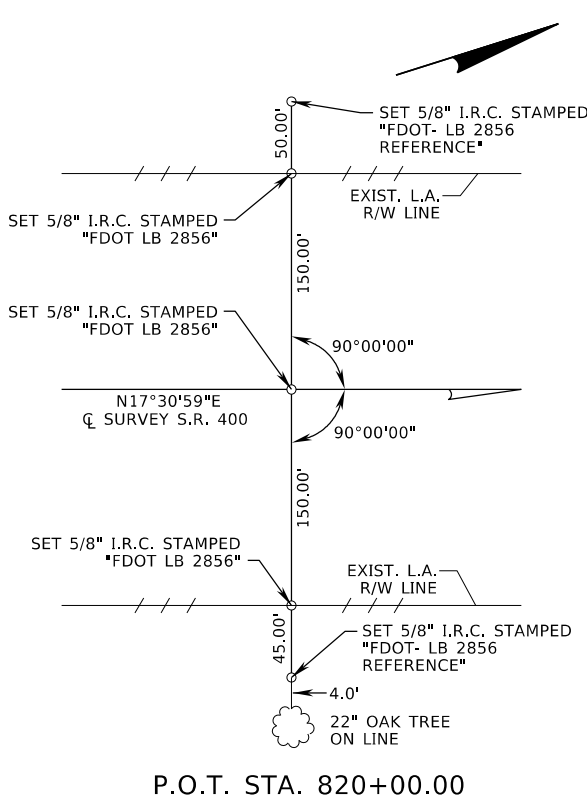
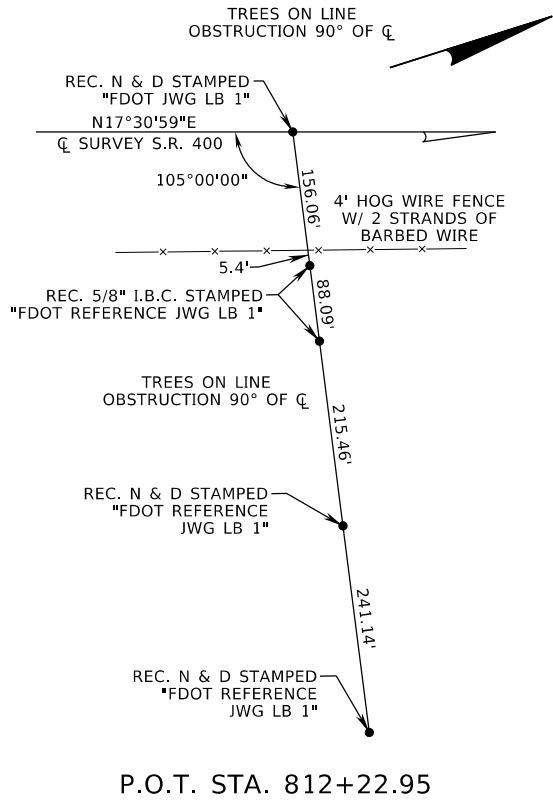
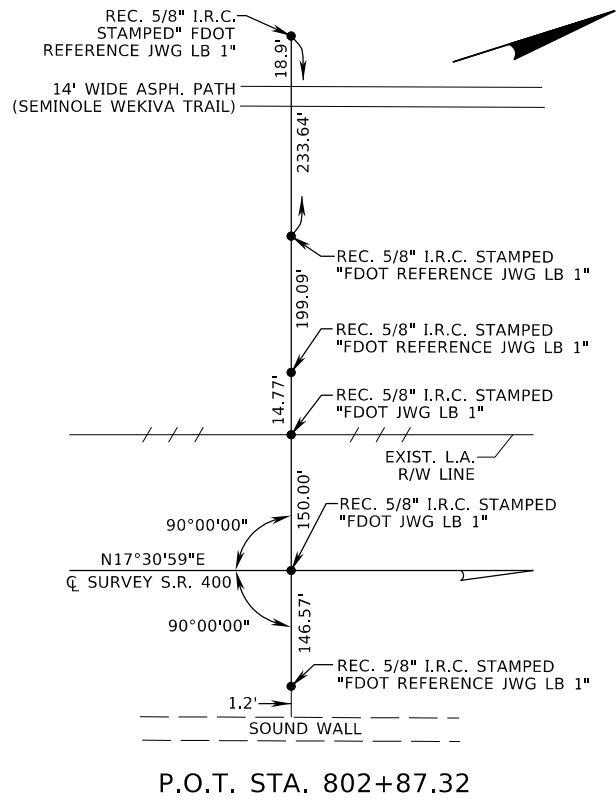
REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENT	SHEET NO. 61
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		

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



REVISIONS				HORIZON ENGINEERING GROUP, INC. 2603 Maitland Center Pkwy., Suite B Maitland, Florida 32751 Phone: 407-644-7755 Certificate of Authorization No.: 00009544 JOSEPH ROSELLI, P.E. NO. 72227	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENT	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SEMINOLE	439682-4-52-01		62

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REVISIONS				SOUTHEASTERN SURVEYING AND MAPPING CORP. 6500 ALL AMERICAN BLVD. ORLANDO, FLORIDA 32810-4520 Phone: 407-292-8580 CERTIFICATE OF AUTHORIZATION: 00002108 JAMES L. PETERSEN, P.E. NO. 04791	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT NETWORK CONTROL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		CTL-1
						SEMINOLE	439682-4-52-01		

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