

CONTRACT PLANS COMPONENTS

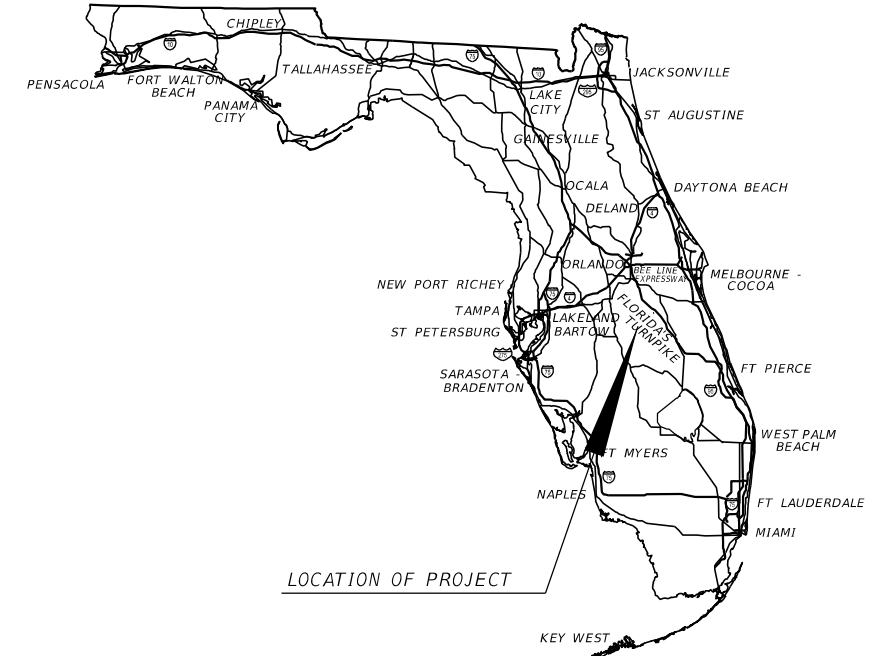
ROADWAY
SIGNING AND PAVEMENT MARKING

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLANS

**FINANCIAL PROJECT ID 449276-1-52-01 & 449276-1-52-02
POLK COUNTY (16130)**

**STATE ROAD NO. 60
RRR FROM WEST OF SADDLEBAG LAKE ROAD
TO EAST OF TIGER LAKE ROAD**



INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
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8	MODEL MANAGEMENT
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20-75	ROADWAY PLANS
76-77	DRAINAGE STRUCTURES
78-81	TRAFFIC RAILING RETROFIT DETAILS
82-86	TEMPORARY TRAFFIC CONTROL PLANS
87-142	UTILITY ADJUSTMENTS

EXISTING PLANS

BX-1 - BX-18 EXISTING BRIDGE PLANS

UTV-1* VERIFIED UTILITY LOCATE SHEETS

*These sheets are included in the index of Roadway Plans only to indicate that they are part of the Roadway Plans. These sheets are contained in a separate digitally signed and sealed document.

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2025-26 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>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2025-26 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

PROJECT LOCATION URL: <https://tinyurl.com/2p95mtra>

PROJECT LIMITS: BEGIN MP 6.398 - END MP 12.642

EXCEPTIONS: NONE

BRIDGE LIMITS: BR#160217 MP 11.426 - MP 11.464
BR#160218 MP 11.426 - MP 11.464

RAILROAD CROSSING: NONE

**PHASE IIR SUBMITTAL
06/21/2024**

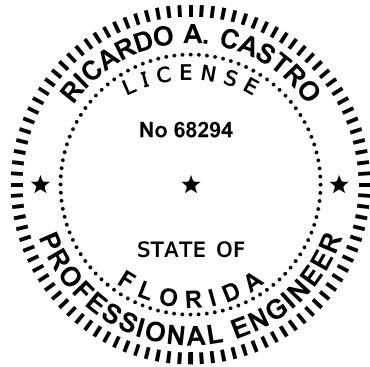
**ROADWAY PLANS
ENGINEER OF RECORD:**

RICARDO A. CASTRO, P.E.
P.E. LICENSE NUMBER 68294
ROADWAY DESIGN SOLUTIONS, INC.
8600 NW 17TH STREET, SUITE 145
DORAL, FLORIDA 33126
(786) 600-7951
CONTRACT NO.: CAL53
VENDOR NO.: 86-2085550

FDOT PROJECT MANAGER:

JENNIFER MCKINNEY

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T1892	25	1



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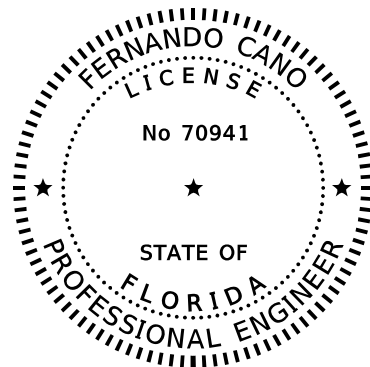
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ROADWAY DESIGN SOLUTIONS, INC.
8600 NW 17TH STREET, SUITE 145
DORAL, FL 33126
RICARDO A. CASTRO, P.E. NO. 68294

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1	KEY SHEET
2	SIGNATURE SHEET
3-4	TYPICAL SECTIONS
5-7	TYPICAL SECTION DETAILS
8	MODEL MANAGEMENT
9-18	PROJECT CONTROL
19	GENERAL NOTES
20-75	ROADWAY PLANS
87-142	UTILITY ADJUSTMENTS



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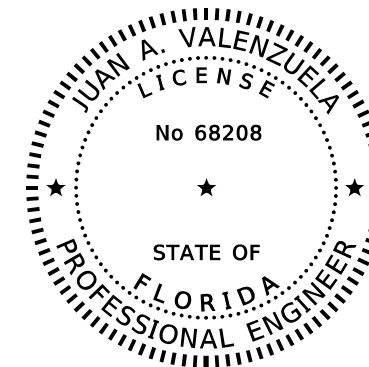
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VIA ENGINEERING GROUP, INC.
3925 PEPPERVINE DRIVE, SUITE 2B
ORLANDO, FL 32828
FERNANDO CANO, P.E. NO. 70941

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
76-77	DRAINAGE STRUCTURES



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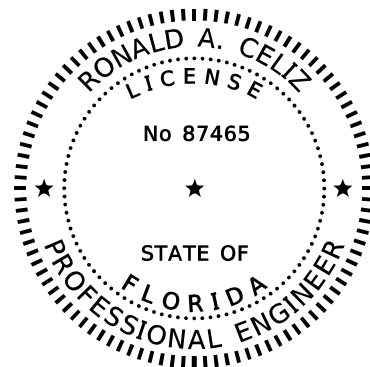
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FLORIDA BRIDGE & TRANSPORTATION, INC.
633 DARTMOUTH STREET
ORLANDO, FL. 32804
JUAN A. VALENZUELA, P.E. NO. 68208

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
78-81	TRAFFIC RAILING RETROFIT DETAILS



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ON THE DATE ADJACENT TO THE SEAL

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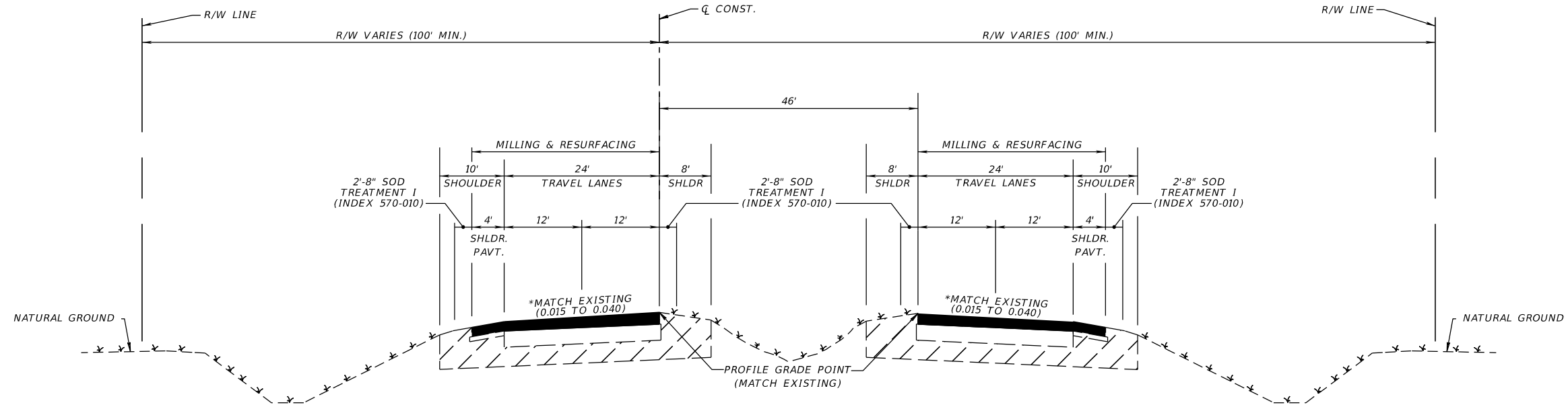
ROADWAY DESIGN SOLUTIONS, INC.
8600 NW 17TH STREET, SUITE 145
DORAL, FL 33126
RONALD A. CELIZ, P.E. NO. 87465

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

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
82-86	TEMPORARY TRAFFIC CONTROL PLANS

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY		FINANCIAL PROJECT ID
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126					SR 60	
SIGNATURE SHEET										



**TYPICAL SECTION
SR 60
STA. 1000+50.00 TO STA. 1330+28.59**

NOTES:

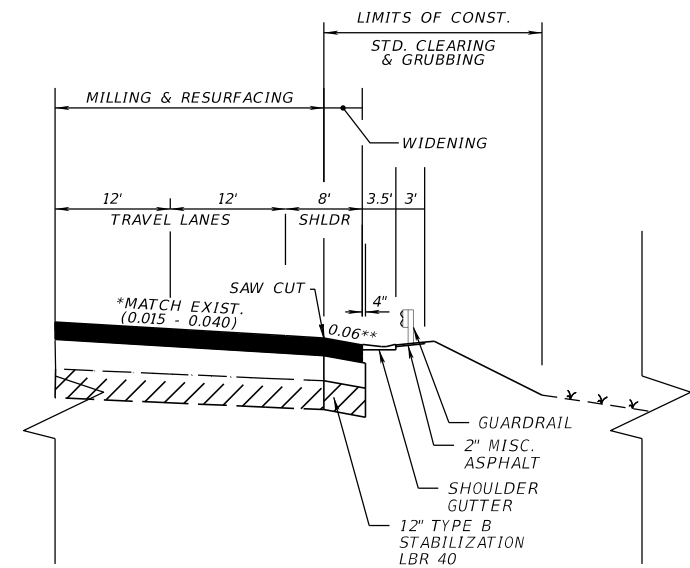
* SEE OVERBUILD AND RESURFACING
DETAIL FOR LOCATIONS THAT REQUIRE
CROSS SLOPE CORRECTION

**MILLING AND RESURFACING
TRAVEL LANES & OUTSIDE SHOULDERS
STA. 1000+50.00 TO STA. 1266+30.03
STA. 1268+33.07 TO STA. 1330+28.59**

MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2.75")
TYPE SP STRUCTURAL COURSE (TRAFFIC E) (2") (PG 76-22)
FRICTION COURSE FC-5 (3/4") (PG 76-22)

**RESURFACING LONGITUDINAL GROOVING
(1276+00.00 TO 1325+40.00 EB DIRECTION)**

TYPE SP STRUCTURAL COURSE (TRAFFIC E) (1 1/2")
FRICTION COURSE FC-12.5 (TRAFFIC E) (PG 76-22) (1 1/2")
GROOVING (3/16" - 3/8" DEPTH, SPACED 3/4")



**WIDENING
1268+53.20 TO 1271+00.16 LT
1268+53.20 TO 1269+43.92 RT**

OPTIONAL BASE GROUP 09
TYPE SP STRUCTURAL COURSE (TRAFFIC E) (2") (PG 76-22)
FRICTION COURSE FC-5 (3/4") (PG 76-22)

NOTES:

** SHOULDER CROSS SLOPE (RT)
5% FROM STA. 1268+53.20 TO STA. 1268+83.20
TRANSITION FROM 5% TO 6% FROM STA. 1268+83.20 TO STA. 1269+43.20
6% FROM STA. 1269+43.20 TO STA. 1269+43.92

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 16200
ESTIMATED OPENING YEAR = 2025 AADT = 18100
ESTIMATED DESIGN YEAR = 2045 AADT = 24500
K = 9.5% D = 56% T = 23.3% (24 HOUR)
DESIGN HOUR T = 11%

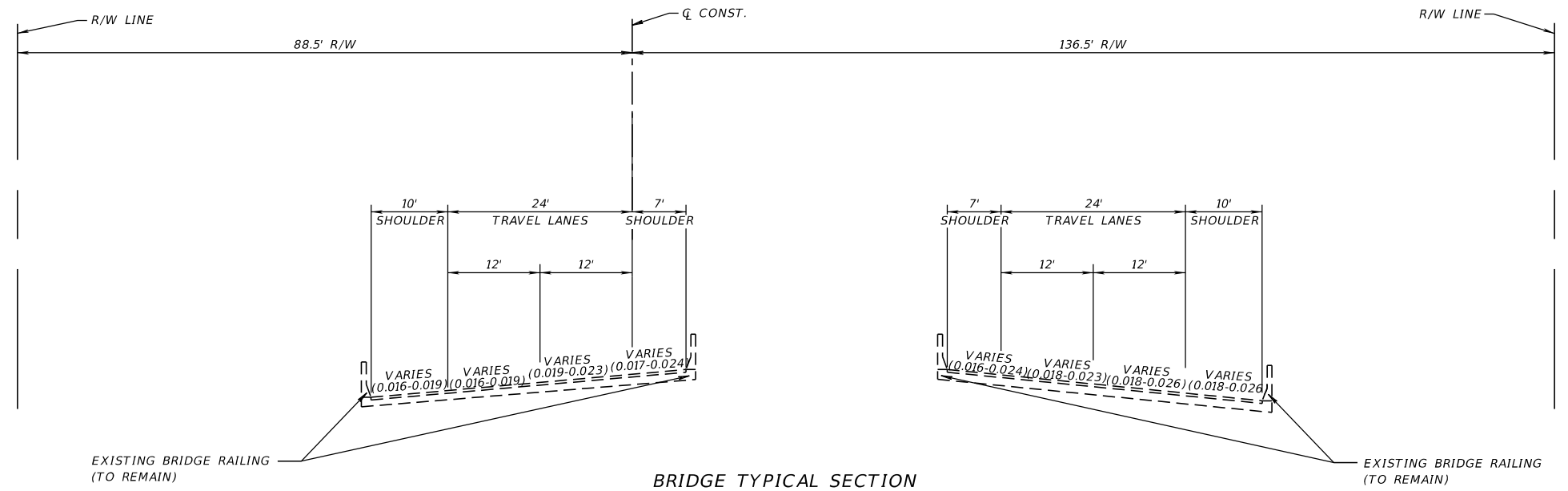
MP 6.398 TO MP 9.674
DESIGN SPEED = 70 MPH
POSTED SPEED = 65 MPH

MP 9.674 TO MP 12.642
DESIGN SPEED = 65 MPH
POSTED SPEED = 65 MPH

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 60	POLK	449276-1-52-01	TYPICAL SECTIONS			
										3

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BRIDGE TYPICAL SECTION
NO. 160217 & 160218
SR 60
 TRAVEL LANES
 STA. 1266+30.03 TO STA. 1268+33.07

TRAFFIC DATA

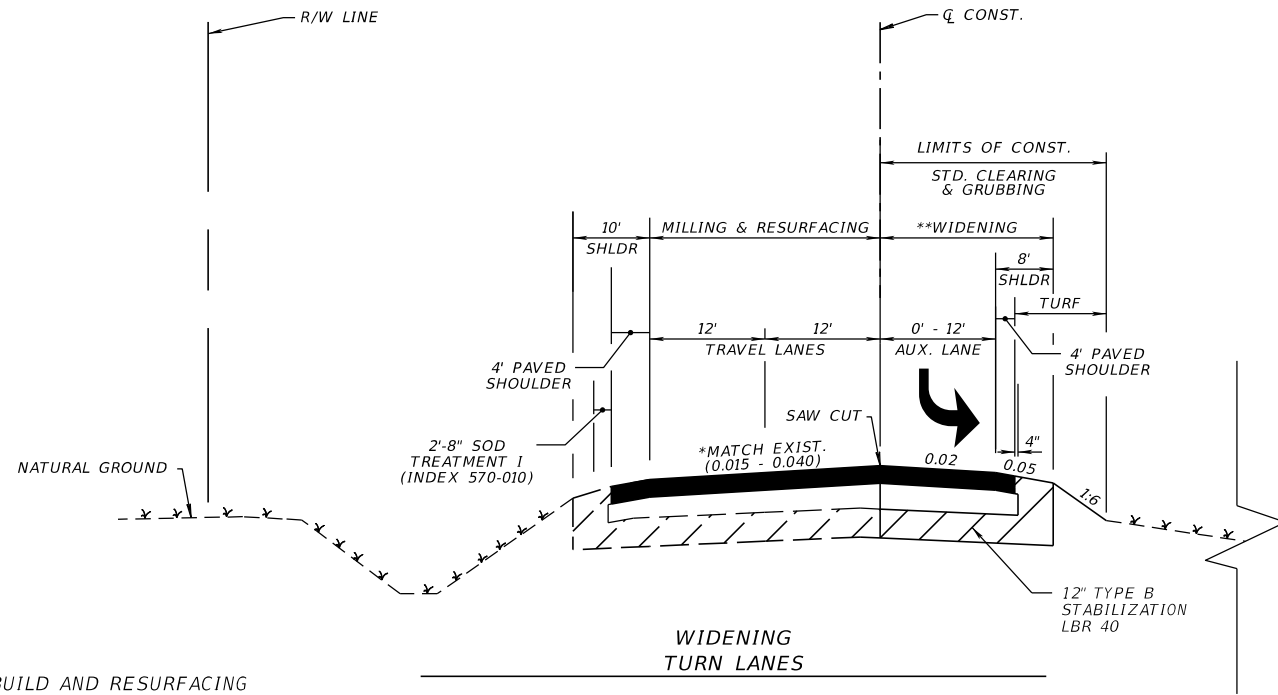
CURRENT YEAR = 2019 AADT = 16200
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 ESTIMATED DESIGN YEAR = 2045 AADT = 24500
 K = 9.5% D = 56% T = 23.3% (24 HOUR)
 DESIGN HOUR T = 11%
 DESIGN SPEED = 65 MPH
 POSTED SPEED = 65 MPH

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	POLK	449276-1-52-01	4

TYPICAL SECTIONS



NOTES:

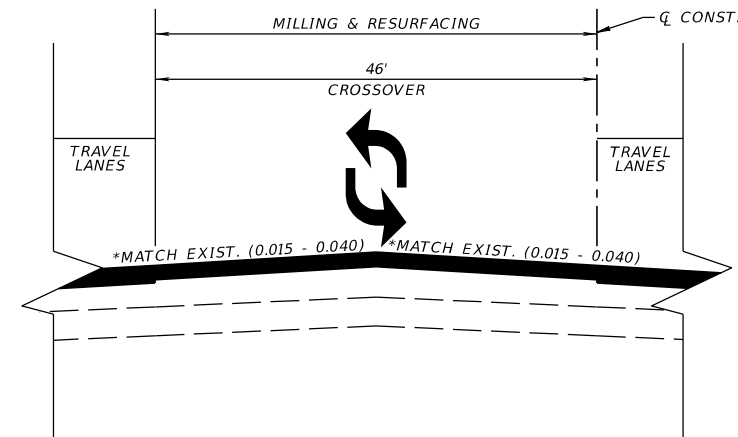
*SEE OVERBUILD AND RESURFACING DETAIL FOR LOCATIONS THAT REQUIRE CROSS SLOPE CORRECTION

**ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL EXISTING PAVEMENT WIDTH. A UNIFORM WIDTH BASE WIDENING STRIP MAY BE CONSTRUCTED AT NO ADDITIONAL COMPENSATION.

WIDENING TURN LANES
 OPTIONAL BASE GROUP 09
 TYPE SP STRUCTURAL COURSE (TRAFFIC E) (3") (PG 76-22)
 FRICTION COURSE FC-5 (3/4") (PG 76-22)

WIDENING SHOULDERS (INSIDE & OUTSIDE)
 OPTIONAL BASE GROUP 09
 TYPE SP STRUCTURAL COURSE (TRAFFIC E) (2") (PG 76-22)
 FRICTION COURSE FC-5 (3/4") (PG 76-22)

TURN LANE DETAIL
 STA. 1082+91.55 TO STA. 1089+20.72 (WESTBOUND)
 STA. 1092+66.40 TO STA. 1098+85.53 (EASTBOUND)
 STA. 1098+74.75 TO STA. 1105+03.59 (WESTBOUND)
 STA. 1104+70.71 TO STA. 1110+87.82 (EASTBOUND)



MILLING AND RESURFACING CROSSOVERS AND SIDE STREETS
 MILL EXISTING ASPHALT PAVEMENT FOR SLOPE (1 1/2" DEPTH)
 FRICTION COURSE FC-12.5 (TRAFFIC E) (1 1/2") (PG 76-22)

WIDENING CROSSOVERS
 OPTIONAL BASE GROUP 09
 TYPE SP STRUCTURAL COURSE (TRAFFIC E) (3") (PG 76-22)
 FRICTION COURSE FC-12.5 (1 1/2") (PG 76-22)

CROSSOVER DETAIL
 STA. 1006+00.26 TO STA. 1007+21.68
 STA. 1013+69.84 TO STA. 1014+74.28
 STA. 1025+89.45 TO STA. 1026+91.49
 STA. 1028+51.08 TO STA. 1029+87.86
 STA. 1042+24.64 TO STA. 1043+19.96
 STA. 1059+96.53 TO STA. 1060+64.32
 STA. 1070+76.54 TO STA. 1071+79.14
 STA. 1110+40.09 TO STA. 1111+05.06
 STA. 1130+39.42 TO STA. 1130+97.13
 STA. 1142+25.86 TO STA. 1142+88.71
 STA. 1152+40.07 TO STA. 1153+04.98
 STA. 1168+13.36 TO STA. 1168+76.60
 STA. 1183+65.60 TO STA. 1184+28.51
 STA. 1194.03.01 TO STA. 1195+10.64
 STA. 1225+94.00 TO STA. 1226+57.75
 STA. 1245+72.74 TO STA. 1246+39.56
 STA. 1257+72.97 TO STA. 1258+37.07
 STA. 1276+96.34 TO STA. 1277+59.85
 STA. 1302+99.22 TO STA. 1303+93.00

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 16200
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 ESTIMATED DESIGN YEAR = 2045 AADT = 24500
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 DESIGN HOUR T = 11%

MP 6.398 TO MP 9.674
 DESIGN SPEED = 70 MPH
 POSTED SPEED = 65 MPH

MP 9.674 TO MP 12.642
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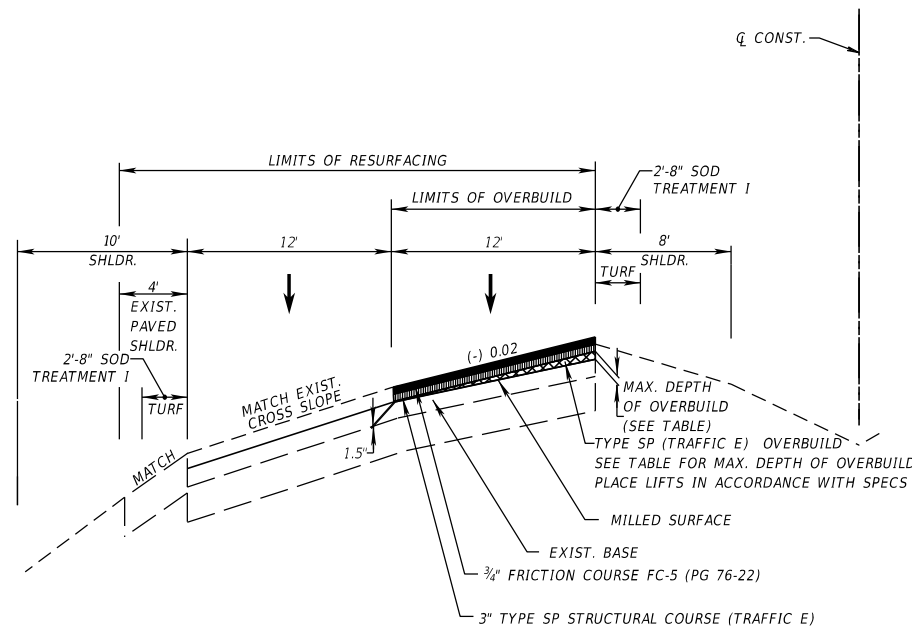
REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 60	POLK	449276-1-52-01	<p style="text-align: center;">TYPICAL SECTION DETAILS</p>			

INSIDE LANE CROSS SLOPE CORRECTION					
STATION	RT INSIDE LANE				
	SLOPE		OVERBUILD		
	EXIST.	PROP.	MAX DEPTH (IN.)	WIDTH (FT.)	
1020+00	-0.83%		3/8	12	0.4
1021+00	-1.47%		3/8	16	0.5
1022+00	-1.33%		3/8	24	0.8
1023+00	-1.30%		3/8	24	0.8
1142+00	-0.95%		3/8	16	0.5
1143+00	-0.70%		3/8	16	0.5
1144+00	-1.14%		3/8	12	0.4
1145+00	-1.20%		3/8	12	0.4
1146+00	-1.31%		3/8	12	0.4
1147+00	-1.29%		3/8	12	0.4
1148+00	-1.22%		3/8	12	0.4
1149+00	-1.13%		3/8	12	0.4
1150+00	-1.52%		3/8	12	0.4
1151+00	-1.55%		3/8	12	0.4
1152+00	-1.11%		3/8	16	0.5
1153+00	-1.05%		3/8	16	0.5
1154+00	-1.14%		3/8	12	0.4
1155+00	-1.08%		3/8	12	0.4
1156+00	-1.43%		3/8	12	0.4
1157+00	-1.33%		3/8	12	0.4
1158+00	-1.16%		3/8	12	0.4
1159+00	-1.18%		3/8	12	0.4
1160+00	-1.00%		3/8	12	0.4
1161+00	-1.03%		3/8	12	0.4
1162+00	-1.06%		3/8	12	0.4
1163+00	-0.73%		3/8	12	0.4
1164+00	-0.99%		3/8	12	0.4
1165+00	-1.34%		3/8	12	0.4
1166+00	-1.49%		3/8	12	0.4
1167+00	-1.13%		3/8	12	0.4
1168+00	-1.11%		3/8	24	0.8
1169+00	-1.22%		3/8	16	0.5
1170+00	-1.51%		3/8	12	0.4
1171+00	-1.23%		3/8	12	0.4
1172+00	-1.16%		3/8	12	0.4
1173+00	-1.40%		3/8	12	0.4
1174+00	-1.74%		3/8	12	0.4
1175+00	-1.33%		3/8	12	0.4
1176+00	-1.28%		3/8	12	0.4
1177+00	-1.19%		3/8	12	0.4
1178+00	-1.14%		3/8	12	0.4
1179+00	-1.29%		3/8	12	0.4

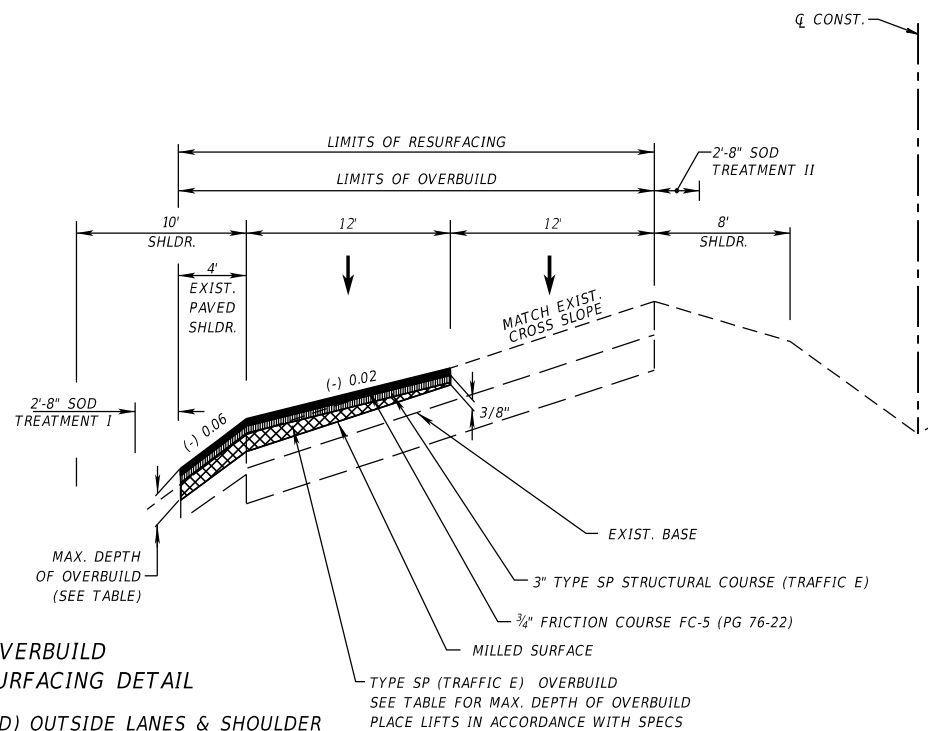
INSIDE LANE CROSS SLOPE CORRECTION					
STATION	LT INSIDE LANE				
	SLOPE		OVERBUILD		
	EXIST.	PROP.	MAX DEPTH (IN.)	WIDTH (FT.)	
1009+00	1.34%		3/8	12	0.4
1010+00	1.34%		3/8	12	0.4
1011+00	1.34%		3/8	12	0.4
1012+00	1.10%		3/8	12	0.4
1013+00	1.17%		3/8	12	0.4
1069+00	1.43%		3/8	12	0.4
1070+00	1.63%		3/8	12	0.4
1071+00	1.44%		3/8	24	0.8
1072+00	1.44%		3/8	24	0.8
1073+00	1.04%		3/8	24	0.8
1152+00	1.16%		3/8	16	0.5
1153+00	1.63%		3/8	16	0.5
1154+00	1.40%	2.00%	3/8	12	0.4
1155+00	1.40%		3/8	12	0.4
1156+00	1.36%		3/8	12	0.4
1157+00	1.08%		3/8	12	0.4
1158+00	1.47%		3/8	12	0.4
1159+00	1.38%		3/8	12	0.4
1160+00	1.38%		3/8	12	0.4
1161+00	1.57%		3/8	12	0.4
1162+00	1.29%		3/8	12	0.4
1163+00	1.50%		3/8	12	0.4
1164+00	1.43%		3/8	12	0.4
1165+00	1.51%		3/8	12	0.4
1166+00	1.13%		3/8	12	0.4

THE MINIMUM DESIRABLE CROSS SLOPE SHALL BE 1.5%.
 NOTE: THE AREA OF OVERBUILD IS BASED ON MIN. 3/8" OVERBUILD LIFT THICKNESS.

THE MINIMUM DESIRABLE CROSS SLOPE SHALL BE 1.5%.
 NOTE: THE AREA OF OVERBUILD IS BASED ON MIN. 3/8" OVERBUILD LIFT THICKNESS.



OVERBUILD AND RESURFACING DETAIL
 SR 60 (HESPERIDES ROAD) INSIDE LANES



OVERBUILD AND RESURFACING DETAIL
 SR 60 (HESPERIDES ROAD) OUTSIDE LANES & SHOULDER

OUTSIDE LANE & SHOULDER CROSS SLOPE CORRECTION							
STATION	LT OUTSIDE LANE & SHOULDER						
	OUTSIDE SHOULDER SLOPE		OUTSIDE LANE SLOPE		OVERBUILD		
	EXIST.	PROP.	EXIST.	PROP.	MAX DEPTH (IN.)		
1062+00	5.41%		5.18%		3/8	24	0.8
1063+00	4.86%		4.32%		3/8	20	0.6
1064+00	4.53%	6.00%	9.15%	2.00%	3/8	16	0.5
1065+00	4.94%		7.79%		3/8	16	0.5
1066+00	5.15%		4.52%		3/8	16	0.5

THE MINIMUM DESIRABLE CROSS SLOPE SHALL BE 1.5%.
 NOTE: THE AREA OF OVERBUILD IS BASED ON MIN. 3/8" OVERBUILD LIFT THICKNESS.

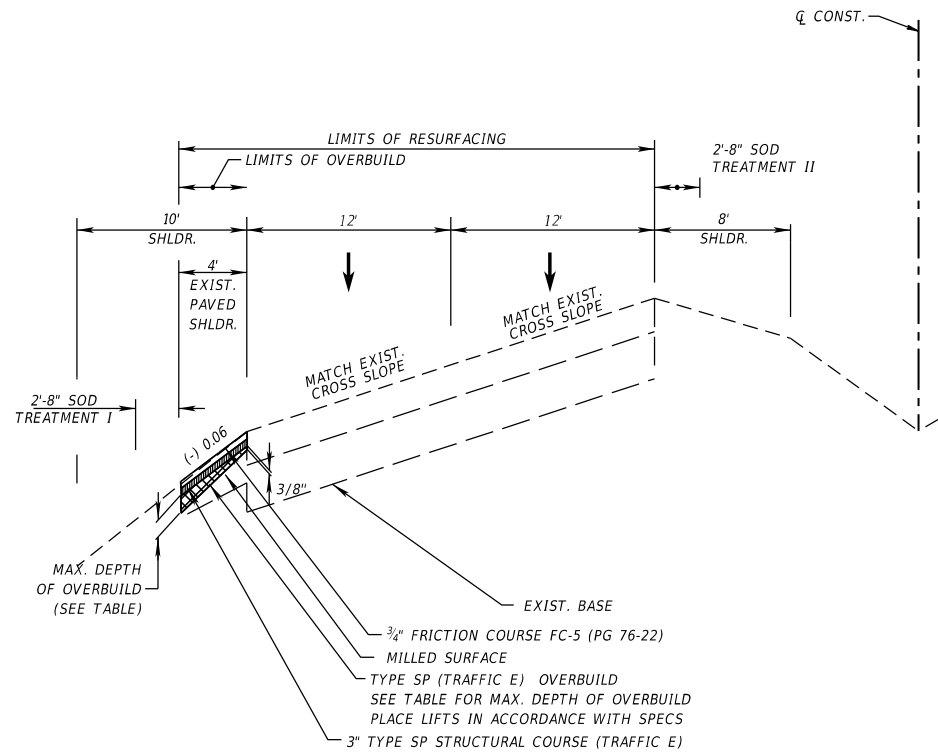
CROSS SLOPE CORRECTION DETAILS

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	POLK	449276-1-52-01	

TYPICAL SECTION DETAILS



OVERBUILD AND RESURFACING DETAIL
SR 60 (HESPERIDES ROAD) OUTSIDE SHOULDER

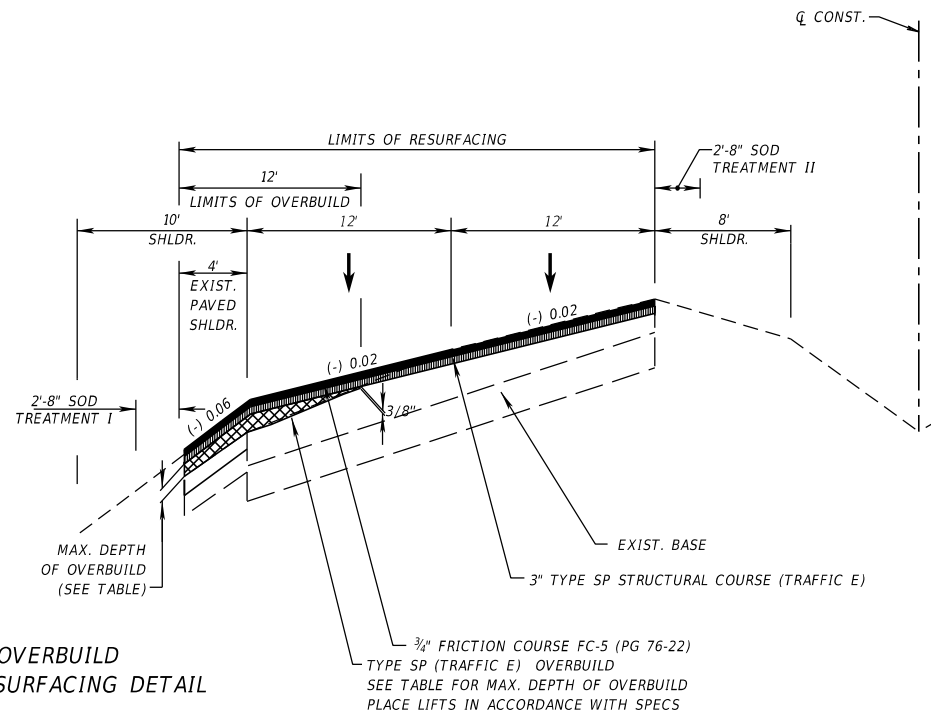
STATION	OUTSIDE SHOULDER CROSS SLOPE CORRECTION				
	LT OUTSIDE SHOULDER				
	EXIST.	PROP.	MAX DEPTH (IN.)	WIDTH (FT.)	AREA (SQ. FT.)
1013+00	1.65%	6.00%	3/8	4	0.1
1014+00	0.84%		3/8	4	0.1
1015+00	2.14%		3/8	4	0.1
1016+00	2.94%		3/8	4	0.1
1017+00	1.71%		3/8	4	0.1
1018+00	2.61%		3/8	4	0.1

THE MINIMUM DESIRABLE CROSS SLOPE SHALL BE 15%.
NOTE: THE AREA OF OVERBUILD IS BASED ON MIN. 3/8" OVERBUILD LIFT THICKNESS.

STATION	OUTSIDE SHOULDER CROSS SLOPE CORRECTION				
	RT OUTSIDE SHOULDER				
	EXIST.	PROP.	MAX DEPTH (IN.)	WIDTH (FT.)	AREA (SQ. FT.)
1001+00	1.20%	-5.00%	3/8	4	0.1
1002+00	1.60%		3/8	4	0.1
1003+00	2.09%		3/8	4	0.1
1004+00	0.56%		3/8	4	0.1
1005+00	-1.27%		3/8	4	0.1

THE MINIMUM DESIRABLE CROSS SLOPE SHALL BE 15%.
NOTE: THE AREA OF OVERBUILD IS BASED ON MIN. 3/8" OVERBUILD LIFT THICKNESS.

CROSS SLOPE CORRECTION DETAIL



OVERBUILD AND RESURFACING DETAIL
SR 60 (HESPERIDES ROAD) SUPERELEVATION RATE CORRECTION

STATION	SUPERELEVATION RATE CORRECTION						
	RT OUTSIDE LANE & SHOULDER						
	OUTSIDE LANE SLOPE		OUTSIDE SHOULDER SLOPE		OVERBUILD		
EXIST.	PROP.	EXIST.	PROP.	MAX DEPTH (IN.)	WIDTH (FT.)	AREA (SQ. FT.)	
1082+73	-2.36%	MATCH EXIST.	-6.00%	MATCH EXIST.	3/8	16	0.5
1083+00	-1.98%	-1.58%	-3.63%	-5.90%	3/8	16	0.5
1084+00	-0.47%	-0.04%	-2.58%	-5.51%	0.6	4	0.2
1085+00	-0.26%	1.49%	-1.83%	-5.13%	4.56	16	6.1
1086+00	-0.38%	2.00%	-3.12%	-5.00%	5.64	16	7.5
1087+00	0.04%		-3.58%		2.28	16	3.0
1088+00	0.19%		-3.51%		7.32	16	9.8
1089+00	-1.76%		4.76%		8.28	16	11.0
1090+00	0.59%		-3.28%		4.68	4	1.6
1091+00	0.31%		-3.32%		3.6	16	4.8
1092+00	0.84%		-2.23%		0.85	4	0.3
1093+00	-0.38%		-4.00%		2.4	16	3.2
1094+00	0.11%		-2.96%		2.04	16	2.7
1095+00	0.38%		-1.45%		2.4	16	3.2
1096+00	0.24%	1.74%	-1.50%	-3.51%	1.2	12	1.2
1097+00	-0.70%	0.78%	-2.31%	-2.21%	3/8	16	0.5
1097+81	-1.35%	MATCH EXIST.	-1.10%	MATCH EXIST.	3/8	16	0.5

THE MINIMUM DESIRABLE CROSS SLOPE SHALL BE 15%.
NOTE: THE AREA OF OVERBUILD IS BASED ON MIN. 3/8" OVERBUILD LIFT THICKNESS.

SUPERELEVATION RATE CORRECTION DETAIL

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

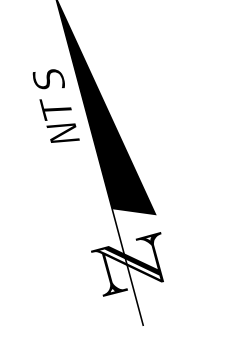
ENGINEER OF RECORD
RICARDO A. CASTRO, P.E.
LICENSE NUMBER: 68294
ROADWAY DESIGN SOLUTIONS, INC.
8600 NW 17TH STREET, SUITE 145
DORAL, FL 33126

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

TYPICAL SECTION DETAILS

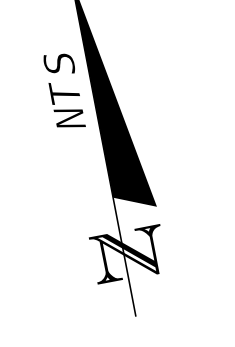
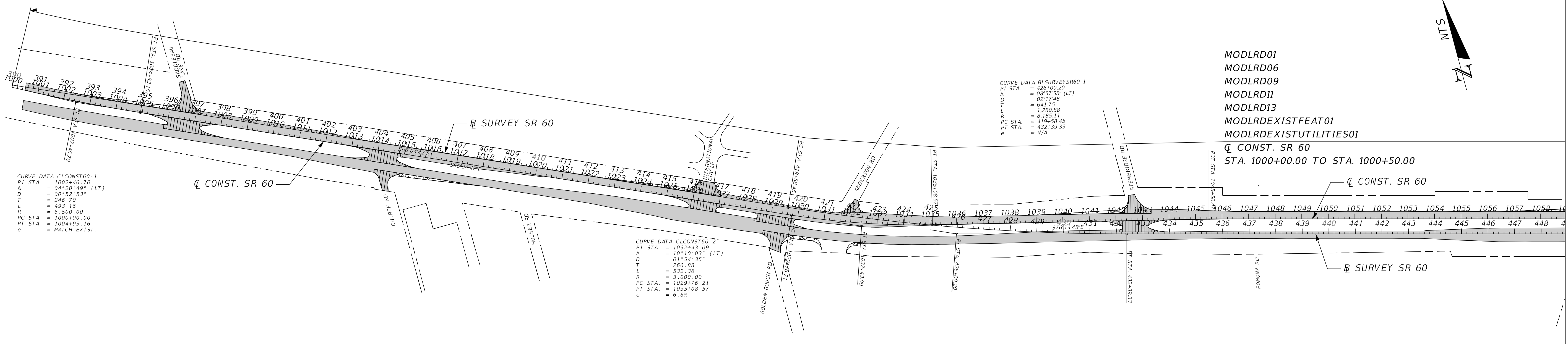
SHEET NO.
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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MODLRD13
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MODLRDEXISTUTILITIES01
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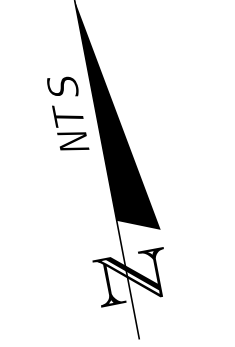
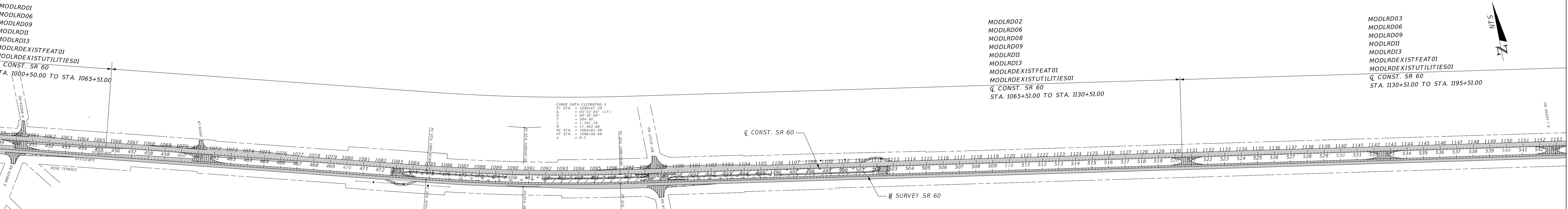
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MODLRD06
MODLRD09
MODLRD11
MODLRD13
MODLRDEXISTFEAT01
MODLRDEXISTUTILITIES01
CONST. SR 60
STA. 1130+51.00 TO STA. 1195+51.00

MODLRD02
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MODLRD08
MODLRD09
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MODLRDEXISTUTILITIES01
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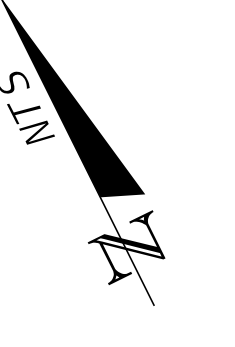
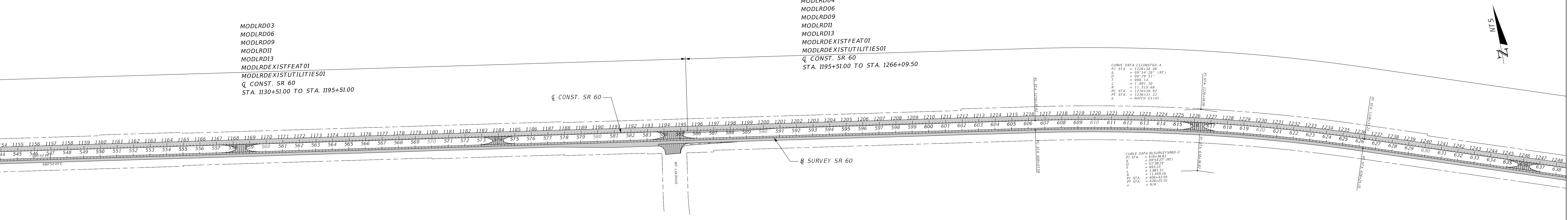
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MODLRD06
MODLRD09
MODLRD11
MODLRD13
MODLRDEXISTFEAT01
MODLRDEXISTUTILITIES01
CONST. SR 60
STA. 1195+51.00 TO STA. 1266+09.50

MODLRD03
MODLRD06
MODLRD09
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STA. 1130+51.00 TO STA. 1195+51.00

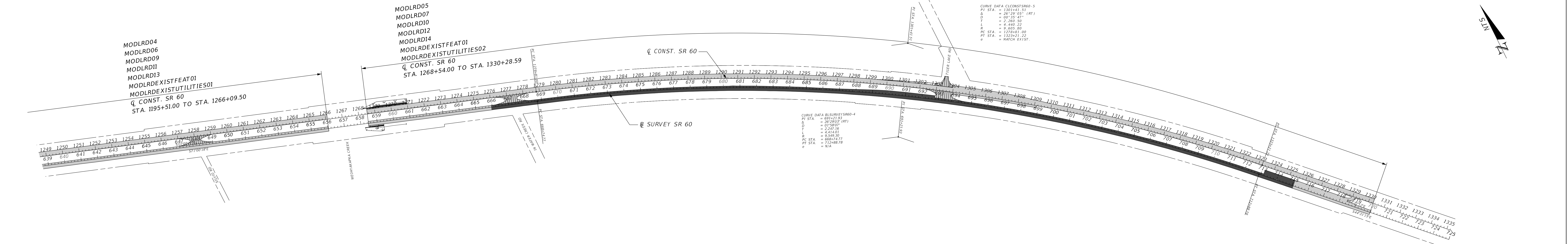
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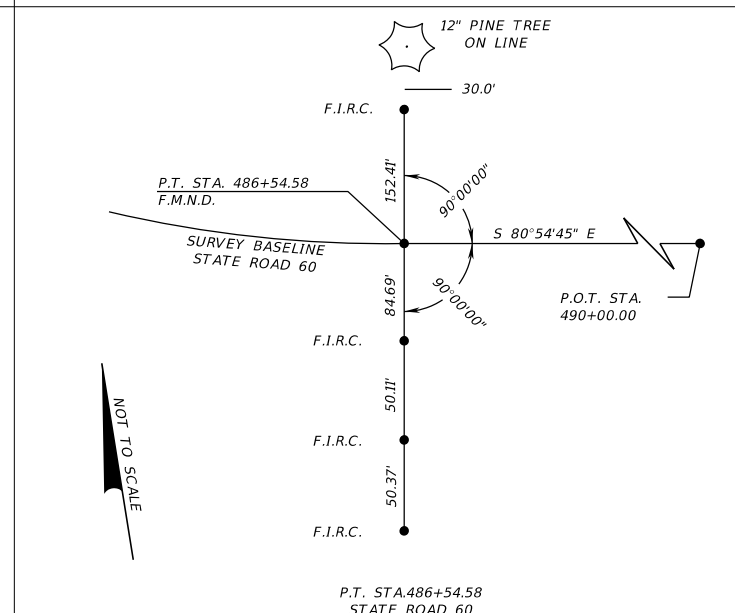
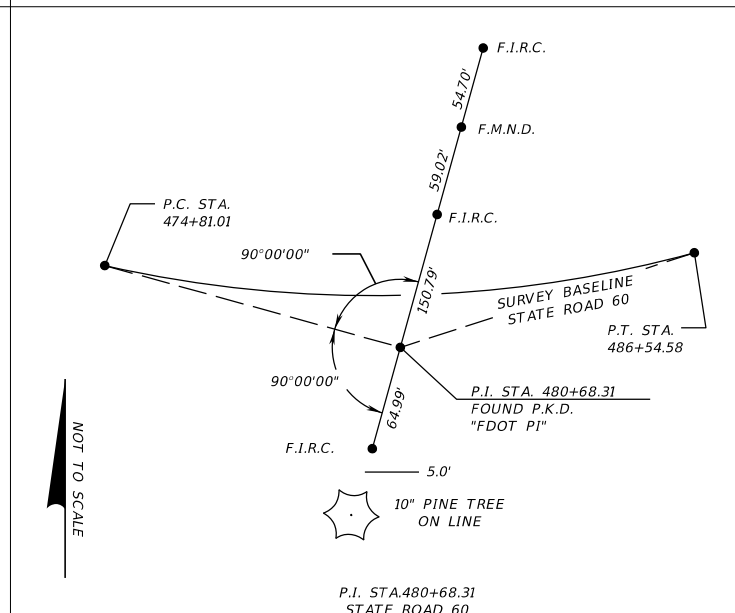
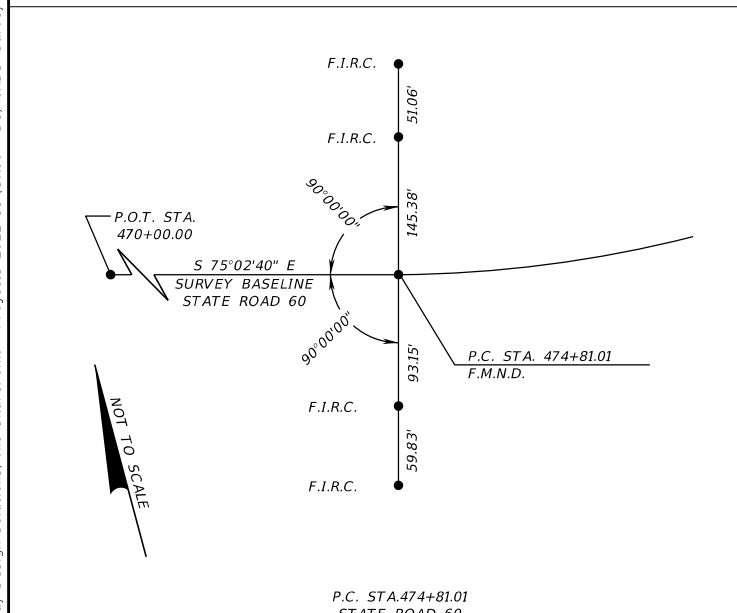
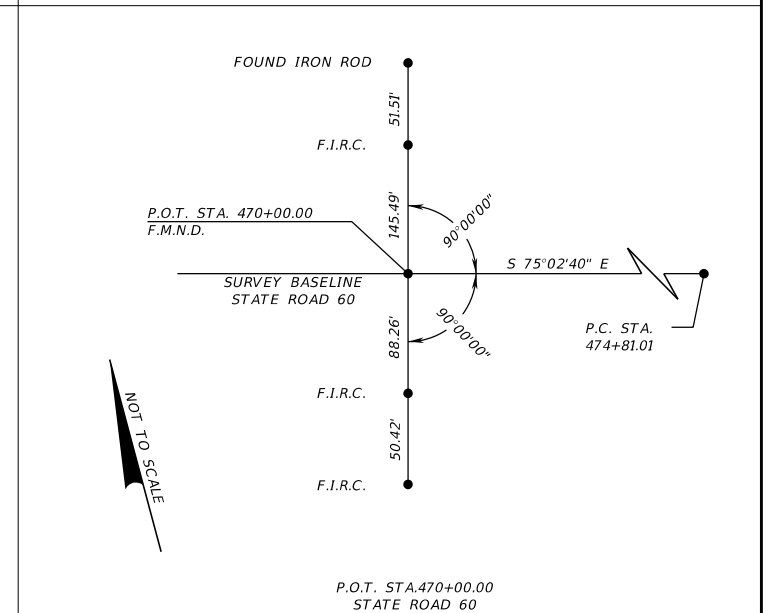
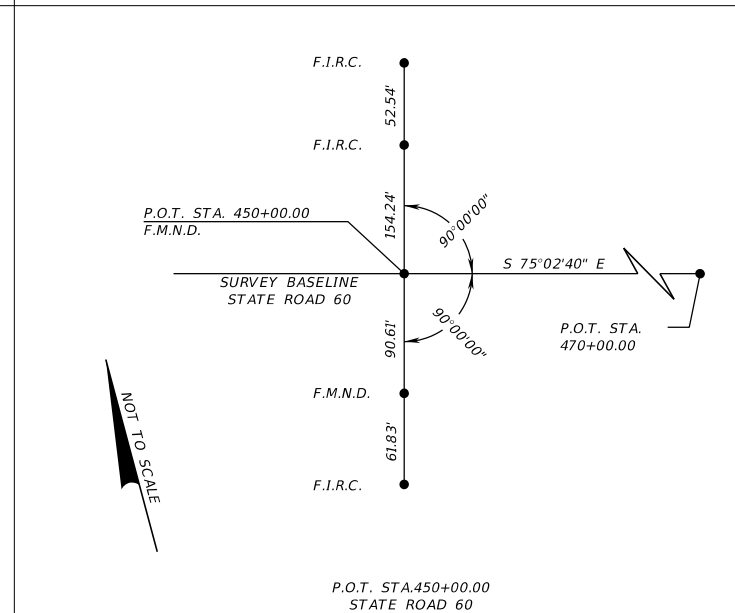
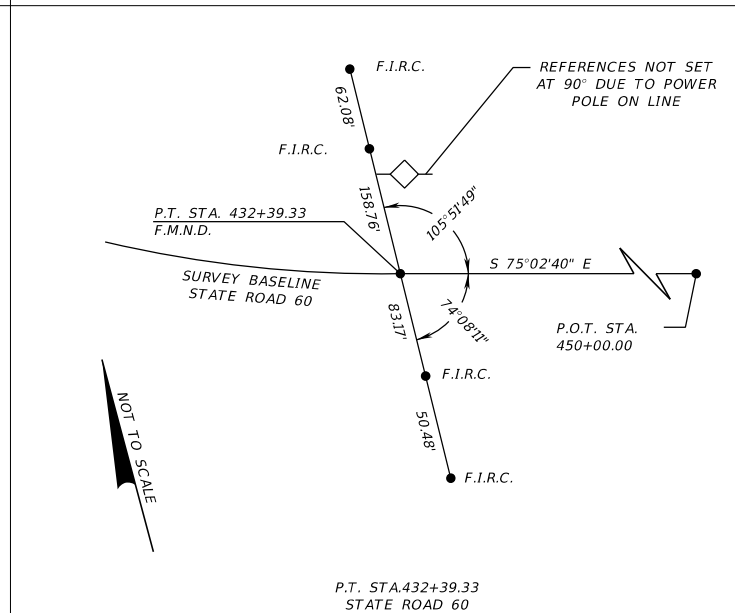
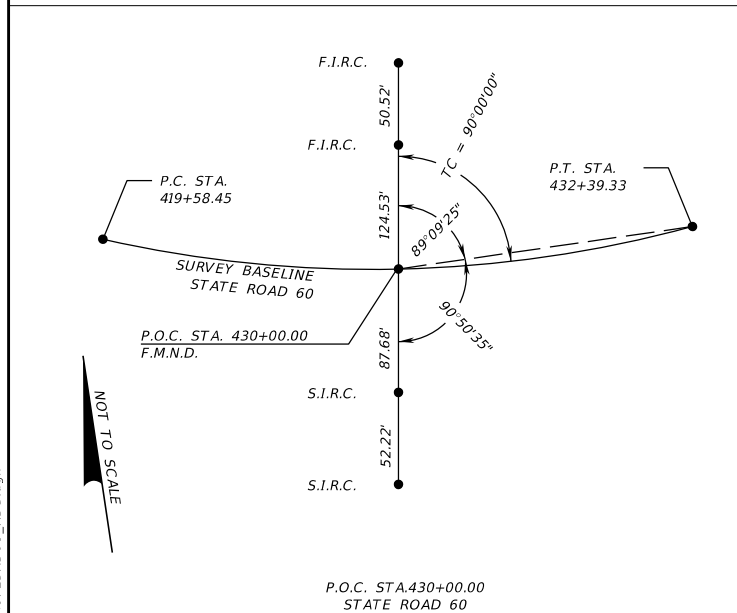
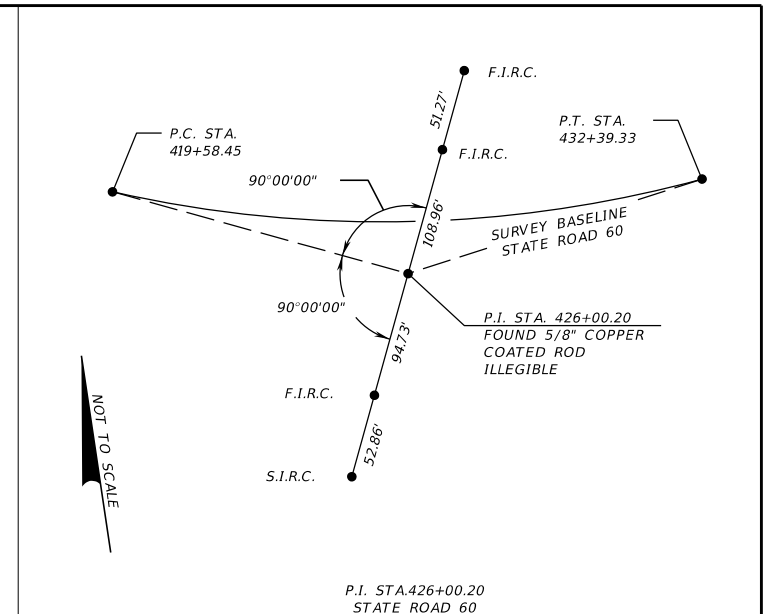
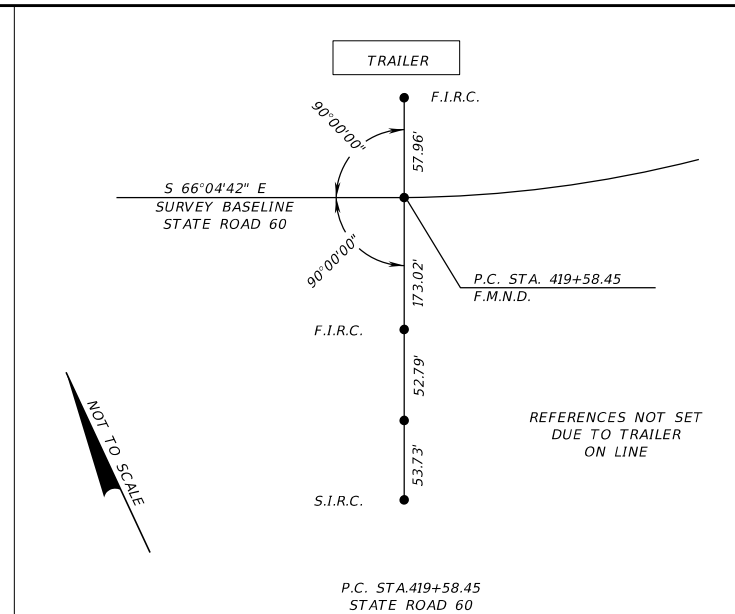
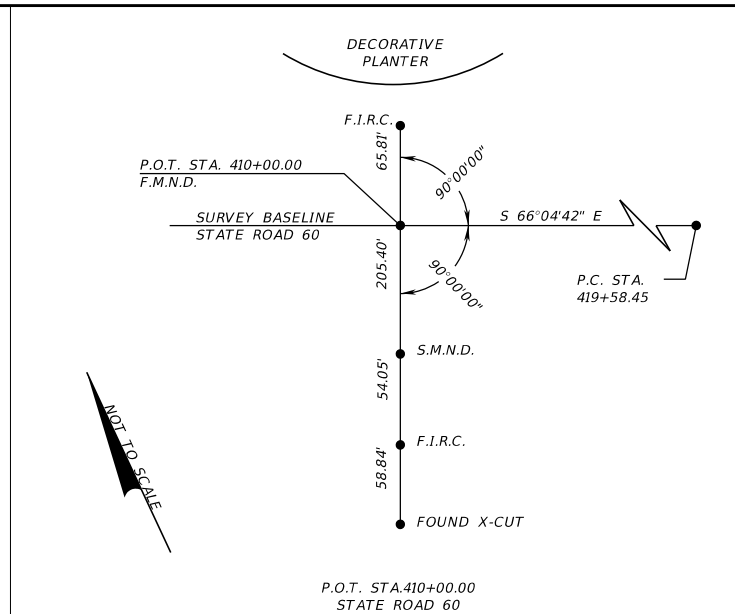
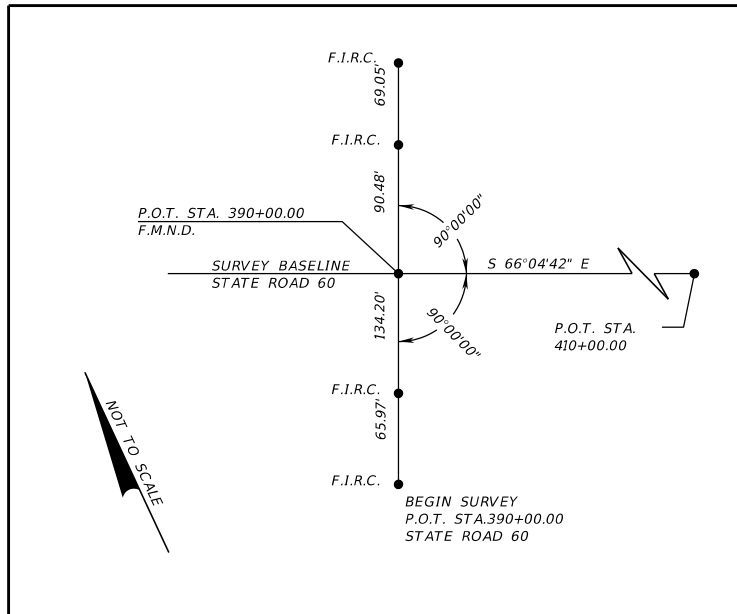
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MODLRD10
MODLRD12
MODLRD14
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MODLRDEXISTUTILITIES02
CONST. SR 60
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MODLRD04
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MODLRD09
MODLRD11
MODLRD13
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MODLRDEXISTUTILITIES01
CONST. SR 60
STA. 1195+51.00 TO STA. 1266+09.50

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LEGEND

- F.I.R.C. = FOUND 5/8" IRON ROD AND CAP STAMPED FDOT REF LB 1221
- F.M.N.D. = FOUND MAG NAIL & DISK STAMPED FDOT REF LB 1221
- P.C. = POINT OF CURVATURE
- P.I. = POINT OF INTERSECTION
- P.K.D. = PARKER-KALON NAIL AND DISK
- P.T. = POINT OF TANGENCY
- P.O.C. = POINT ON CURVE
- P.O.T. = POINT ON TANGENT
- S.I.R.C. = SET 5/8" IRON ROD AND CAP STAMPED LB 8431
- S.M.N.D. = SET MAG NAIL & DISK STAMPED LB 8431
- TC = TANGENT TO CURVE

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD
 RICARDO A. CASTRO, P.E.
 LICENSE NUMBER: 68294
 ROADWAY DESIGN SOLUTIONS, INC.
 8600 NW 17TH STREET, SUITE 145
 DORAL, FL 33126

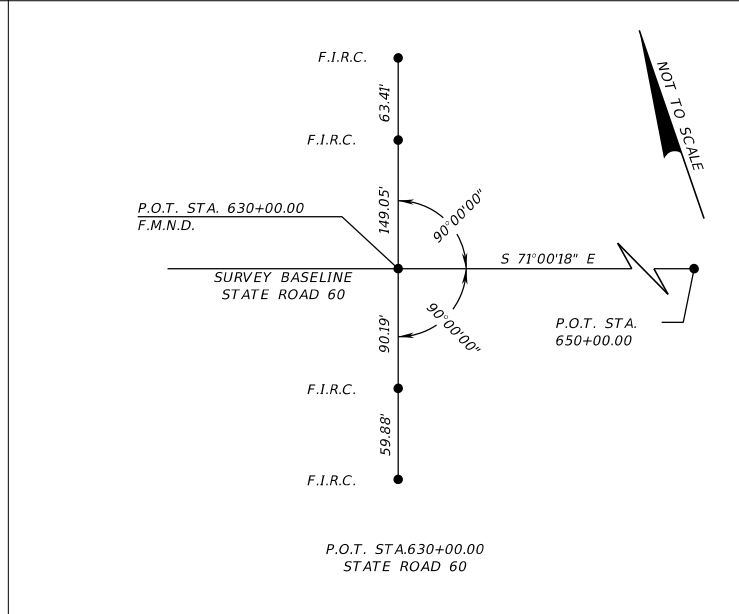
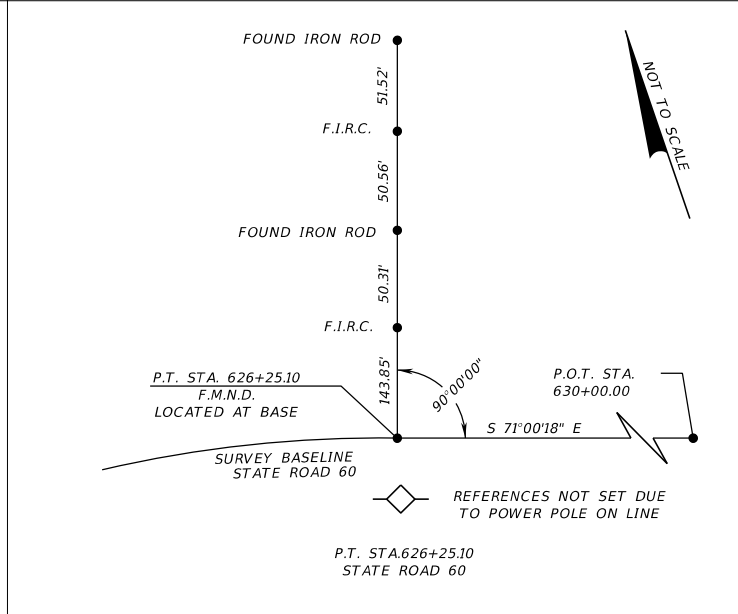
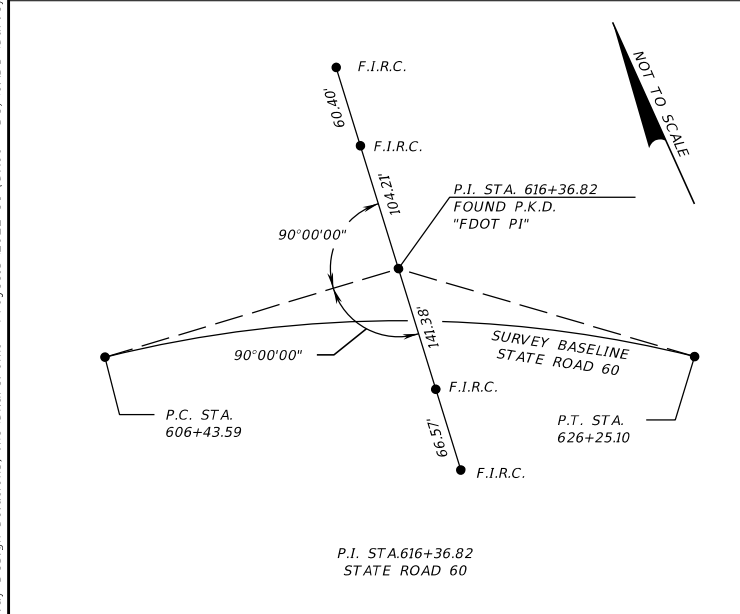
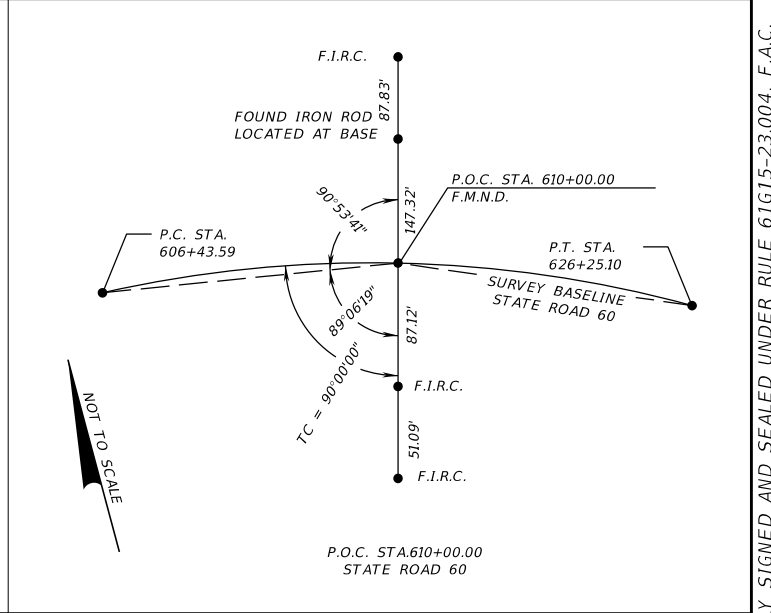
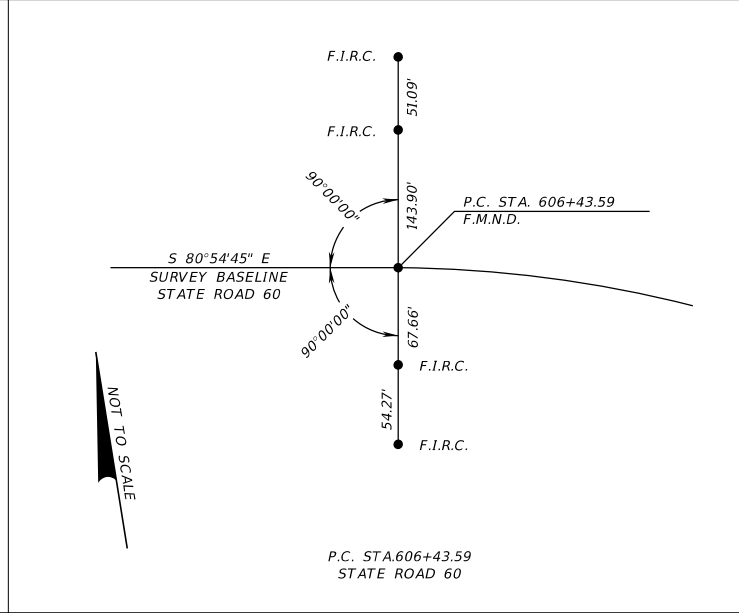
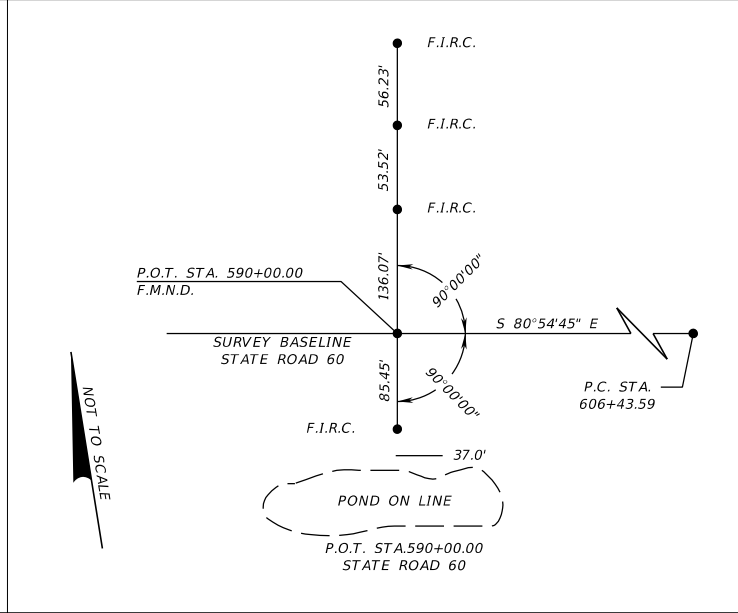
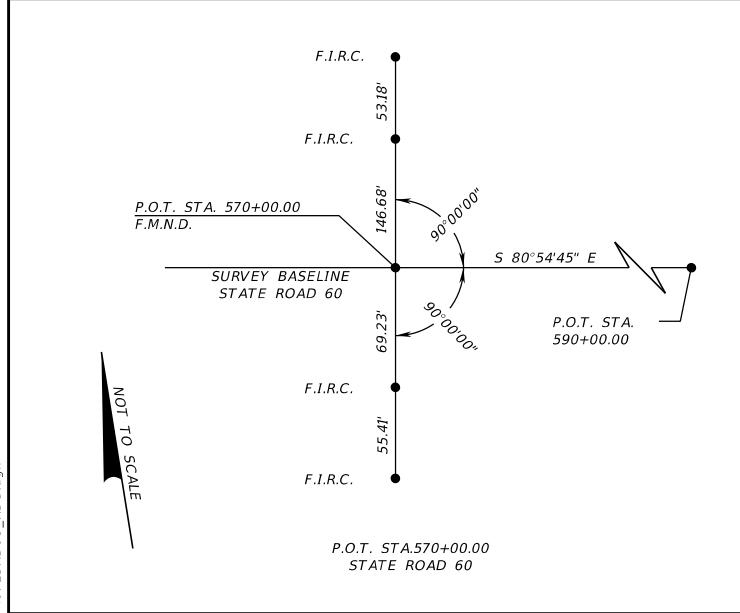
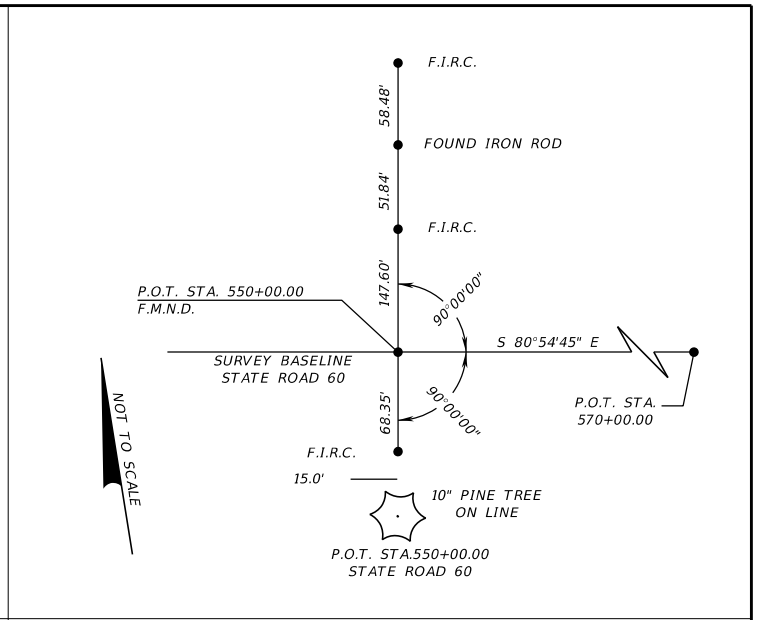
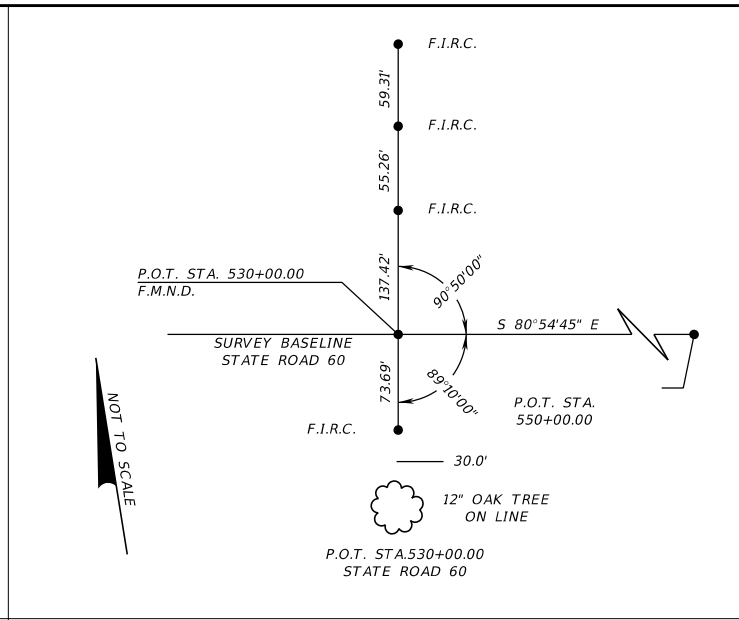
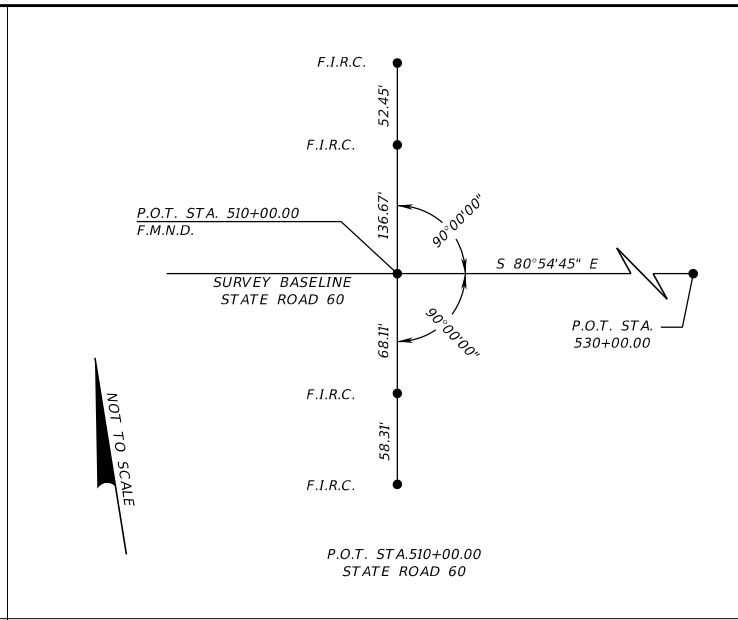
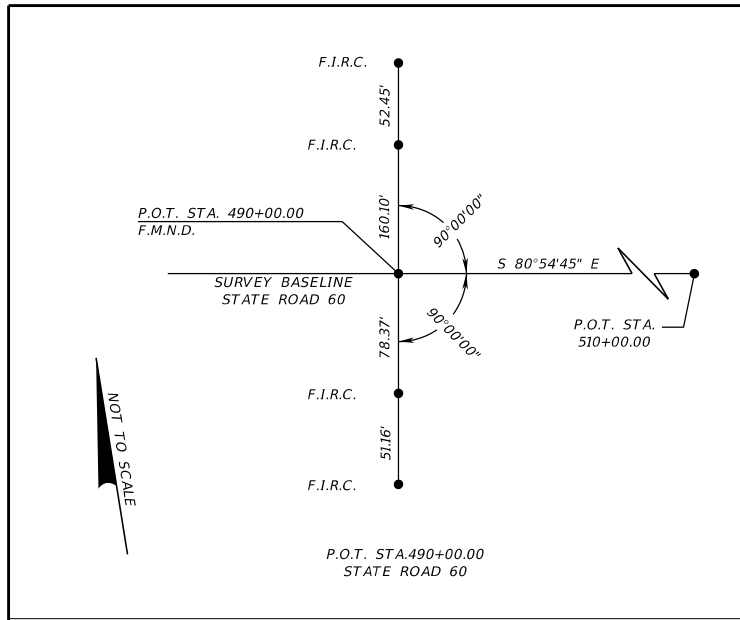
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

PROJECT CONTROL

SHEET NO.
9

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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LEGEND

- F.I.R.C. = SET 5/8" IRON ROD AND CAP STAMPED FDOT REF LB 1221
- F.M.N.D. = SET MAG NAIL & DISK STAMPED FDOT REF LB 1221
- P.C. = POINT OF CURVATURE
- P.I. = POINT OF INTERSECTION
- P.K.D. = PARKER-KALON NAIL AND DISK
- P.T. = POINT OF TANGENCY
- P.O.C. = POINT ON CURVE
- P.O.T. = POINT ON TANGENT
- S.I.R.C. = SET 5/8" IRON ROD AND CAP STAMPED LB 8431
- S.M.N.D. = SET MAG NAIL & DISK STAMPED LB 8431
- TC = TANGENT TO CURVE

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD

RICARDO A. CASTRO, P.E.
 LICENSE NUMBER: 68294
 ROADWAY DESIGN SOLUTIONS, INC.
 8600 NW 17TH STREET, SUITE 145
 DORAL, FL 33126

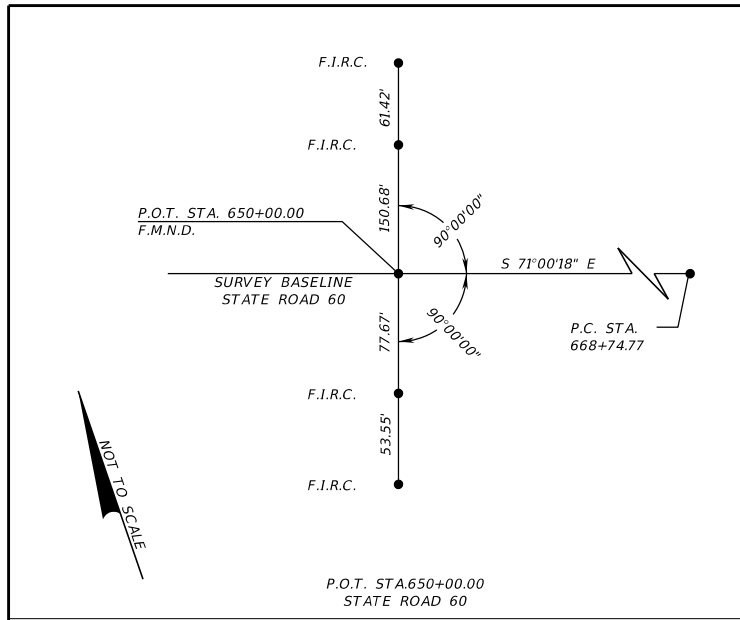
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

PROJECT CONTROL

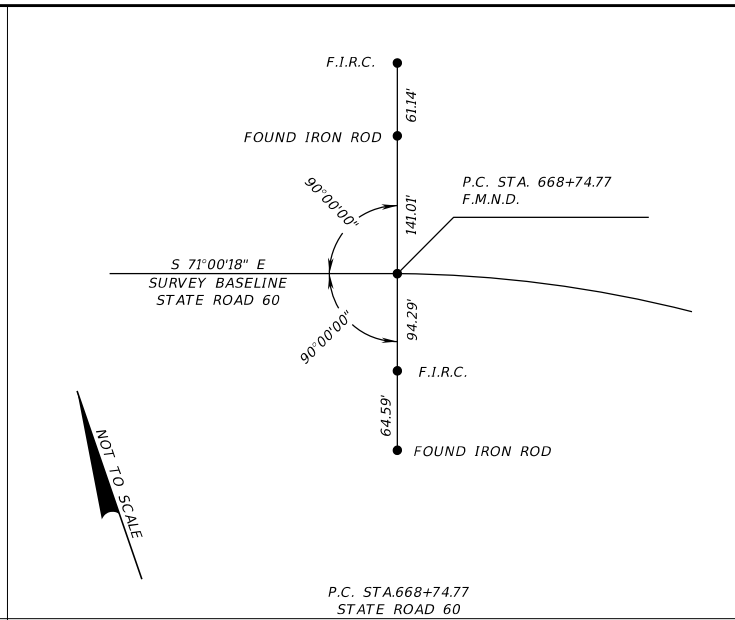
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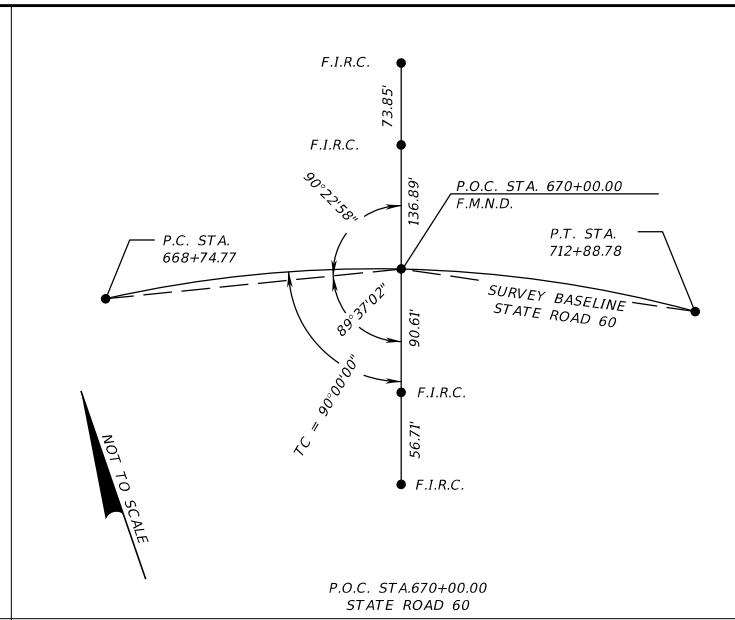
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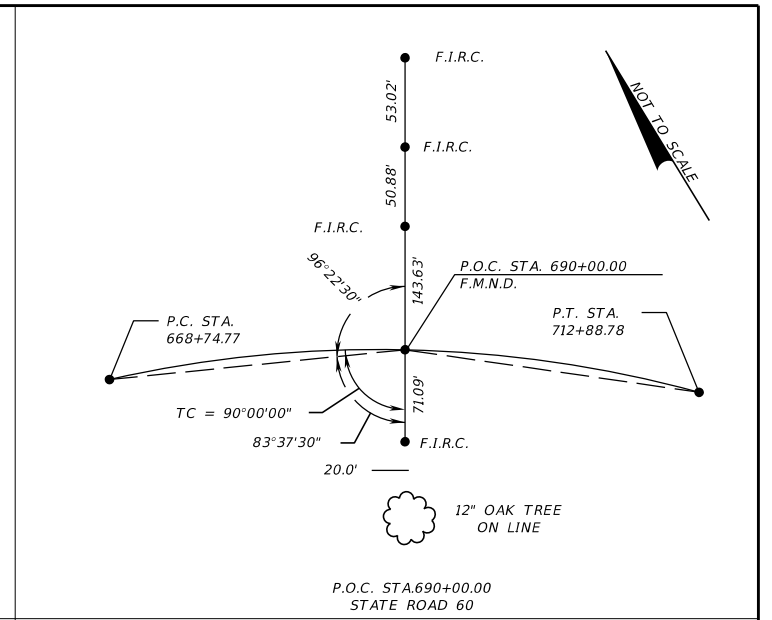
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STATE ROAD 60



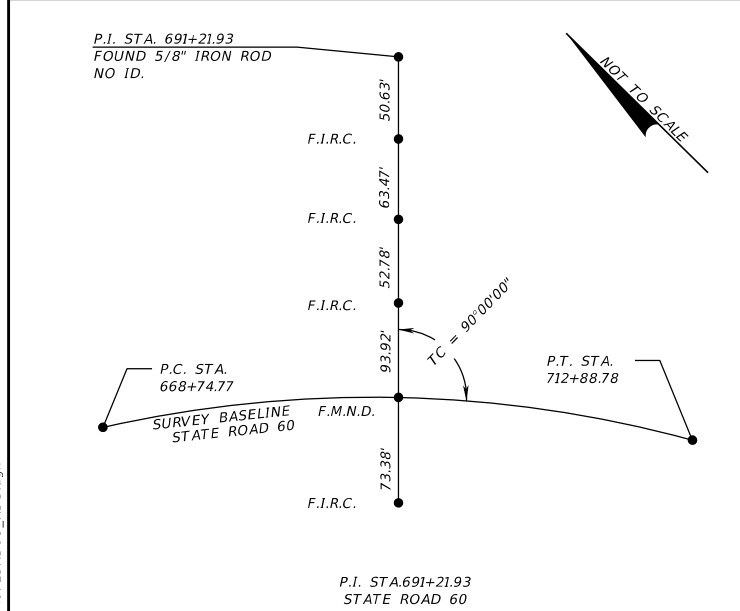
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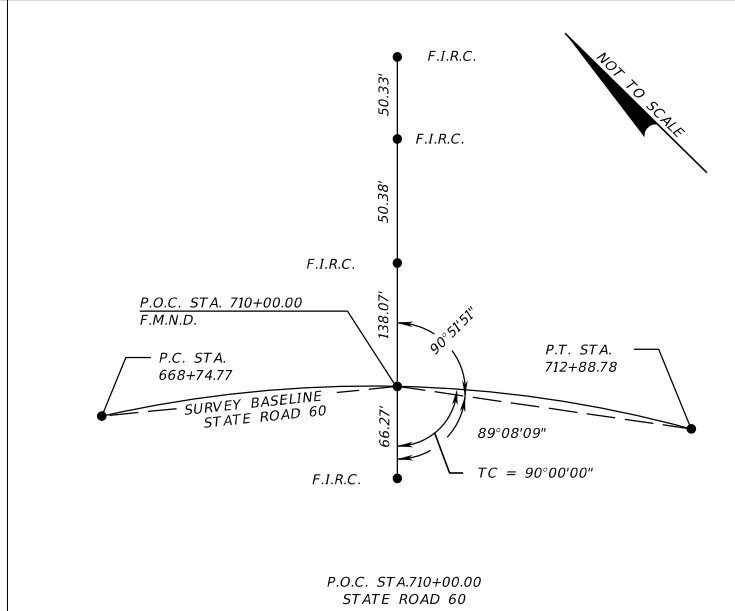
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STATE ROAD 60



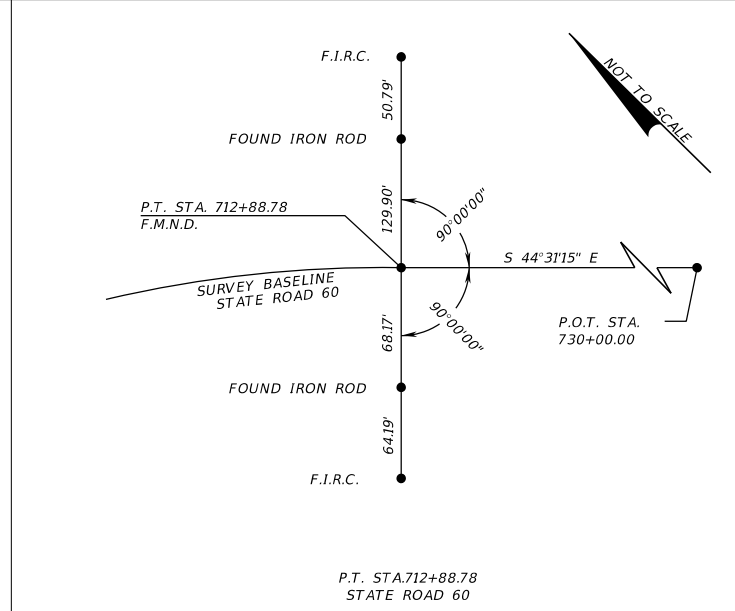
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STATE ROAD 60



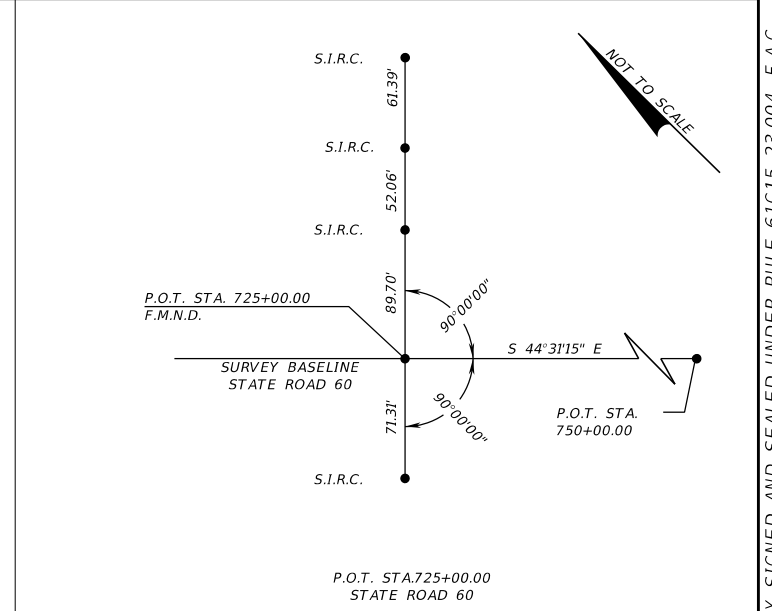
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STATE ROAD 60



P.O.C. STA 710+00.00
STATE ROAD 60



P.T. STA 712+88.78
STATE ROAD 60



P.O.T. STA 725+00.00
STATE ROAD 60

- LEGEND**
- F.I.R.C. = FOUND 5/8" IRON ROD AND CAP
STAMPED FDOT REF LB 1221
 - F.M.N.D. = FOUND MAG NAIL & DISK
STAMPED FDOT REF LB 1221
 - P.C. = POINT OF CURVATURE
 - P.I. = POINT OF INTERSECTION
 - P.K.D. = PARKER-KALON NAIL AND DISK
 - P.T. = POINT OF TANGENCY
 - P.O.C. = POINT ON CURVE
 - P.O.T. = POINT ON TANGENT
 - S.I.R.C. = SET 5/8" IRON ROD AND CAP
STAMPED LB 8431
 - S.M.N.D. = SET MAG NAIL & DISK
STAMPED LB 8431
 - TC = TANGENT TO CURVE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

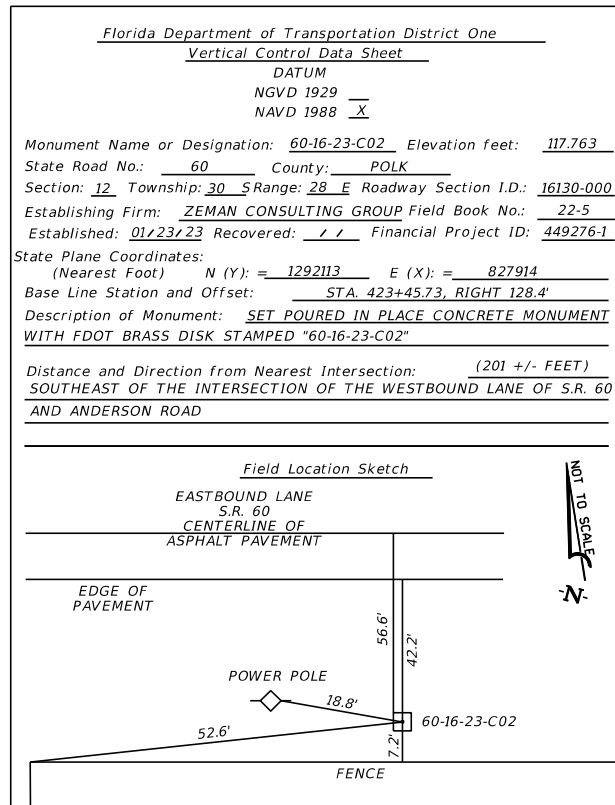
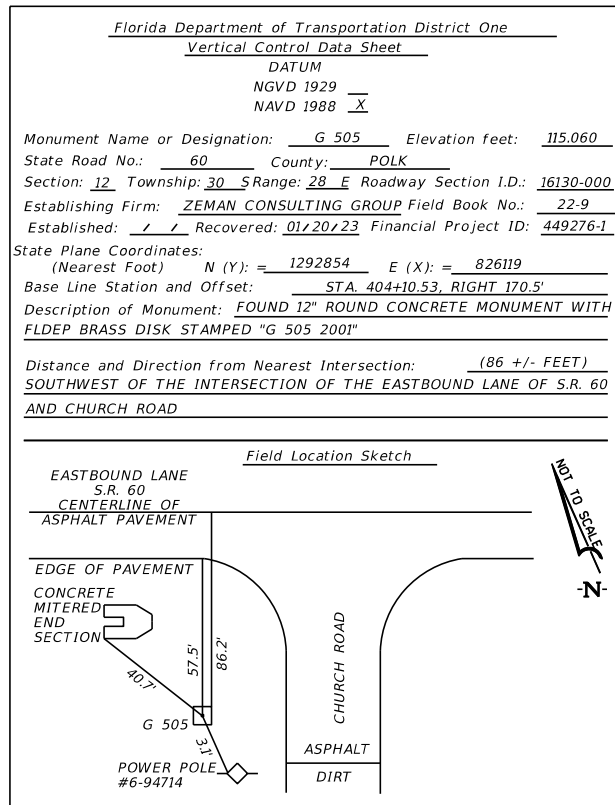
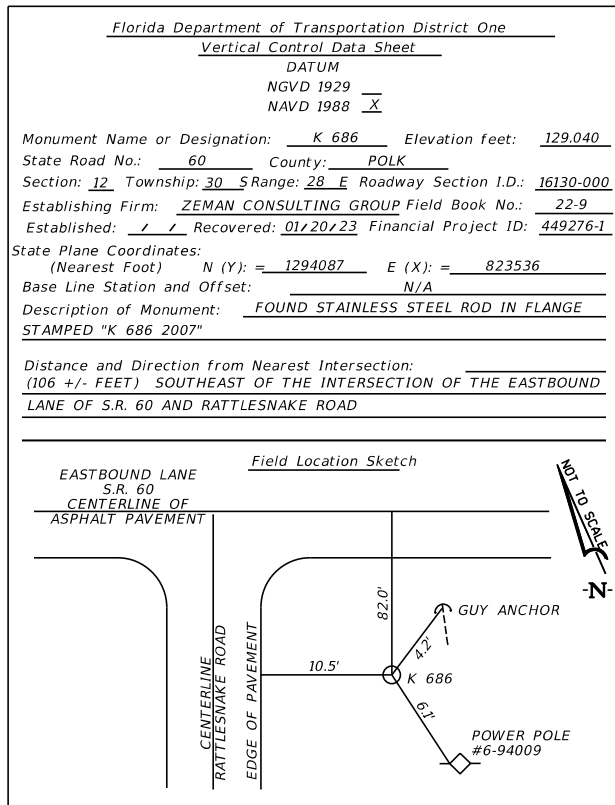
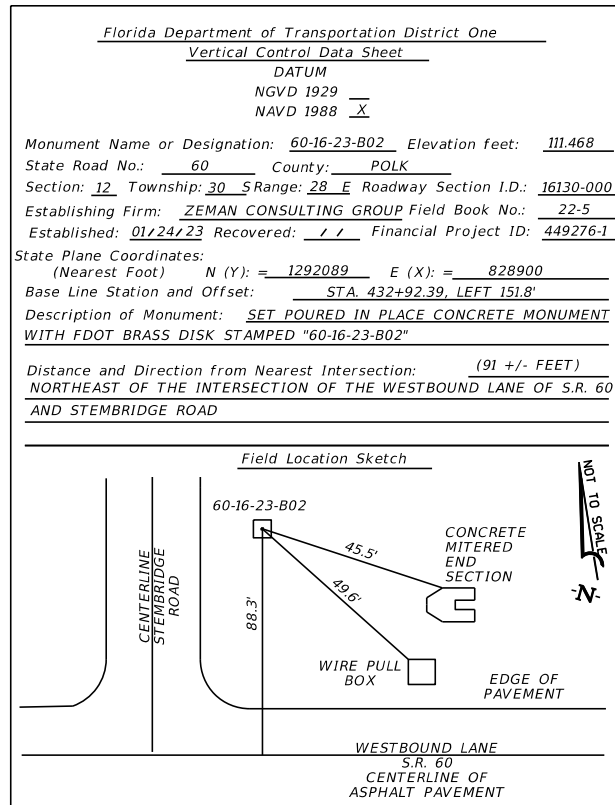
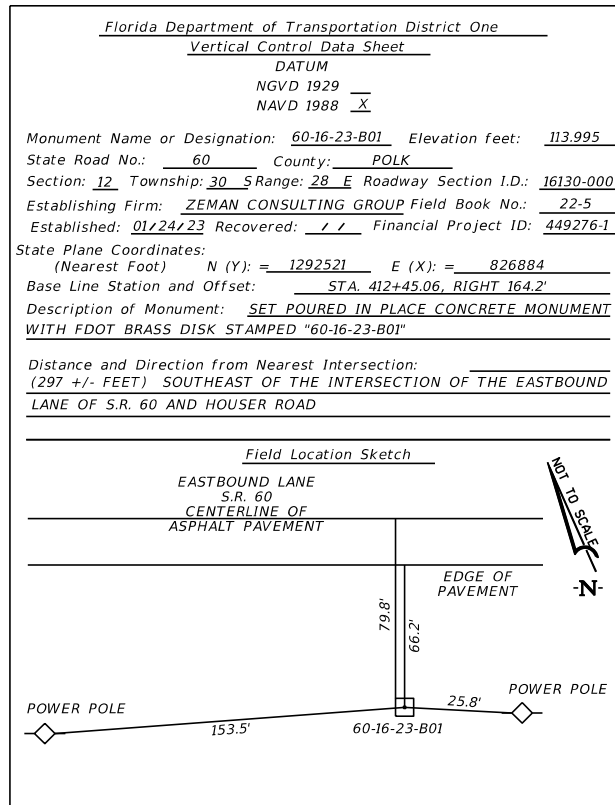
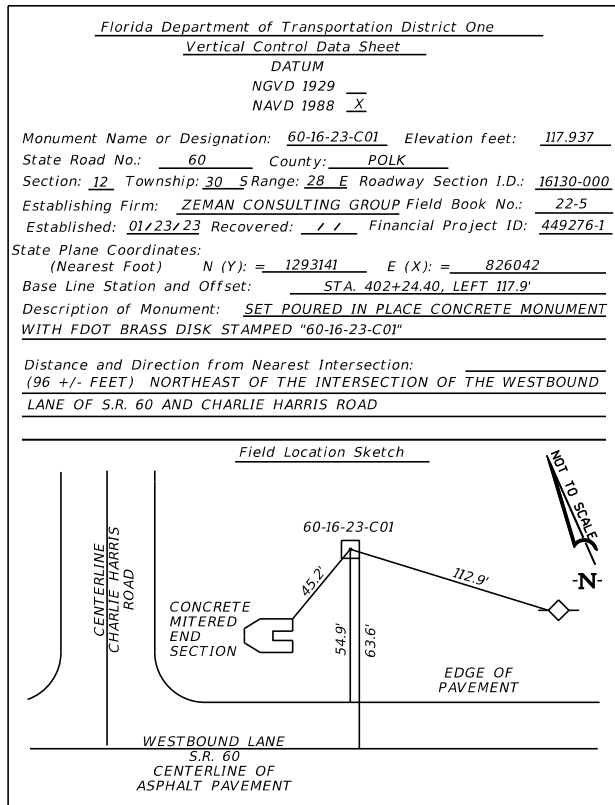
ENGINEER OF RECORD
RICARDO A. CASTRO, P.E.
 LICENSE NUMBER: 68294
 ROADWAY DESIGN SOLUTIONS, INC.
 8600 NW 17TH STREET, SUITE 145
 DORAL, FL 33126

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

PROJECT CONTROL

SHEET NO.
11

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REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

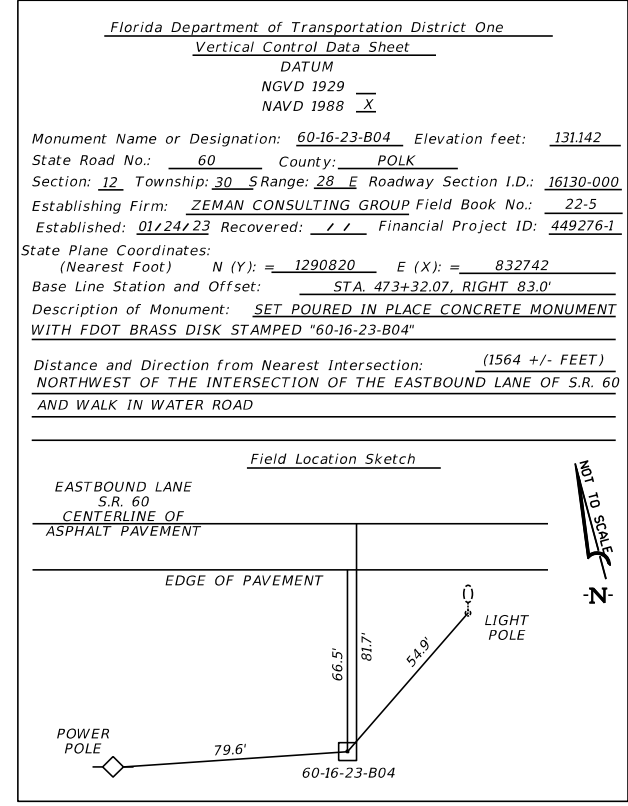
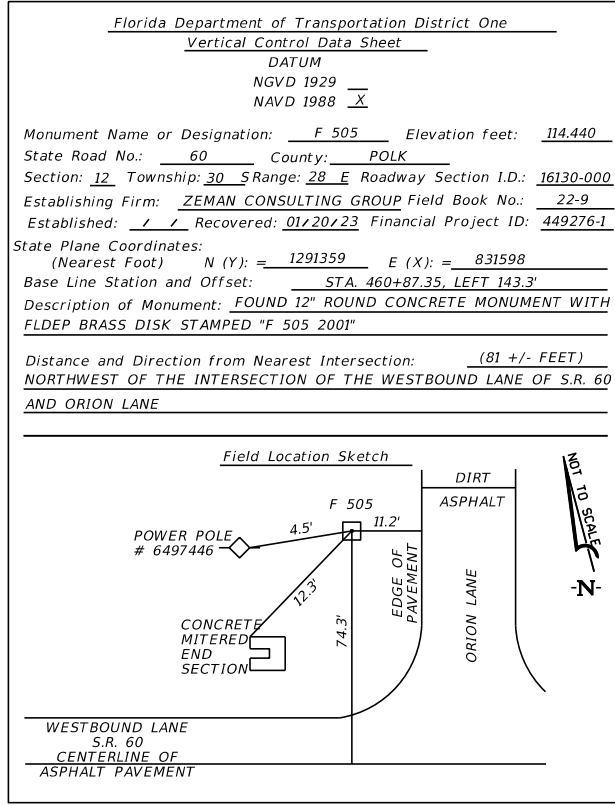
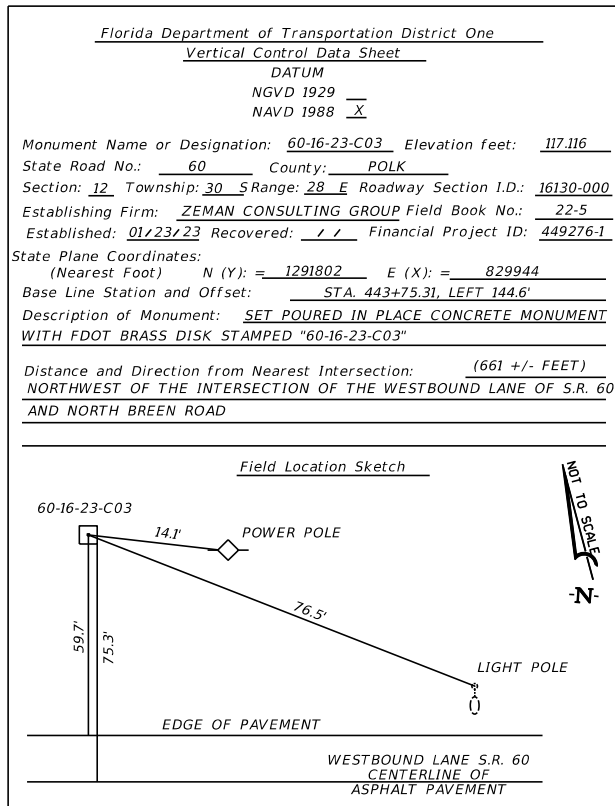
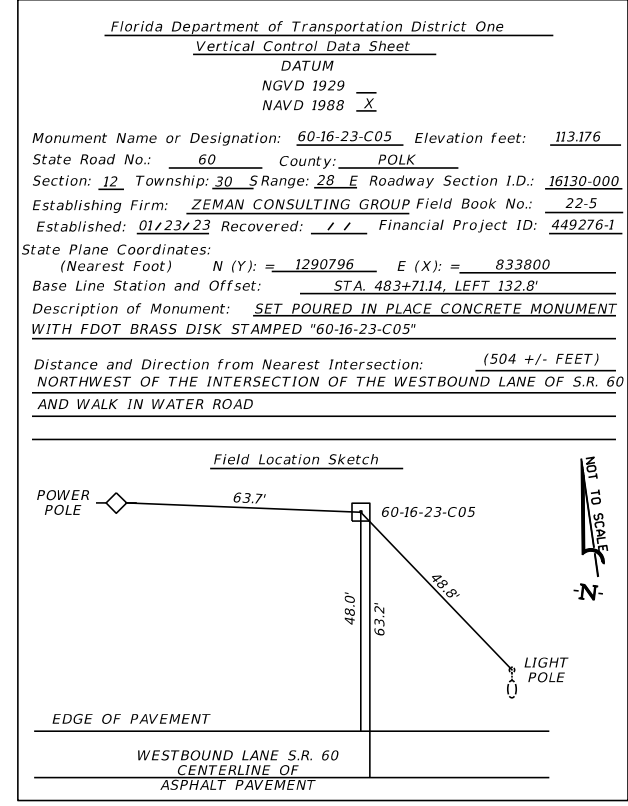
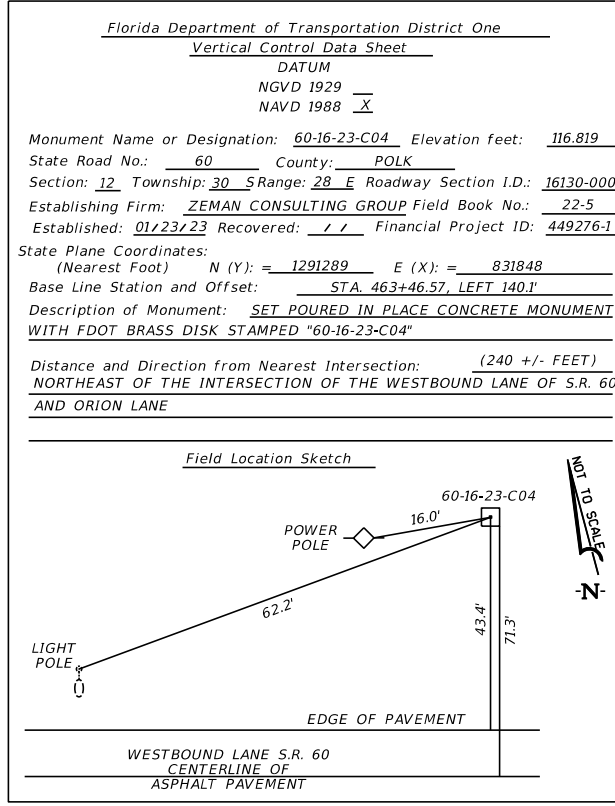
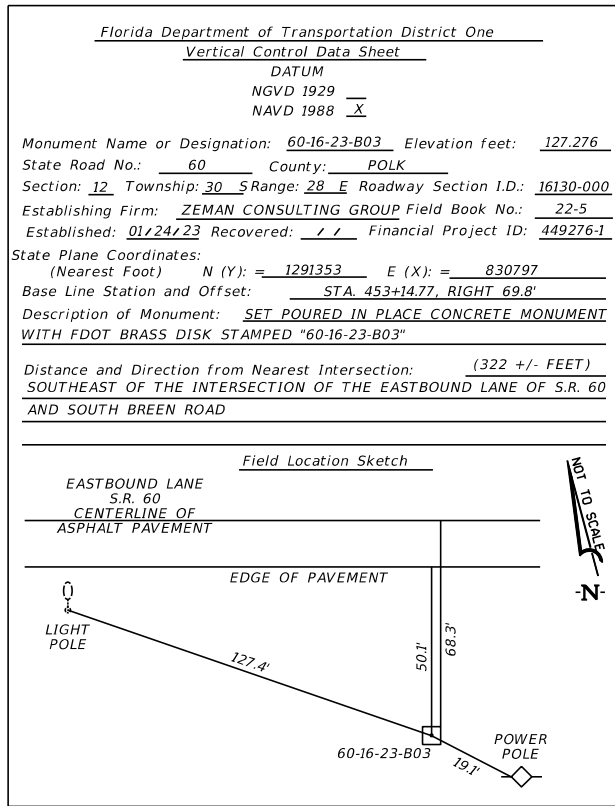
ENGINEER OF RECORD
 RICARDO A. CASTRO, P.E.
 LICENSE NUMBER: 68294
 ROADWAY DESIGN SOLUTIONS, INC.
 8600 NW 17TH STREET, SUITE 145
 DORAL, FL 33126

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

PROJECT CONTROL

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.



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REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD

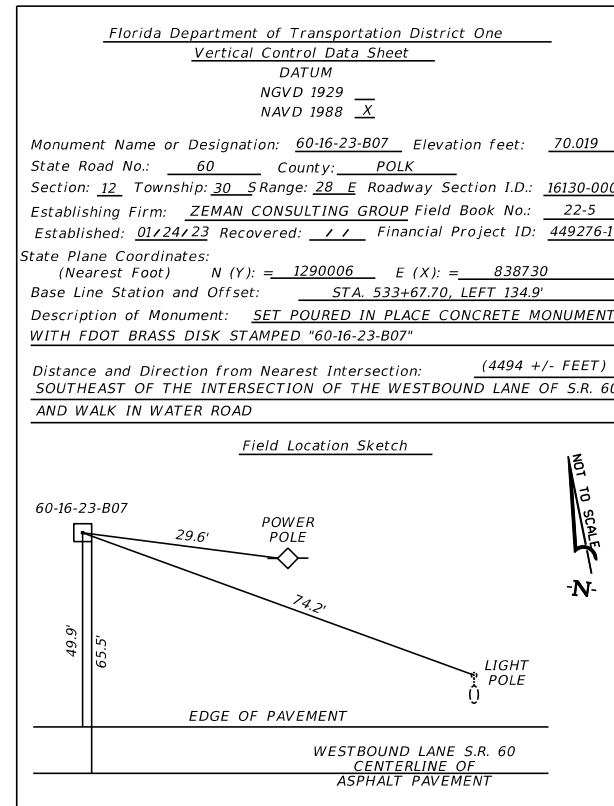
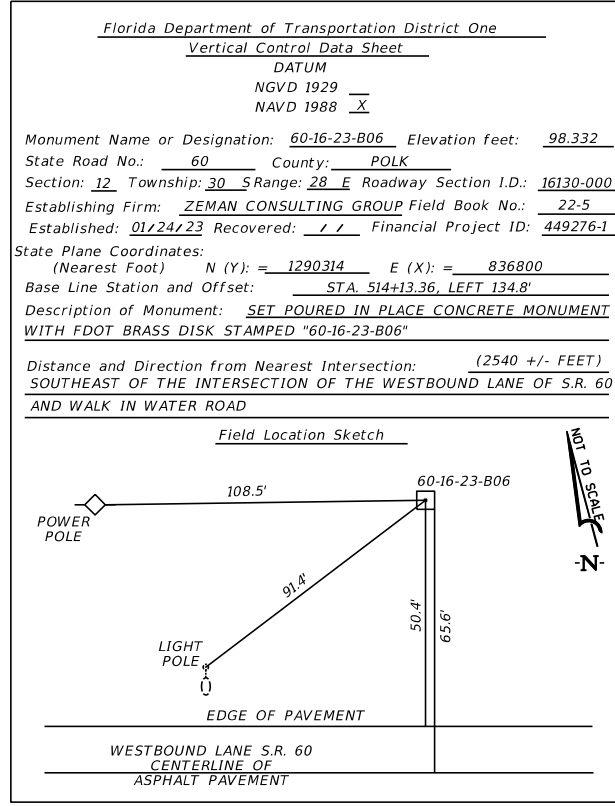
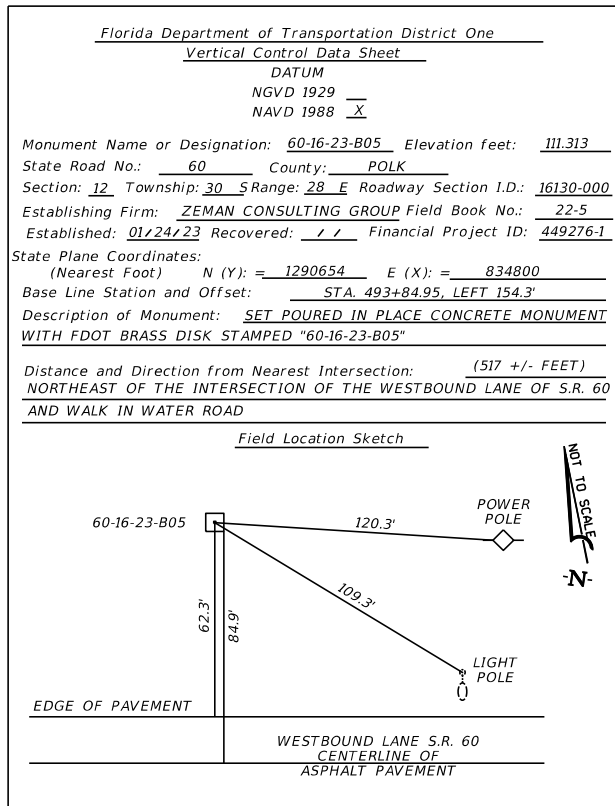
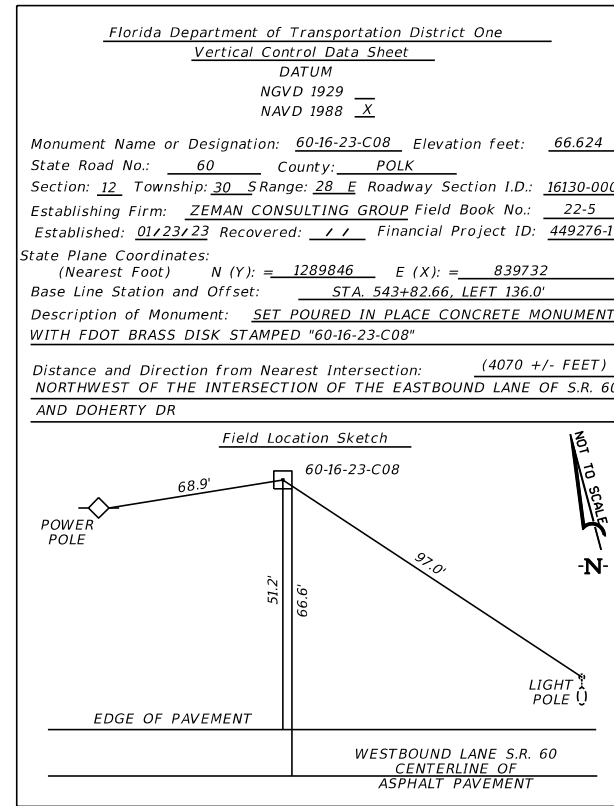
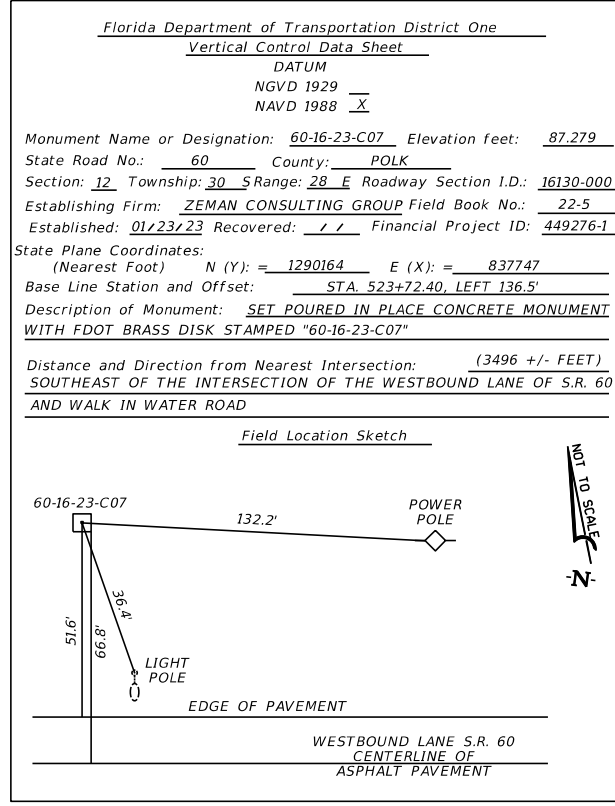
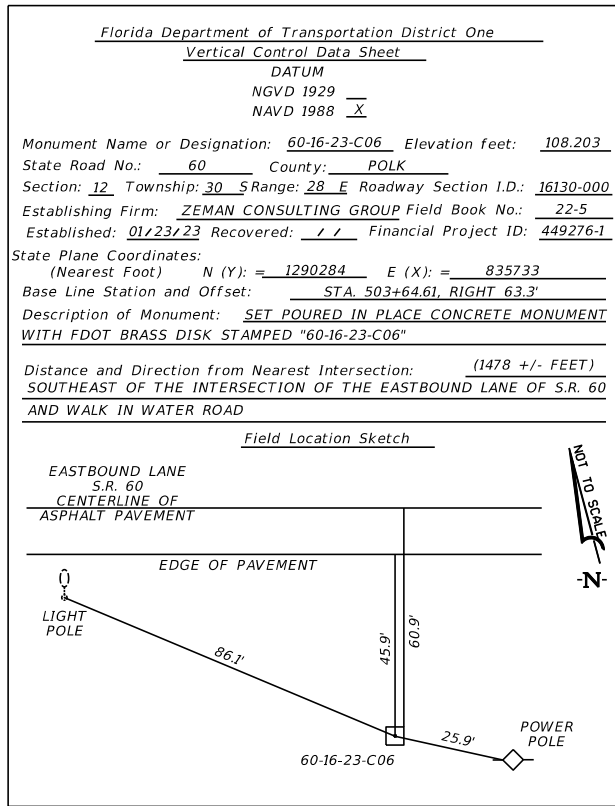
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

PROJECT CONTROL

SHEET NO.
13

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD

RICARDO A. CASTRO, P.E.
LICENSE NUMBER: 68294
ROADWAY DESIGN SOLUTIONS, INC.
8600 NW 17TH STREET, SUITE 145
DORAL, FL 33126

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

PROJECT CONTROL
SHEET NO. 14

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

Florida Department of Transportation District One
Vertical Control Data Sheet

DATUM
NGVD 1929
NAVD 1988 X

Monument Name or Designation: 60-16-23-C09 Elevation feet: 63.431
 State Road No.: 60 County: POLK
 Section: 12 Township: 30 Range: 28 E Roadway Section I.D.: 16130-000
 Establishing Firm: ZEMAN CONSULTING GROUP Field Book No.: 22-5
 Established: 01/23/23 Recovered: / / Financial Project ID: 449276-1

State Plane Coordinates:
 (Nearest Foot) N (Y) = 1289512 E (X) = 841806
 Base Line Station and Offset: STA. 564+83.51, LEFT 133.1'

Description of Monument: SET POURED IN PLACE CONCRETE MONUMENT WITH FDOT BRASS DISK STAMPED "60-16-23-C09"

Distance and Direction from Nearest Intersection: (1972 +/- FEET)
NORTHWEST OF THE INTERSECTION OF THE EASTBOUND LANE OF S.R. 60 AND DOHERTY DRIVE

Field Location Sketch

Florida Department of Transportation District One
Vertical Control Data Sheet

DATUM
NGVD 1929
NAVD 1988 X

Monument Name or Designation: 60-16-23-B09 Elevation feet: 63.213
 State Road No.: 60 County: POLK
 Section: 12 Township: 30 Range: 28 E Roadway Section I.D.: 16130-000
 Establishing Firm: ZEMAN CONSULTING GROUP Field Book No.: 22-5
 Established: 01/24/23 Recovered: / / Financial Project ID: 449276-1

State Plane Coordinates:
 (Nearest Foot) N (Y) = 1289376 E (X) = 842707
 Base Line Station and Offset: STA. 573+93.86, LEFT 140.7'

Description of Monument: SET POURED IN PLACE CONCRETE MONUMENT WITH FDOT BRASS DISK STAMPED "60-16-23-B09"

Distance and Direction from Nearest Intersection: (1068 +/- FEET)
NORTHWEST OF THE INTERSECTION OF THE EASTBOUND LANE OF S.R. 60 AND DOHERTY DRIVE

Field Location Sketch

Florida Department of Transportation District One
Vertical Control Data Sheet

DATUM
NGVD 1929
NAVD 1988 X

Monument Name or Designation: 60-16-23-B10 Elevation feet: 66.689
 State Road No.: 60 County: POLK
 Section: 12 Township: 30 Range: 28 E Roadway Section I.D.: 16130-000
 Establishing Firm: ZEMAN CONSULTING GROUP Field Book No.: 22-5
 Established: 01/24/23 Recovered: / / Financial Project ID: 449276-1

State Plane Coordinates:
 (Nearest Foot) N (Y) = 1288818 E (X) = 844789
 Base Line Station and Offset: STA. 595+38.69, RIGHT 81.0'

Description of Monument: SET POURED IN PLACE CONCRETE MONUMENT WITH FDOT BRASS DISK STAMPED "60-16-23-B10"

Distance and Direction from Nearest Intersection: (1090 +/- FEET)
SOUTHEAST OF THE INTERSECTION OF THE EASTBOUND LANE OF S.R. 60 AND DOHERTY DRIVE

Field Location Sketch

Florida Department of Transportation District One
Vertical Control Data Sheet

DATUM
NGVD 1929
NAVD 1988 X

Monument Name or Designation: 60-16-23-B08 Elevation feet: 65.295
 State Road No.: 60 County: POLK
 Section: 12 Township: 30 Range: 28 E Roadway Section I.D.: 16130-000
 Establishing Firm: ZEMAN CONSULTING GROUP Field Book No.: 22-5
 Established: 01/24/23 Recovered: / / Financial Project ID: 449276-1

State Plane Coordinates:
 (Nearest Foot) N (Y) = 1289647 E (X) = 840997
 Base Line Station and Offset: STA. 556+63.08, LEFT 138.5'

Description of Monument: SET POURED IN PLACE CONCRETE MONUMENT WITH FDOT BRASS DISK STAMPED "60-16-23-B08"

Distance and Direction from Nearest Intersection: (2792 +/- FEET)
NORTHWEST OF THE INTERSECTION OF THE EASTBOUND LANE OF S.R. 60 AND DOHERTY DRIVE

Field Location Sketch

Florida Department of Transportation District One
Vertical Control Data Sheet

DATUM
NGVD 1929
NAVD 1988 X

Monument Name or Designation: D 505 Elevation feet: 63.23
 State Road No.: 60 County: POLK
 Section: 12 Township: 30 Range: 28 E Roadway Section I.D.: 16130-000
 Establishing Firm: ZEMAN CONSULTING GROUP Field Book No.: 22-9
 Established: / / Recovered: 01/20/23 Financial Project ID: 449276-1

State Plane Coordinates:
 (Nearest Foot) N (Y) = 1289511 E (X) = 841810
 Base Line Station and Offset: STA. 564+86.88, LEFT 133.3'

Description of Monument: FOUND 12" ROUND CONCRETE MONUMENT WITH FDEP BRASS DISK STAMPED "D 505 2001"

Distance and Direction from Nearest Intersection: (1968 +/- FEET)
NORTHWEST OF THE INTERSECTION OF THE EASTBOUND LANE OF S.R. 60 AND DOHERTY DRIVE

Field Location Sketch

Florida Department of Transportation District One
Vertical Control Data Sheet

DATUM
NGVD 1929
NAVD 1988 X

Monument Name or Designation: 60-16-23-C10 Elevation feet: 65.49
 State Road No.: 60 County: POLK
 Section: 12 Township: 30 Range: 28 E Roadway Section I.D.: 16130-000
 Establishing Firm: ZEMAN CONSULTING GROUP Field Book No.: 22-5
 Established: 01/23/23 Recovered: / / Financial Project ID: 449276-1

State Plane Coordinates:
 (Nearest Foot) N (Y) = 1289001 E (X) = 843788
 Base Line Station and Offset: STA. 585+21.22, RIGHT 58.8'

Description of Monument: SET POURED IN PLACE CONCRETE MONUMENT WITH FDOT BRASS DISK STAMPED "60-16-23-C10"

Distance and Direction from Nearest Intersection: (89 +/- FEET)
SOUTHEAST OF THE INTERSECTION OF THE EASTBOUND LANE OF S.R. 60 AND DOHERTY DRIVE

Field Location Sketch

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REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD

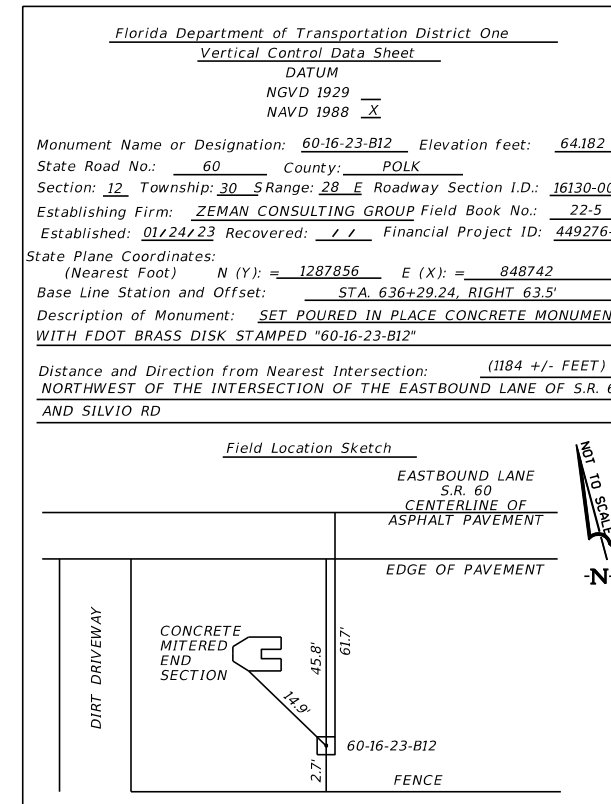
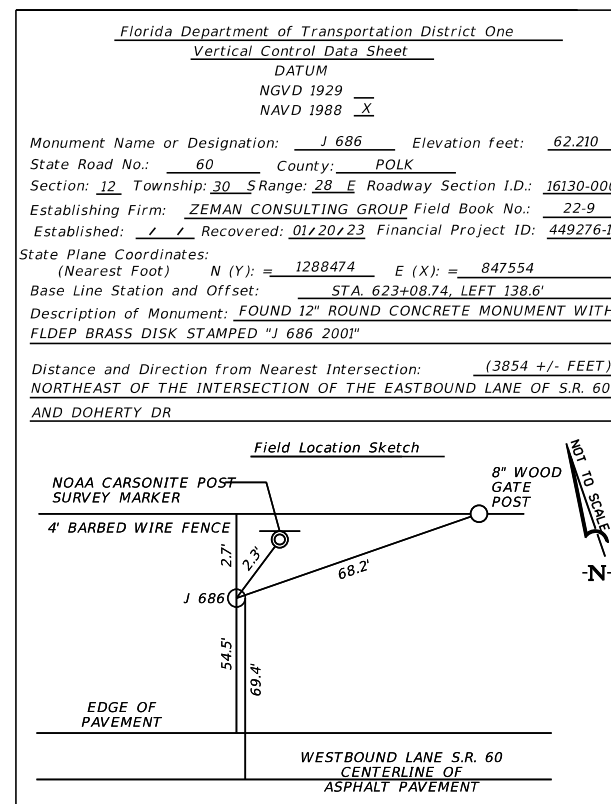
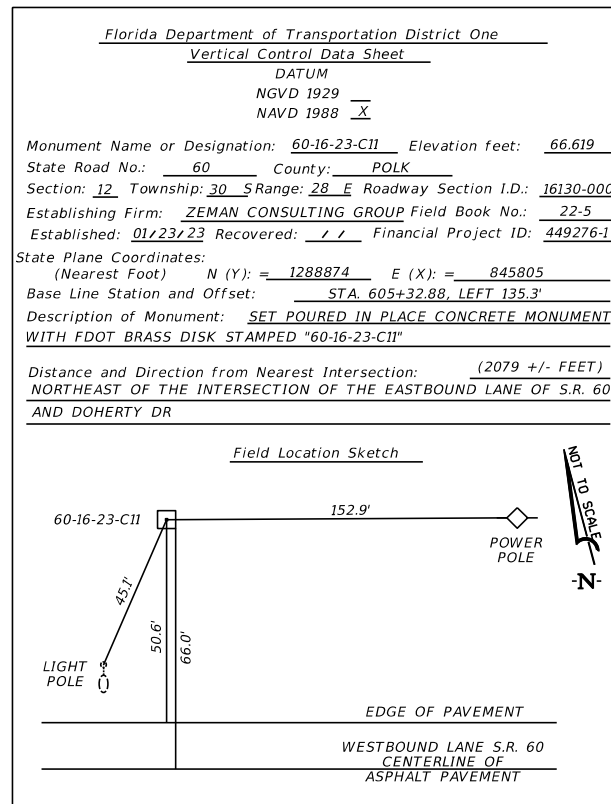
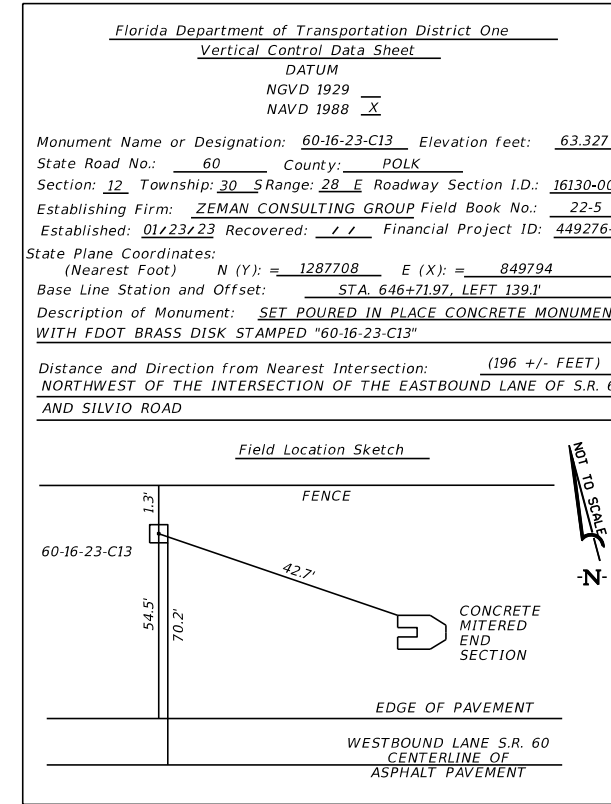
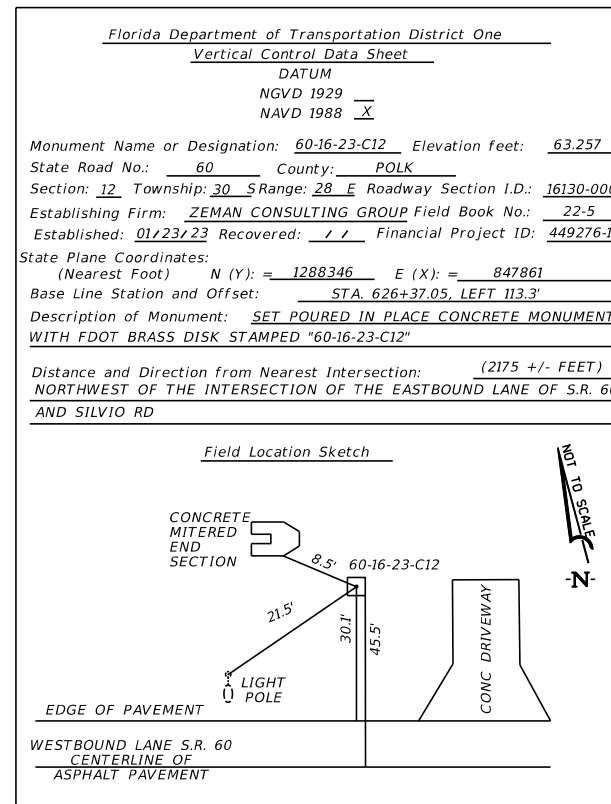
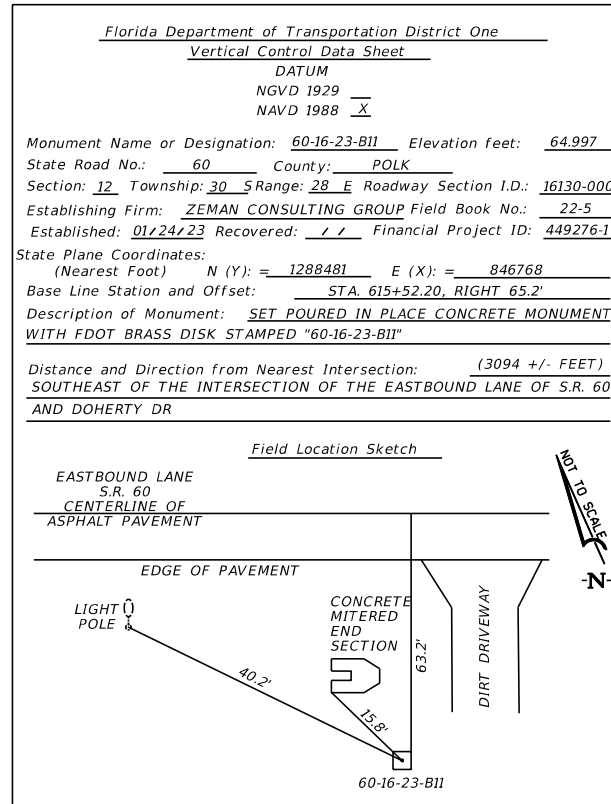
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 DORAL, FL 33126

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

PROJECT CONTROL

SHEET NO.
15

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REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD

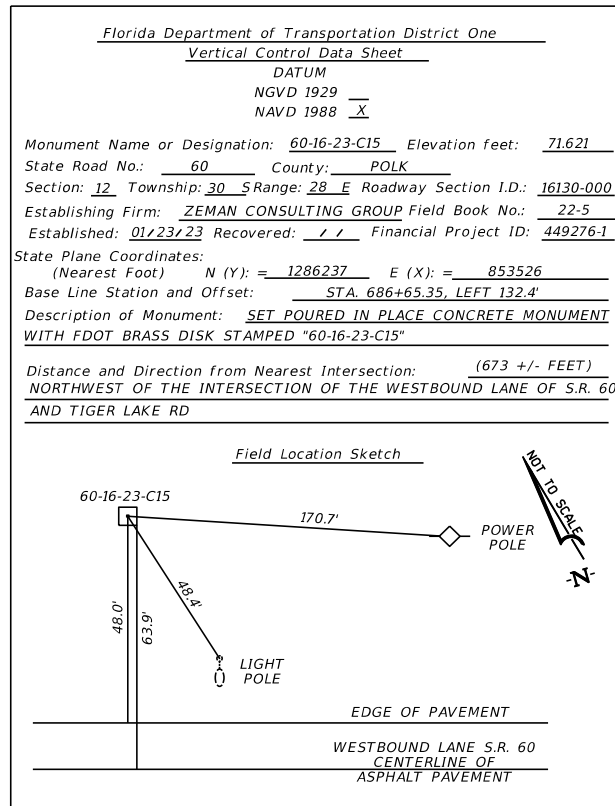
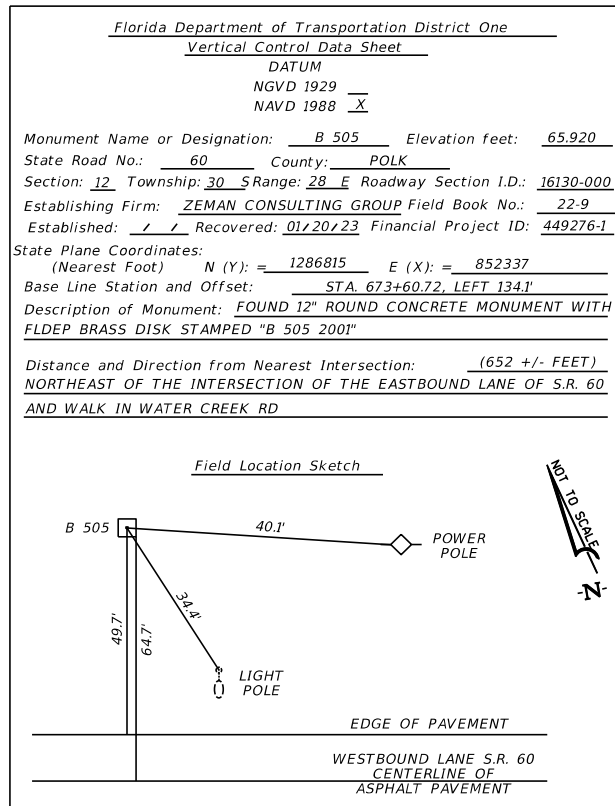
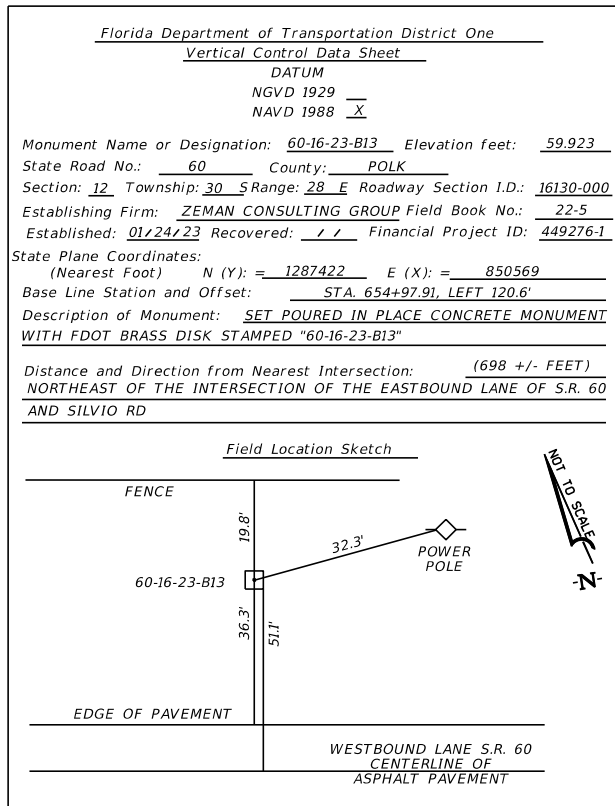
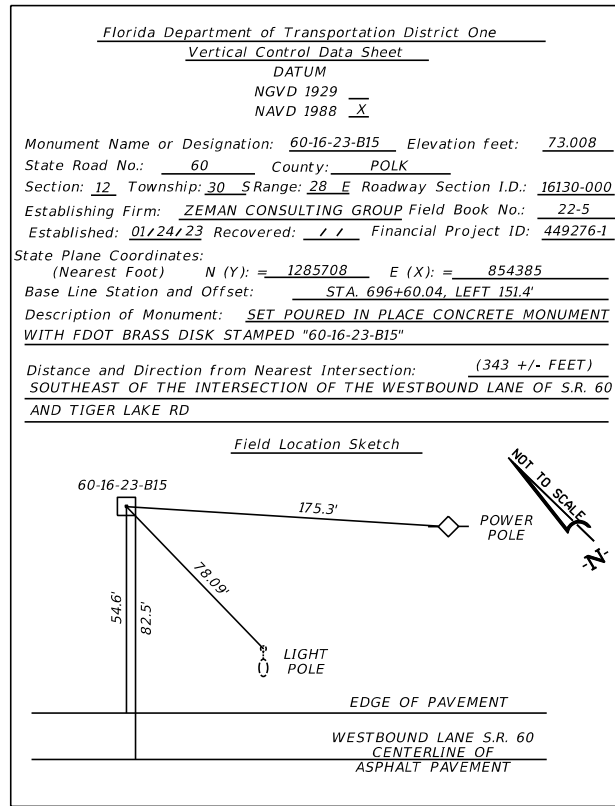
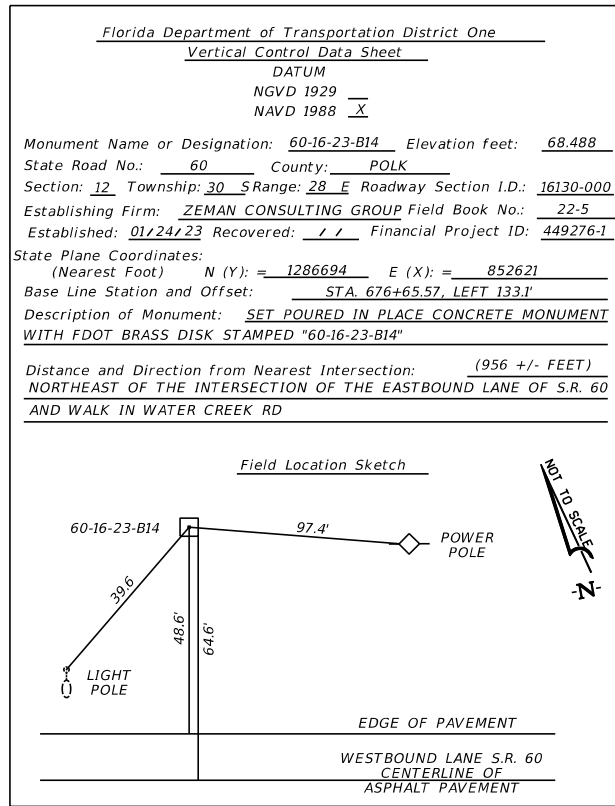
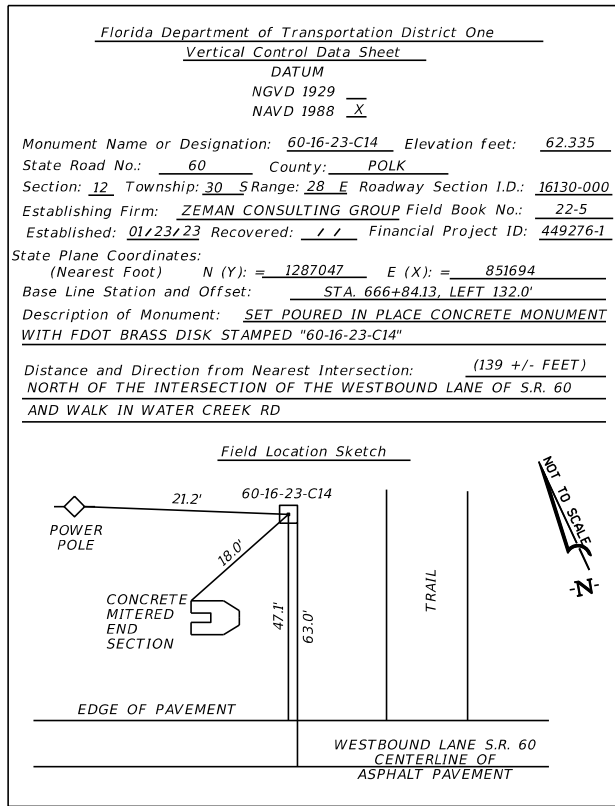
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 8600 NW 17TH STREET, SUITE 145
 DORAL, FL 33126

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

PROJECT CONTROL

SHEET NO.
16

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD

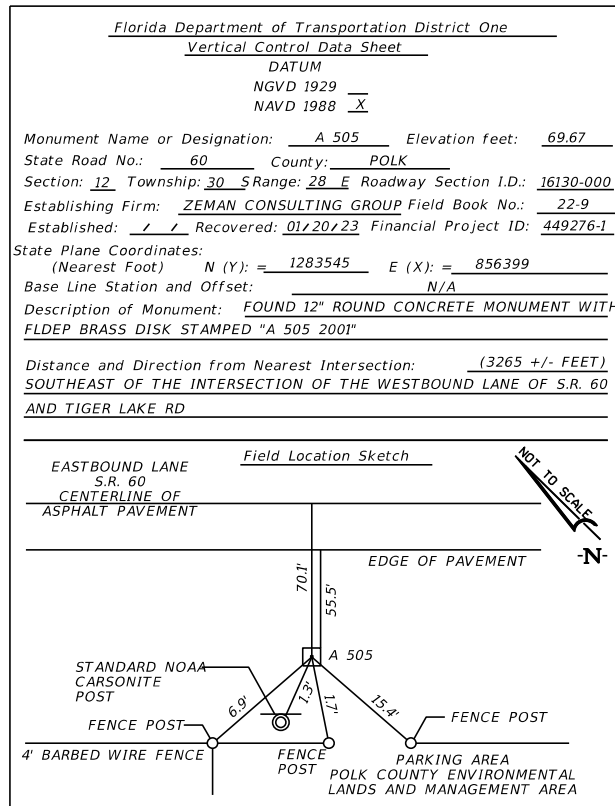
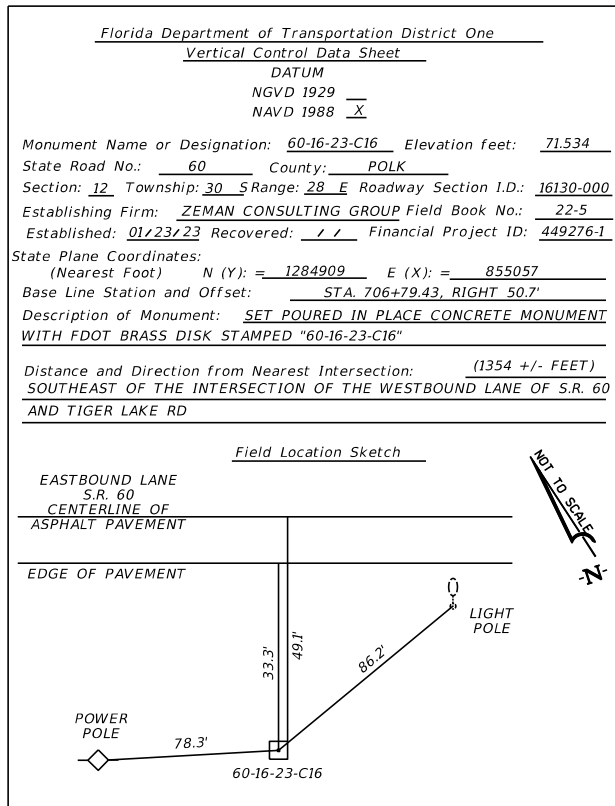
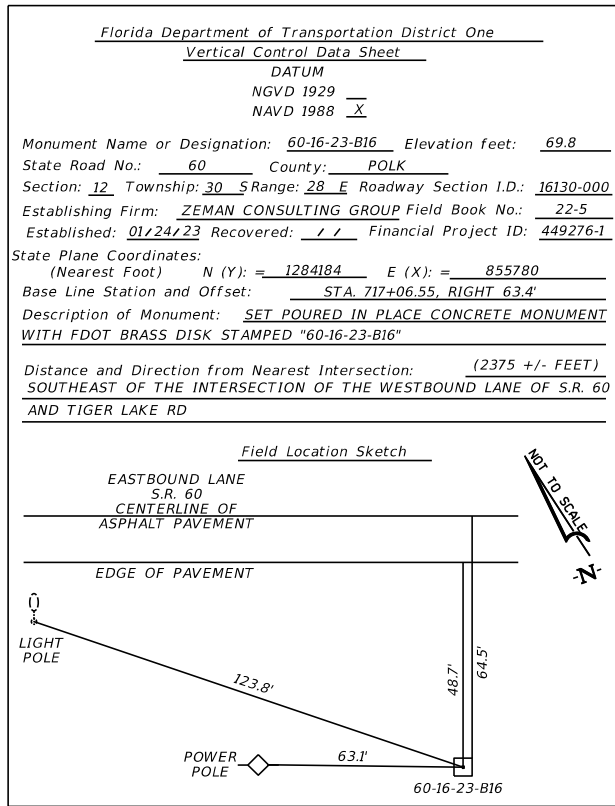
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

PROJECT CONTROL

SHEET NO.
17

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REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

PROJECT CONTROL

SHEET NO.
18




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

- BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:

LEE POWERS, P.S.M.
P.S.M. NO: LS6805
ZEMAN CONSULTING GROUP
3970 RCA, SUITE #7750
PALM BEACH GARDENS, FL 33410
CERTIFICATE OF AUTHORIZATION: LB8431
- 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.
- UTILITY/AGENCY OWNERS FOR THIS PROJECT INCLUDE:

COMPANY	CONTACT	TELEPHONE NUMBERS
DUKE ENERGY DISTRIBUTION	MARK MANNER	(863) 678-447
DUKE ENERGY TRANSMISSION	SCOTT VANVELZOR	(813) 909-1241
FLORIDA SOUTHEAST CONNECTION LLC	SUKANTA BHATTACHARJEE	(713) 951-5327
FRONTIER COMMUNICATIONS	FRED VALDES	(863) 688-9714
PEACE RIVER ELECTRIC COOPERATIVE, INC.	JAMIE HARRISON	(863) 767-4668
SPECTRUM SUNSHINE STATE LLC	DARIN DANIELS	(863) 333-4764
UNITI	TERRY YOUNG	(251) 422-3872
- MILLING DEPTH IS BASED ON THE EXPECTED THICKNESS OF THE EXISTING STRUCTURAL COURSE. IN THE EVENT THAT THE EXISTING BASE IS EXPOSED DURING MILLING OPERATIONS, THE MILLING DEPTH MAY BE REQUIRED TO BE ADJUSTED AS DETERMINED BY THE ENGINEER. BASE EXPOSED DURING MILLING OPERATIONS IS TO BE TREATED AS PREVIOUSLY PREPARED BASE AS PER STANDARD SPECIFICATION SECTION 300, WITH ANY NECESSARY PRIME COAT OR TACK COAT INCLUDED IN THE COST OF THE STRUCTURAL COURSE.
- AFTER DRILLING OR CORING THE TERMINAL CONNECTOR BOLT HOLES, APPLY A ZINC-RICH GALVANIZING COMPOUND TO ANY REINFORCING STEEL THAT BECOMES EXPOSED IN ACCORDANCE WITH SPECIFICATION 562.
- NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT WILL BE ALLOWED BETWEEN THE FOLLOWING STATIONS, EXCEPT AS EXPLICITLY SHOWN IN THE PLANS AND APPROVED BY THE REGULATORY AGENCIES:
- STA. 1099+40 TO STA. 1152+50 (PRIVATE MITIGATION BANK)
- STA. 1162+00 TO STA. 1167+00 (LAKE WALES RIDGE STATE FOREST)
- STA. 1255+50 TO STA. 1264+50 (NORTH/WALK-IN-WATER CREEK AND PUBLIC CONSERVATION)

LIGHTING LEGEND

-  NEW 40' FDOT STANDARD LIGHT POLE WITH 12' ARM AND STANDARD FOUNDATION. LUMINAIRE TO BE RELOCATED FROM EXISTING TO PROPOSE LIGHT POLE
-  2" HIGH DENSITY POLYETHYLENE (HDPE) CONDUIT (OPEN TRENCH) WITH THREE RHW-2/XLP CONDUCTORS INSIDE THE CONDUIT: ONE WITH BLACK INSULATION, ONE WITH RED INSULATION, AND ONE GROUND WITH GREEN INSULATION (NUMBERS AND SIZE OF CONDUCTORS AS SHOWN ON PLAN SHEET)
-  PROP. PULL BOX

NOTES TO REVIEWERS:
THE PROJECT HAS UNDERGONE SIGNIFICANT SCOPE CHANGES. LENGTHENING OF DECELERATION LANES AND THE ASSOCIATED OUTSIDE WIDENING HAS BEEN REMOVED. PAVEMENT DESIGN HAS BEEN REDUCED BY 1 INCH IN EFFORTS TO REDUCE OVERALL COSTS. THE REMAINING SCOPE INCLUDES MILLING AND RESURFACING OF THE CORRIDOR, EROSION CONTROL AT THE NE QUADRANT OF WEOHYAKAPKA CREEK BRIDGE, AND ELIMINATION OF ACCELERATION LANES ALONG SIDE STREETS, WHICH IS REFLECTED IN THE -01 RESURFACING, RESTORATION, AND REHABILITATION (RRR) FUNDING. THE RESTRICTED CROSSING U-TURN (RCUT) AT WALK IN WATER ROAD/BOY SCOUT ROAD HAS BEEN RETAINED UNDER THE -02 SAFETY FUNDING.

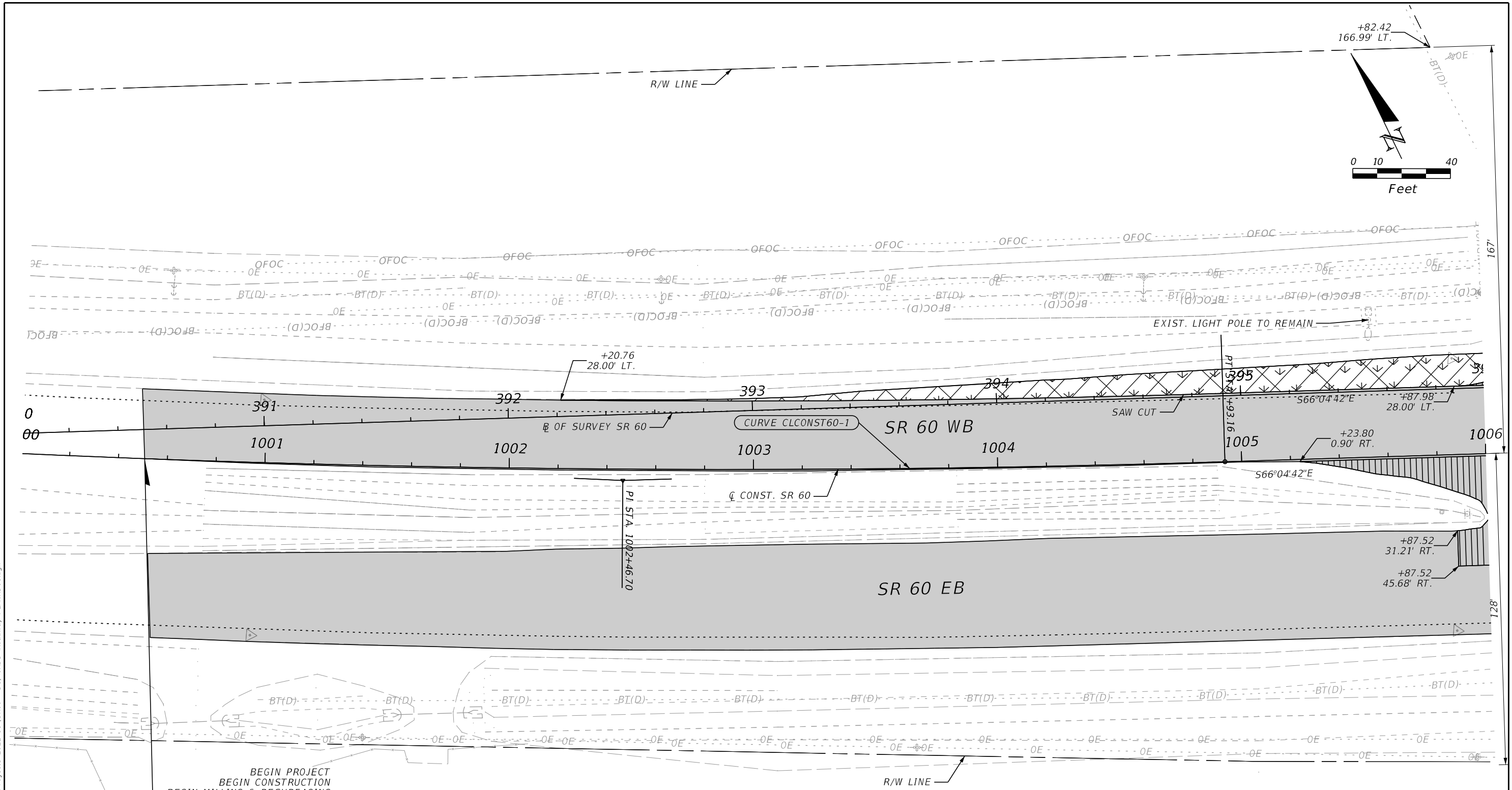
POLE NO.	STATION	OFFSET & SETBACK	POLE OWNER	MAINTAINING AGENCY	POLE TYPE	ARM LENGTH	QUANTITIES OF LUMINAIRES	LUMINAIRE TYPE	LUMINAIRE MODEL	LUMEN OUTPUT	IES DISTRIBUTION	CCTV	MOUNTING HEIGHT	INPUT WATTAGE	INPUT VOLTAGE	LOAD CENTER NUMBER	CIRCUIT NUMBER	FOUNDATION TYPE	PAY ITEM
EX-156	1080+63.91, CL CONST. SR 60	94.89' RT	FDOT	POLK COUNTY	CONVENTIONAL	12'	N/A	ATB2	P601	23760	R4	3K	45	480	120	B	2	EXIST.	N/A
EX-161	1083+60.15, CL CONST. SR 60	91.23' RT	FDOT	POLK COUNTY	CONVENTIONAL	12'	N/A	ATB2	P601	23760	R4	3K	45	480	120	B	2	EXIST.	N/A
EX-163	1086+23.52, CL CONST. SR 60	90.48' RT	FDOT	POLK COUNTY	CONVENTIONAL	12'	N/A	ATB2	P601	23760	R4	3K	45	480	120	B	2	EXIST.	N/A
EX-178	1107+38.54, CL CONST. SR 60	45.65' LT	FDOT	POLK COUNTY	CONVENTIONAL	12'	N/A	ATB2	P601	23760	R4	3K	45	480	120	B	3	EXIST.	N/A
EX-180	1110+06.55, CL CONST. SR 60	46.28' LT	FDOT	POLK COUNTY	CONVENTIONAL	12'	N/A	ATB2	P601	23760	R4	3K	45	480	120	B	3	EXIST.	N/A
EX-182	1112+76.39, CL CONST. SR 60	76.39' LT	FDOT	POLK COUNTY	CONVENTIONAL	12'	N/A	ATB2	P601	23760	R4	3K	45	480	120	B	3	EXIST.	N/A
EX-300	1268+85.81, CL CONST. SR 60	85.76' RT	FDOT	POLK COUNTY	CONVENTIONAL	12'	N/A	ATB2	P601	23760	R4	3K	45	480	120	E	2	EXIST.	N/A
EX-301	1268+89.67, CL CONST. SR 60	40.76' LT	FDOT	POLK COUNTY	CONVENTIONAL	12'	N/A	ATB2	P601	23760	R4	3K	45	480	120	E	1	EXIST.	N/A
EX-302	1270+78.91, CL CONST. SR 60	90.50' RT	FDOT	POLK COUNTY	CONVENTIONAL	12'	N/A	ATB2	P601	23760	R4	3K	45	480	120	E	2	EXIST.	N/A
EX-303	1271+17.77, CL CONST. SR 60	45.50' LT	FDOT	POLK COUNTY	CONVENTIONAL	12'	N/A	ATB2	P601	23760	R4	3K	45	480	120	E	1	EXIST.	N/A
1	1082+94.82, CL CONST. SR 60	90.05' RT	FDOT	POLK COUNTY	CONVENTIONAL	12'	1	ATB2	P602	26280	R4	3K	45	480	120	B	2	STANDARD	715 61 442
2	1110+97.42, CL CONST. SR 60	44.72' LT	FDOT	POLK COUNTY	CONVENTIONAL	12'	1	ATB2	P602	26280	R4	3K	45	480	120	B	3	STANDARD	715 61 442
3	1269+06.80, CL CONST. SR 60	91.43' RT	FDOT	POLK COUNTY	CONVENTIONAL	12'	1	ATB2	P602	26280	R4	3K	45	480	120	E	1	STANDARD	715 61 442
4	1269+16.42, CL CONST. SR 60	42.00' LT	FDOT	POLK COUNTY	CONVENTIONAL	12'	1	ATB2	P601	23760	R4	3K	45	480	120	E	2	STANDARD	715 61 442

REVISIONS			ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126	SR 60	POLK	449276-1-52-01	19		

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BEGIN PROJECT
 BEGIN CONSTRUCTION
 BEGIN MILLING & RESURFACING
 STA. 1000+50.00
 MP. 6.398

CURVE DATA CLCONST60-1
 PI STA. = 1002+46.70
 Δ = 04°20'49" (LT)
 D = 00°52'53"
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 L = 493.16
 R = 6,500.00
 PC STA. = 1000+00.00
 PT STA. = 1004+93.16
 e = MATCH EXIST.

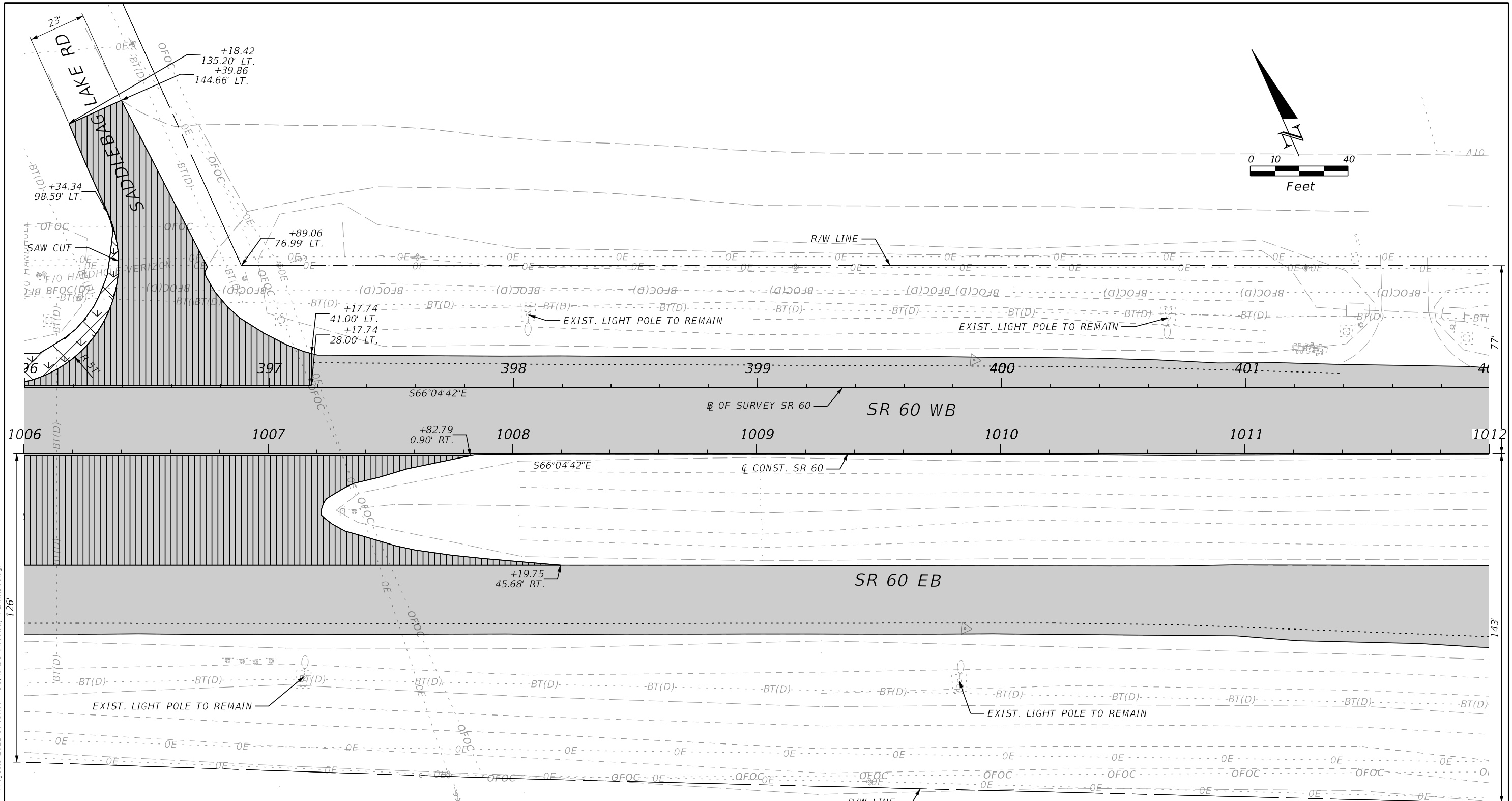
LEGEND	
	PAVEMENT MILLING & RESURFACING
	ASPHALT REMOVAL
	CROSSOVER & SIDESTREET MILLING & RESURFACING
	SOD

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	POLK	449276-1-52-01	20

ROADWAY PLANS

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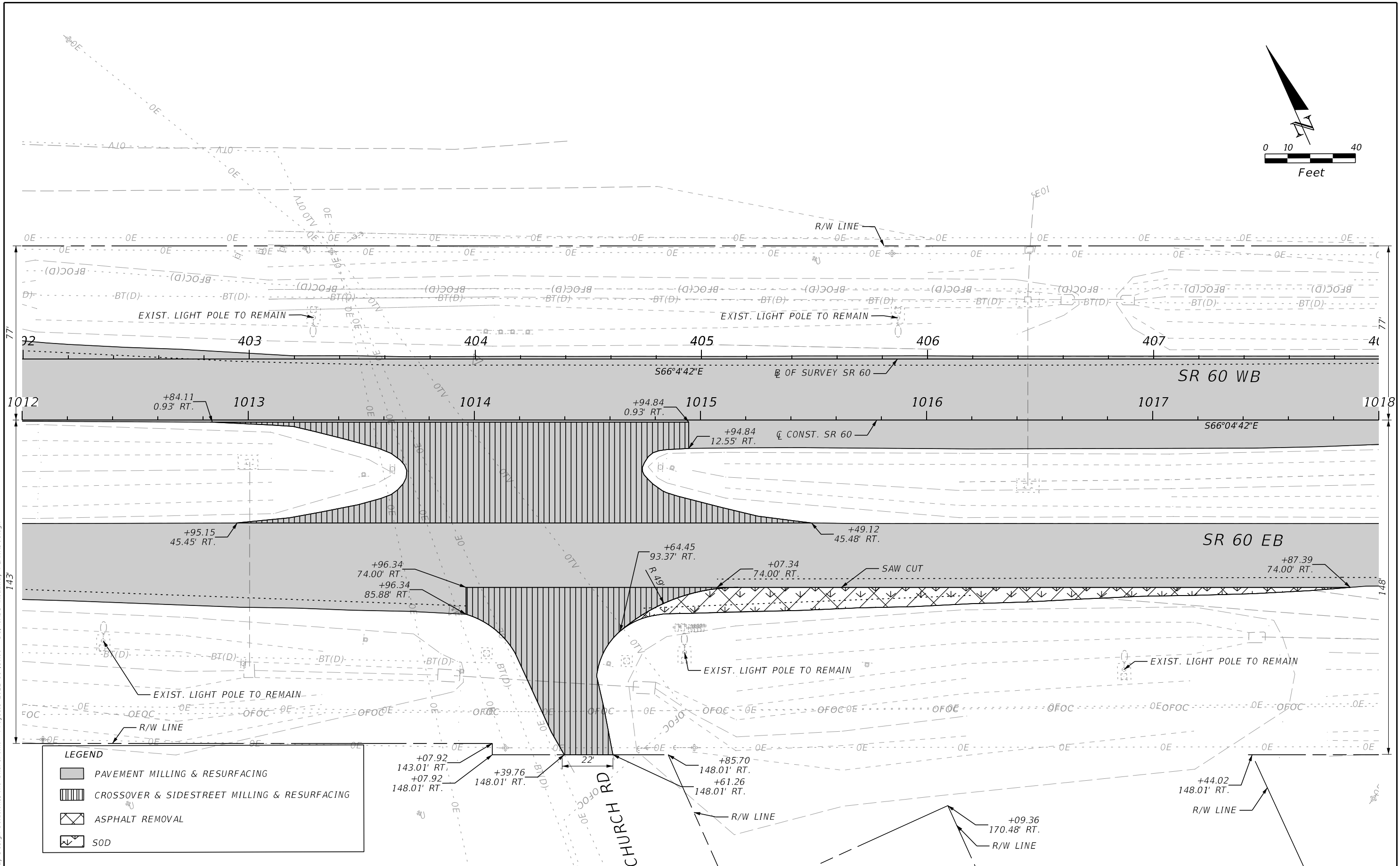
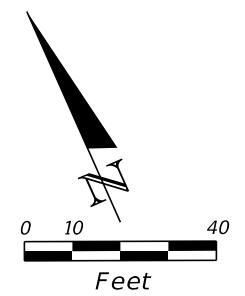
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LEGEND	
	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING
	ASPHALT REMOVAL
	SOD

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING
	ASPHALT REMOVAL
	SOD

ENGINEER OF RECORD
 RICARDO A. CASTRO, P.E.
 LICENSE NUMBER: 68294
 ROADWAY DESIGN SOLUTIONS, INC.
 8600 NW 17TH STREET, SUITE 145
 DORAL, FL 33126

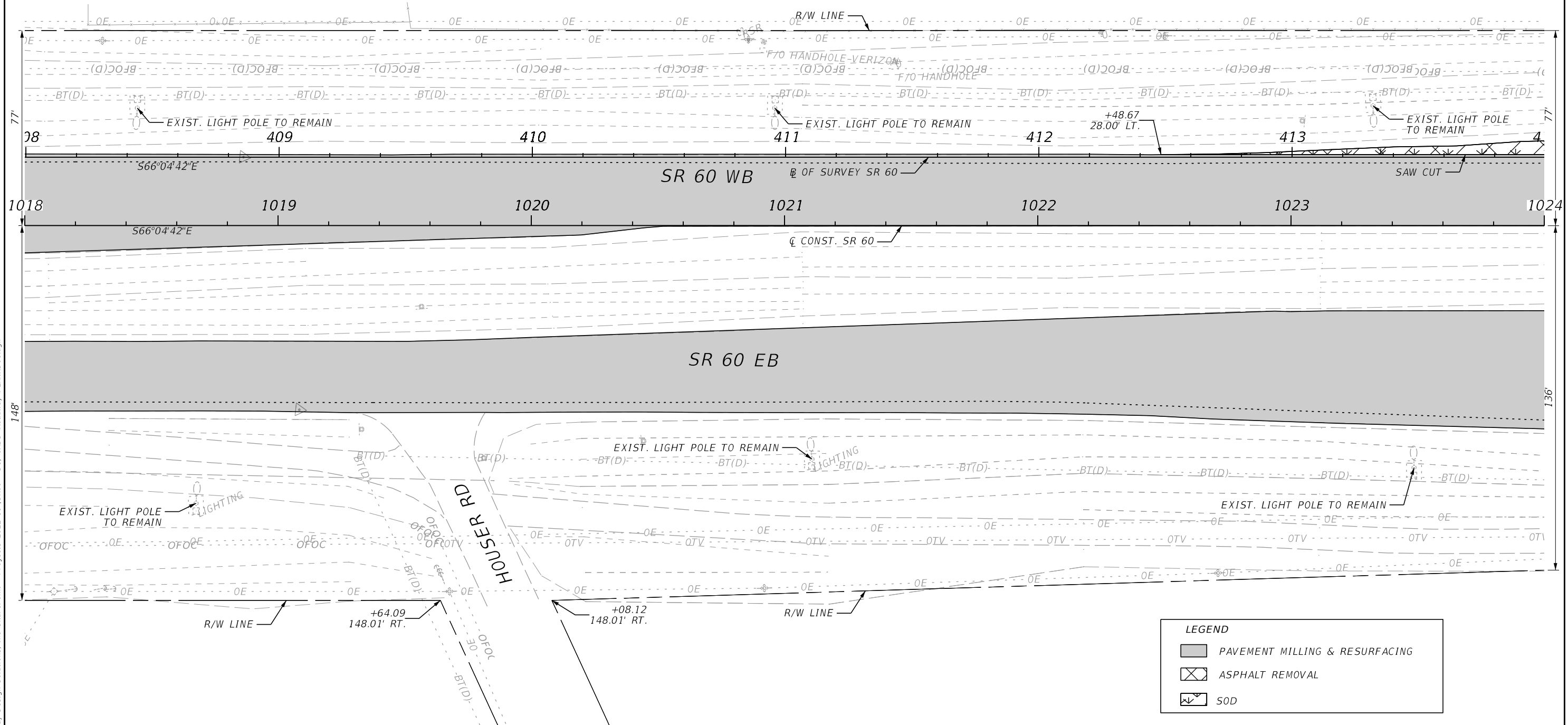
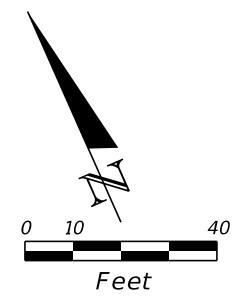
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

ROADWAY PLANS

SHEET NO.
22

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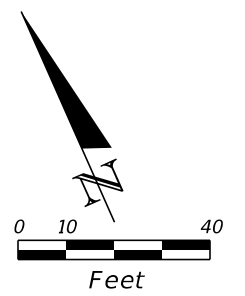
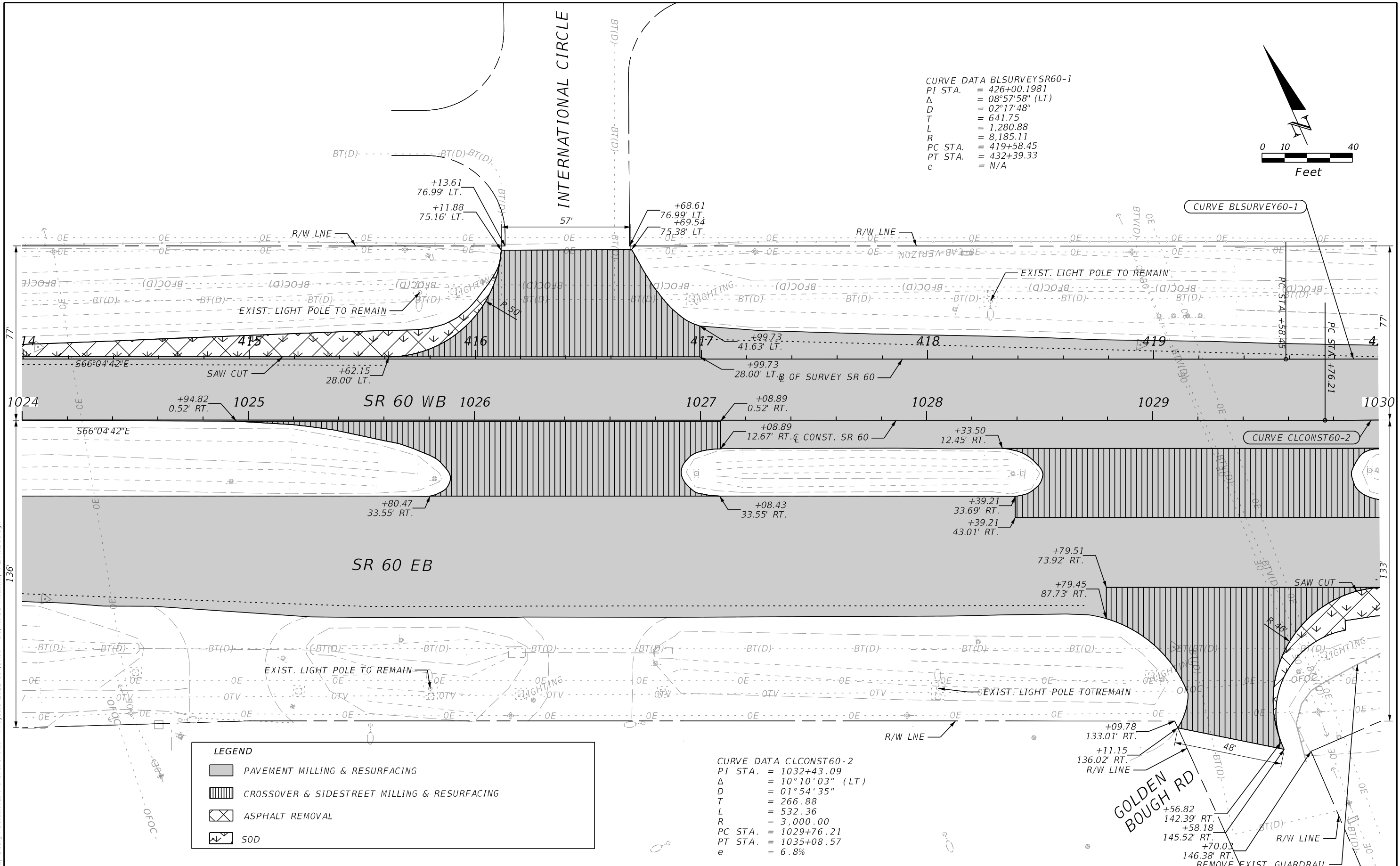
LEGEND	
	PAVEMENT MILLING & RESURFACING
	ASPHALT REMOVAL
	SOD

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	POLK	449276-1-52-01	
							23		

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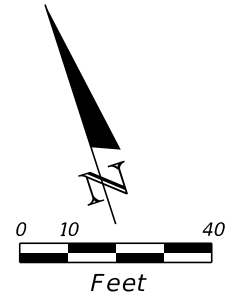
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

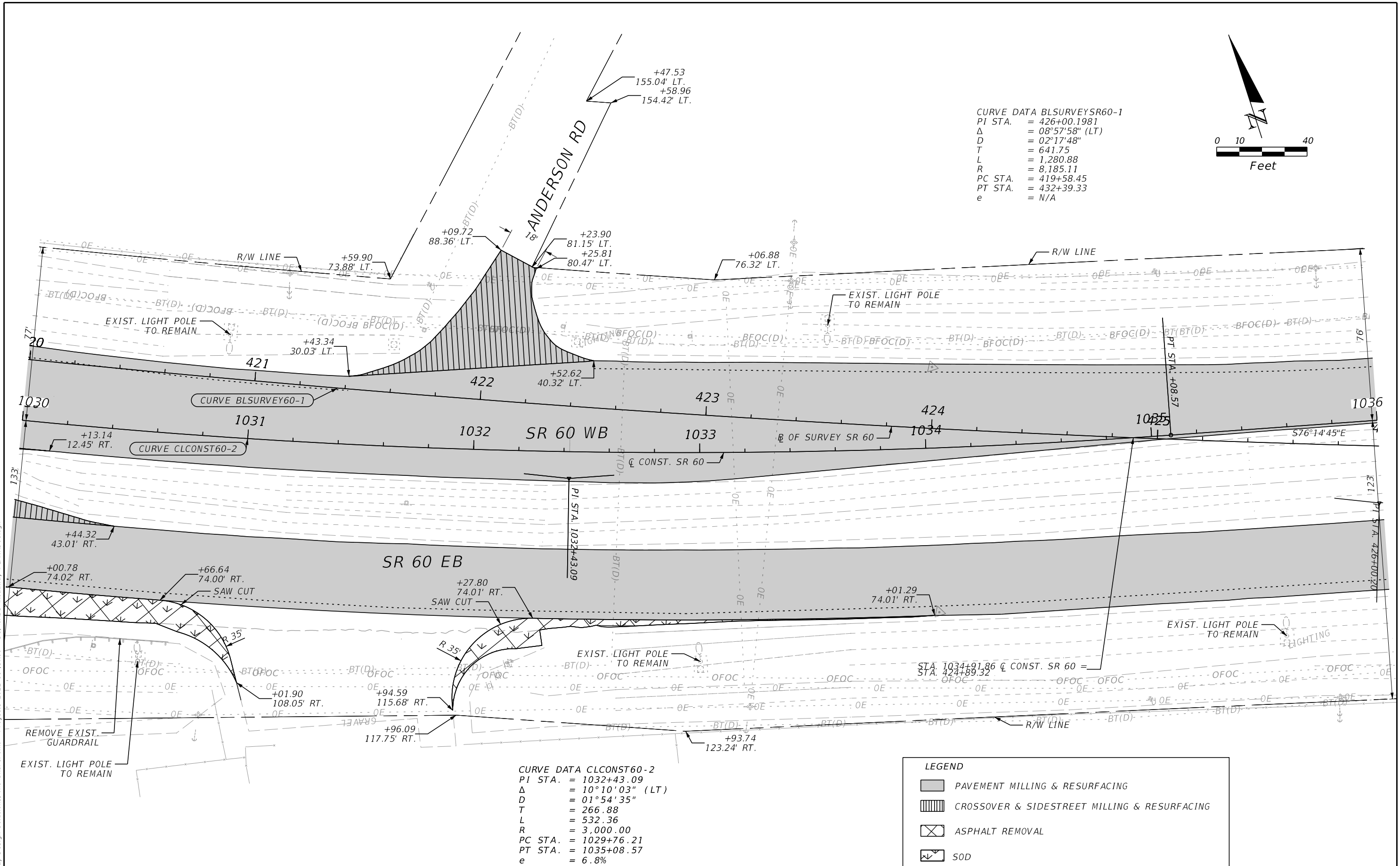
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CURVE DATA BLSURVEYSR60-1
 PI STA. = 426+00.1981
 Δ = 08°57'58" (LT)
 D = 02°17'48"
 T = 641.75
 L = 1,280.88
 R = 8,185.11
 PC STA. = 419+58.45
 PT STA. = 432+39.33
 e = N/A

CURVE DATA CLCONST60-2
 PI STA. = 1032+43.09
 Δ = 10°10'03" (LT)
 D = 01°54'35"
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 R = 3,000.00
 PC STA. = 1029+76.21
 PT STA. = 1035+08.57
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LEGEND	
	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING
	ASPHALT REMOVAL
	SOD

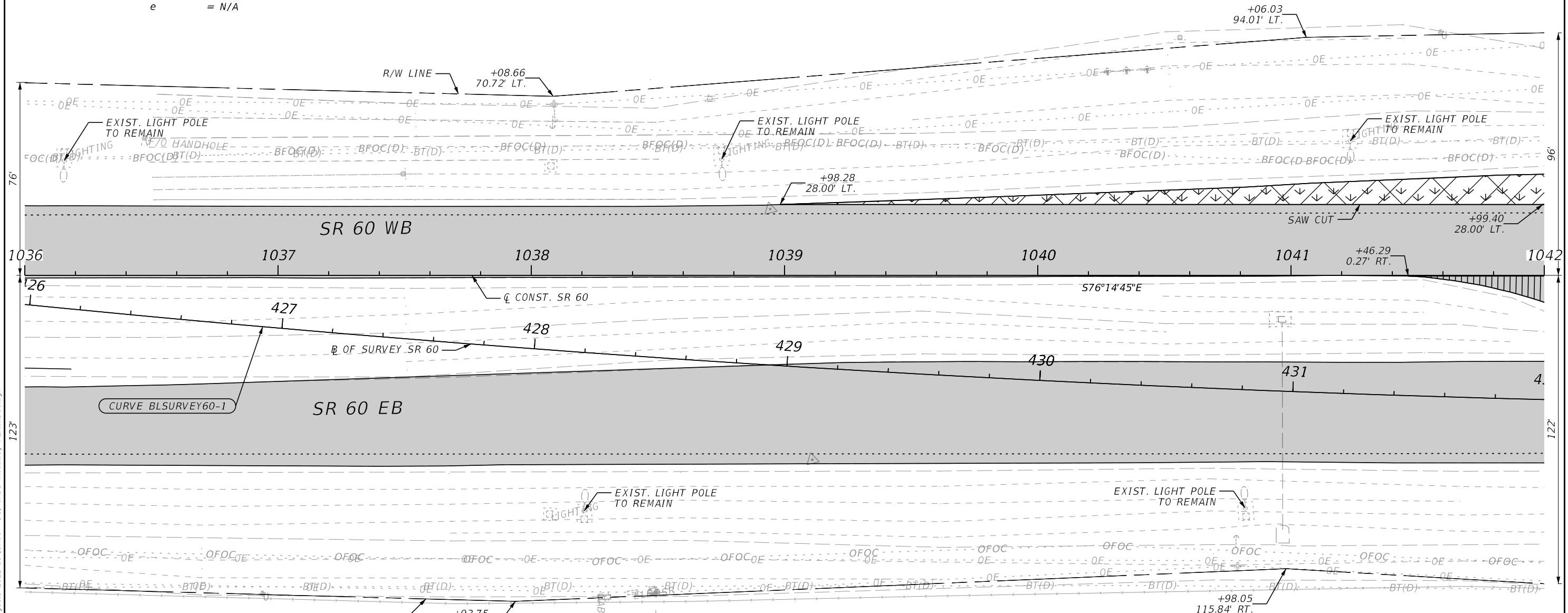
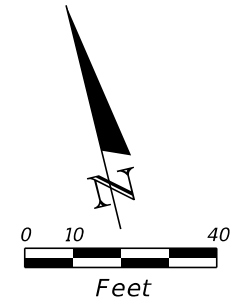


REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 25
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 60	POLK	449276-1-52-01		

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CURVE DATA BLSURVEYSR60-1
 PI STA. = 426+00.1981
 Δ = 08°57'58" (LT)
 D = 02°17'48"
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 L = 1,280.88
 R = 8,185.11
 PC STA. = 419+58.45
 PT STA. = 432+39.33
 e = N/A



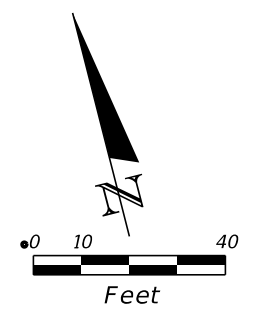
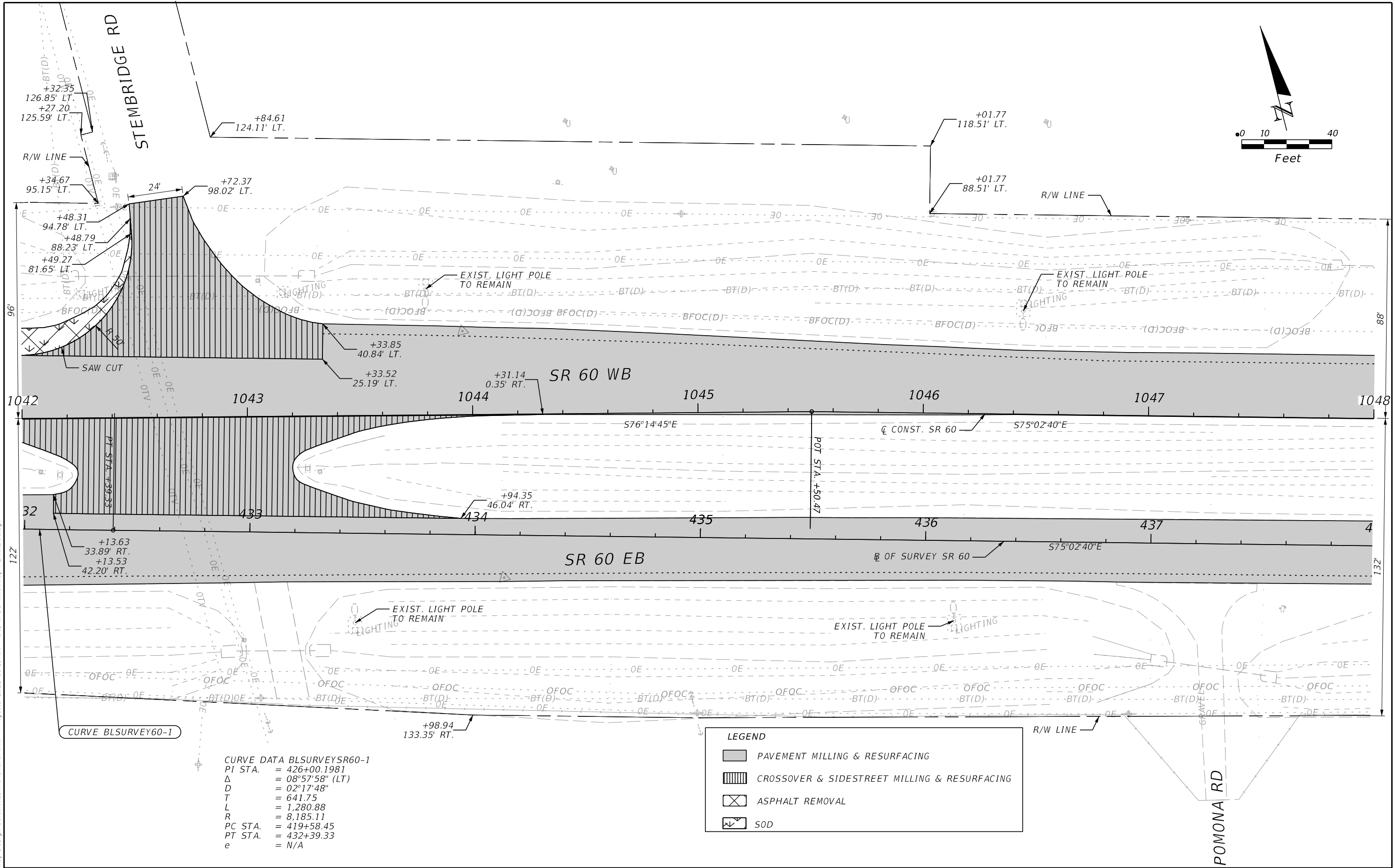
LEGEND	
	PAVEMENT MILLING & RESURFACING
	ASPHALT REMOVAL
	CROSSOVER & SIDE STREET MILLING & RESURFACING
	SOD

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 60	POLK	449276-1-52-01	ROADWAY PLANS			

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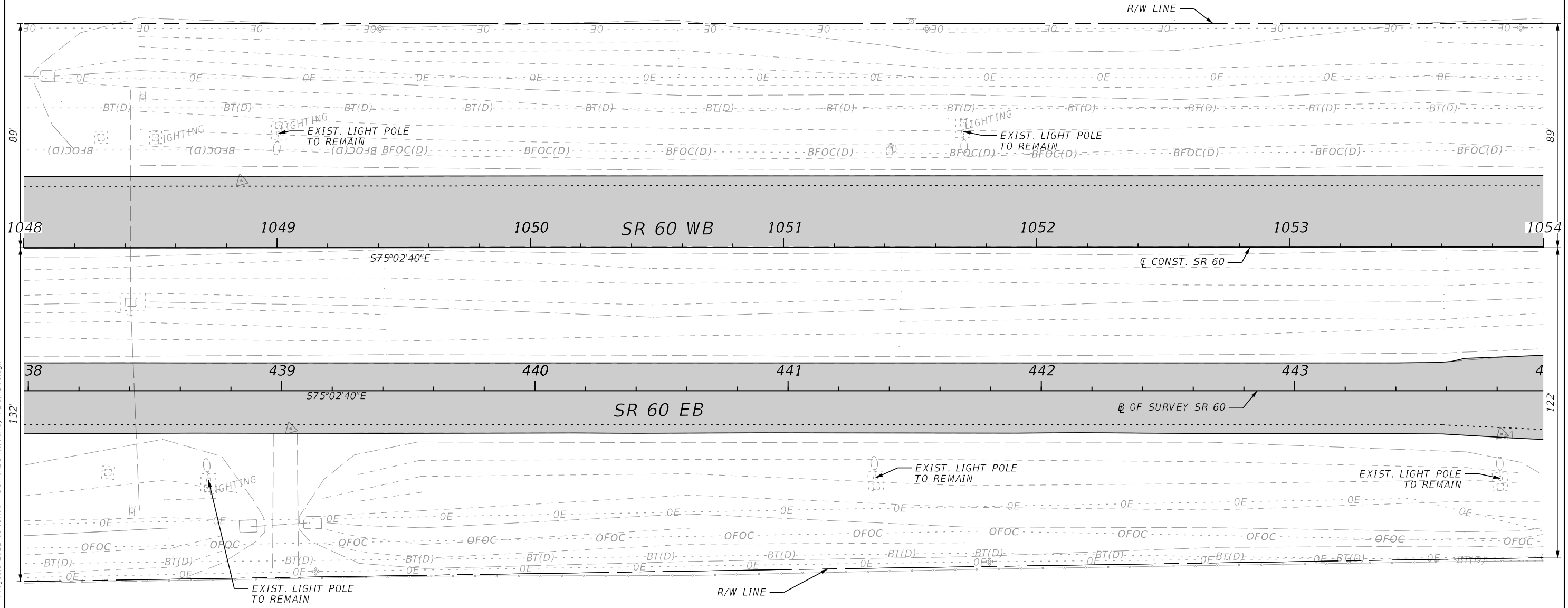
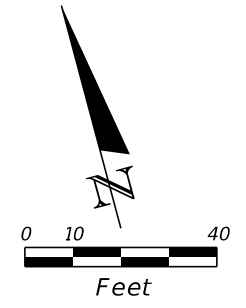
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 R = 8,185.11
 PC STA. = 419+58.45
 PT STA. = 432+39.33
 e = N/A

LEGEND		
	PAVEMENT MILLING & RESURFACING	
	CROSSOVER & SIDESTREET MILLING & RESURFACING	
	ASPHALT REMOVAL	
	SOD	

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		SR 60	POLK	449276-1-52-01	27

ROADWAY PLANS

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CURVE DATA BLSURVEYSR60-1
 PI STA. = 426+00.1981
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 PC STA. = 419+58.45
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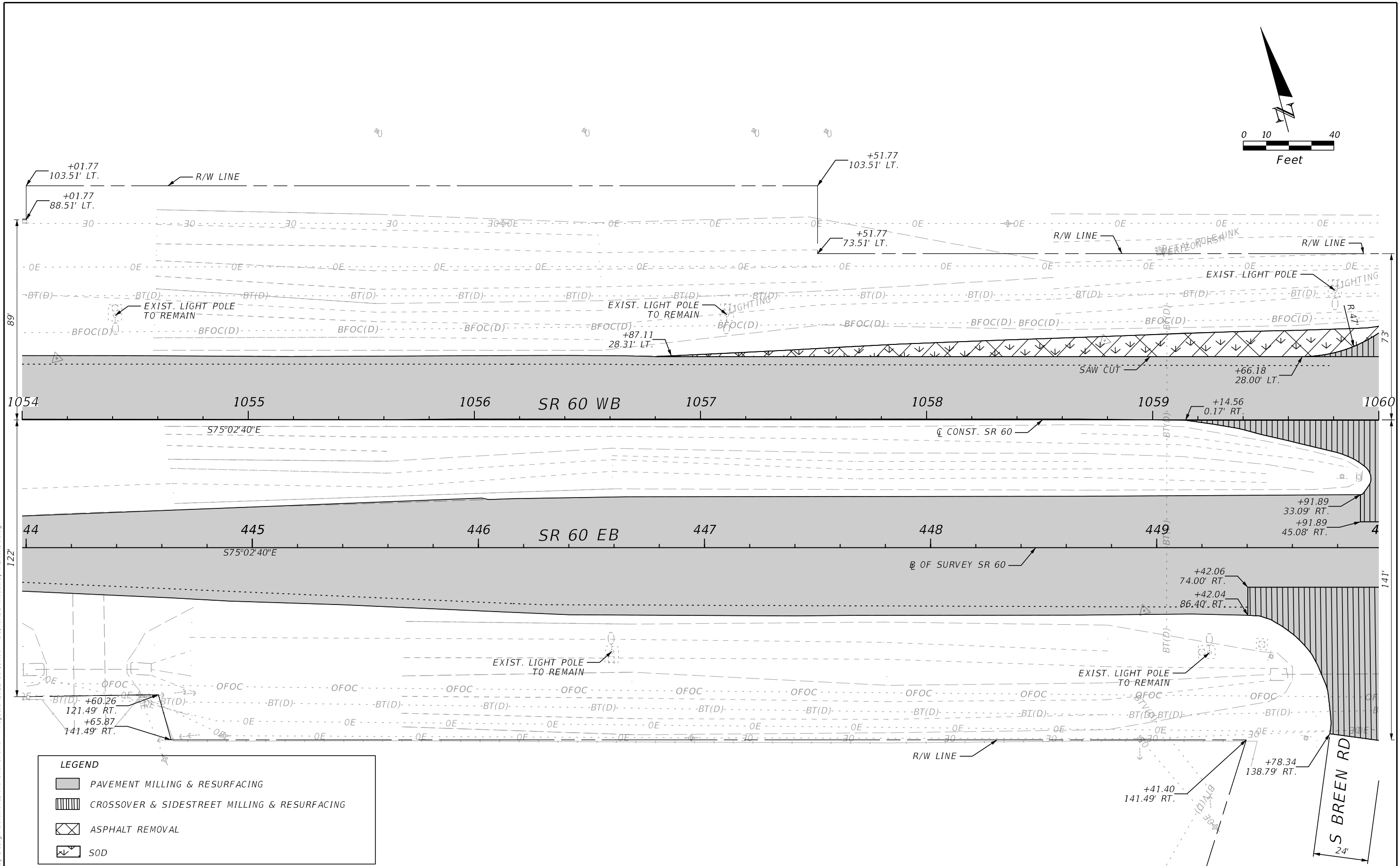
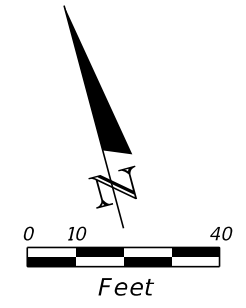
LEGEND

PAVEMENT MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 28
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

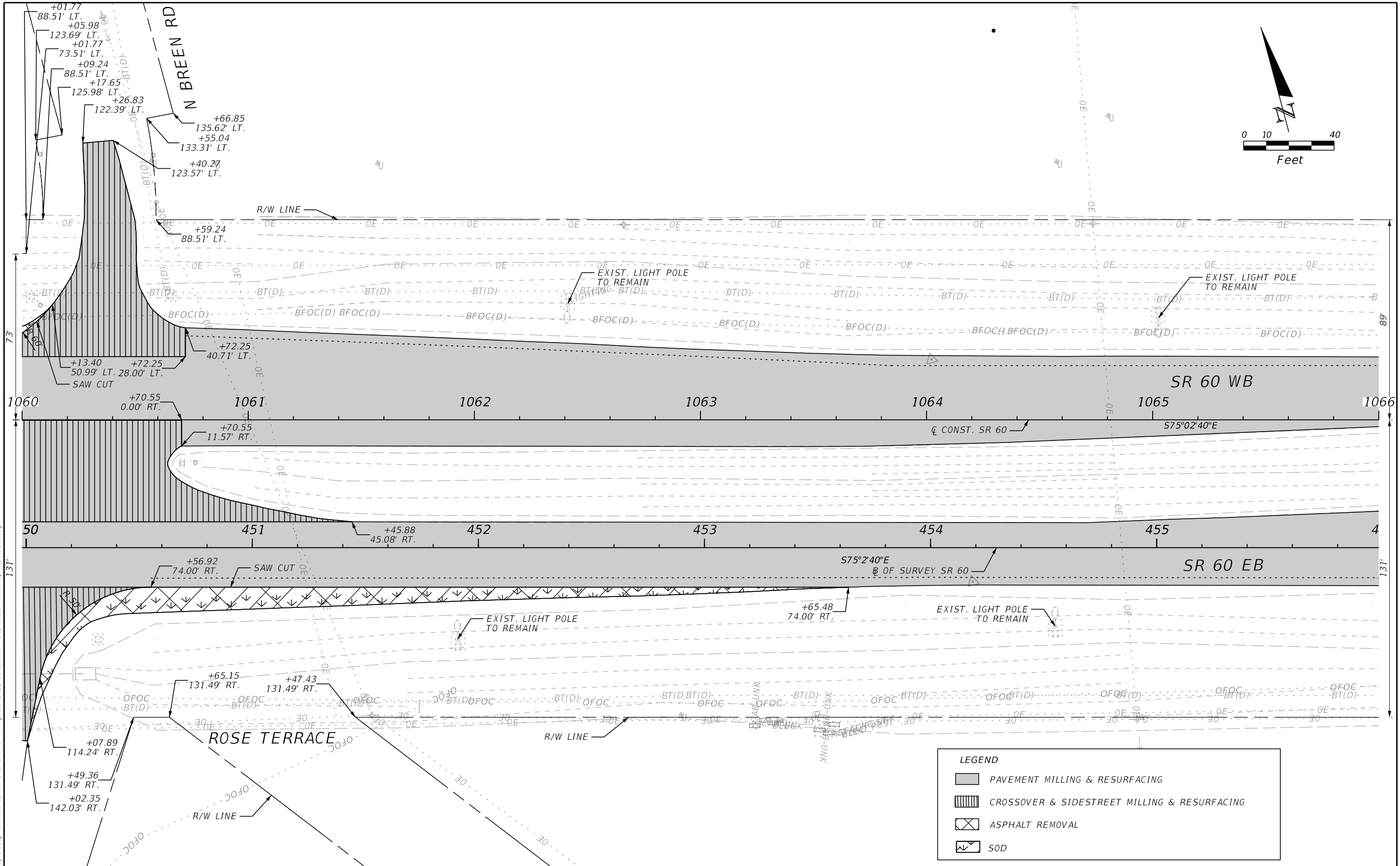
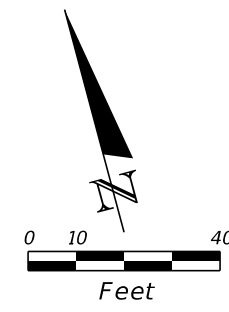


LEGEND	
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	CROSSOVER & SIDESTREET MILLING & RESURFACING
	ASPHALT REMOVAL
	SOD

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 29
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

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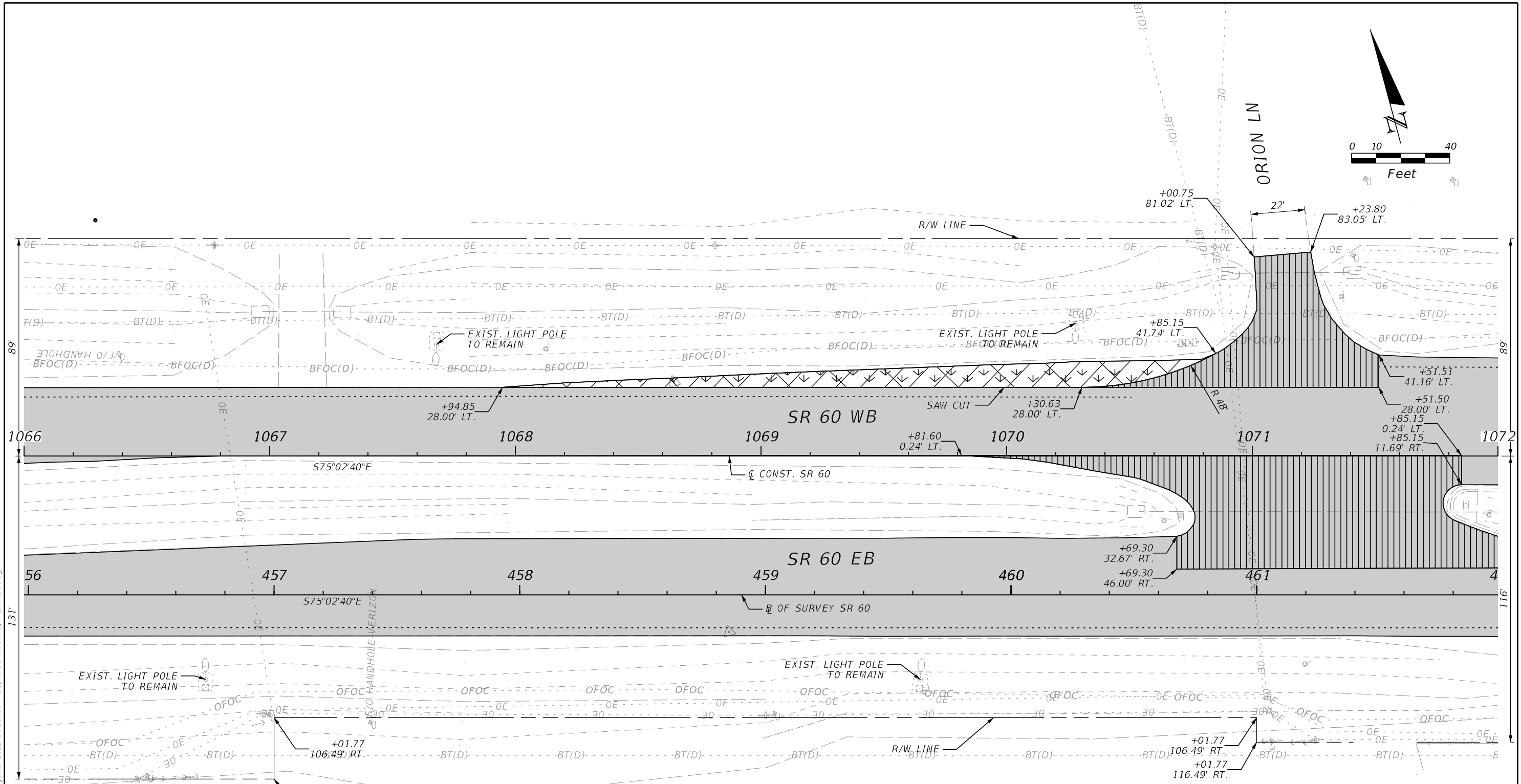
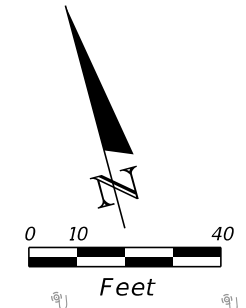


LEGEND	
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	CROSSOVER & SIDESTREET MILLING & RESURFACING
	ASPHALT REMOVAL
	SOD

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 30
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
								SR 60		

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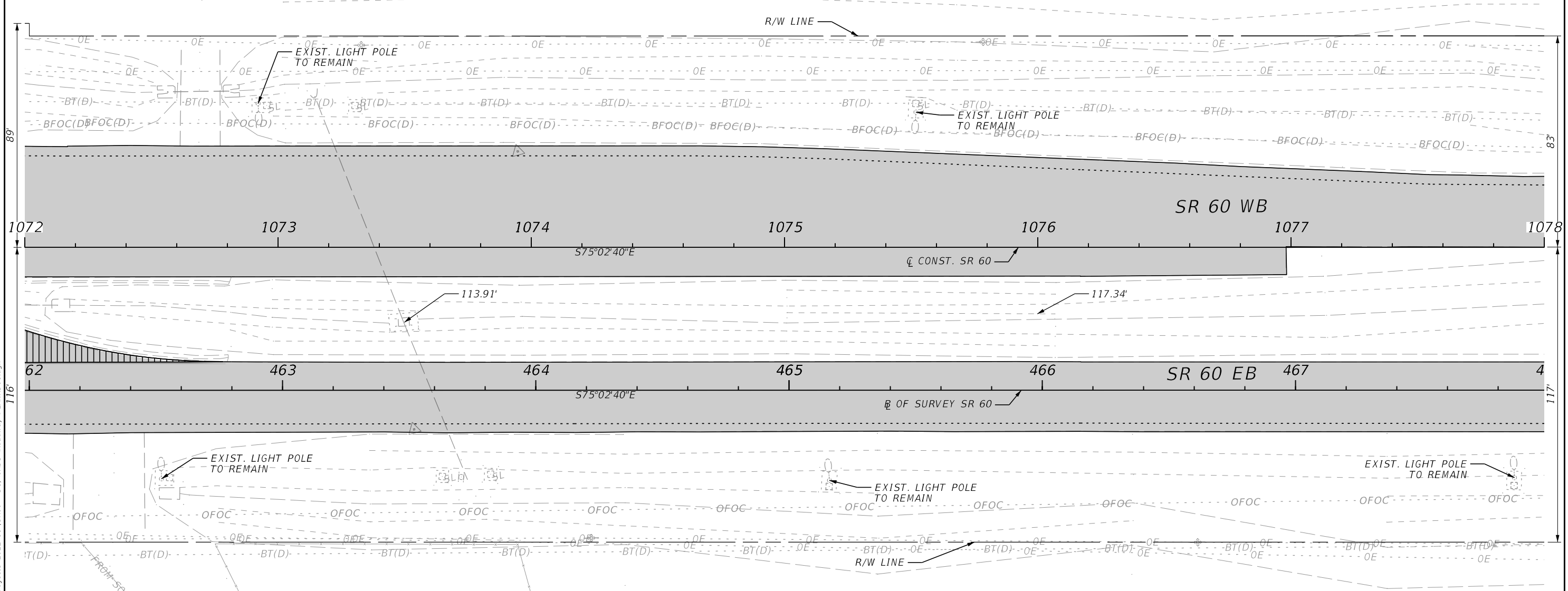
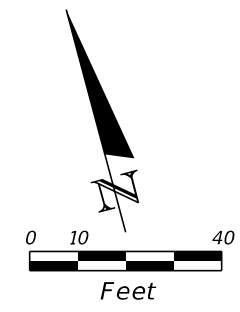


LEGEND	
	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING
	ASPHALT REMOVAL
	SOD

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 31
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

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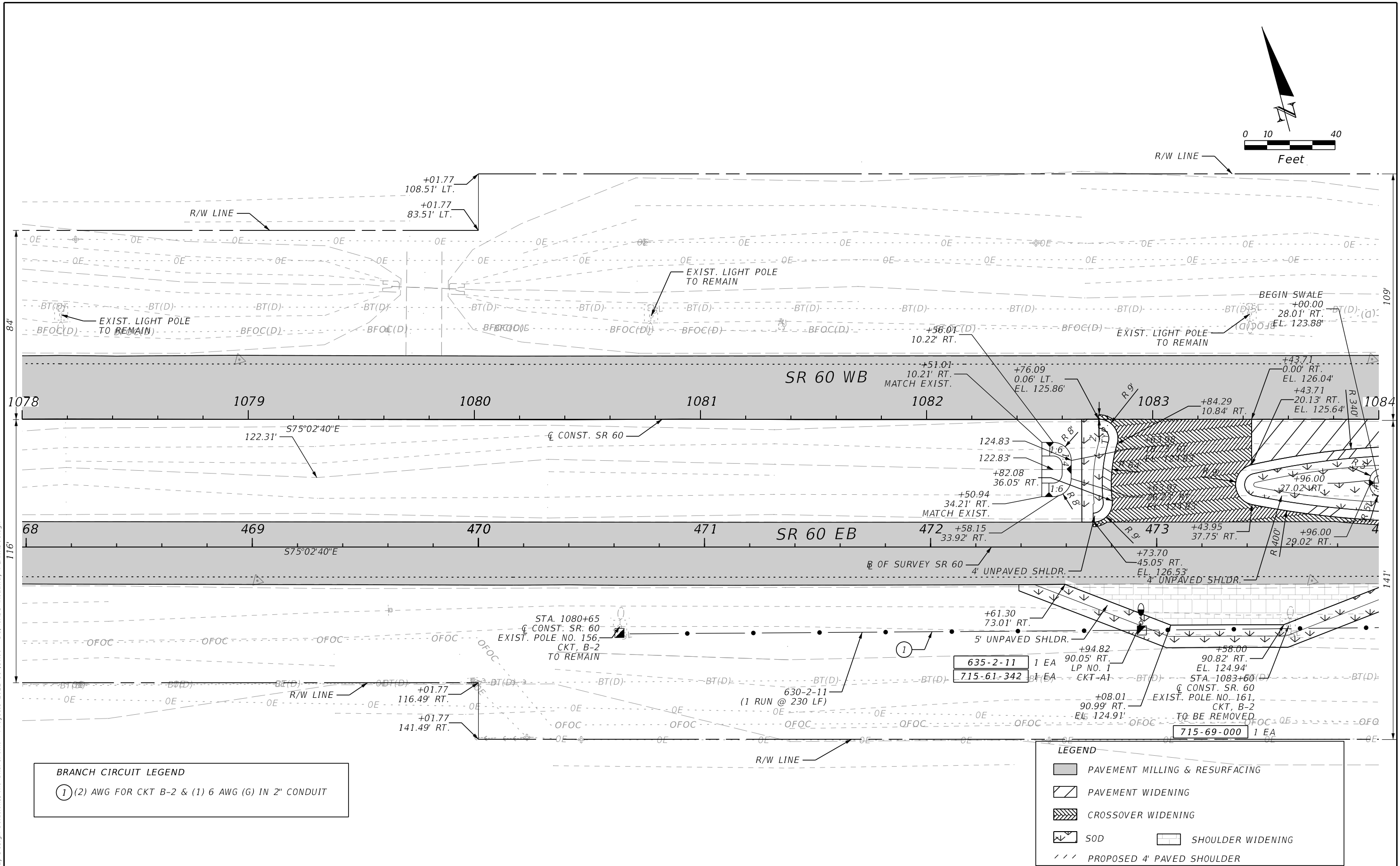
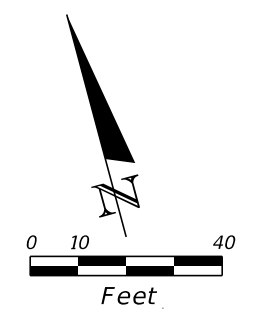


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LEGEND	
	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 32
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			SR 60	POLK	449276-1-52-01		



BRANCH CIRCUIT LEGEND

① (2) AWG FOR CKT B-2 & (1) 6 AWG (G) IN 2" CONDUIT

LEGEND

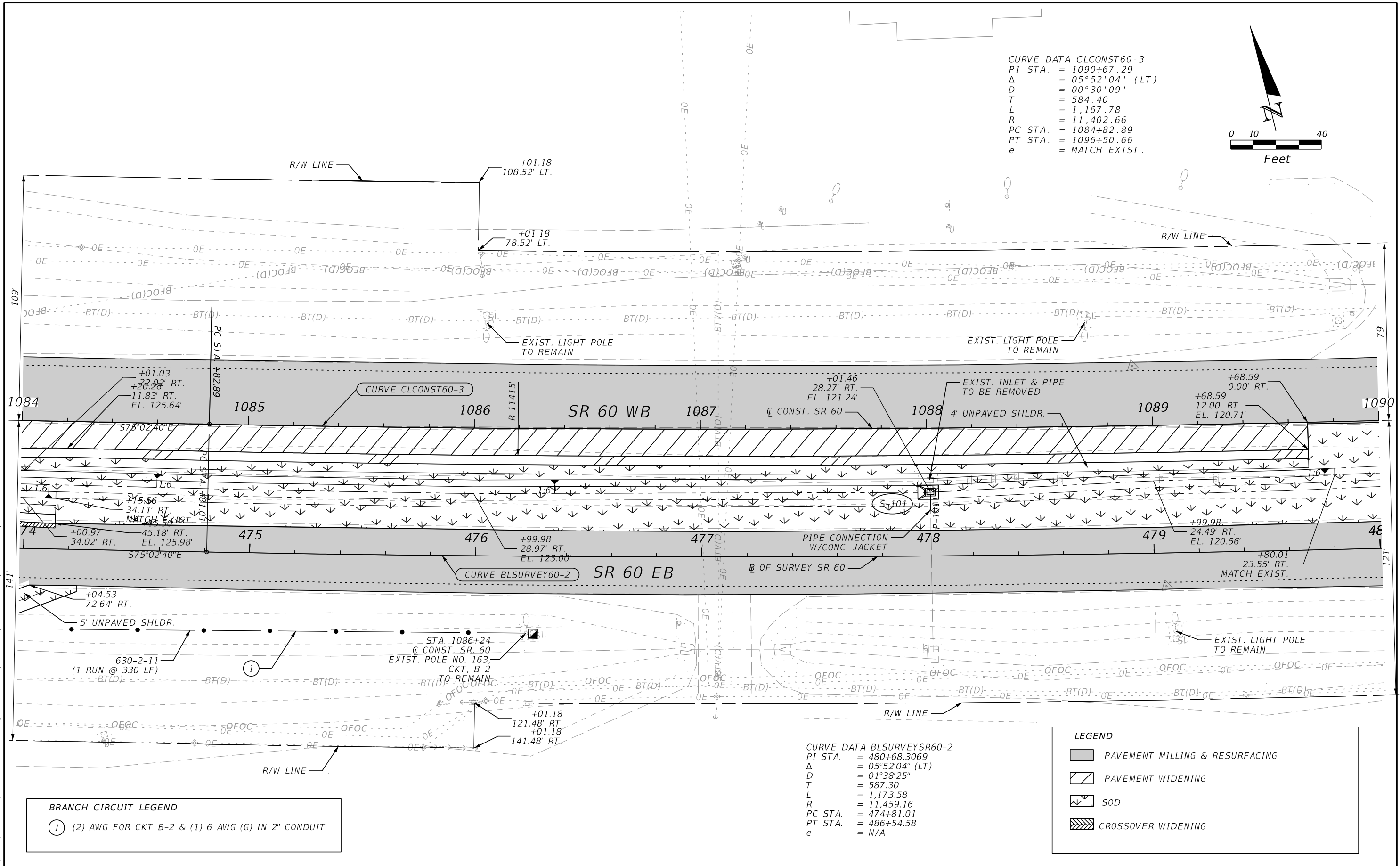
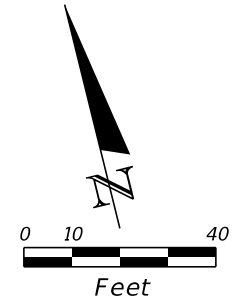
- PAVEMENT MILLING & RESURFACING
- PAVEMENT WIDENING
- CROSSOVER WIDENING
- SOD
- SHOULDER WIDENING
- PROPOSED 4' PAVED SHOULDER

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	POLK	449276-1-52-01	
ROADWAY PLANS										33

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CURVE DATA CLCONST60-3
 PI STA. = 1090+67.29
 Δ = 05°52'04" (LT)
 D = 00°30'09"
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 L = 1,167.78
 R = 11,402.66
 PC STA. = 1084+82.89
 PT STA. = 1096+50.66
 e = MATCH EXIST.



CURVE DATA BLSURVEYSR60-2
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 T = 587.30
 L = 1,173.58
 R = 11,459.16
 PC STA. = 474+81.01
 PT STA. = 486+54.58
 e = N/A

LEGEND	
	PAVEMENT MILLING & RESURFACING
	PAVEMENT WIDENING
	SOD
	CROSSOVER WIDENING

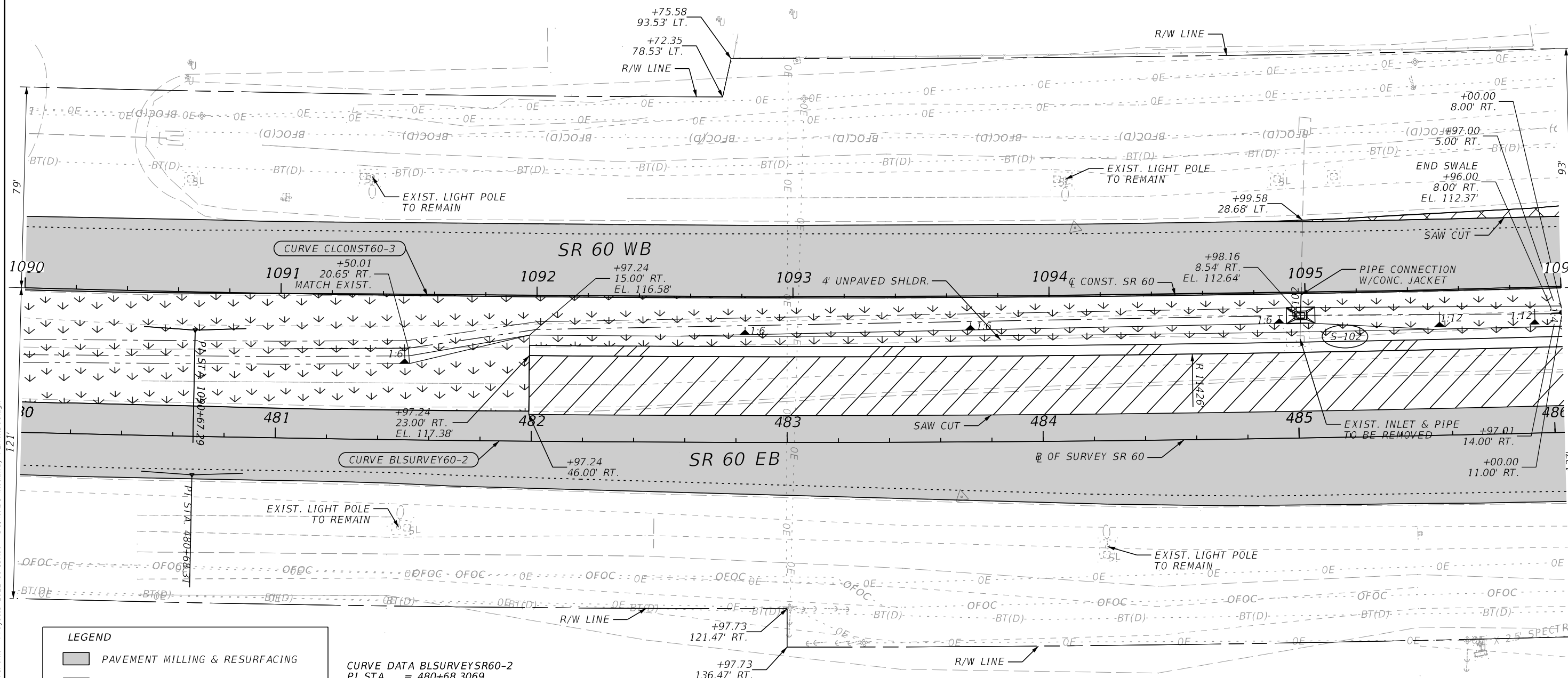
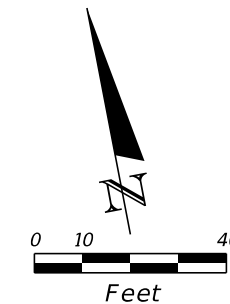
BRANCH CIRCUIT LEGEND	
	(2) AWG FOR CKT B-2 & (1) 6 AWG (G) IN 2" CONDUIT

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	POLK	449276-1-52-01	
ROADWAY PLANS									34

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CURVE DATA CLCONST60-3
 PI STA. = 1090+67.29
 Δ = 05°52'04" (LT)
 D = 00°30'09"
 T = 584.40
 L = 1,167.78
 R = 11,402.66
 PC STA. = 1084+82.89
 PT STA. = 1096+50.66
 e = MATCH EXIST.



LEGEND

- PAVEMENT MILLING & RESURFACING
- PAVEMENT WIDENING
- ASPHALT REMOVAL
- SOD
- PROPOSED 4' PAVED SHOULDER

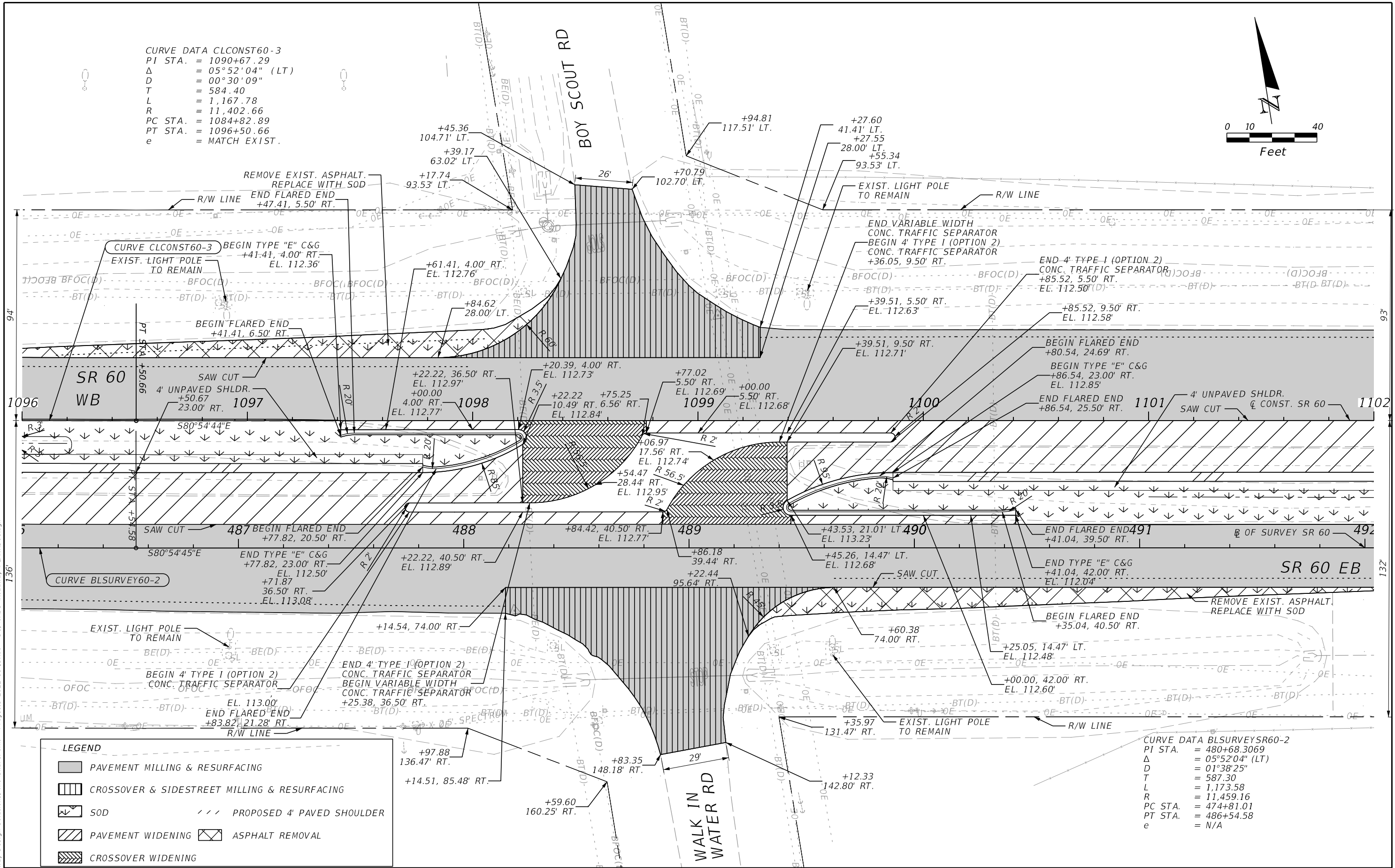
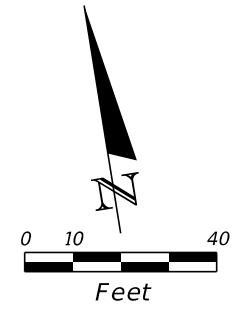
CURVE DATA BLSURVEYSR60-2
 PI STA. = 480+68.3069
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 D = 01°38'25"
 T = 587.30
 L = 1,173.58
 R = 11,459.16
 PC STA. = 474+81.01
 PT STA. = 486+54.58
 e = N/A

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 35
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

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CURVE DATA CLCONST60-3
 PI STA. = 1090+67.29
 Δ = 05°52'04" (LT)
 D = 00°30'09"
 T = 584.40
 L = 1,167.78
 R = 11,402.66
 PC STA. = 1084+82.89
 PT STA. = 1096+50.66
 e = MATCH EXIST.



LEGEND

- PAVEMENT MILLING & RESURFACING
- CROSSOVER & SIDESTREET MILLING & RESURFACING
- SOD
- PAVEMENT WIDENING
- ASPHALT REMOVAL
- PROPOSED 4' PAVED SHOULDER
- CROSSOVER WIDENING

CURVE DATA BLSURVEYSR60-2
 PI STA. = 480+68.3069
 Δ = 05°52'04" (LT)
 D = 01°38'25"
 T = 587.30
 L = 1,173.58
 R = 11,459.16
 PC STA. = 474+81.01
 PT STA. = 486+54.58
 e = N/A

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REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

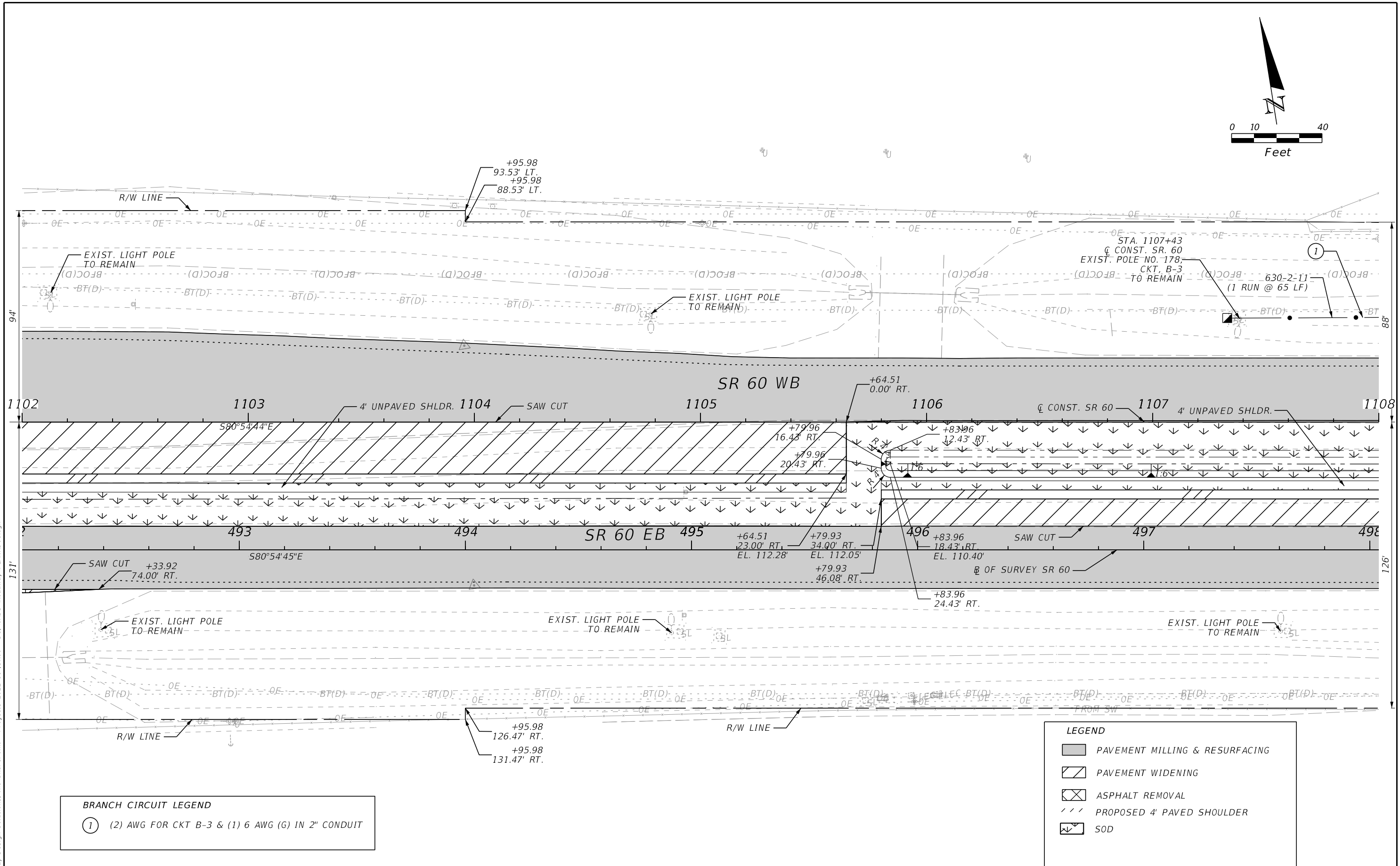
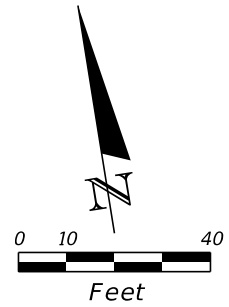
ENGINEER OF RECORD
 RICARDO A. CASTRO, P.E.
 LICENSE NUMBER: 68294
 ROADWAY DESIGN SOLUTIONS, INC.
 8600 NW 17TH STREET, SUITE 145
 DORAL, FL 33126

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

ROADWAY PLANS

SHEET NO.
36

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BRANCH CIRCUIT LEGEND

① (2) AWG FOR CKT B-3 & (1) 6 AWG (G) IN 2" CONDUIT

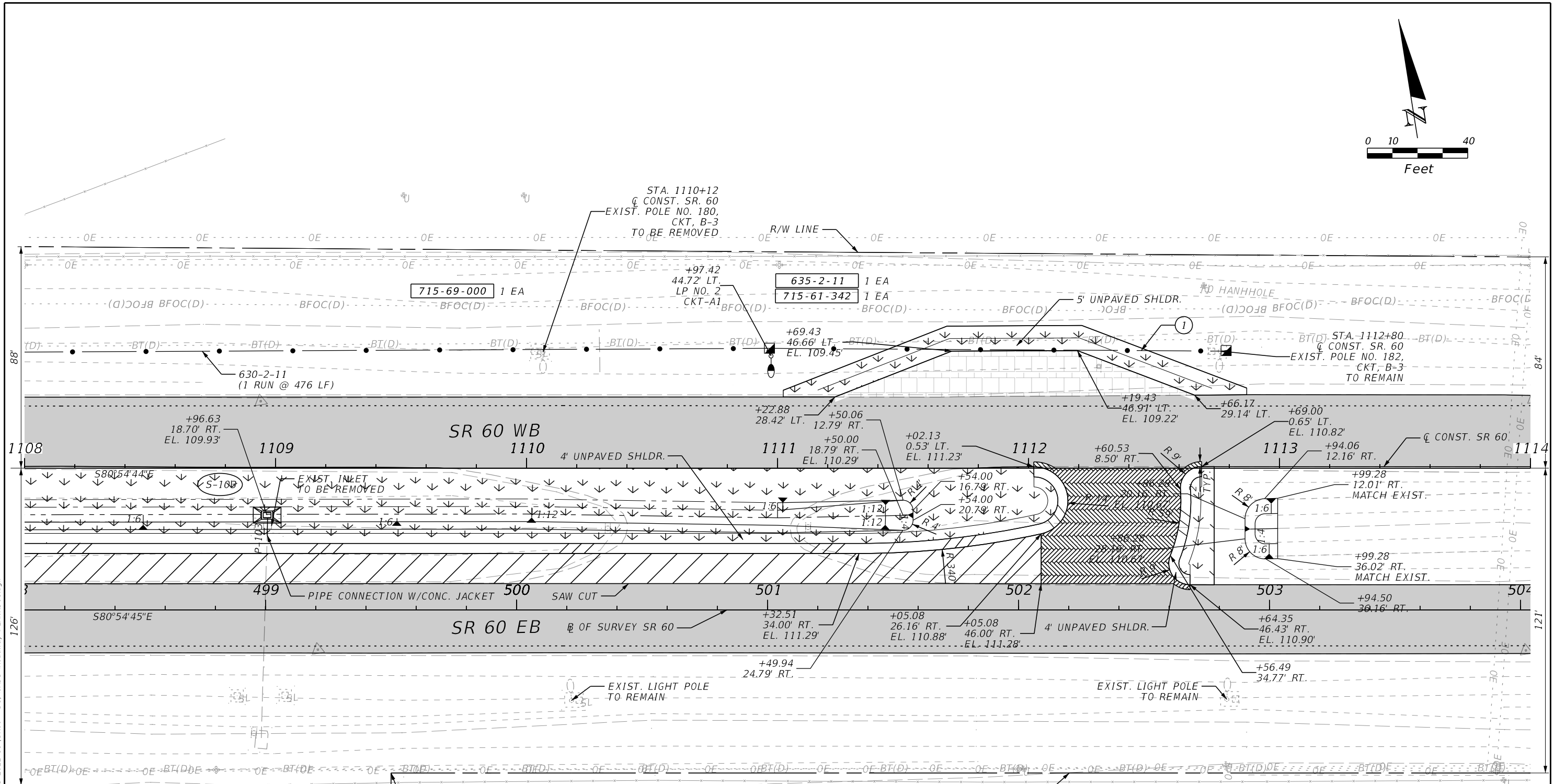
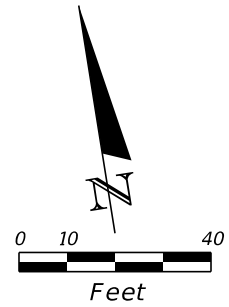
LEGEND

- PAVEMENT MILLING & RESURFACING
- PAVEMENT WIDENING
- ASPHALT REMOVAL
- PROPOSED 4' PAVED SHOULDER
- SOD

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 37
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

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LEGEND

- PAVEMENT MILLING & RESURFACING
- PAVEMENT WIDENING
- CROSSOVER WIDENING
- PROPOSED 4' PAVED SHOULDER
- SOD
- SHOULDER WIDENING

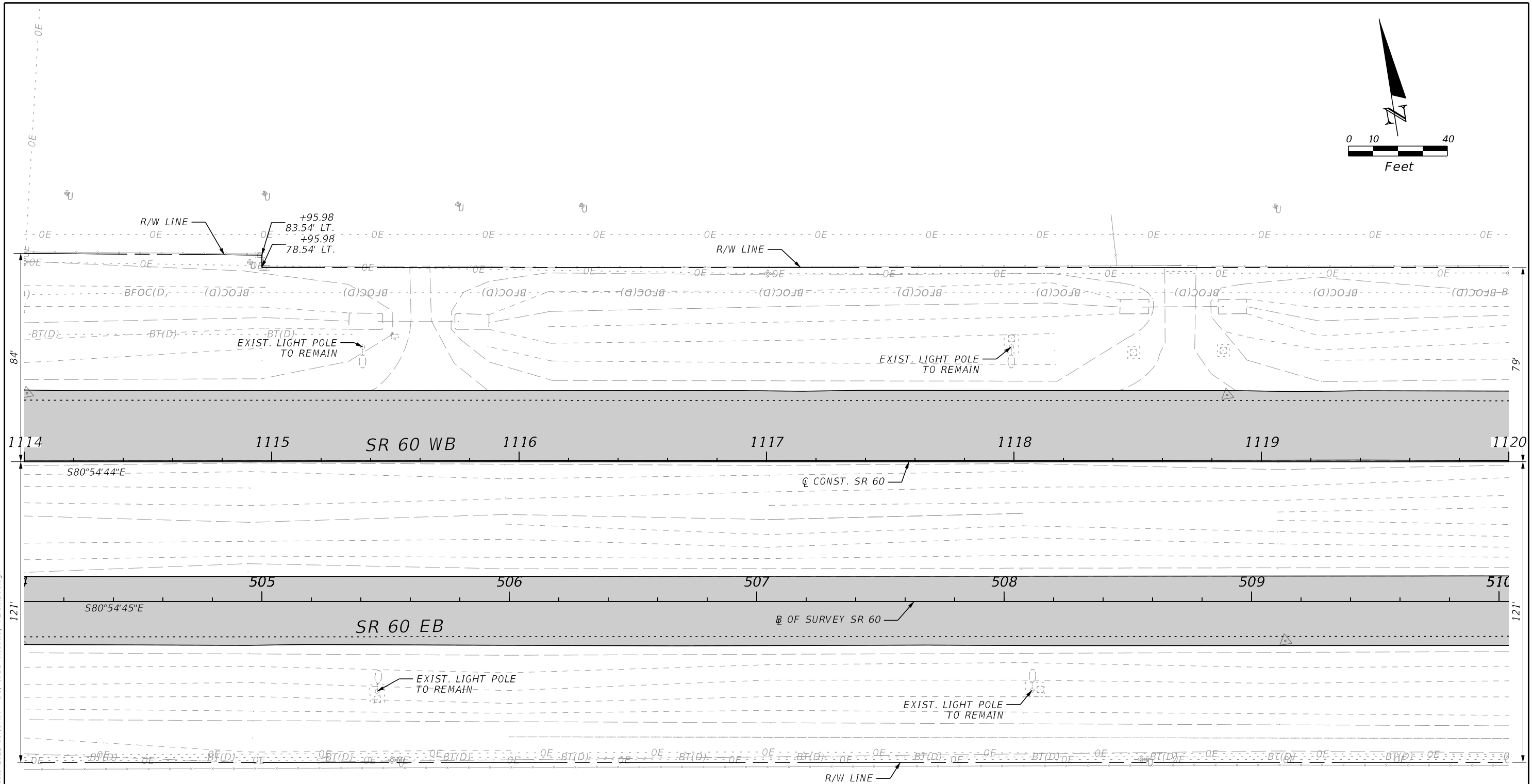
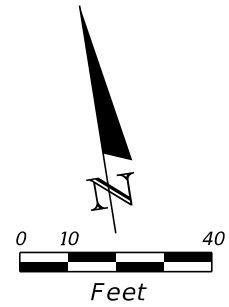
BRANCH CIRCUIT LEGEND

① (2) AWG FOR CKT B-3 & (1) 6 AWG (G) IN 2" CONDUIT

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 38
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 60	POLK	449276-1-52-01		



LEGEND

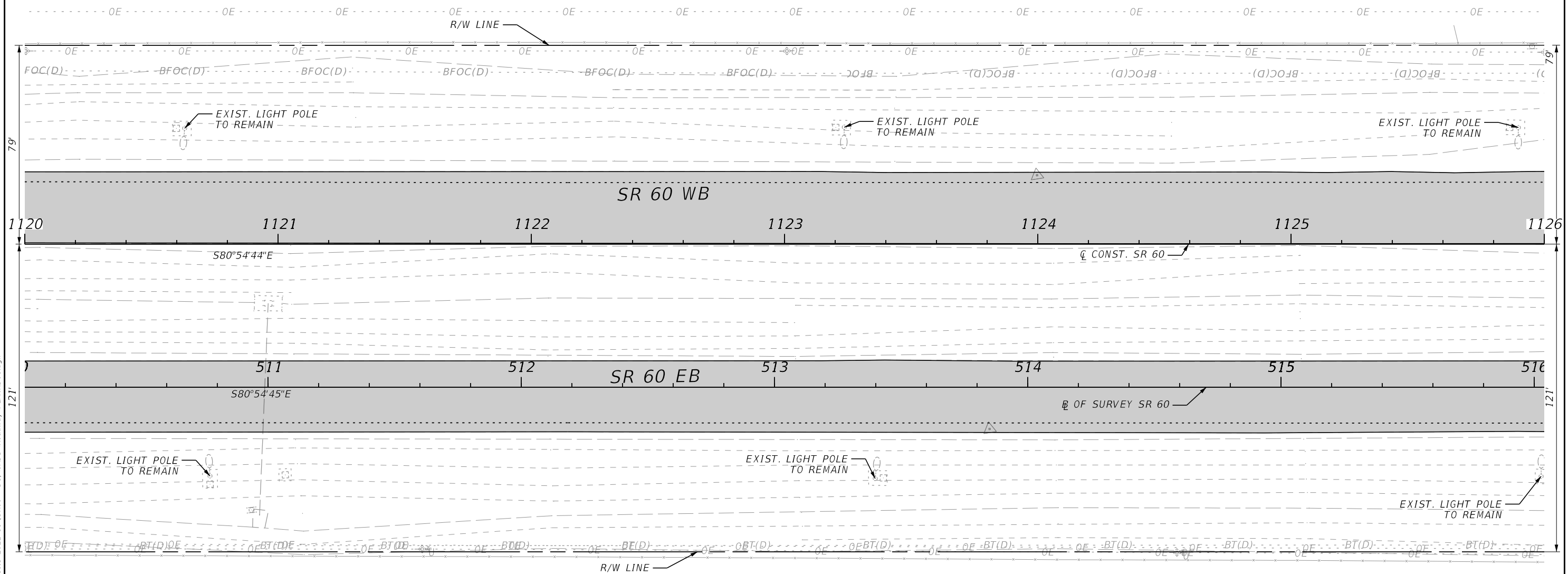
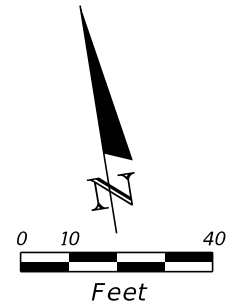
PAVEMENT MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	POLK	449276-1-52-01	39

ROADWAY PLANS



LEGEND

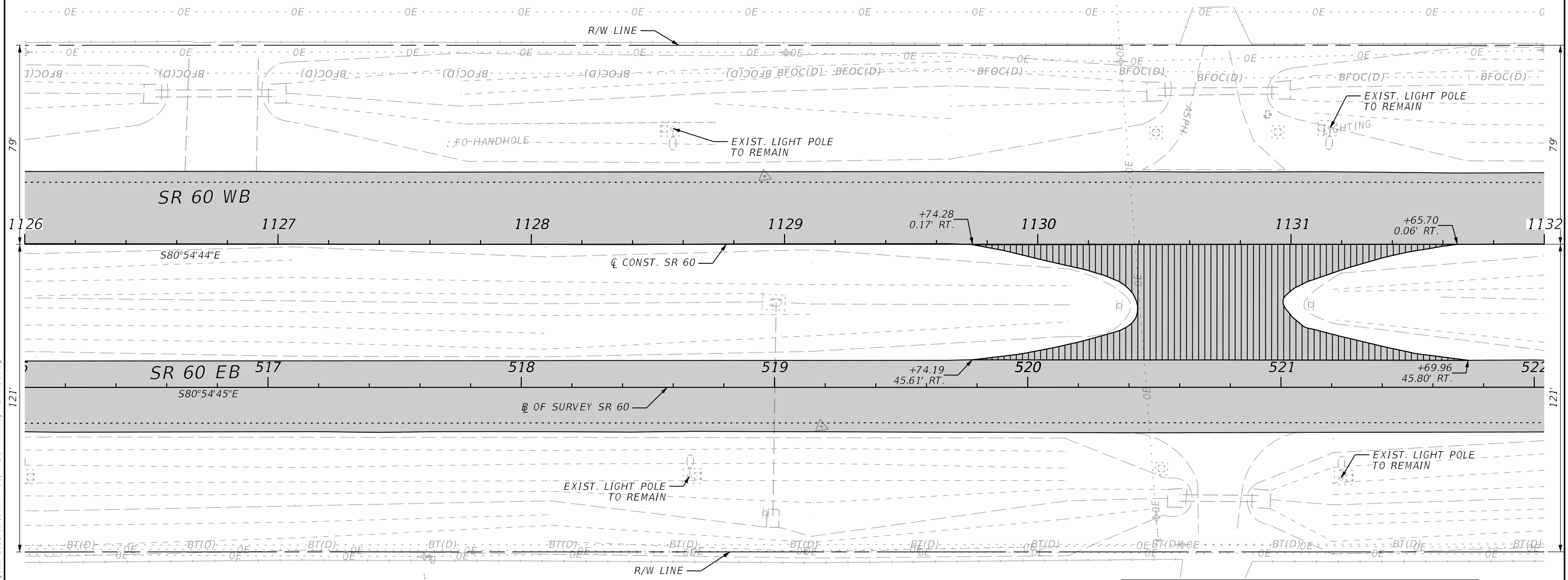
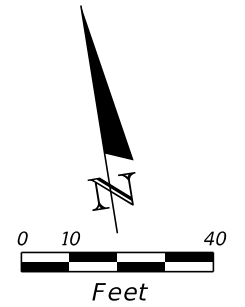
PAVEMENT MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	POLK	449276-1-52-01	40

ROADWAY PLANS

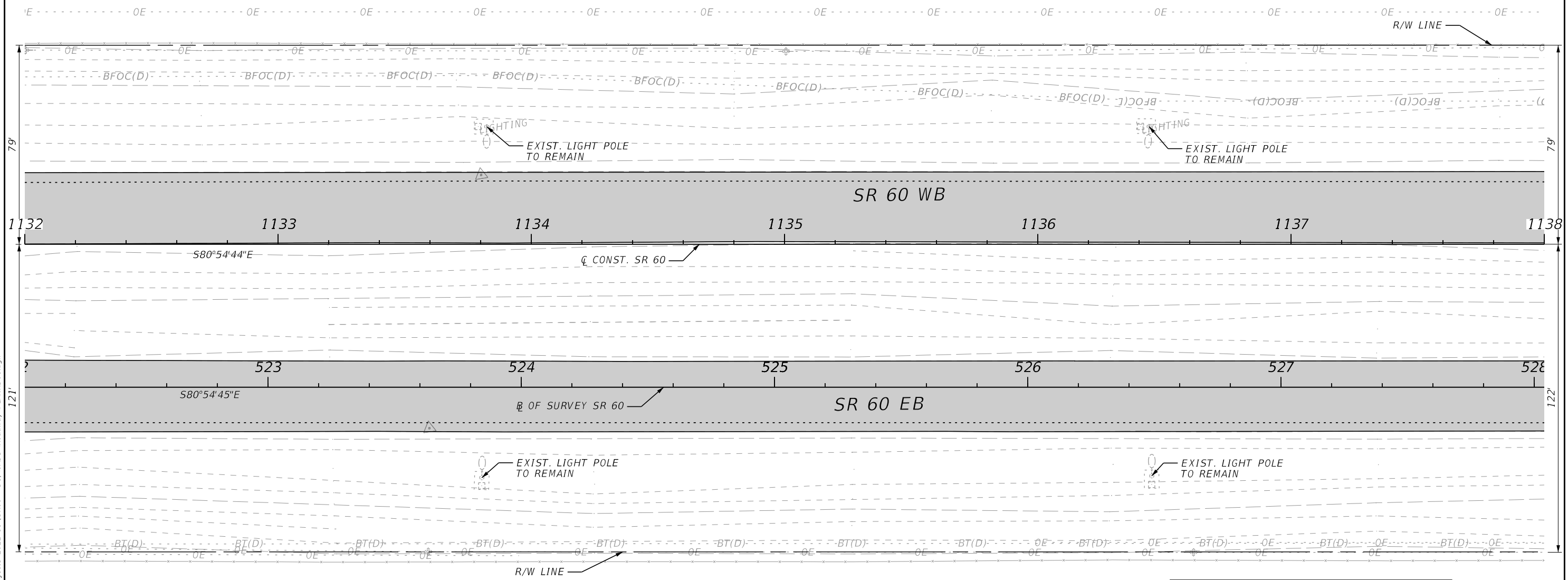
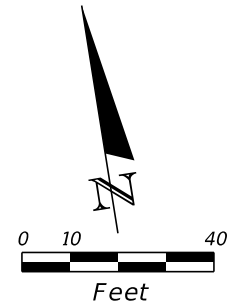


LEGEND	
	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING

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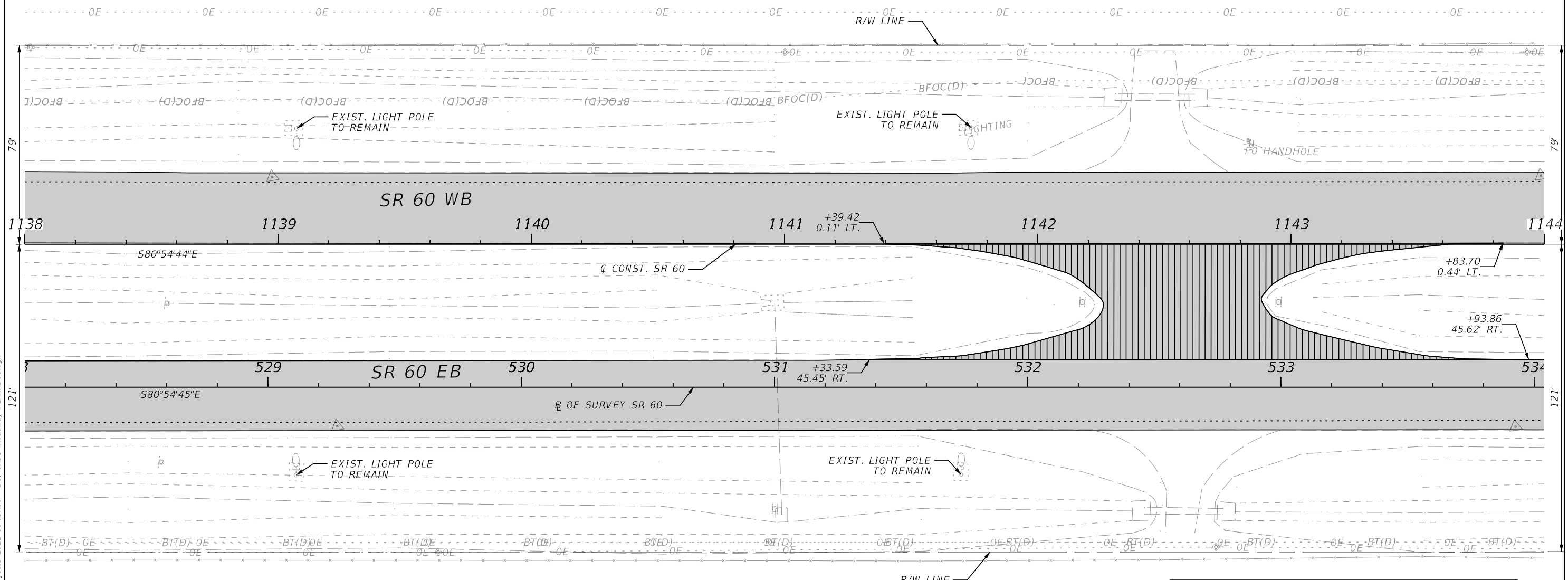
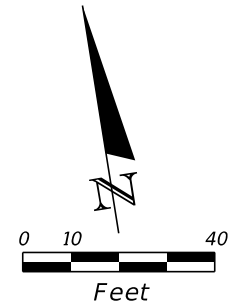
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 41
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		



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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 60	POLK	449276-1-52-01		42

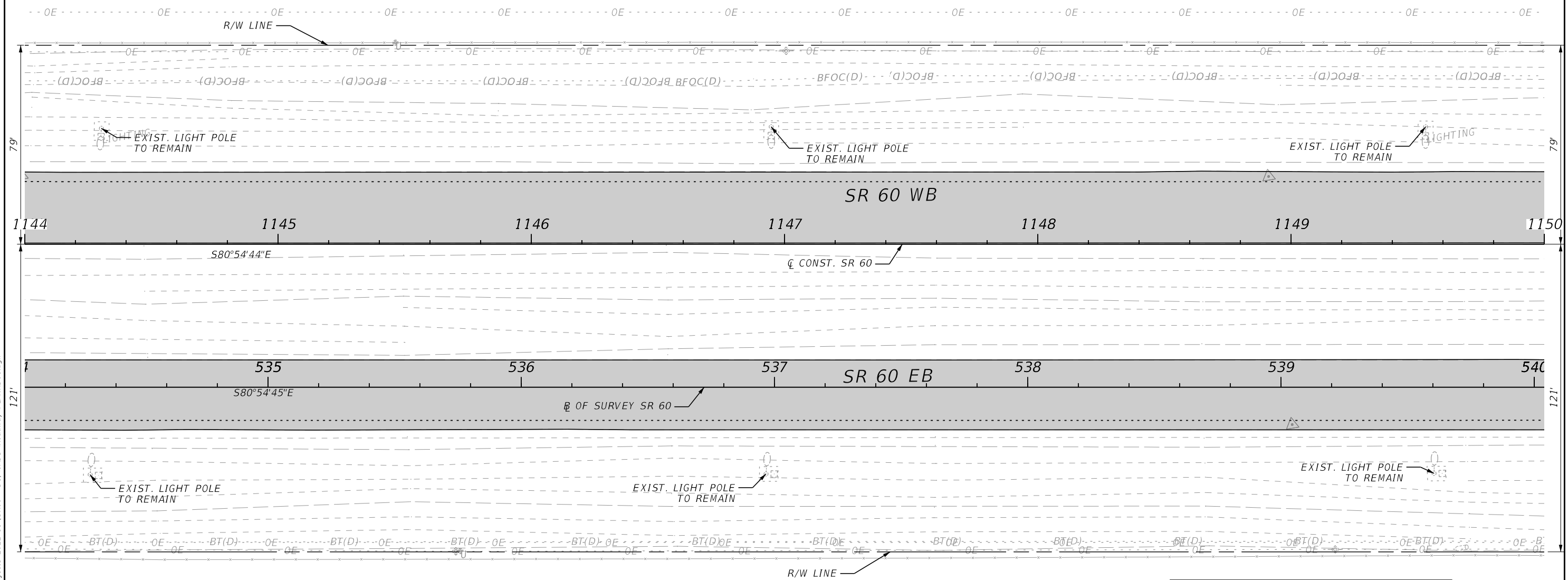
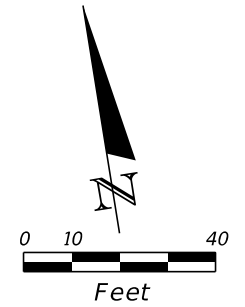


LEGEND	
	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 43
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		



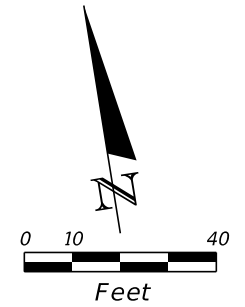
LEGEND

PAVEMENT MILLING & RESURFACING

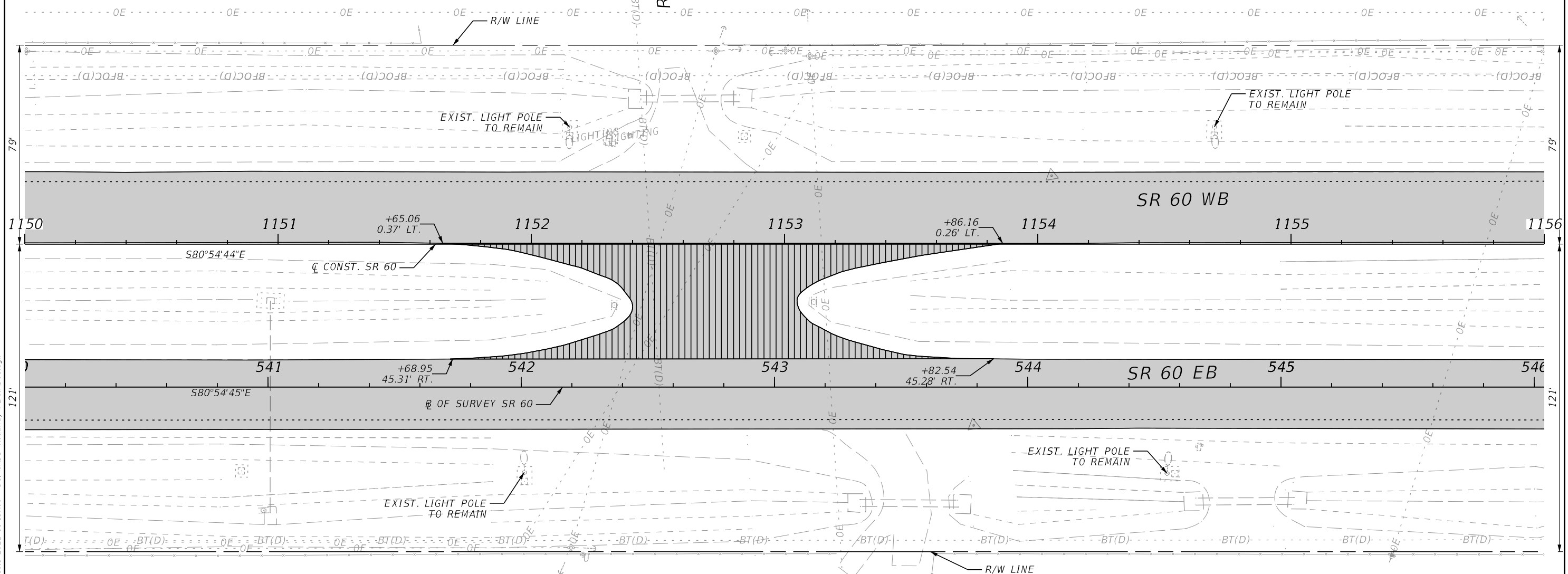
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY		FINANCIAL PROJECT ID
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			SR 60	POLK		449276-1-52-01

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R J KEENE RD



LEGEND

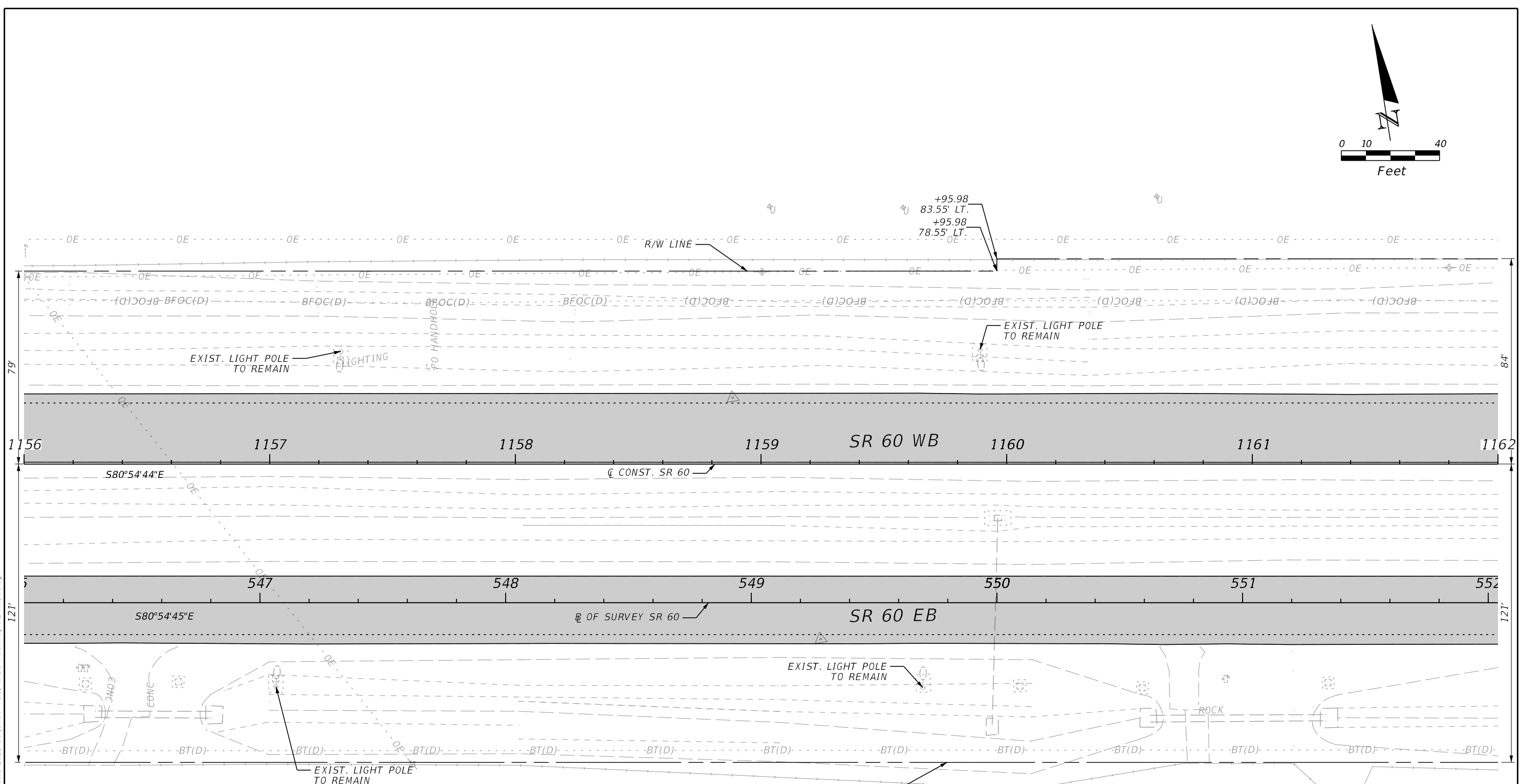
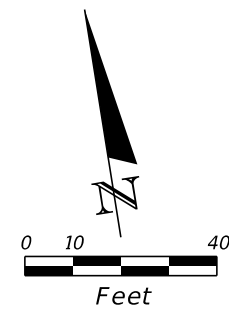
- PAVEMENT MILLING & RESURFACING
- CROSSOVER & SIDESTREET MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	POLK	449276-1-52-01	45

ROADWAY PLANS

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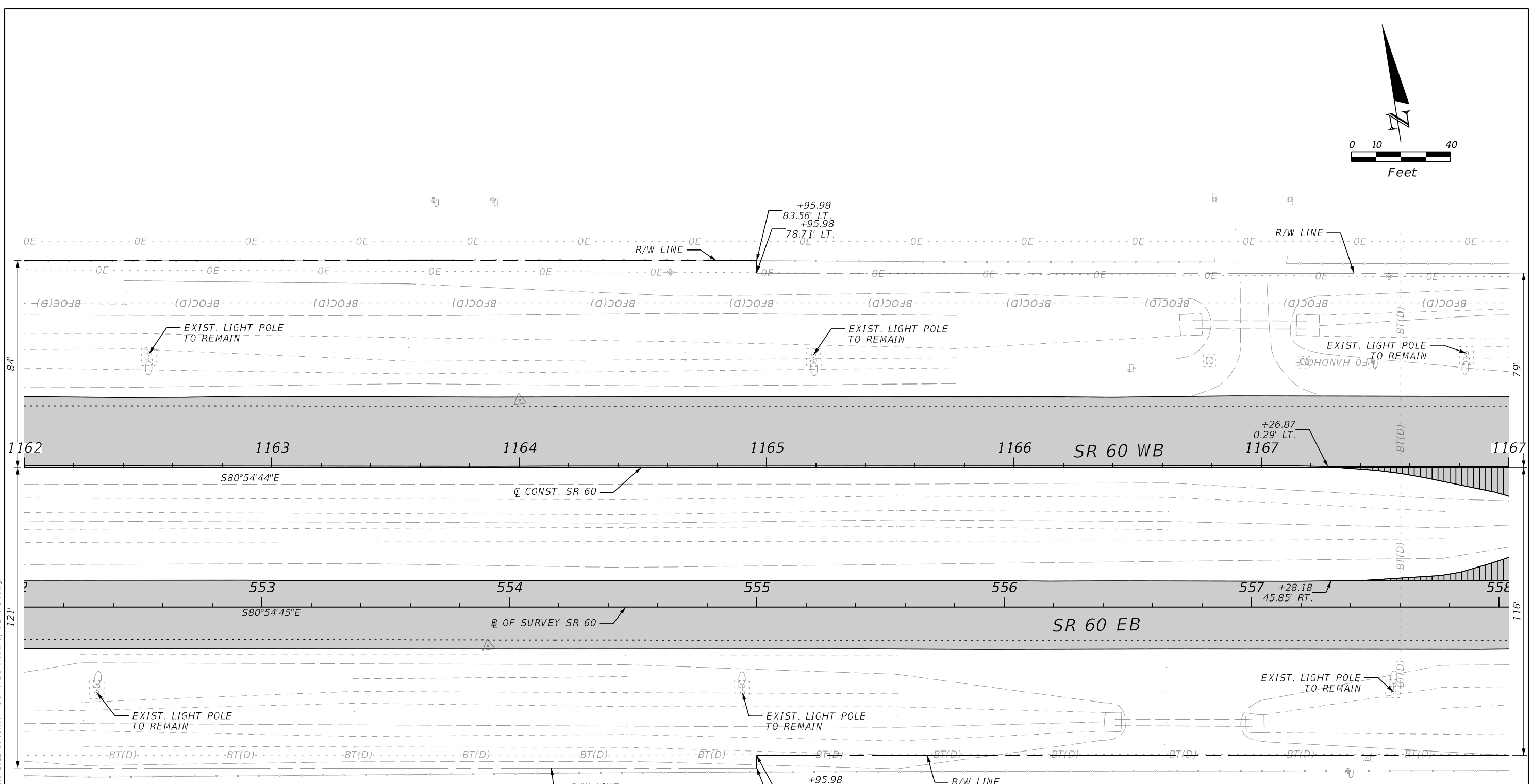
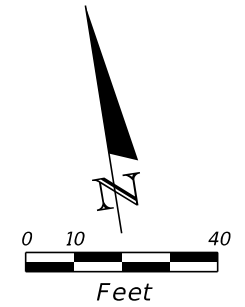
LEGEND

PAVEMENT MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		46
								SR 60		

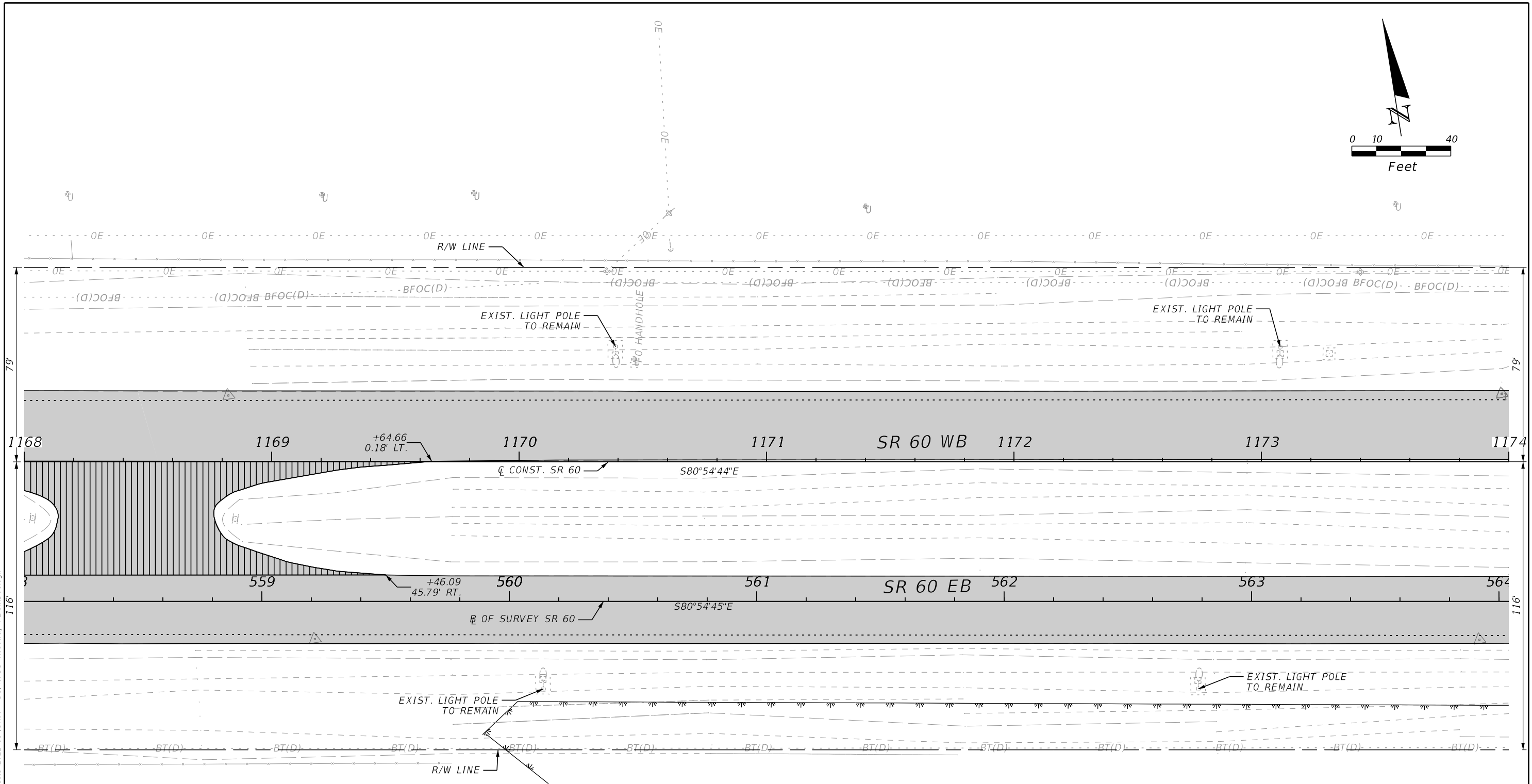
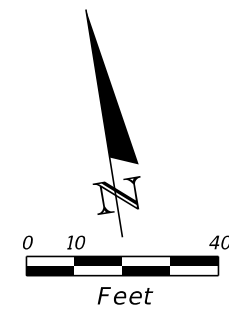


LEGEND	
	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 47
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 60	POLK	449276-1-52-01					

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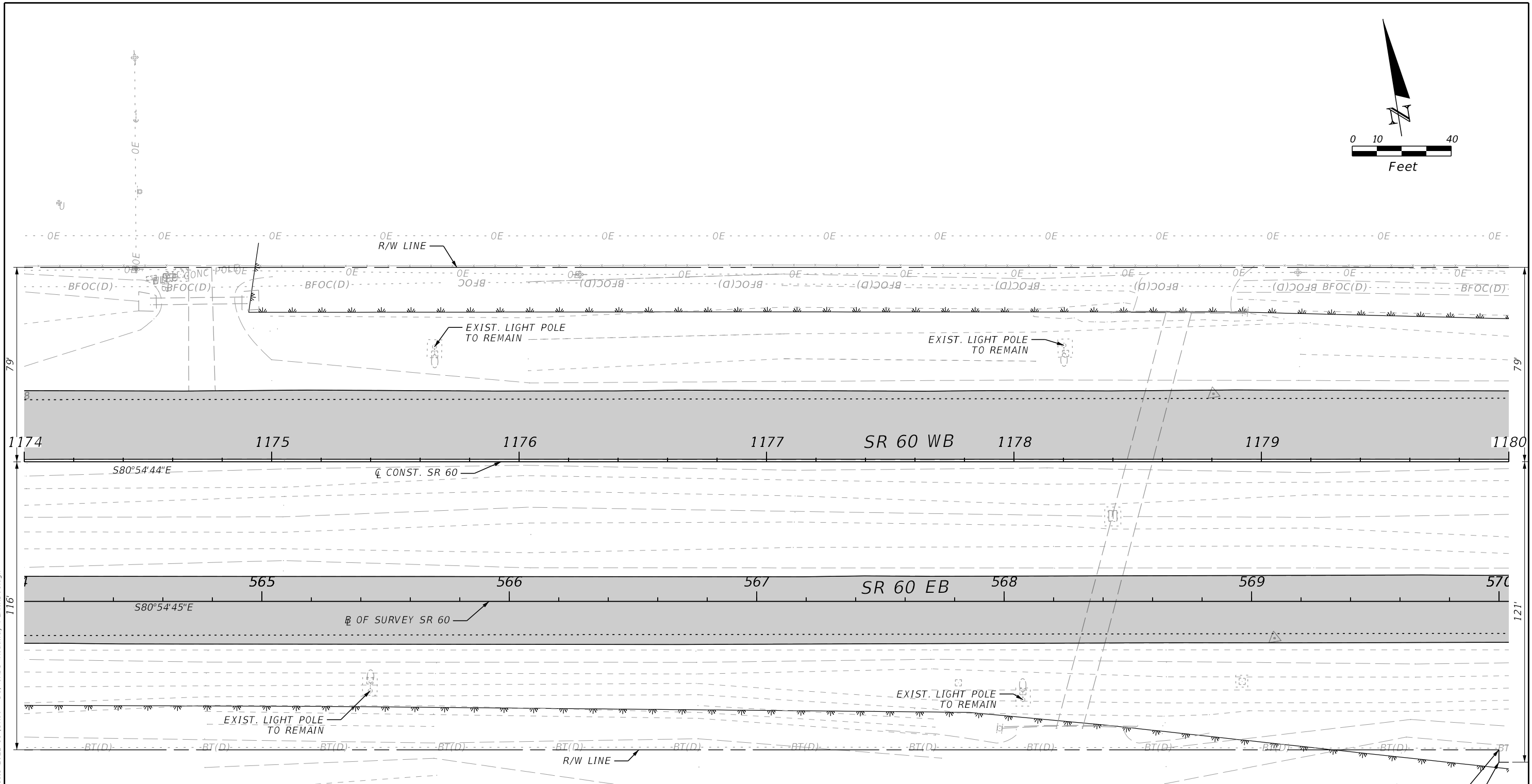
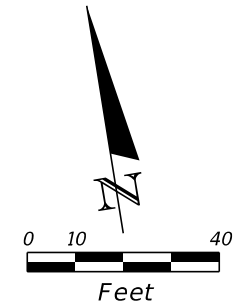


LEGEND	
	PAVEMENT MILLING & RESURFACING
	WETLANDS
	CROSSOVER & SIDESTREET MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		48

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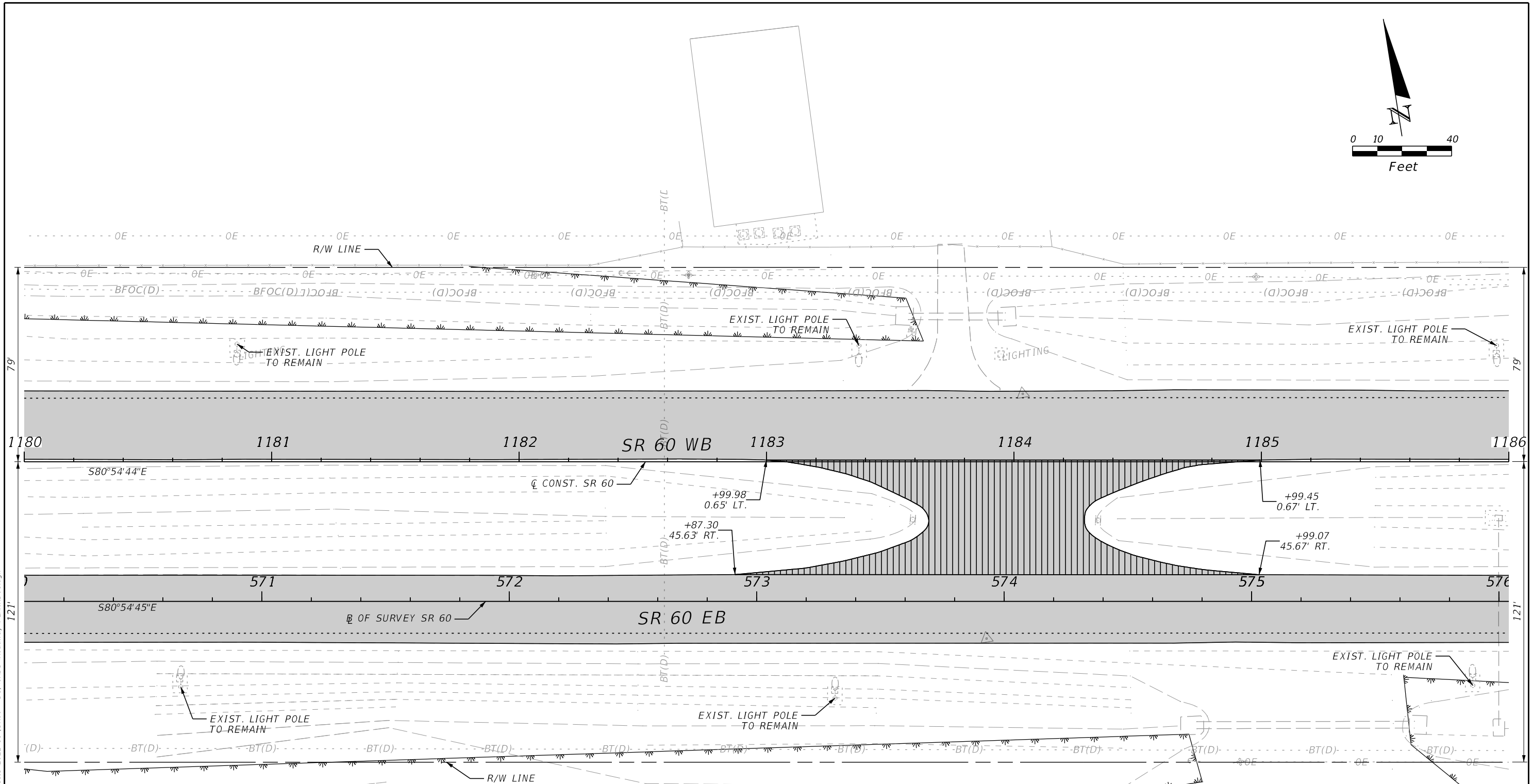
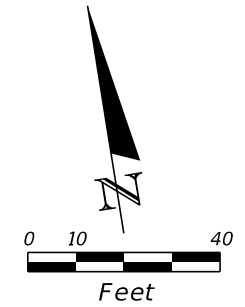
LEGEND

- PAVEMENT MILLING & RESURFACING
- WETLANDS

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		49
							SR 60	POLK	449276-1-52-01		



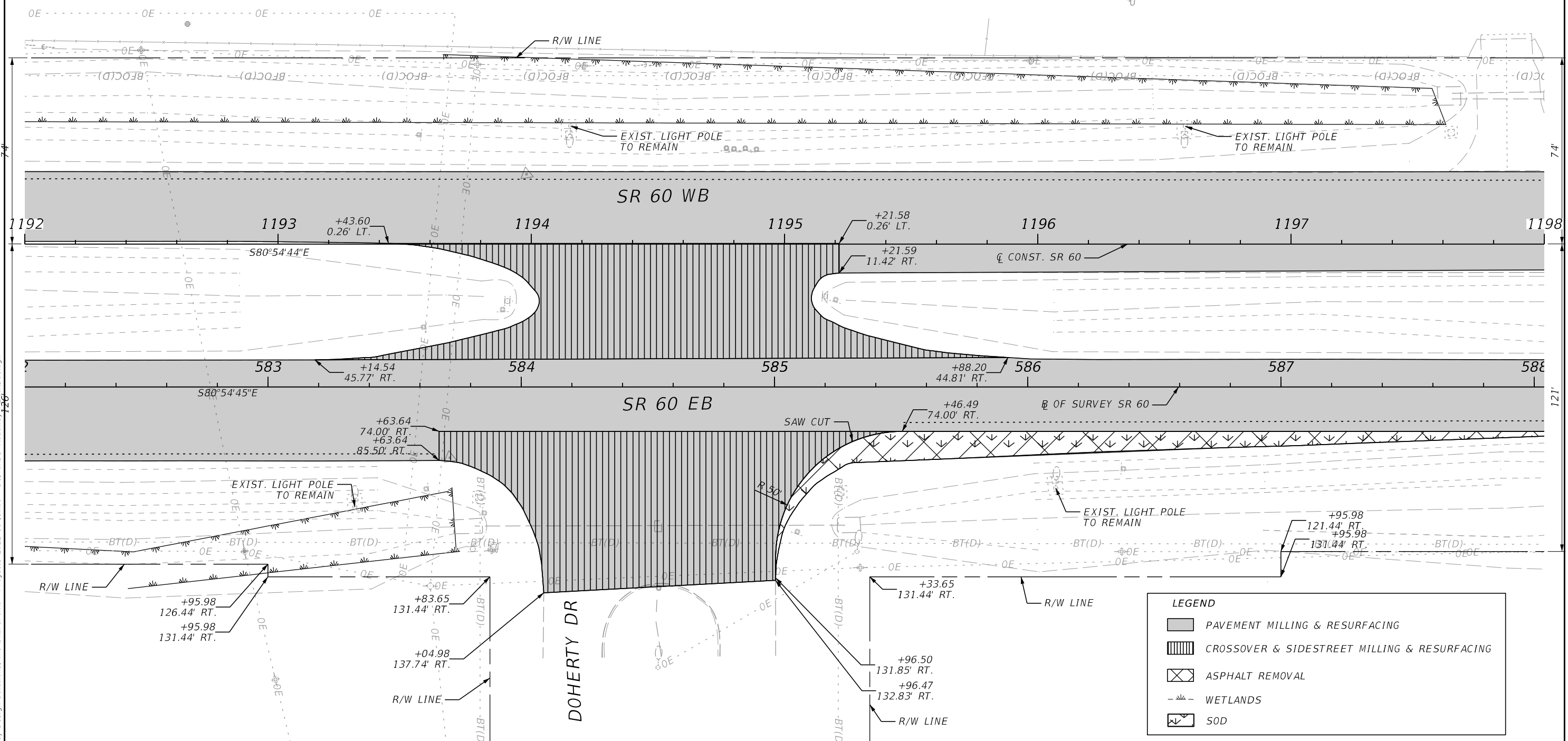
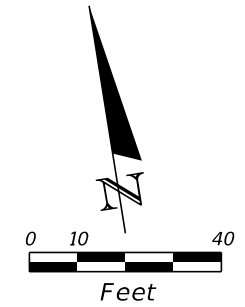
LEGEND

- PAVEMENT MILLING & RESURFACING
- WETLANDS
- CROSSOVER & SIDESTREET MILLING & RESURFACING

6/19/2024 3:56:16 PM rceliz C:\Users\ipitg\Roadway Design Solutions, Inc\SharePoint - Projects\2022-11 (SR60 - D)\CADD\Roadway\PLAN\RD01.dgn

REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 50
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 60	POLK	449276-1-52-01		

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

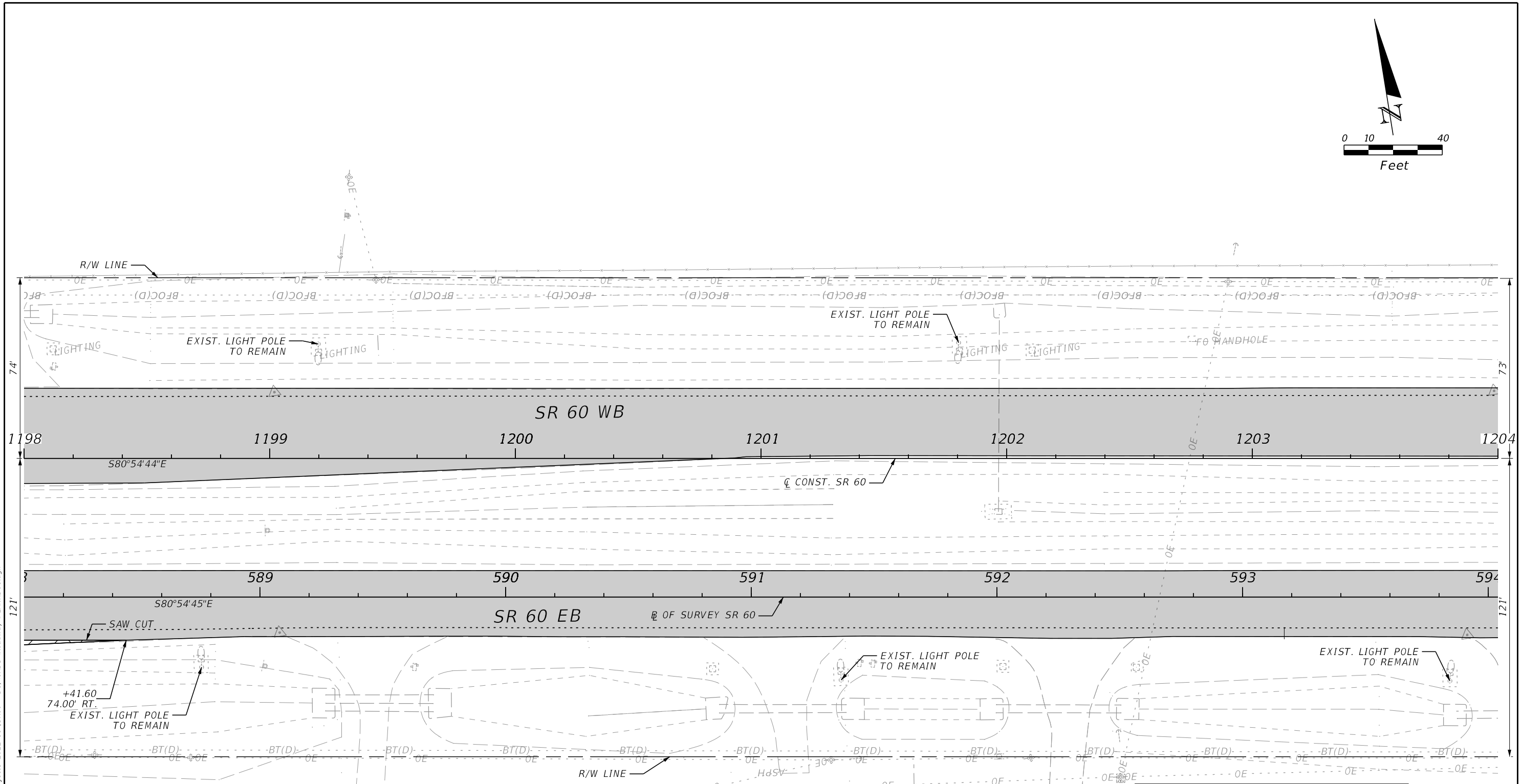
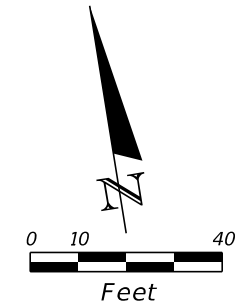


LEGEND	
	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING
	ASPHALT REMOVAL
	WETLANDS
	SOD

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 52	
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY			FINANCIAL PROJECT ID
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			SR 60	POLK			449276-1-52-01

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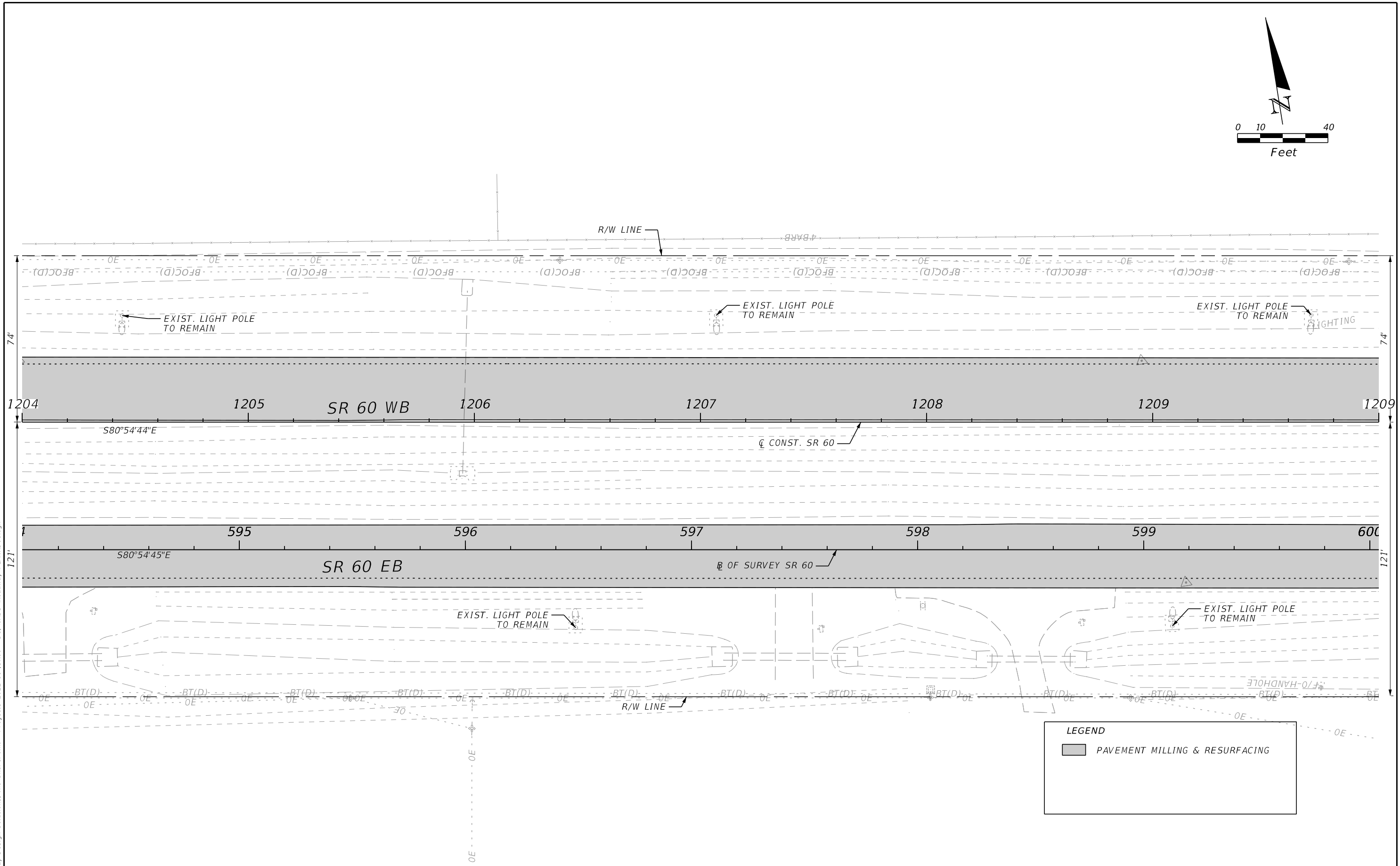
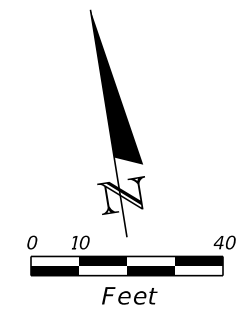


LEGEND	
	PAVEMENT MILLING & RESURFACING
	ASPHALT REMOVAL
	SOD

6/19/2024 3:56:26 PM rceliz
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		SR 60	POLK	449276-1-52-01		53



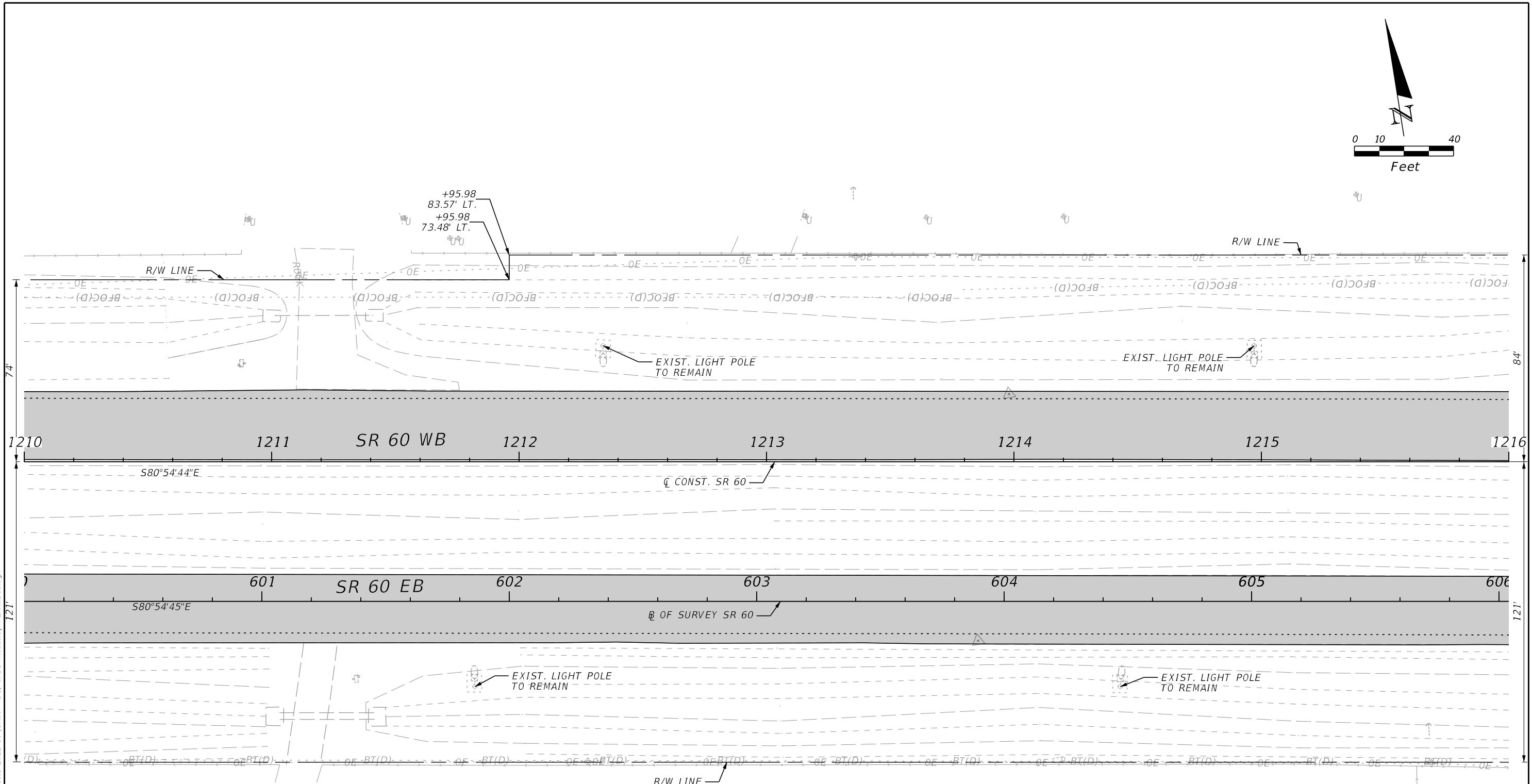
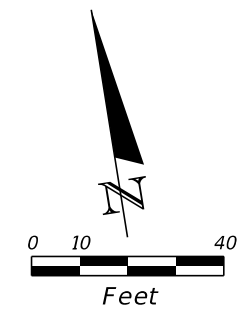
LEGEND

- PAVEMENT MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 54
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 60	POLK	449276-1-52-01		



LEGEND

PAVEMENT MILLING & RESURFACING

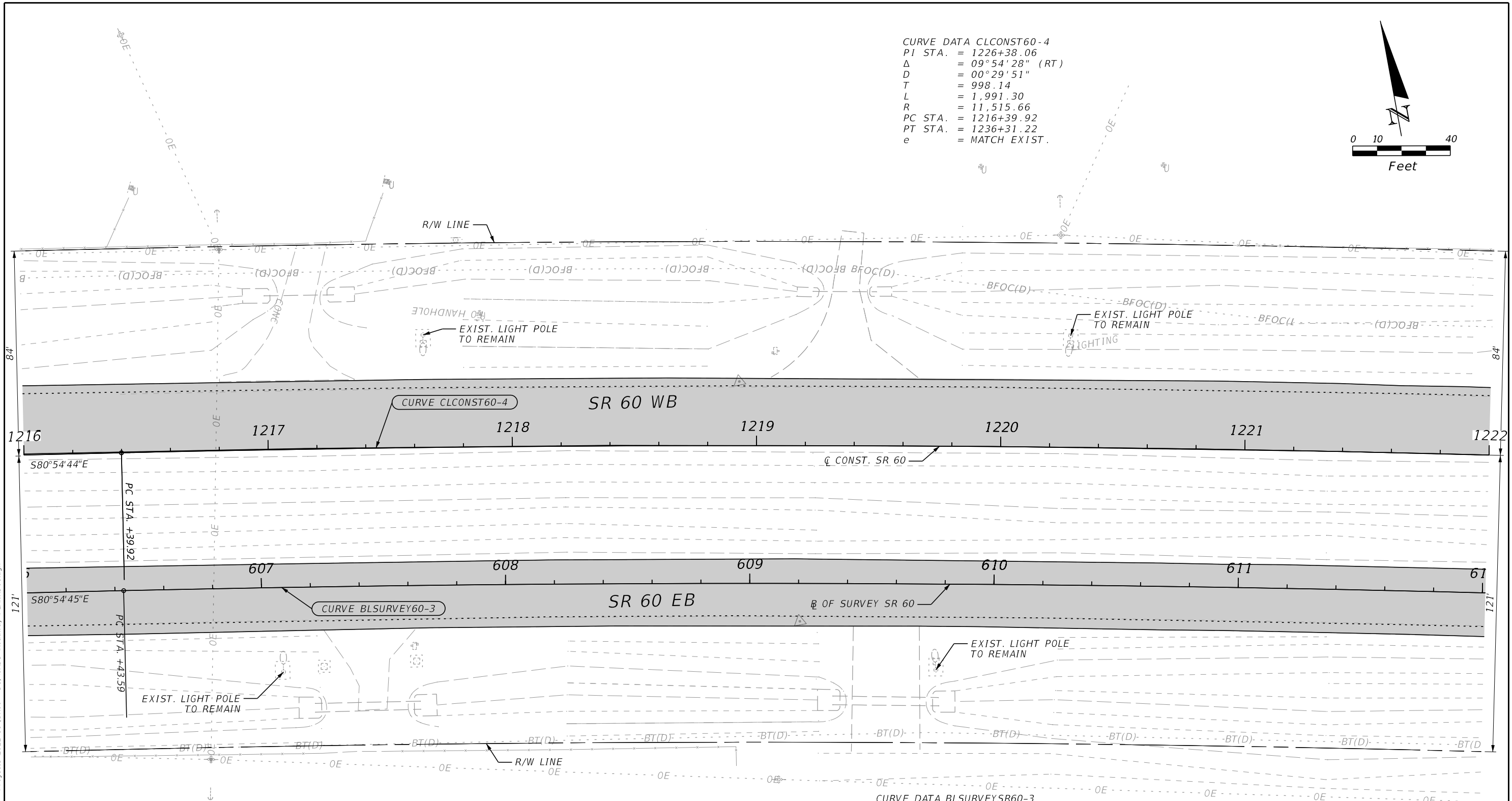
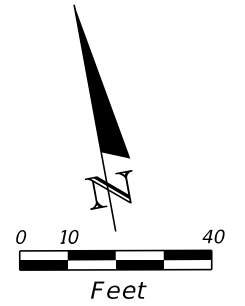
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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	POLK	449276-1-52-01	55

ROADWAY PLANS

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CURVE DATA CLCONST60-4
 PI STA. = 1226+38.06
 Δ = 09°54'28" (RT)
 D = 00°29'51"
 T = 998.14
 L = 1,991.30
 R = 11,515.66
 PC STA. = 1216+39.92
 PT STA. = 1236+31.22
 e = MATCH EXIST.



CURVE DATA BLSURVEYSR60-3
 PI STA. = 616+36.82
 Δ = 09°54'27" (RT)
 D = 01°38'25"
 T = 993.23
 L = 1,981.51
 R = 11,459.16
 PC STA. = 606+43.59
 PT STA. = 626+25.10
 e = N/A

LEGEND

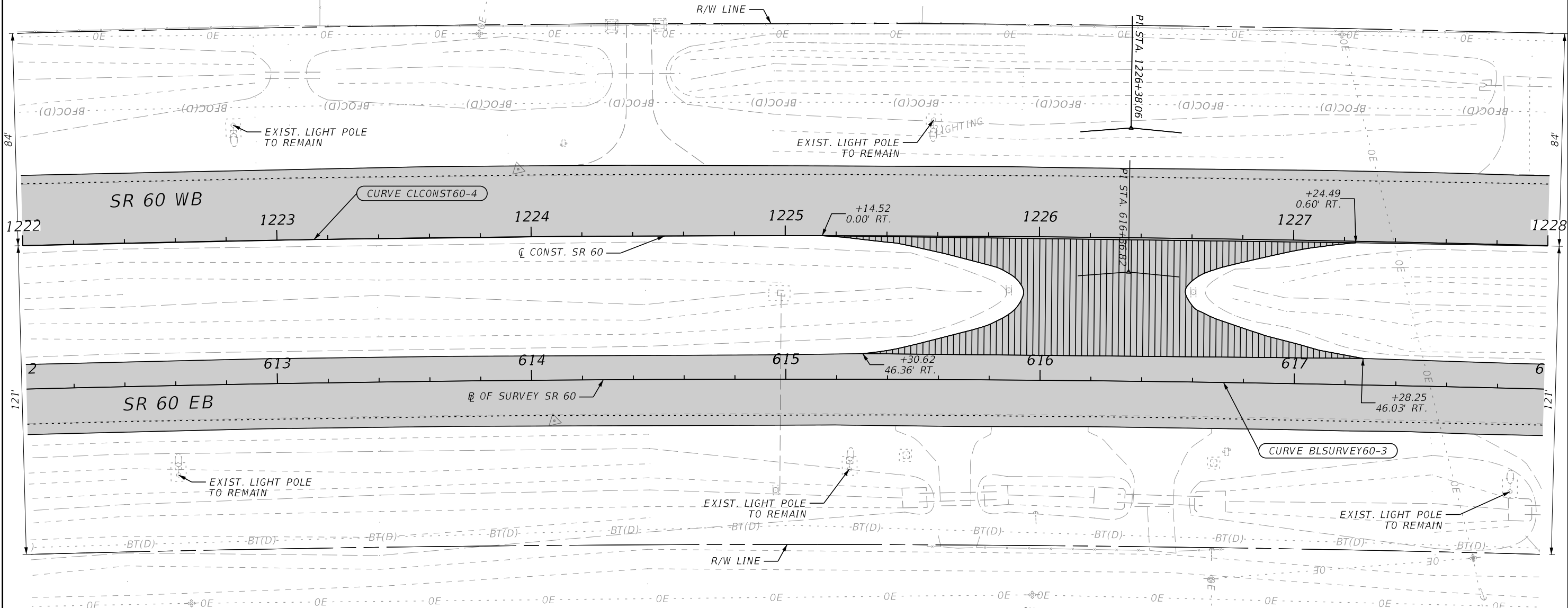
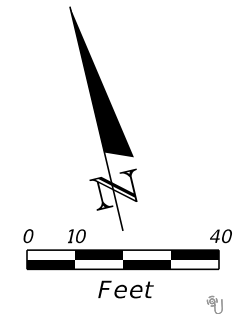
PAVEMENT MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 56
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

CURVE DATA CLCONST60-4
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 T = 998.14
 L = 1,991.30
 R = 11,515.66
 PC STA. = 1216+39.92
 PT STA. = 1236+31.22
 e = MATCH EXIST.



LEGEND	
	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING

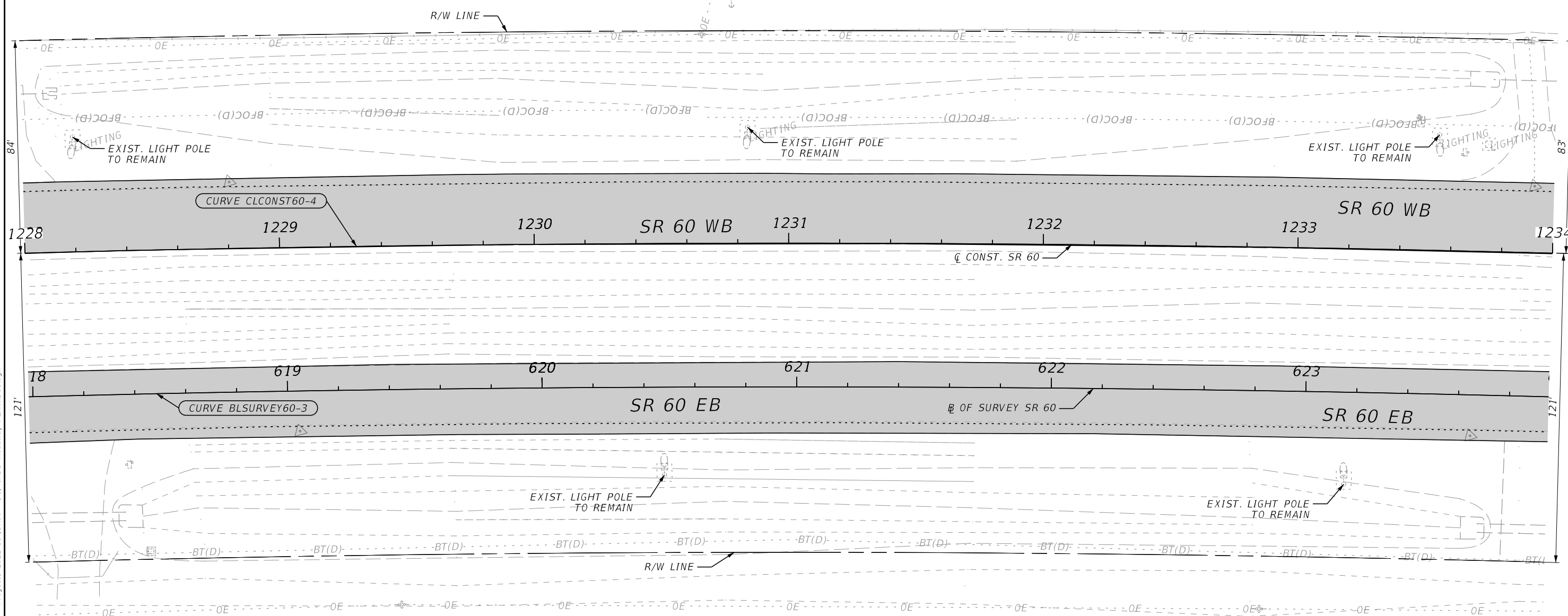
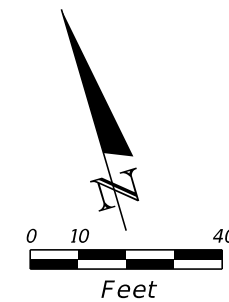
CURVE DATA BLSURVEYSR60-3
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 Δ = 09°54'27" (RT)
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 L = 1,981.51
 R = 11,459.16
 PC STA. = 606+43.59
 PT STA. = 626+25.10
 e = N/A

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 57
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

CURVE DATA CLCONST60-4
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 Δ = 09°54'28" (RT)
 D = 00°29'51"
 T = 998.14
 L = 1,991.30
 R = 11,515.66
 PC STA. = 1216+39.92
 PT STA. = 1236+31.22
 e = MATCH EXIST.



CURVE DATA BLSURVEYSR60-3
 PI STA. = 616+36.82
 Δ = 09°54'27" (RT)
 D = 01°38'25"
 T = 993.23
 L = 1,981.51
 R = 11,459.16
 PC STA. = 606+43.59
 PT STA. = 626+25.10
 e = N/A

LEGEND

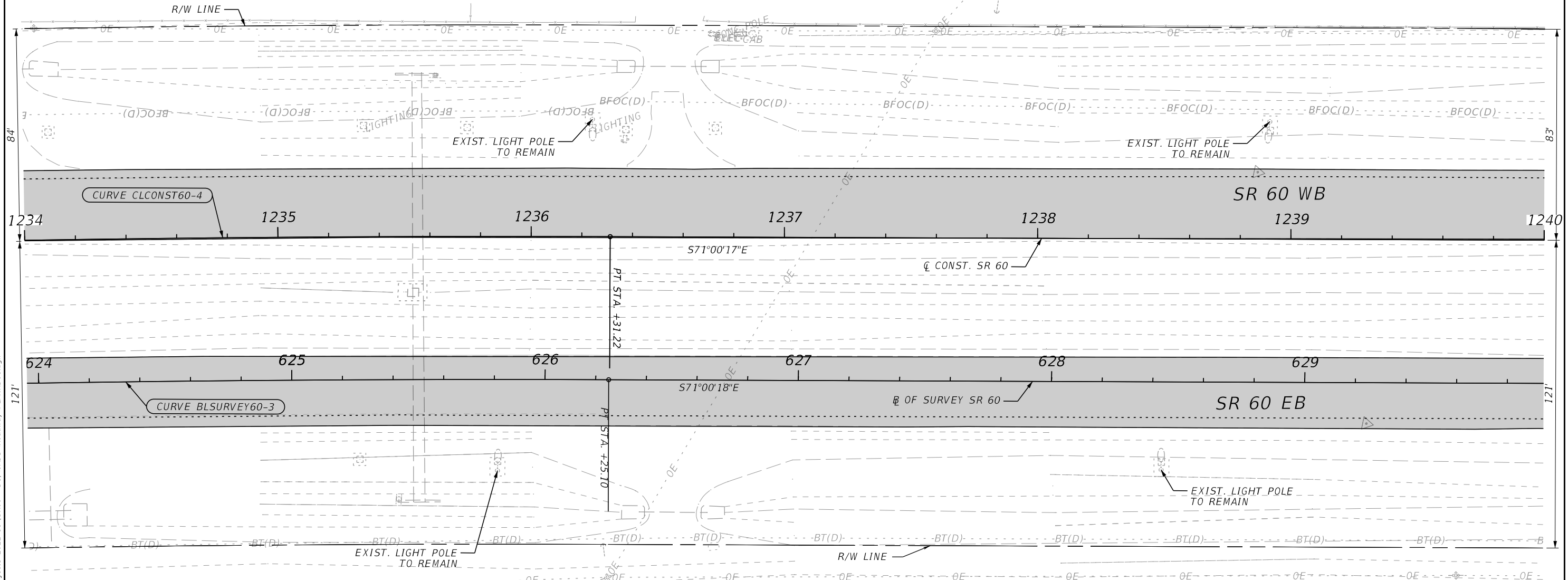
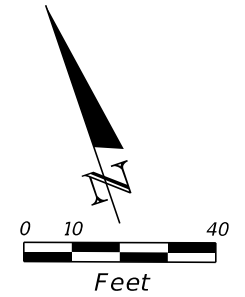
PAVEMENT MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 58
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 60	POLK	449276-1-52-01					

CURVE DATA CLCONST60-4
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 Δ = 09°54'28" (RT)
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 T = 998.14
 L = 1,991.30
 R = 11,515.66
 PC STA. = 1216+39.92
 PT STA. = 1236+31.22
 e = MATCH EXIST.



CURVE DATA BLSURVEYSR60-3
 PI STA. = 616+36.82
 Δ = 09°54'27" (RT)
 D = 01°38'25"
 T = 993.23
 L = 1,981.51
 R = 11,459.16
 PC STA. = 606+43.59
 PT STA. = 626+25.10
 e = N/A

LEGEND

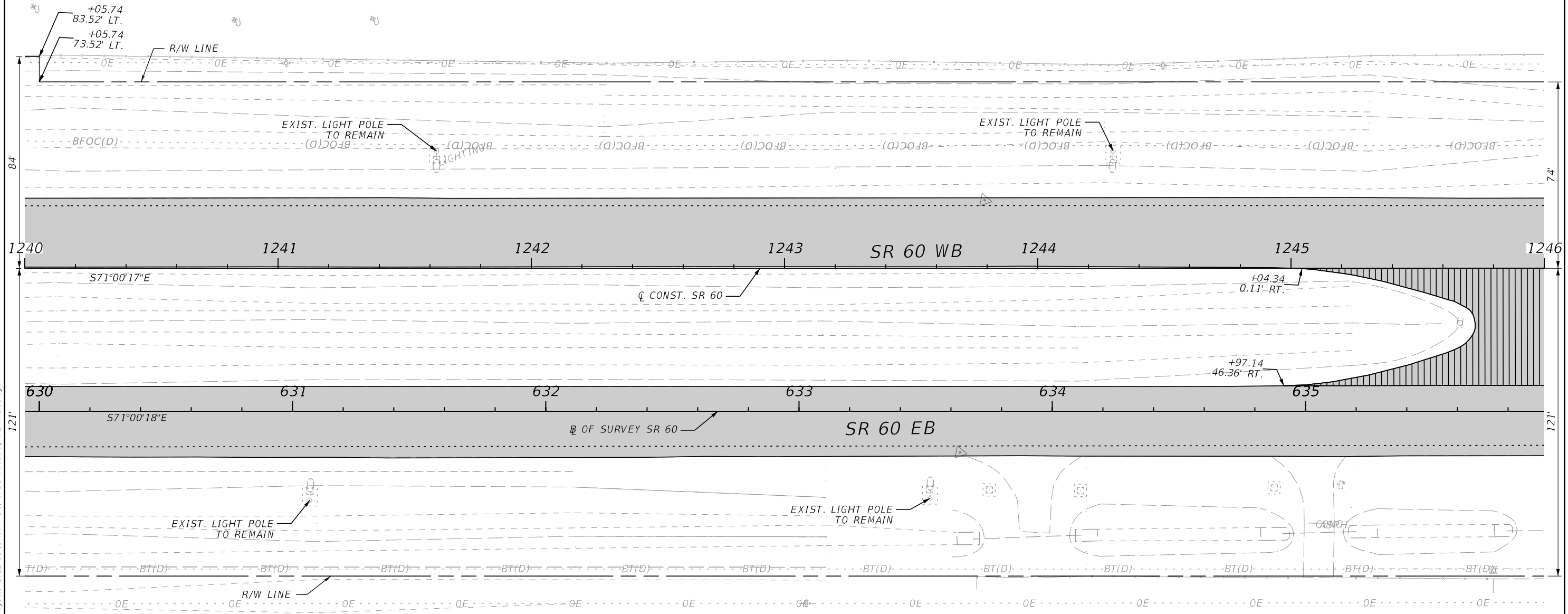
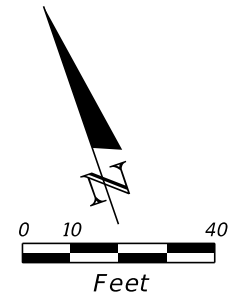
PAVEMENT MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	POLK	449276-1-52-01	

ROADWAY PLANS

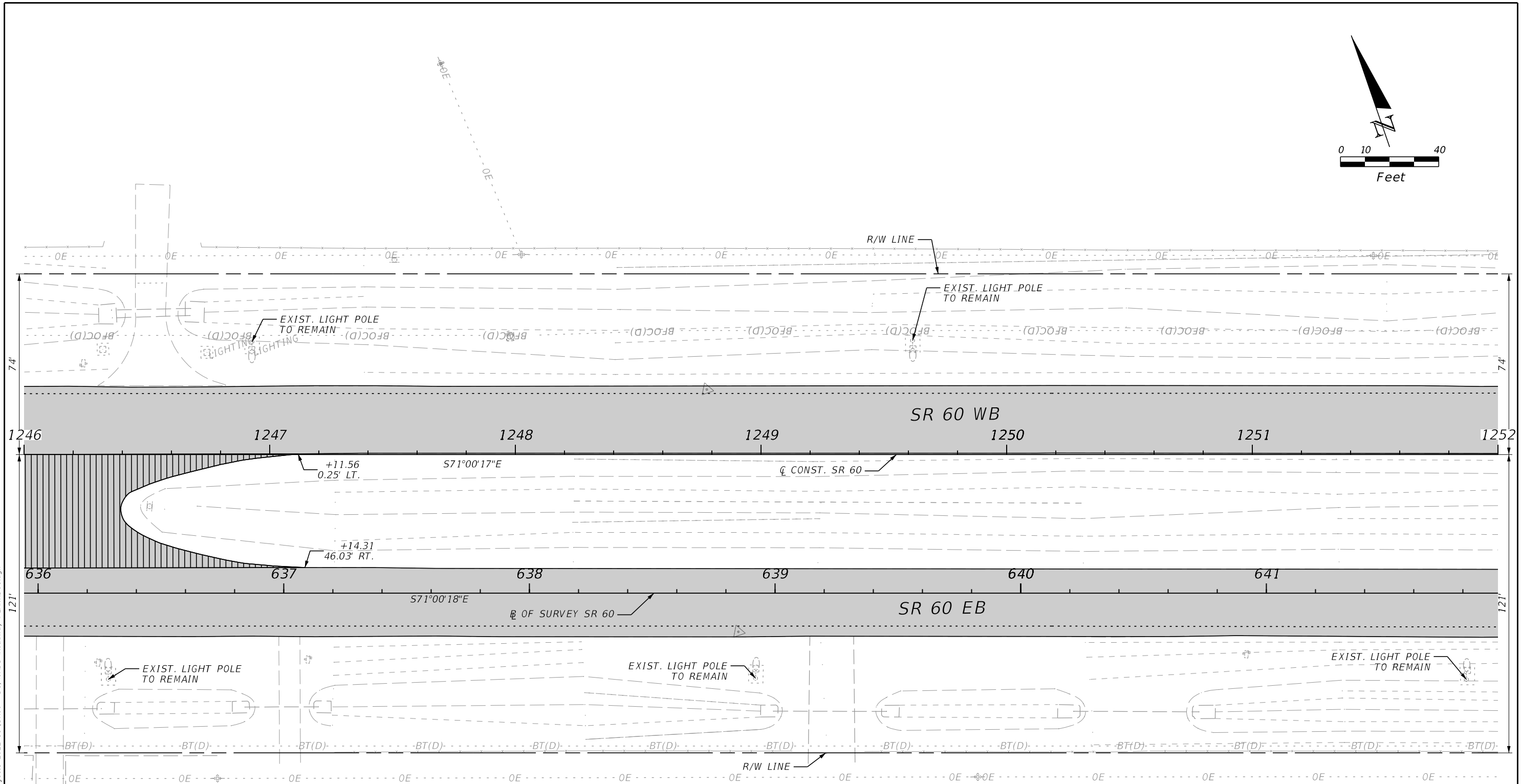
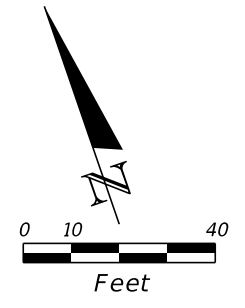


LEGEND	
	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		60

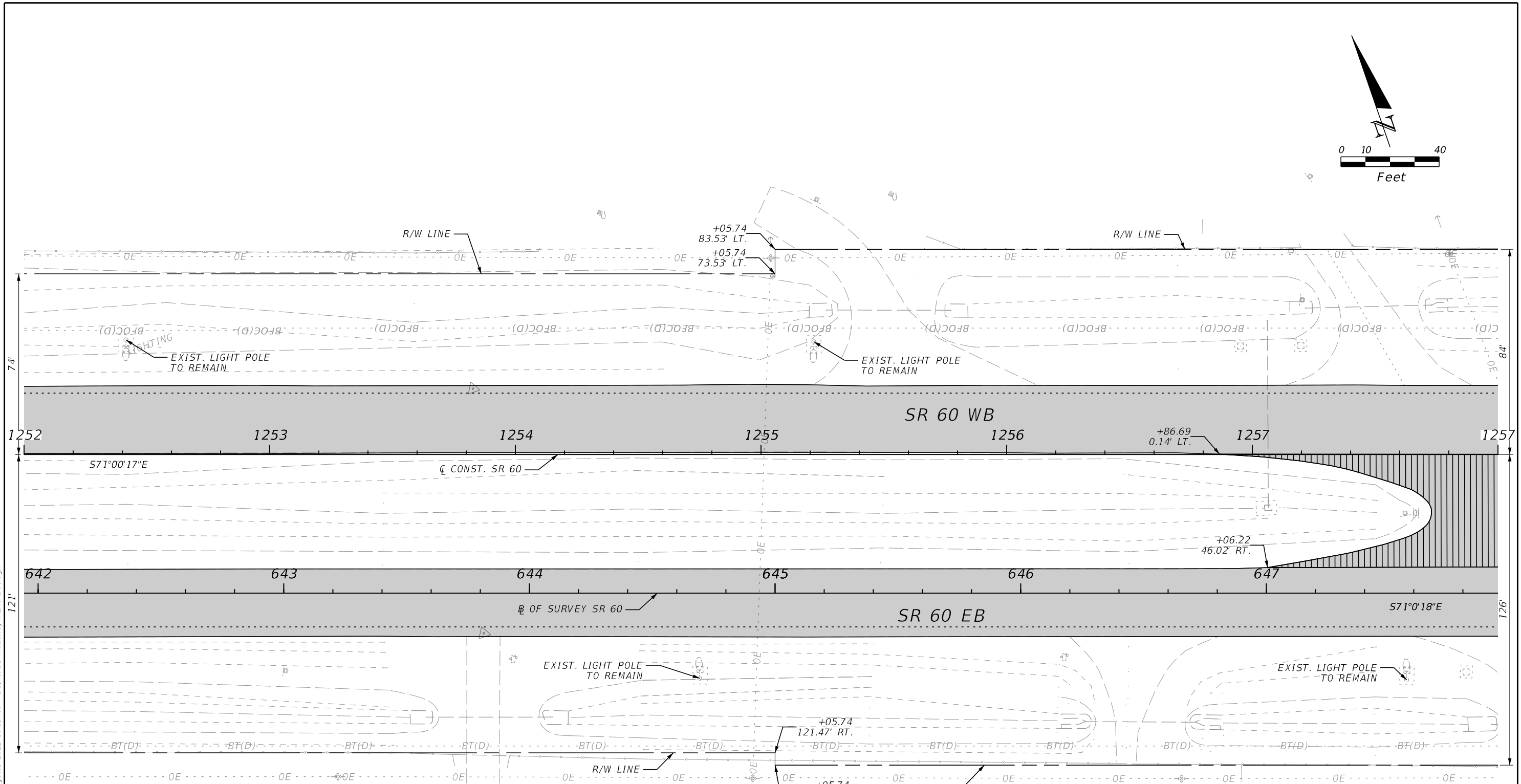
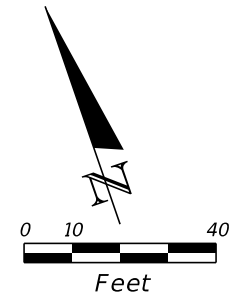


LEGEND	
	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 61
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		



LEGEND	
	PAVEMENT MILLING & RESURFACING
	CROSSOVER & SIDESTREET MILLING & RESURFACING

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

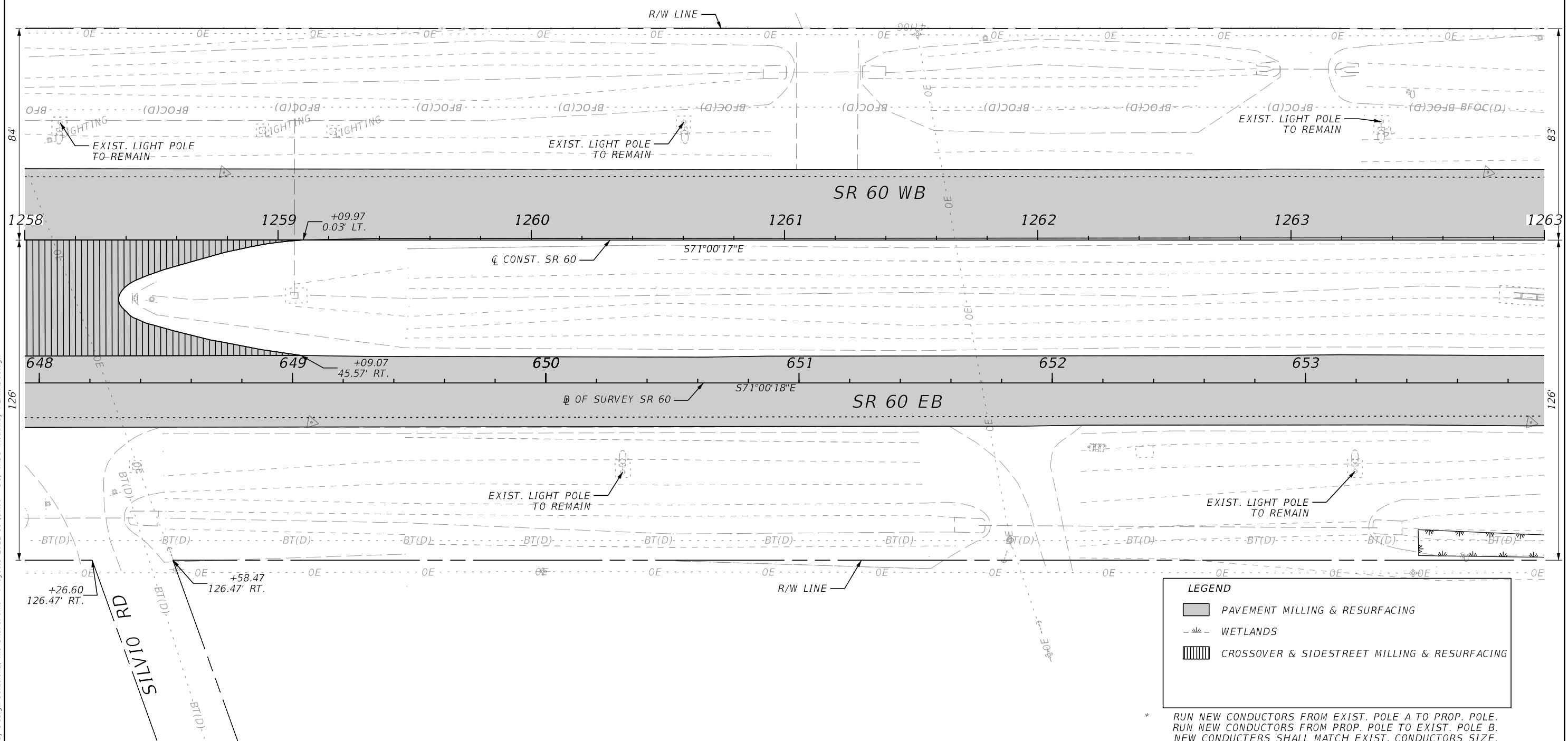
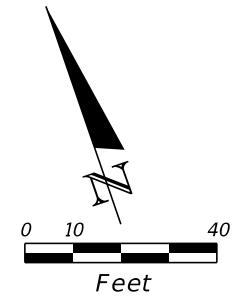
ENGINEER OF RECORD
 RICARDO A. CASTRO, P.E.
 LICENSE NUMBER: 68294
 ROADWAY DESIGN SOLUTIONS, INC.
 8600 NW 17TH STREET, SUITE 145
 DORAL, FL 33126

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

ROADWAY PLANS

SHEET NO.
62

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LEGEND

- PAVEMENT MILLING & RESURFACING
- WETLANDS
- CROSSOVER & SIDESTREET MILLING & RESURFACING

* RUN NEW CONDUCTORS FROM EXIST. POLE A TO PROP. POLE.
 RUN NEW CONDUCTORS FROM PROP. POLE TO EXIST. POLE B.
 NEW CONDUCTERS SHALL MATCH EXIST. CONDUCTORS SIZE.

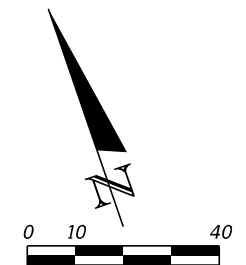
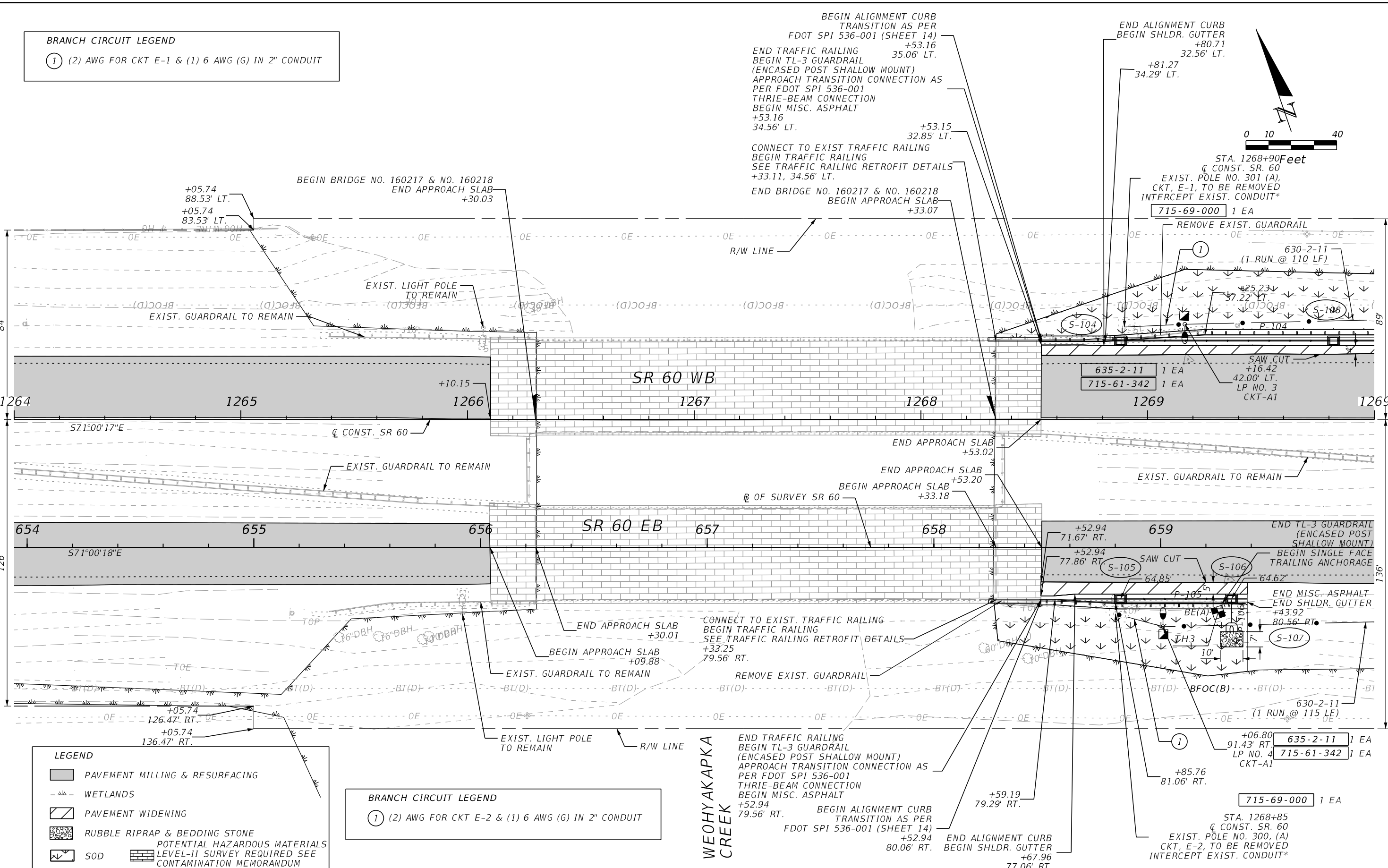
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 63
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

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BRANCH CIRCUIT LEGEND

(1) (2) AWG FOR CKT E-1 & (1) 6 AWG (G) IN 2" CONDUIT



LEGEND

- PAVEMENT MILLING & RESURFACING
- WETLANDS
- PAVEMENT WIDENING
- RUBBLE RIPRAP & BEDDING STONE
- POTENTIAL HAZARDOUS MATERIALS LEVEL-II SURVEY REQUIRED SEE CONTAMINATION MEMORANDUM
- SOD

BRANCH CIRCUIT LEGEND

(1) (2) AWG FOR CKT E-2 & (1) 6 AWG (G) IN 2" CONDUIT

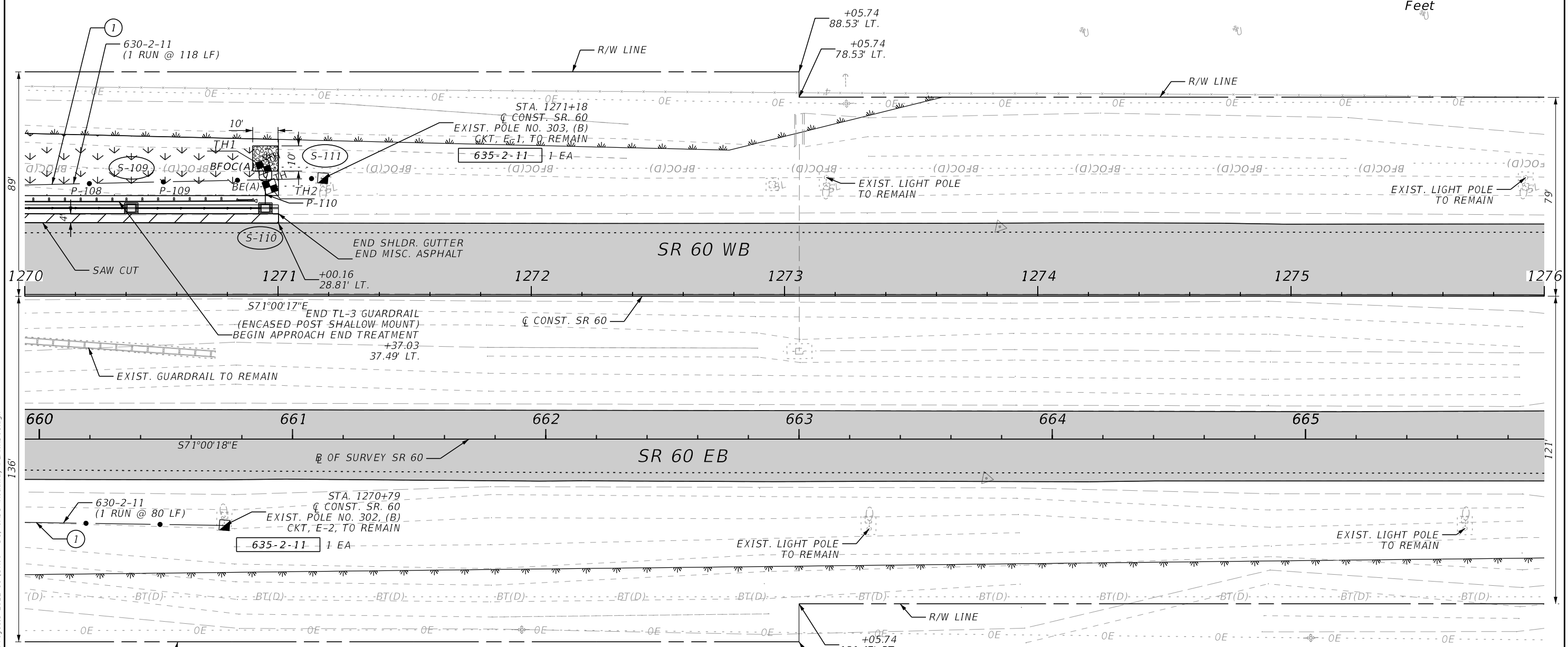
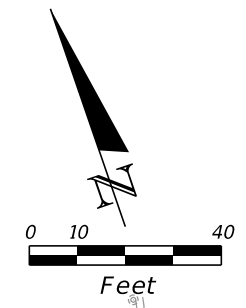
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REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 60	POLK	449276-1-52-01	64	
<p>RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126</p>								

BRANCH CIRCUIT LEGEND

① (2) AWG FOR CKT E-1 & (1) 6 AWG (G) IN 2" CONDUIT



BRANCH CIRCUIT LEGEND

① (2) AWG FOR CKT E-2 & (1) 6 AWG (G) IN 2" CONDUIT

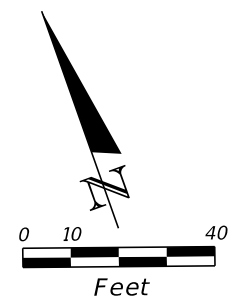
LEGEND

- PAVEMENT MILLING & RESURFACING
- WETLANDS
- PAVEMENT WIDENING
- RUBBLE RIPRAP & BEDDING STONE
- SOD

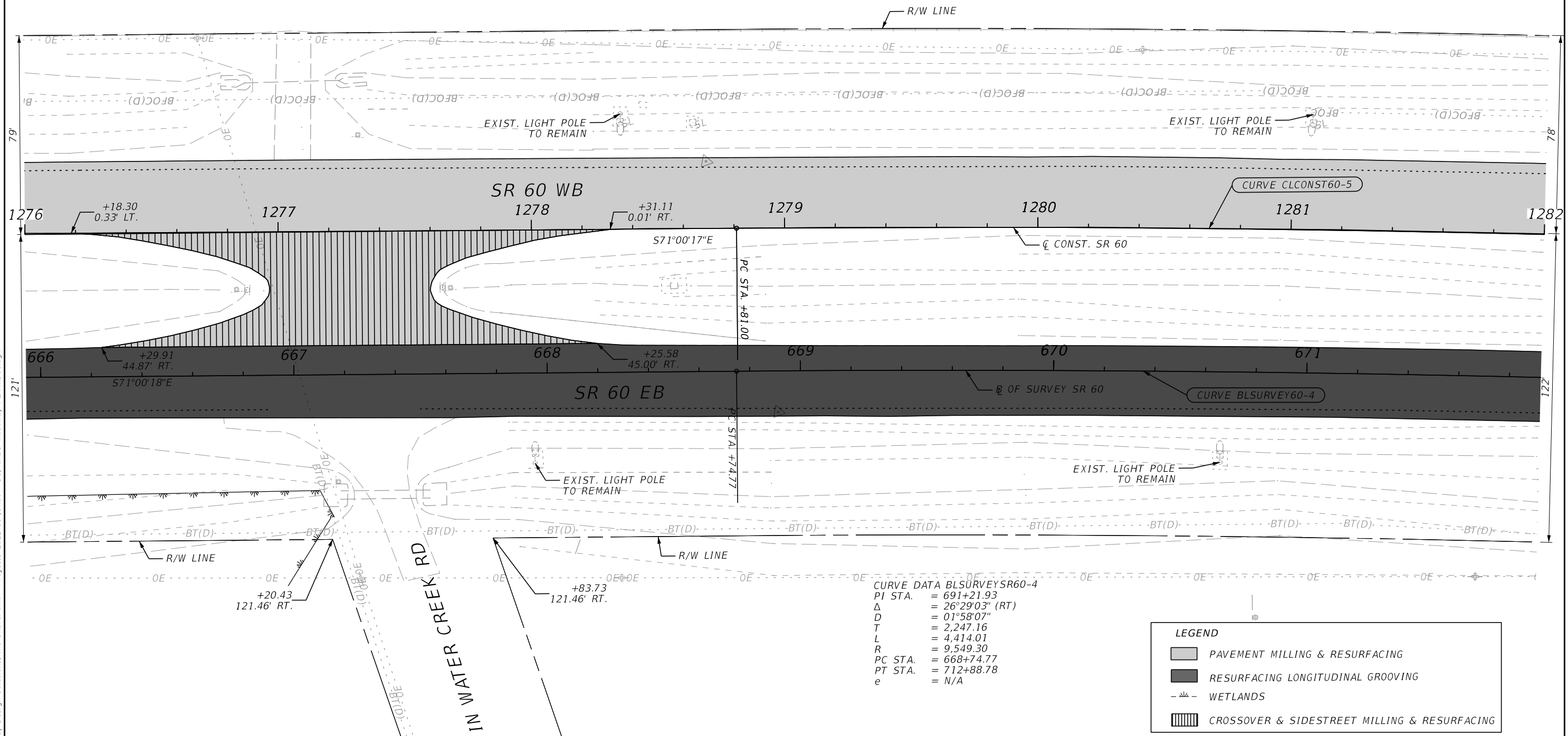
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 60	POLK	449276-1-52-01	
ROADWAY PLANS									65



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 PC STA. = 1278+81.00
 PT STA. = 1323+21.22
 e = MATCH EXIST.



CURVE DATA BLSURVEYSR60-4
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 PC STA. = 668+74.77
 PT STA. = 712+88.78
 e = N/A

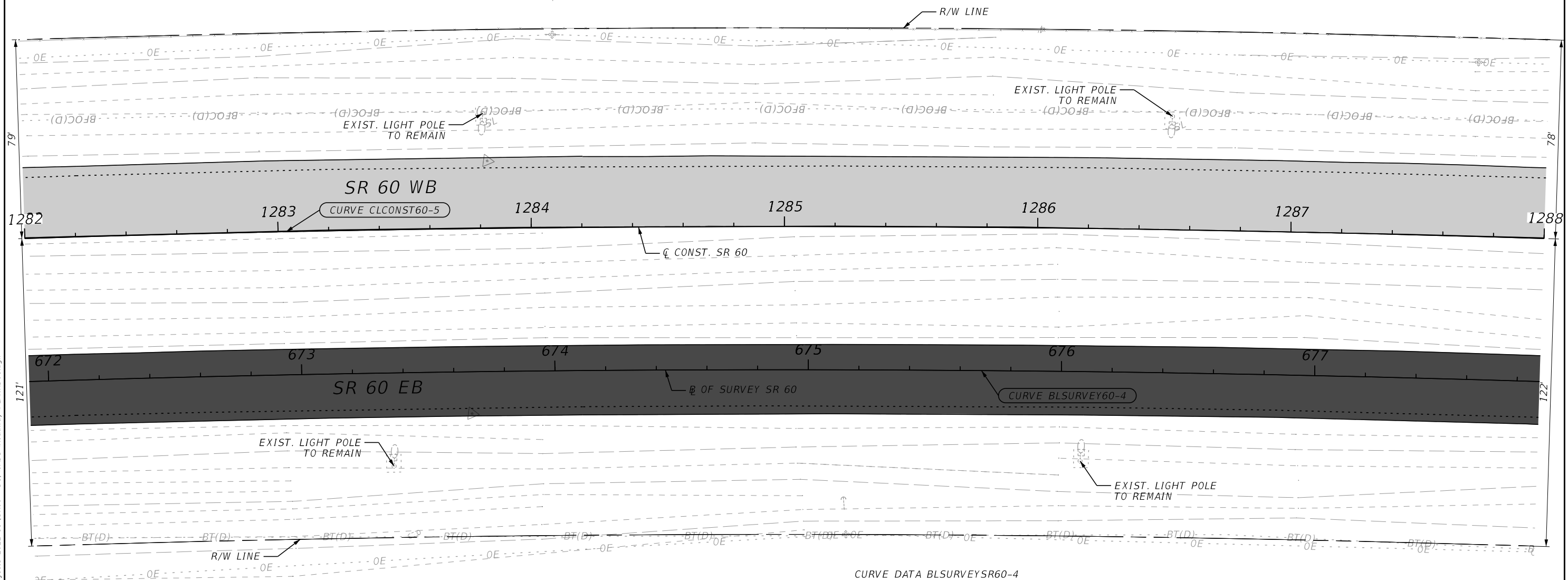
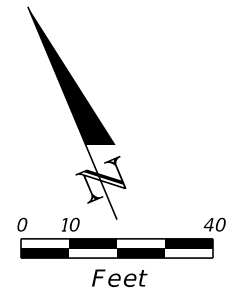
LEGEND	
	PAVEMENT MILLING & RESURFACING
	RESURFACING LONGITUDINAL GROOVING
	WETLANDS
	CROSSOVER & SIDESTREET MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 66
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

CURVE DATA CLCONSTSR60-5
 PI STA. = 1301+41.51
 Δ = 26°29'05" (RT)
 D = 00°35'47"
 T = 2,260.50
 L = 4,440.22
 R = 9,605.80
 PC STA. = 1278+81.00
 PT STA. = 1323+21.22
 e = MATCH EXIST.



CURVE DATA BLSURVEYSR60-4
 PI STA. = 691+21.93
 Δ = 26°29'03" (RT)
 D = 01°58'07"
 T = 2,247.16
 L = 4,414.01
 R = 9,549.30
 PC STA. = 668+74.77
 PT STA. = 712+88.78
 e = N/A

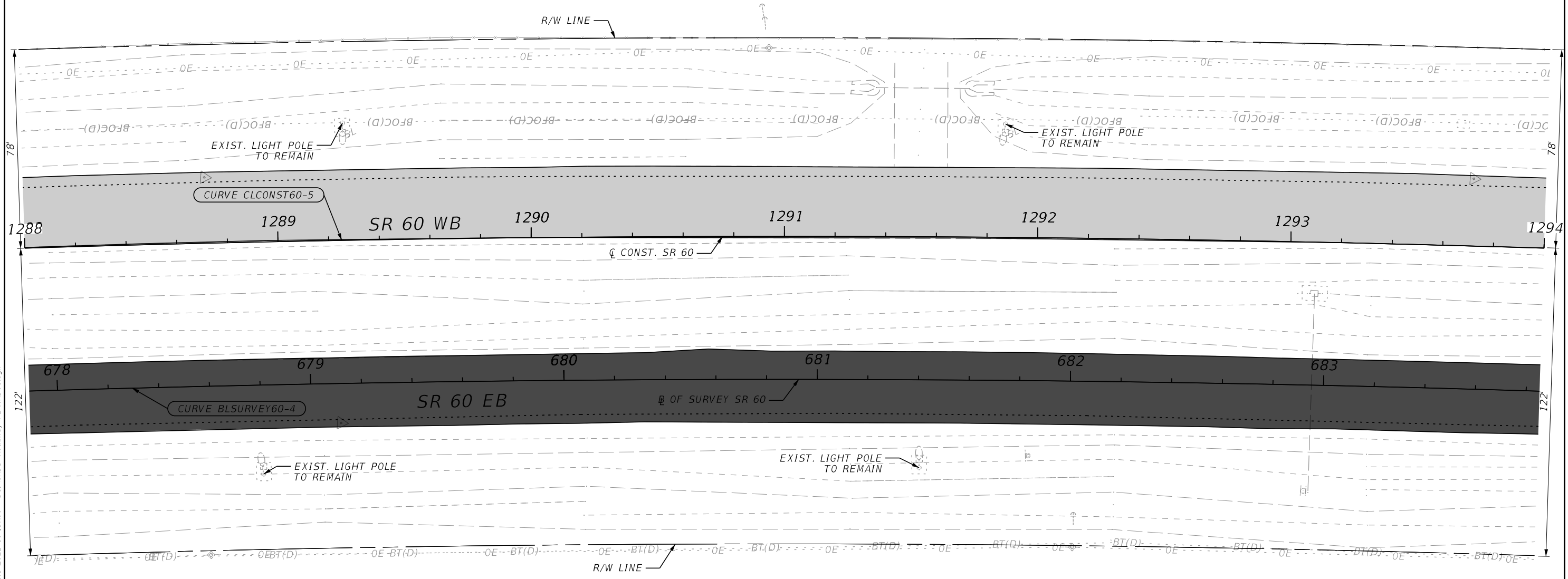
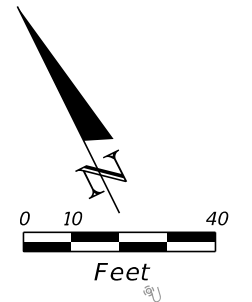
LEGEND	
	PAVEMENT MILLING & RESURFACING
	RESURFACING LONGITUDINAL GROOVING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 67
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

CURVE DATA CLCONSTSR60-5
 PI STA. = 1301+41.51
 Δ = 26°29'05" (RT)
 D = 00°35'47"
 T = 2,260.50
 L = 4,440.22
 R = 9,605.80
 PC STA. = 1278+81.00
 PT STA. = 1323+21.22
 e = MATCH EXIST.



CURVE DATA BLSURVEYSR60-4
 PI STA. = 691+21.93
 Δ = 26°29'03" (RT)
 D = 01°58'07"
 T = 2,247.16
 L = 4,414.01
 R = 9,549.30
 PC STA. = 668+74.77
 PT STA. = 712+88.78
 e = N/A

LEGEND	
	PAVEMENT MILLING & RESURFACING
	RESURFACING LONGITUDINAL GROOVING

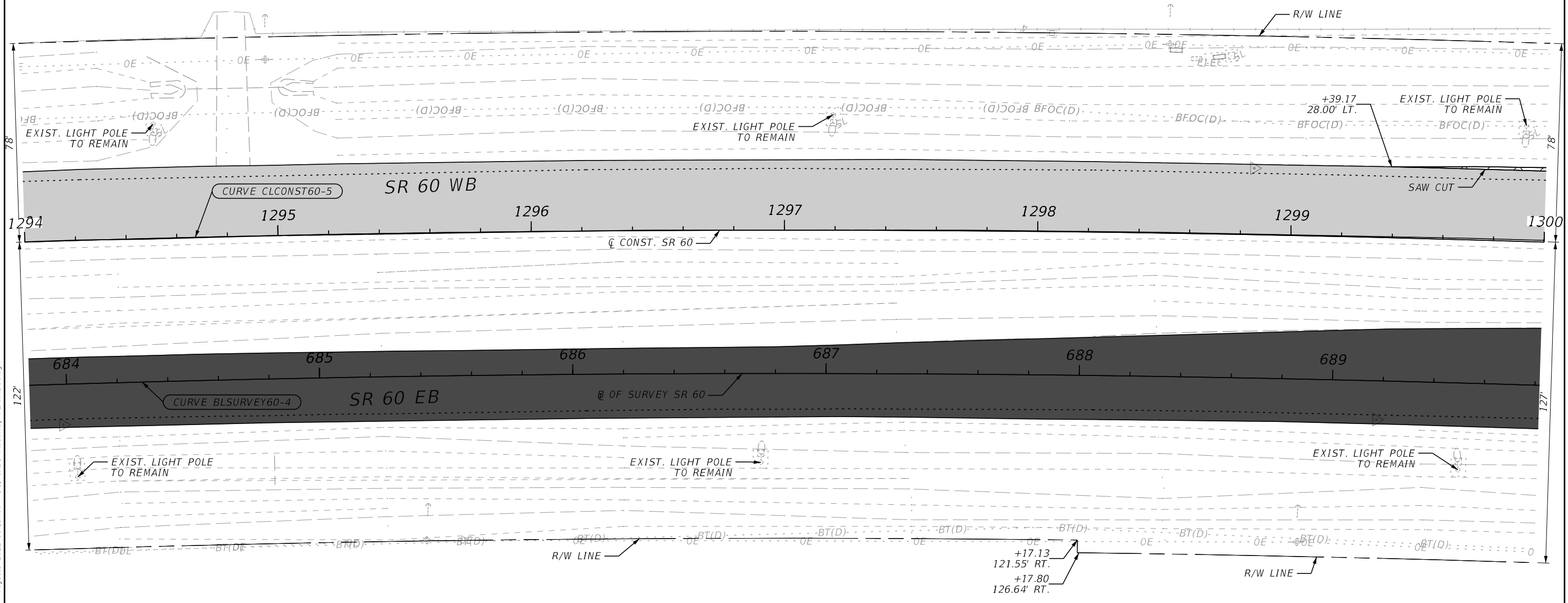
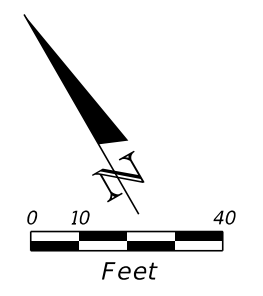
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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	POLK	449276-1-52-01	68

ROADWAY PLANS

CURVE DATA CLCONSTSR60-5
 PI STA. = 1301+41.51
 Δ = 26°29'05" (RT)
 D = 00°35'47"
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 L = 4,440.22
 R = 9,605.80
 PC STA. = 1278+81.00
 PT STA. = 1323+21.22
 e = MATCH EXIST.



CURVE DATA BLSURVEYSR60-4
 PI STA. = 691+21.93
 Δ = 26°29'03" (RT)
 D = 01°58'07"
 T = 2,247.16
 L = 4,414.01
 R = 9,549.30
 PC STA. = 668+74.77
 PT STA. = 712+88.78
 e = N/A

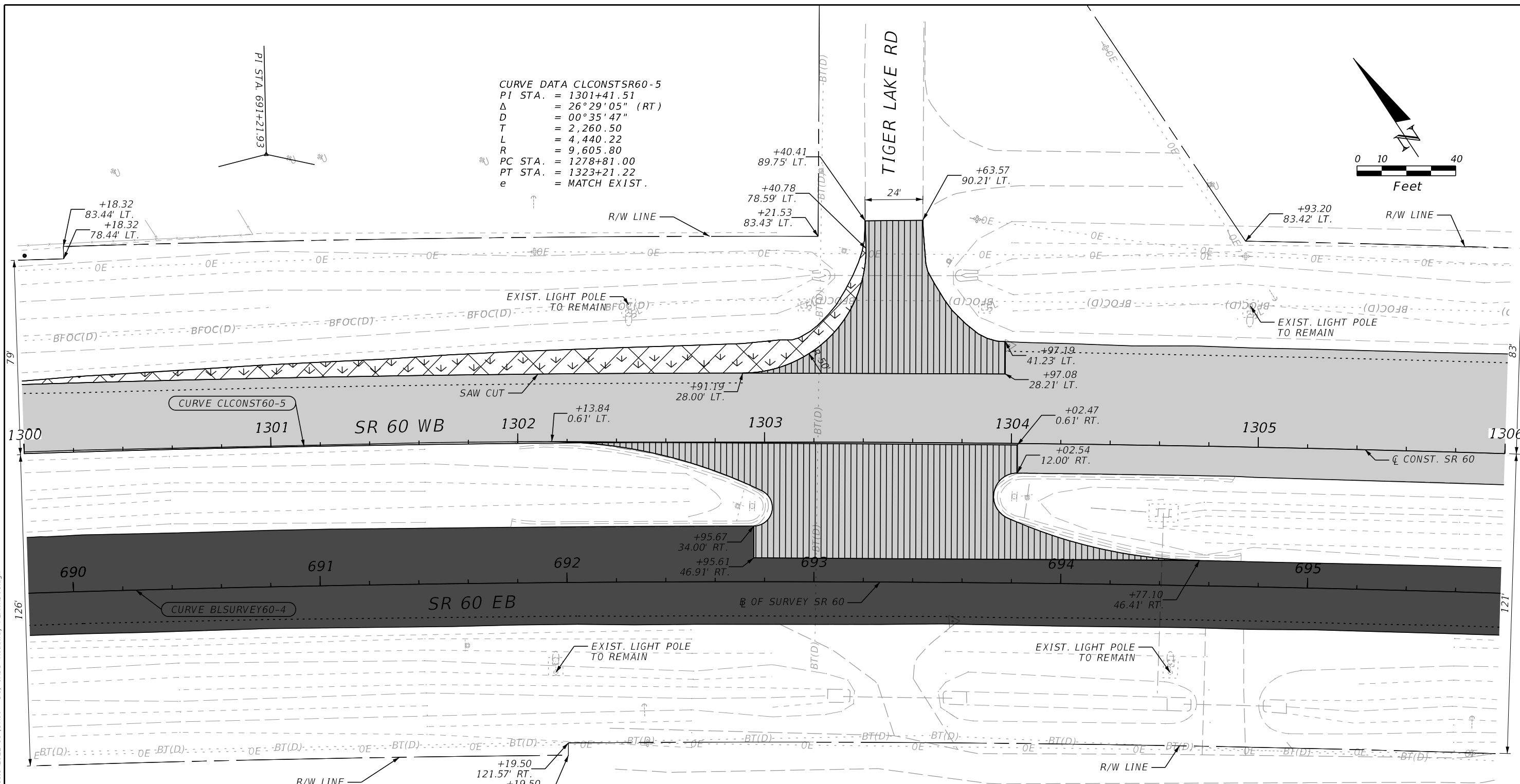
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	PAVEMENT MILLING & RESURFACING
	RESURFACING LONGITUDINAL GROOVING
	ASPHALT REMOVAL
	SOD

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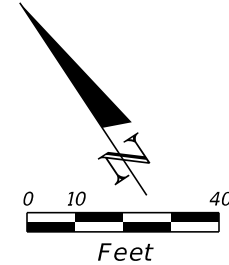
REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 69
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 60	POLK	449276-1-52-01					

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CURVE DATA CLCONSTSR60-5
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 Δ = 26°29'05" (RT)
 D = 00°35'47"
 T = 2,260.50
 L = 4,440.22
 R = 9,605.80
 PC STA. = 1278+81.00
 PT STA. = 1323+21.22
 e = MATCH EXIST.

CURVE DATA BLSURVEYSR60-4
 PI STA. = 691+21.93
 Δ = 26°29'03" (RT)
 D = 01°58'07"
 T = 2,247.16
 L = 4,414.01
 R = 9,549.30
 PC STA. = 668+74.77
 PT STA. = 712+88.78
 e = N/A

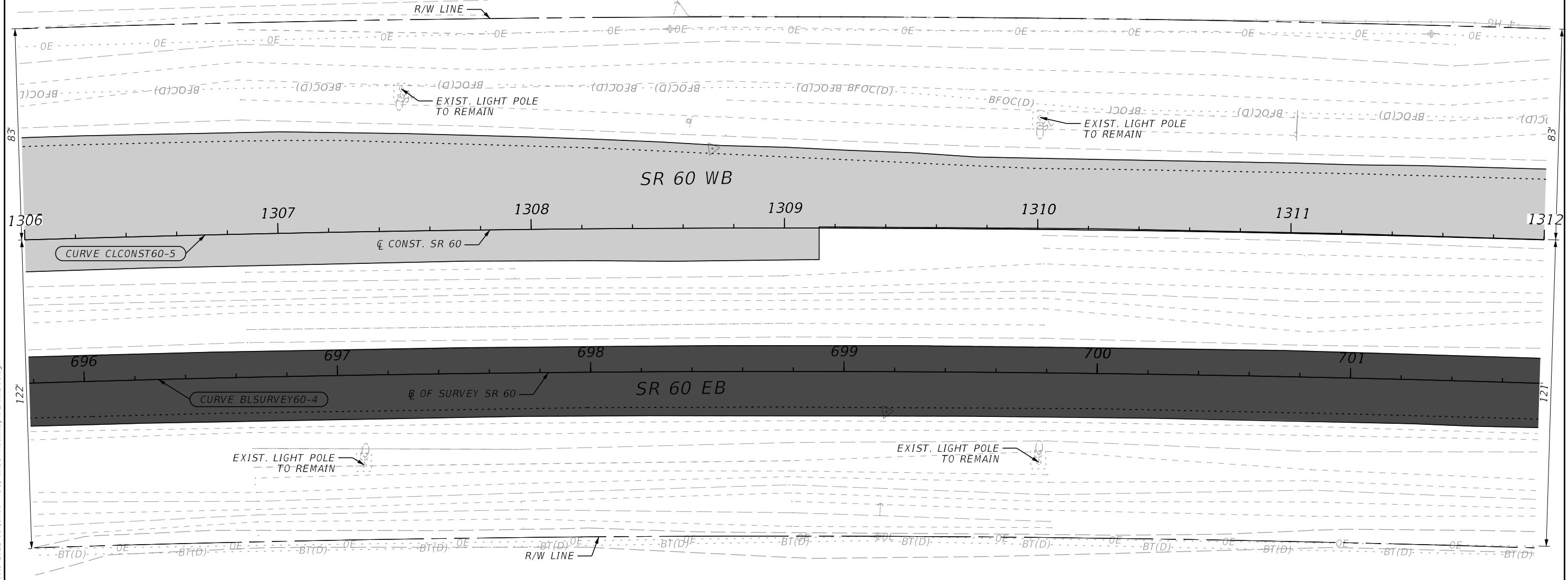
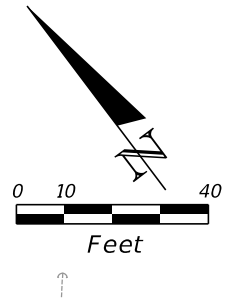


LEGEND	
	PAVEMENT MILLING & RESURFACING
	RESURFACING LONGITUDINAL GROOVING
	CROSSOVER & SIDESTREET MILLING & RESURFACING
	ASPHALT REMOVAL
	SOD



REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 70
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

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CURVE DATA CLCONSTSR60-5
 PI STA. = 1301+41.51
 Δ = 26°29'05" (RT)
 D = 00°35'47"
 T = 2,260.50
 L = 4,440.22
 R = 9,605.80
 PC STA. = 1278+81.00
 PT STA. = 1323+21.22
 e = MATCH EXIST.



CURVE DATA BLSURVEYSR60-4
 PI STA. = 691+21.93
 Δ = 26°29'03" (RT)
 D = 01°58'07"
 T = 2,247.16
 L = 4,414.01
 R = 9,549.30
 PC STA. = 668+74.77
 PT STA. = 712+88.78
 e = N/A

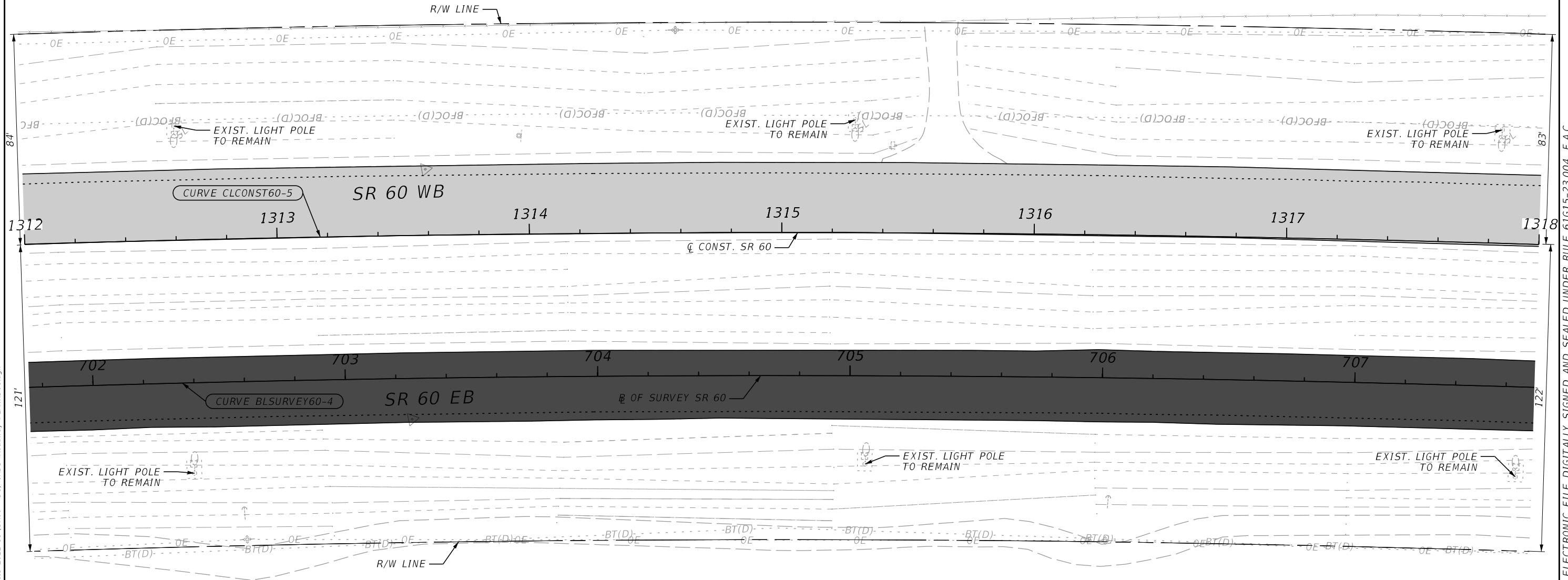
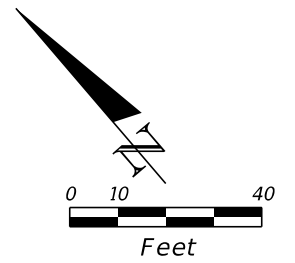
LEGEND	
	PAVEMENT MILLING & RESURFACING
	RESURFACING LONGITUDINAL GROOVING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 71
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

CURVE DATA CLCONSTSR60-5
 PI STA. = 1301+41.51
 Δ = 26°29'05" (RT)
 D = 00°35'47"
 T = 2,260.50
 L = 4,440.22
 R = 9,605.80
 PC STA. = 1278+81.00
 PT STA. = 1323+21.22
 e = MATCH EXIST.



CURVE DATA BLSURVEYSR60-4
 PI STA. = 691+21.93
 Δ = 26°29'03" (RT)
 D = 01°58'07"
 T = 2,247.16
 L = 4,414.01
 R = 9,549.30
 PC STA. = 668+74.77
 PT STA. = 712+88.78
 e = N/A

LEGEND	
	PAVEMENT MILLING & RESURFACING
	RESURFACING LONGITUDINAL GROOVING

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REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD
 RICARDO A. CASTRO, P.E.
 LICENSE NUMBER: 68294
 ROADWAY DESIGN SOLUTIONS, INC.
 8600 NW 17TH STREET, SUITE 145
 DORAL, FL 33126

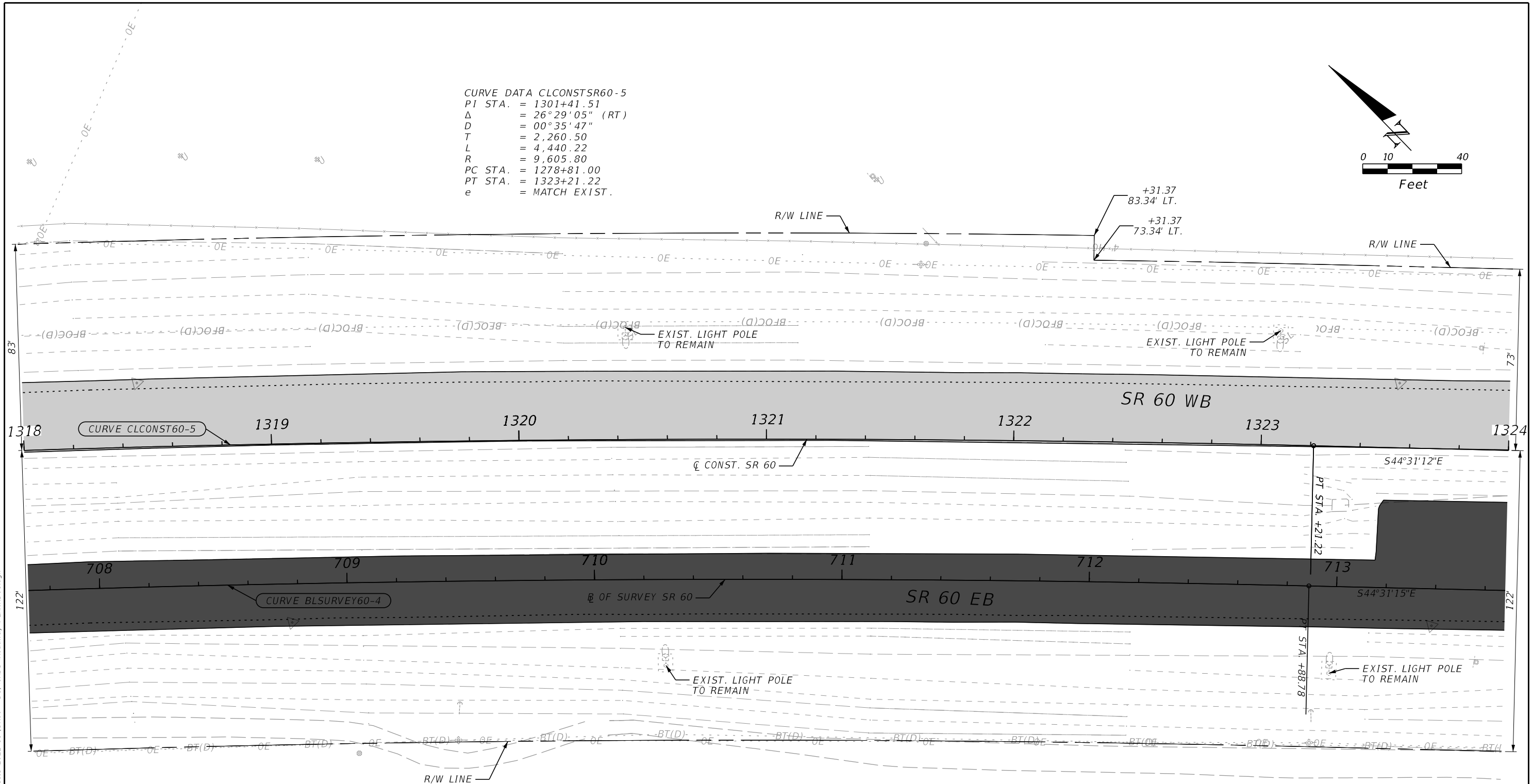
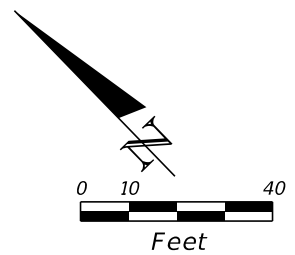
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

ROADWAY PLANS

SHEET NO.
72

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CURVE DATA CLCONSTSR60-5
 PI STA. = 1301+41.51
 Δ = 26°29'05" (RT)
 D = 00°35'47"
 T = 2,260.50
 L = 4,440.22
 R = 9,605.80
 PC STA. = 1278+81.00
 PT STA. = 1323+21.22
 e = MATCH EXIST.



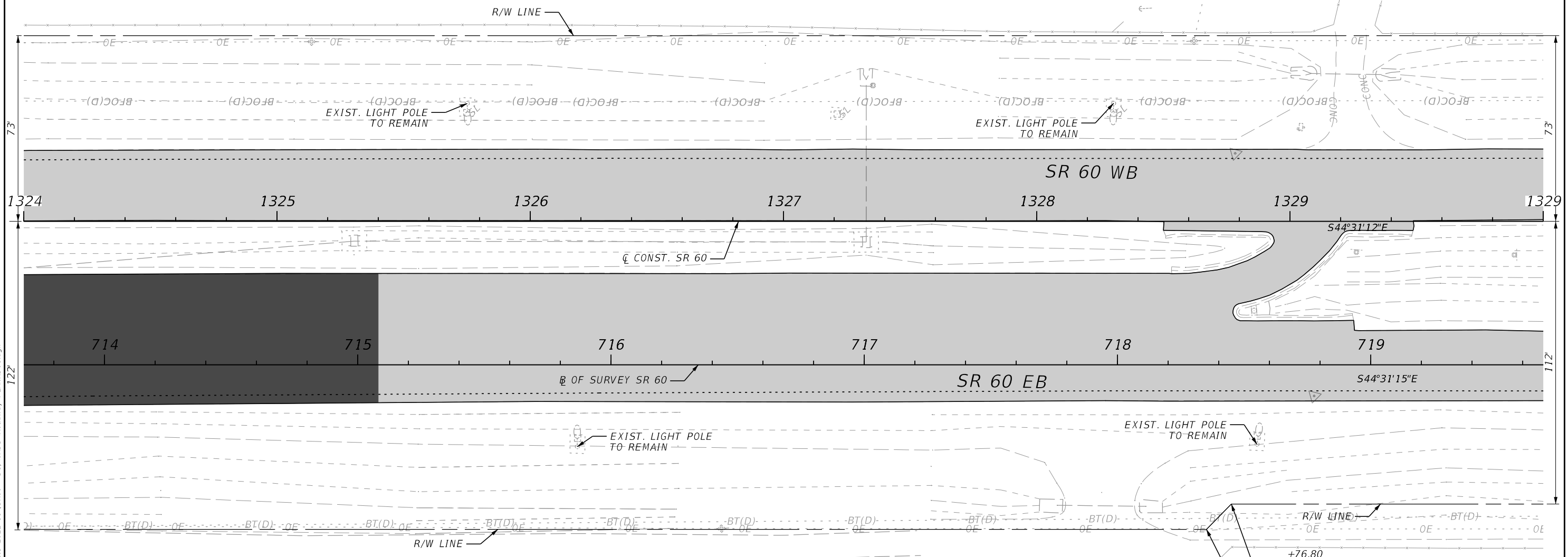
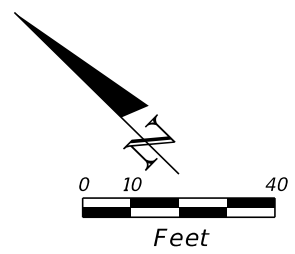
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 PI STA. = 691+21.93
 Δ = 26°29'03" (RT)
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 T = 2,247.16
 L = 4,414.01
 R = 9,549.30
 PC STA. = 668+74.77
 PT STA. = 712+88.78
 e = N/A

LEGEND	
	PAVEMENT MILLING & RESURFACING
	RESURFACING LONGITUDINAL GROOVING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 73
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		



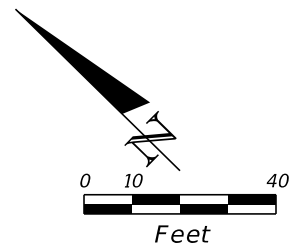
LEGEND	
	PAVEMENT MILLING & RESURFACING
	RESURFACING LONGITUDINAL GROOVING

+76.80
111.66' RT.
+66.97
121.66' RT.

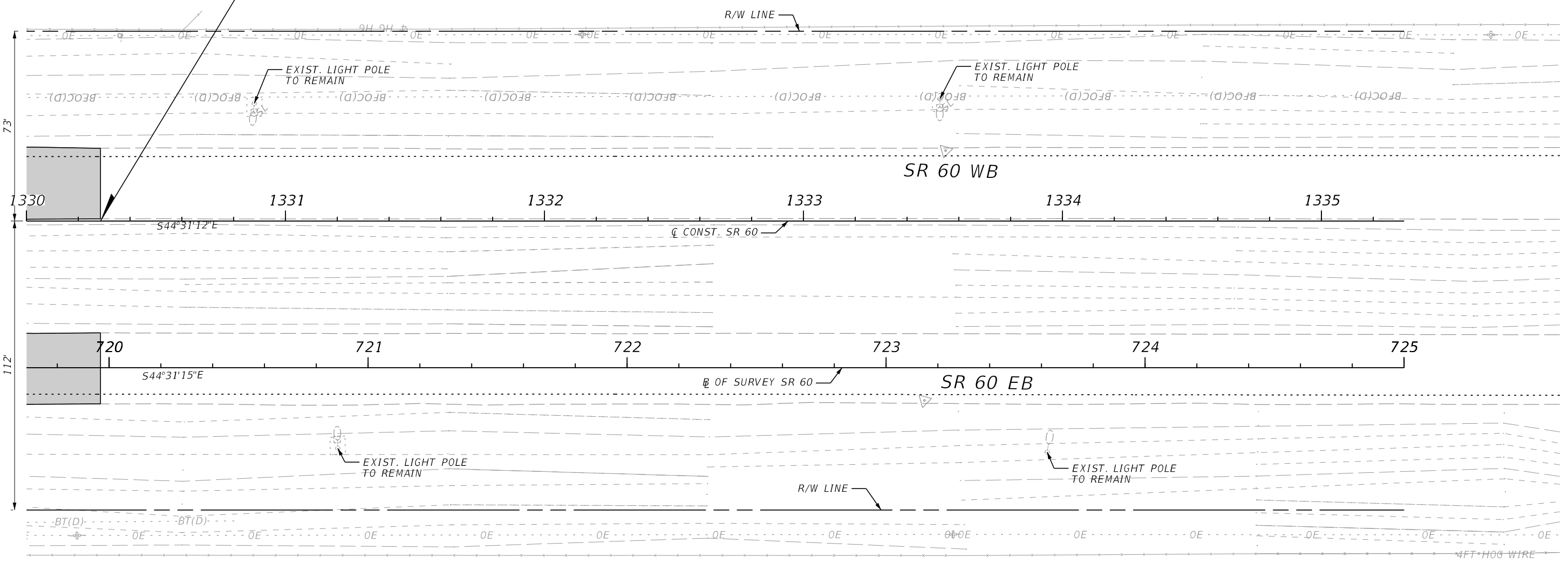
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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO. 74
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 60	POLK	449276-1-52-01					

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END PROJECT
 END CONSTRUCTION
 END MILLING & RESURFACING
 @ CONST. SR 60
 STA. 1330+28.59
 MP. 12.642



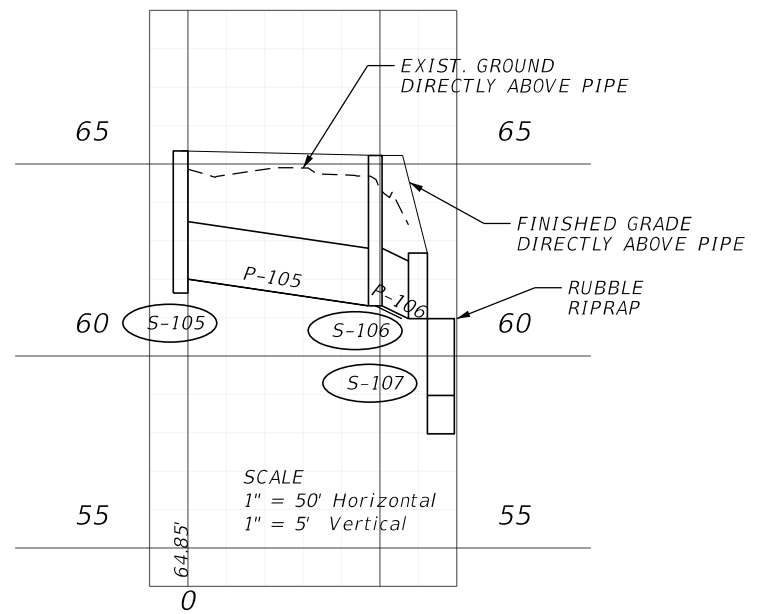
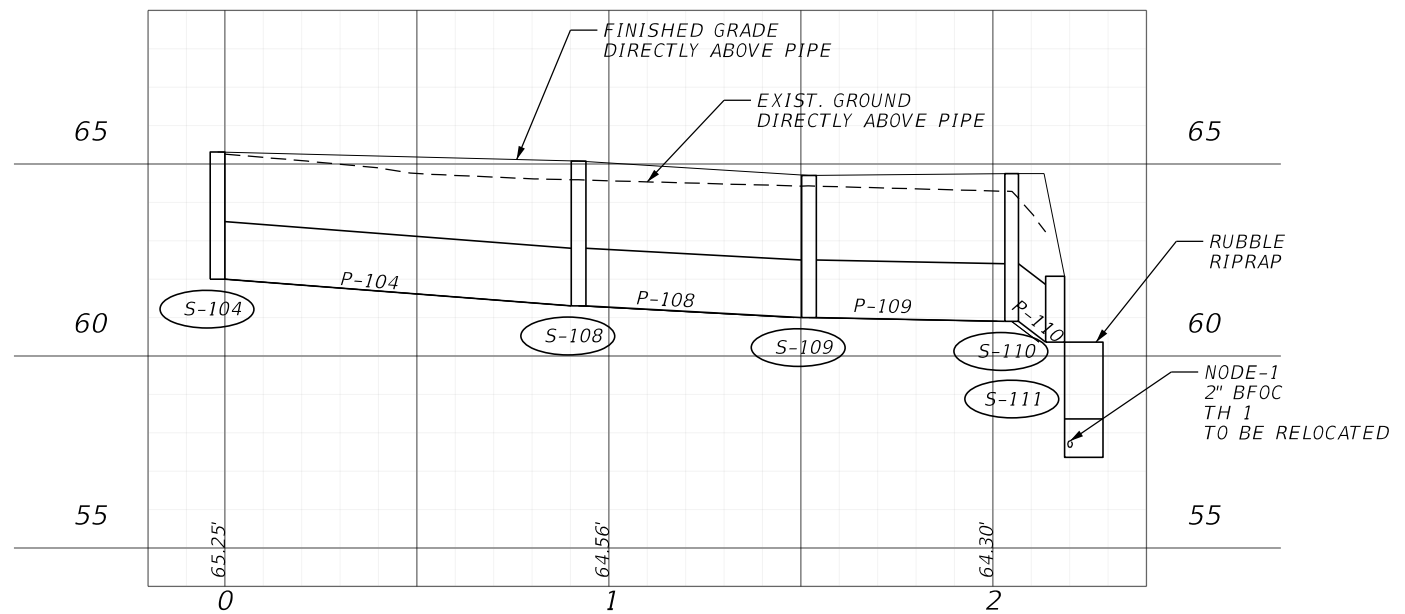
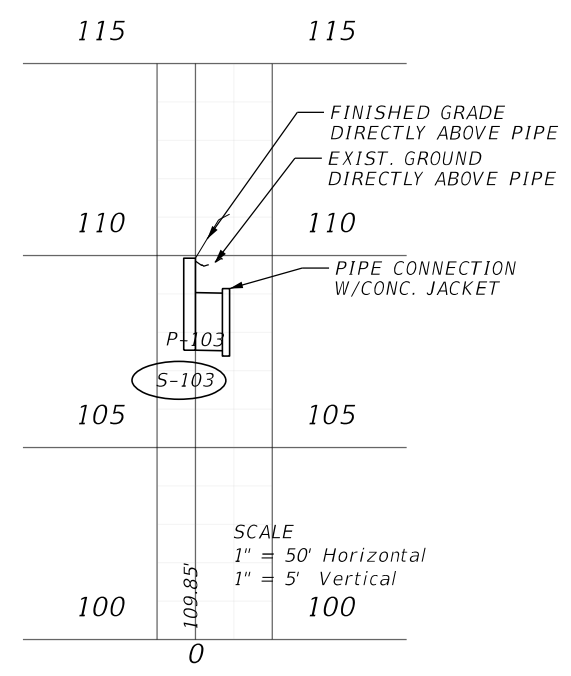
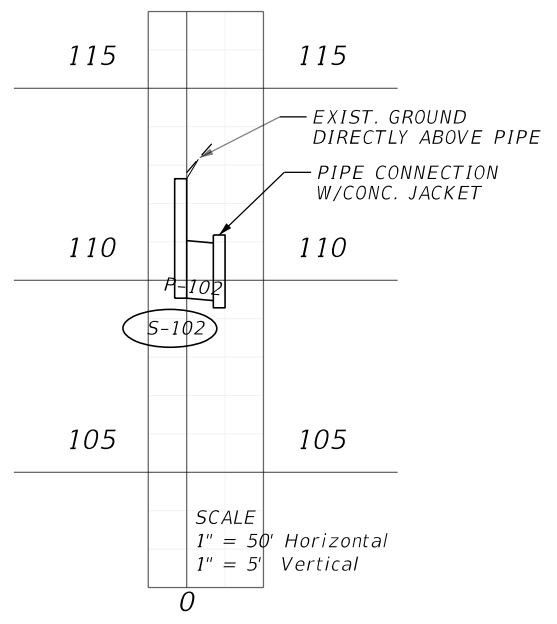
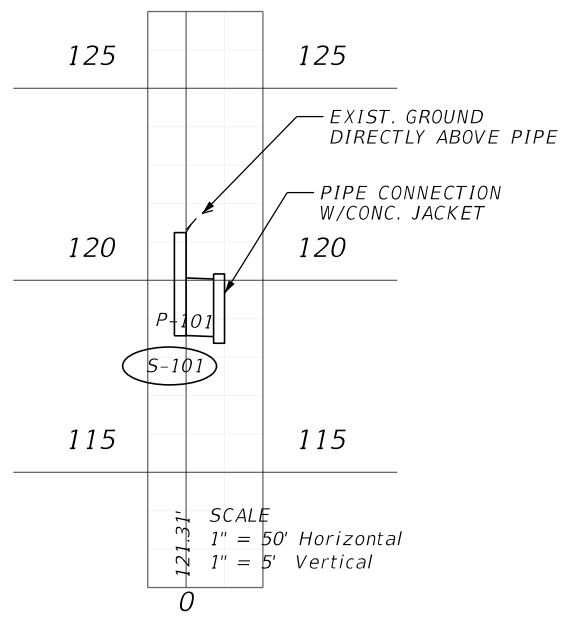
LEGEND

PAVEMENT MILLING & RESURFACING

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		75
						SR 60	POLK	449276-1-52-01		



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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	FERNANDO CANO, PE LICENSE NUMBER: 70941 VIA ENGINEERING GROUP, INC. 3925 PEPPERVINE DRIVE, SUITE 2B ORLANDO, FL 32828			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	POLK	449276-1-52-01	76

DRAINAGE STRUCTURES

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

STRUCTURE DATA										
Label	Baseline Feature	Baseline Station (ft)	Baseline Offset (ft)	Structure Type	Bottom Dimensions	FDOT Standard Plans (400 index series) Notes	Remarks	Reference Point Elevation (ft)	Sump Elevation (Structure Invert) (ft)	-Pipe-Label
S-101	CL	1088+02	28.27	DBI TYPE C		Traversable Inlet w/Single slot BK		121.24	118.56	(Out) P-101
S-102	CL	1094+98	8.54	DBI TYPE C		Traversable Inlet w/Double slot AH & BK		112.64	109.53	(Out) P-102
S-103	CL	1108+97	18.70	DBI TYPE C		Traversable Inlet w/Double slot AH & BK		109.93	107.53	(Out) P-103
S-104	CL	1268+88	-34.68	GUTTER INLET TYPE S				64.94	62.00	(Out) P-104
S-108	CL	1269+82	-34.68	GUTTER INLET TYPE S				64.70	61.30	(In) P-104 (Out) P-108
S-109	CL	1270+42	-34.68	GUTTER INLET TYPE S				64.33	61.00	(In) P-108 (Out) P-109
S-105	CL	1268+88	79.19	GUTTER INLET TYPE S				64.99	62.00	(Out) P-105
S-106	CL	1269+37	79.19	GUTTER INLET TYPE S	4' DIA.			64.84	61.30	(In) P-105 (Out) P-106
S-110	CL	1270+95	-34.68	GUTTER INLET TYPE S	4' DIA.			64.38	60.90	(In) P-109 (Out) P-110

NOTE:
1. DRAINAGE STRUCTURE SUMP TO BE SET 0.5 FT BELOW THE LOWEST INVERT ELEVATION SHOWN IN COLUMN "SUMP ELEVATION (STRUCTURE INVERT)".

ENDWALL AND MES DATA							
Label	Baseline Feature	Baseline Station (ft)	Baseline Offset (ft)	FDOT Top	Elevation (Invert) (ft)	FDOT Standard Plans (400 index series) Notes	Remarks
S-111	CL	1270+95	-46.82	CD MES 1:2	60.36	1:2 Single pipe	
S-107	CL	1269+37	91.08	CD MES 1:2	60.97	1:2 Single pipe	

Utilities In Close Proximity To Drainage Features									
Label	Conflictee	Conflicter	Baseline Feature	Baseline Station (ft)	Baseline Offset (ft)	x (ft)	y (ft)	Notes	
Node-1	BF0C	RIPRAP	CL	1270+95.08	-50.96	851123.67	1287217.18	To be relocated	

PIPE TABLE								
Label	Number of Barrels	Length (Construction) (ft)	Size	Start Node (Upper)	Start Invert (ft)	Stop Node (Lower)	Stop Invert (ft)	Optional Pipe
P-101	1	7	18 inch	S-101	118.56	Exis. Pipe	118.53	Group 1
P-102	1	7	18 inch	S-102	109.53	Exist. Pipe	109.47	Group 1
P-103	1	7	18 inch	S-103	107.53	Exist. Pipe	107.52	Group 1
P-104	1	90	18 inch	S-104	62.00	S-108	61.30	Group 2
P-105	1	47	18 inch	S-105	62.00	S-106	61.30	Group 2
P-106	1	7	18 inch	S-106	61.30	S-107	60.97	Group 2
P-108	1	56	18 inch	S-108	61.30	S-109	61.00	Group 2
P-109	1	49	18 inch	S-109	61.00	S-110	60.90	Group 2
P-110	1	7	18 inch	S-110	60.90	S-111	60.36	Group 2

Optional Materials Tabulation					
Group No.	Size (in)	Material & Thickness	Plotted	As Built	Remarks
Group 1	18"	(RCP) Steel Reinf. Concrete Round. CL I	X		
Group 2	18"	(RCP) Steel Reinf. Concrete Round. CL I	X		
		(NRCP) Non-Reinforced Concrete, CL HE I	X		

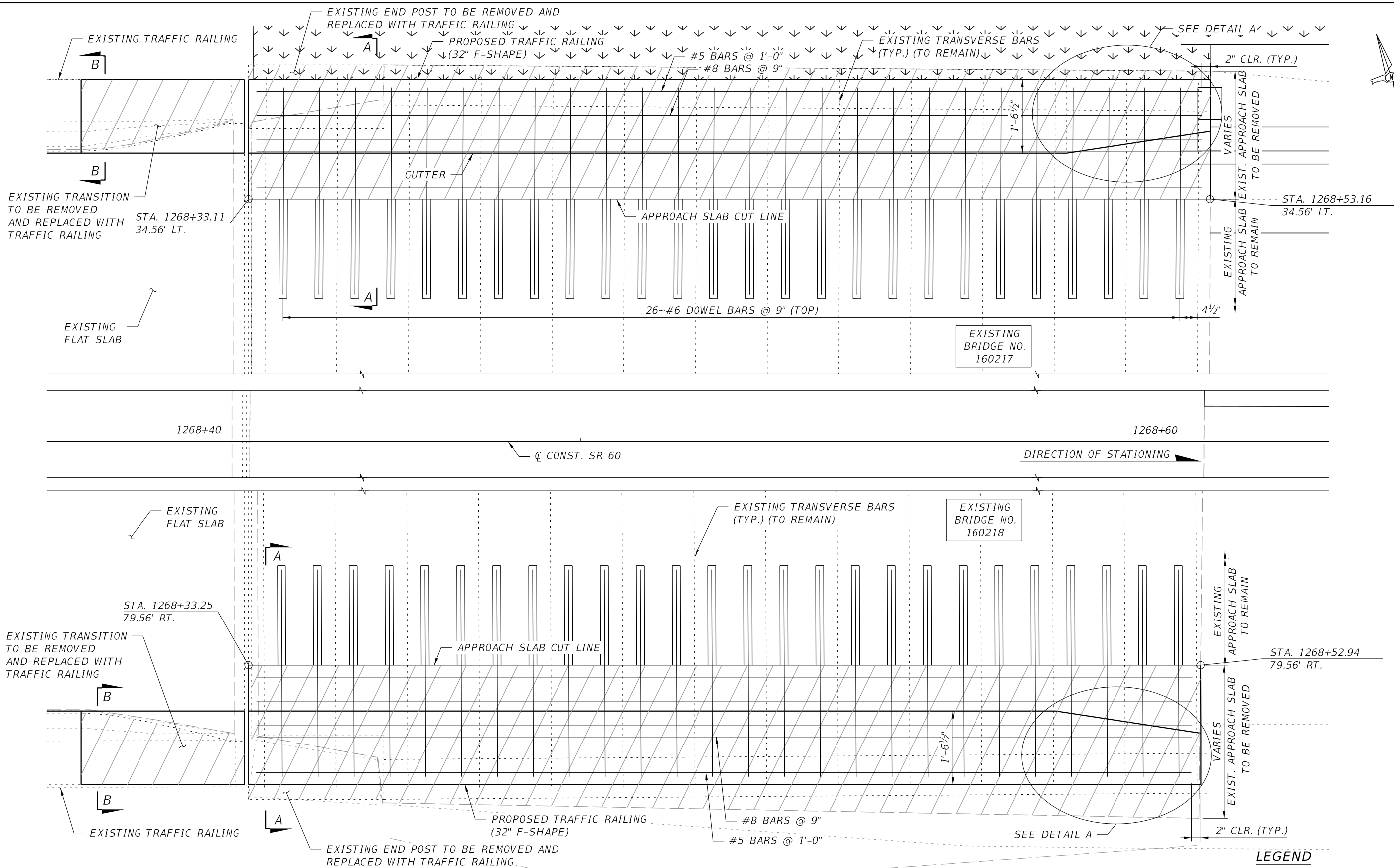
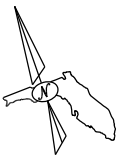
REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01	77	

FERNANDO CANO, PE
LICENSE NUMBER: 70941
VIA ENGINEERING GROUP, INC.
3925 PEPPERVINE DRIVE, SUITE 2B
ORLANDO, FL 32828

DRAINAGE STRUCTURES

6/14/2024 11:03:03 AM Adriana_laptop \\via-srv\openroads\FDOT_44927615201_1012\Drainage\DRPRD01.dgn

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PLAN

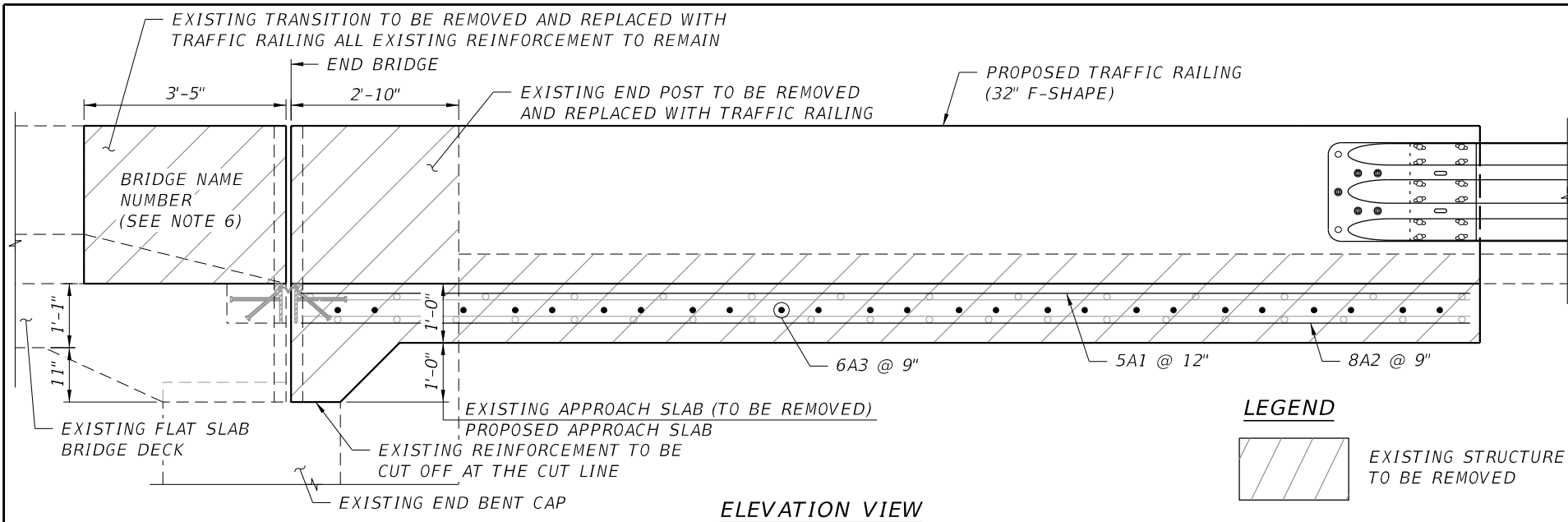
LEGEND



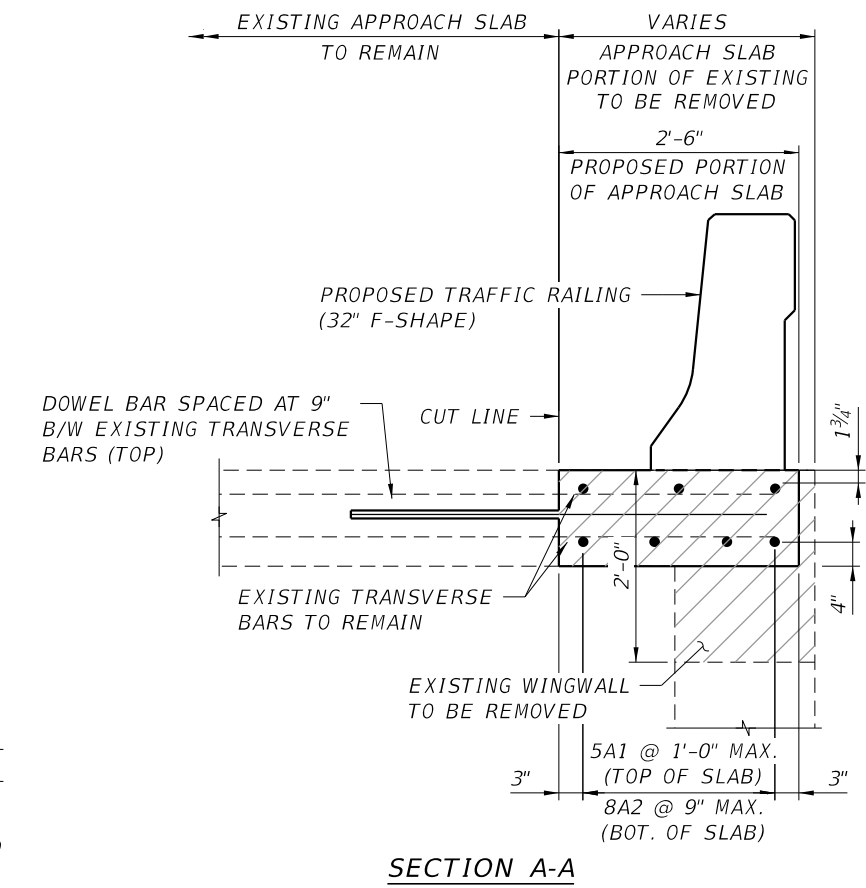
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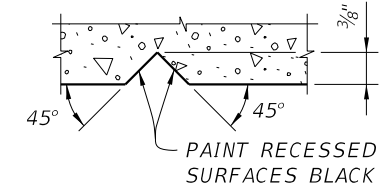
REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC RAILING RETROFIT DETAILS	SHEET NO. 78
DATE	DESCRIPTION	DATE	DESCRIPTION	JUAN A. VALENZUELA, P.E. LICENSE NUMBER: 68208 FLORIDA BRIDGE & TRANSPORTATION, INC. 633 DARTMOUTH STREET ORLANDO, FL. 32804			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 60	POLK	449276-1-52-01					



ELEVATION VIEW



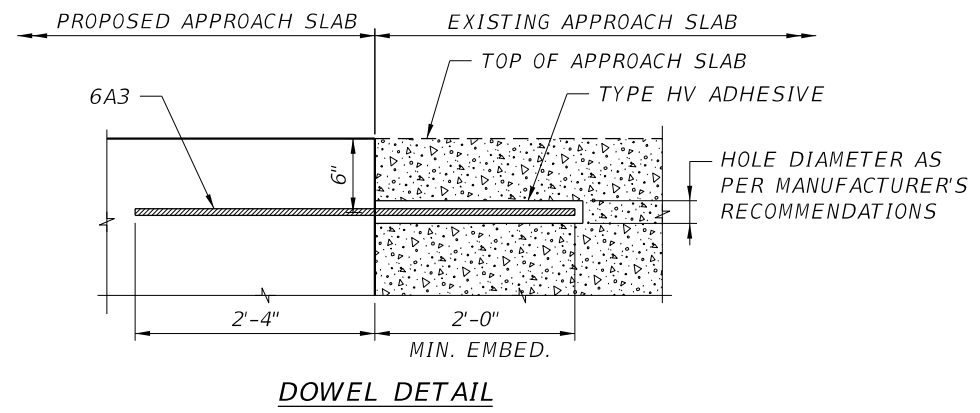
SECTION A-A



SECTION THRU RECESSED "V" GROOVE TO FORM INSCRIBED LETTERS AND FIGURES

APPROACH SLAB BILL OF REINFORCING STEEL LOCATION: BRIDGE 160217			
MARK	TYPE	NUMBER	LENGTH
5A1	1	3	19'-9"
8A2	1	4	19'-9"
6A3	1	26	4'-4"

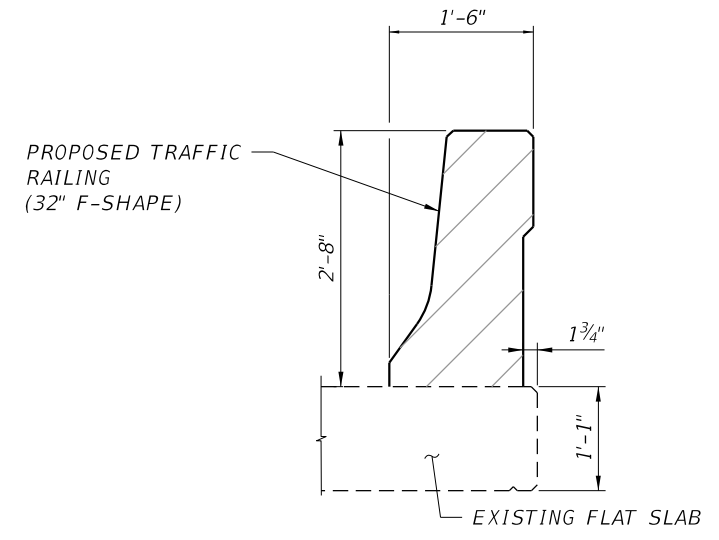
APPROACH SLAB BILL OF REINFORCING STEEL LOCATION: BRIDGE 16018			
MARK	TYPE	NUMBER	LENGTH
5A1	1	3	19'-6"
8A2	1	4	19'-6"
6A3	1	26	4'-4"



DOWEL DETAIL

DOWEL INSTALLATION NOTES:

1. LOCATE DOWEL HOLES B/W EXISTING TOP TRANSVERSE BARS.
2. INSTALL DOWELS SHOWN USING ANCHOR ADHESIVE BONDING SYSTEM TYPE HV, PER SPECIFICATION 937, SPECIFICATION 416 AND THE MANUFACTURER'S SPECIFICATIONS. VERIFY THAT HOLES FOR DOWEL BARS ARE THOROUGHLY CLEAN AND DRY PRIOR TO PLACING BONDING MATERIAL. DO NOT OMIT ANY DOWELS.



SECTION B-B

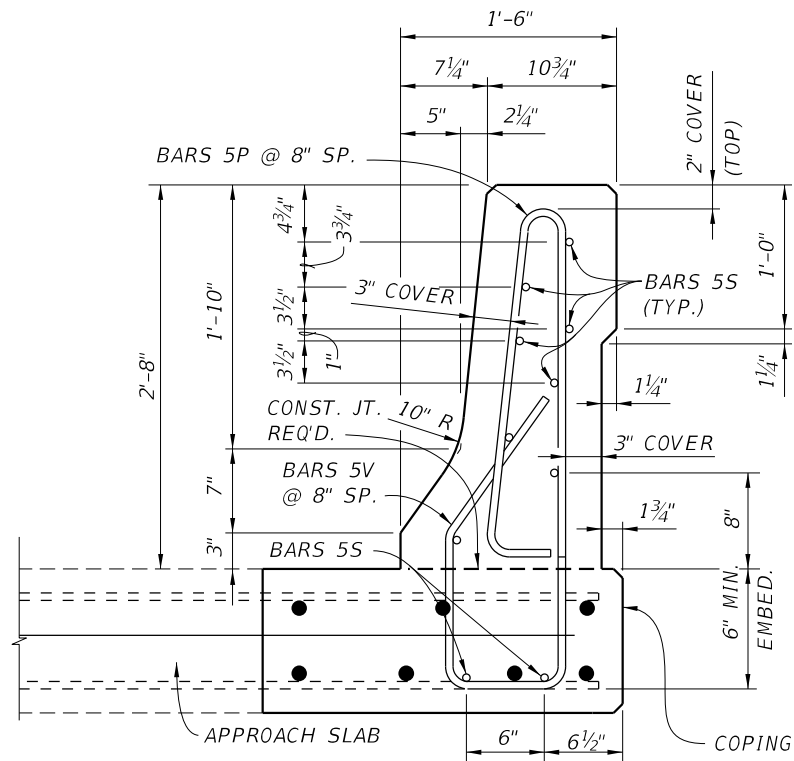
NOTES:

1. FOR SURFACE TREATMENT SEE INDEX 400-090.
2. TAKE THE NECESSARY PRECAUTIONS NOT TO DAMAGE EXISTING REINFORCING AND EXISTING EXPANSION JOINT.
3. EXISTING GUARDRAIL NOT SHOWN FOR CLARITY.
4. FOR GUARDRAIL CONNECTION DETAILS, SEE INDEX 536-001.
5. MATERIALS:
 CONCRETE BARRIER - CLASS II
 APPROACH SLAB - CLASS II (BRIDGE DECK)
 REINFORCING STEEL - ASTM A615 GRADE 60 DEFORMED
 CARBON STEEL BAR REINFORCEMENT
6. NAME AND BRIDGE NUMBER : THE NAME AND BRIDGE NUMBER SHALL BE PLACED ON THE TRAFFIC RAILING SO AS TO BE SEEN ON THE DRIVER'S RIGHT SIDE WHEN APPROACHING THE BRIDGE. THE NAME IS WEOHYAKAPKA CREEK. BLACK PLASTIC LETTERS AND FIGURES 3" IN HEIGHT MAY BE USED, AS APPROVED BY THE ENGINEER, IN LIEU OF THE LETTERS AND FIGURES FORMED BY 3/8" V-GROOVES. V-GROOVES MUST BE FORMED BY PREFORMED LETTERS AND FIGURES.
7. RAILING EXPANSION JOINT WIDTH MUST MATCH THE DECK EXPANSION JOINT.

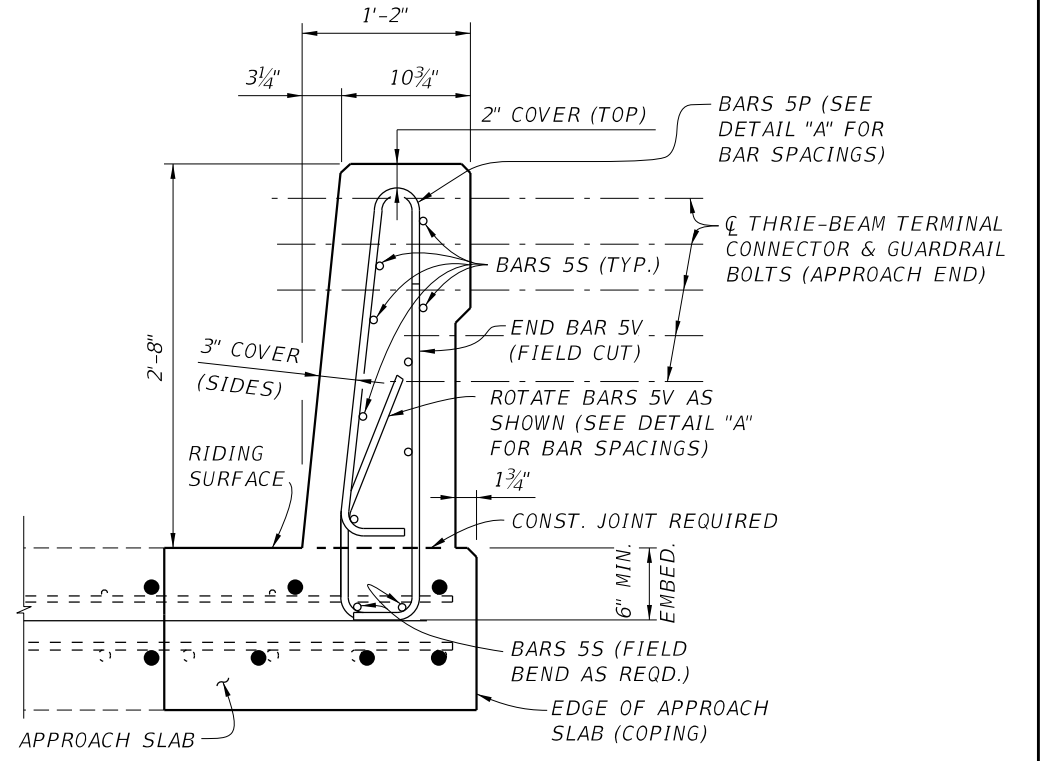
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REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC RAILING RETROFIT DETAILS	SHEET NO. 79
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 60	POLK	449276-1-52-01		

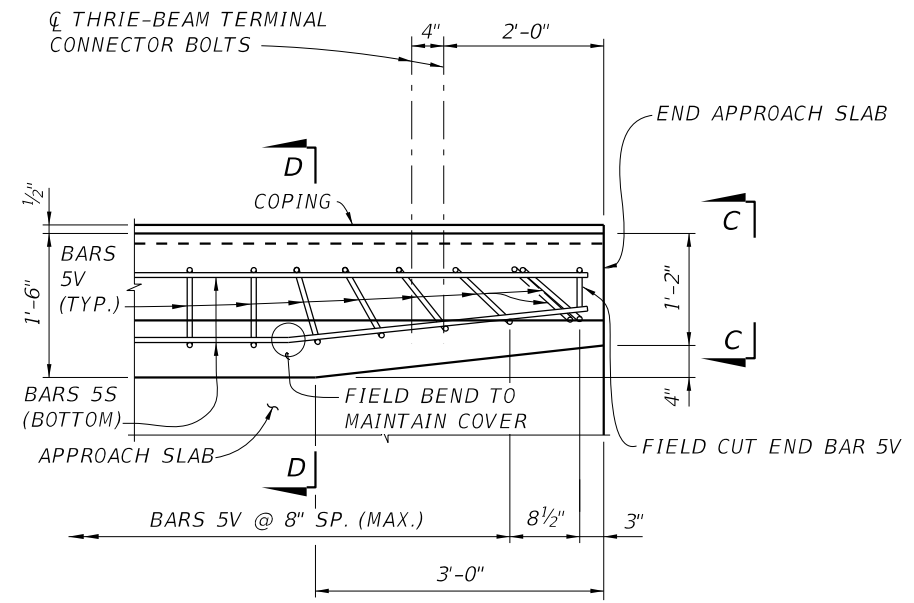
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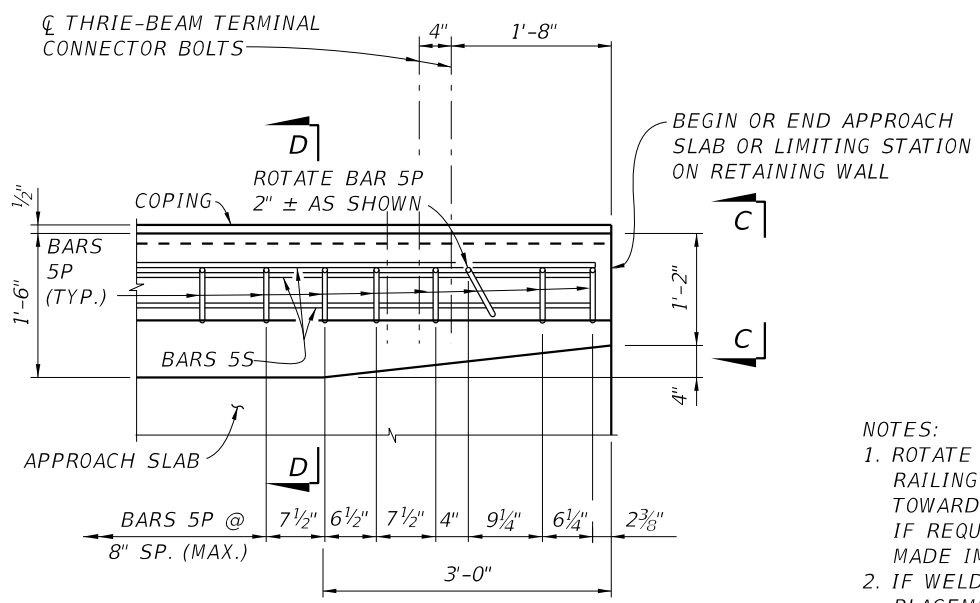
SECTION D-D
TYPICAL SECTION THRU TRAFFIC RAILING



VIEW C-C



PLAN - RAILING END TRANSITION
(SHOWING BARS 5V AND 5S)



PLAN - RAILING END TRANSITION
(SHOWING BARS 5P AND 5S)

- NOTES:**
1. ROTATE BARS 5V IN RAILING END TRANSITION TO MAINTAIN COVER. BEGIN PLACING RAILING BARS 5P AND 5V ON APPROACH SLAB AT THE BARRIER END AND PROCEED TOWARD BEGIN OR END BRIDGE TO ENSURE PLACEMENT OF GUARDRAIL BOLT HOLES. IF REQUIRED, ADJUSTMENTS TO THE BAR SPACING FOR BARS 5P AND 5V MUST BE MADE IMMEDIATELY ADJACENT TO BEGIN OR END BRIDGE.
 2. IF WELDED WIRE REINFORCEMENT IS USED IN LIEU OF CONVENTIONAL REINFORCEMENT, PLACEMENT OF THE WWR VERTICAL ELEMENTS MUST BE SIMILAR TO THOSE SHOWN ABOVE. CLIPPING OF HORIZONTAL ELEMENTS TO FACILITATE PLACEMENT SHALL BE MINIMIZED WHERE POSSIBLE. WHEN CLIPPING IS REQUIRED, SUPPLEMENT HORIZONTAL ELEMENTS BY LAP SPLICING WITH DEFORMED BARS HAVING AN EQUIVALENT AREA OF STEEL.

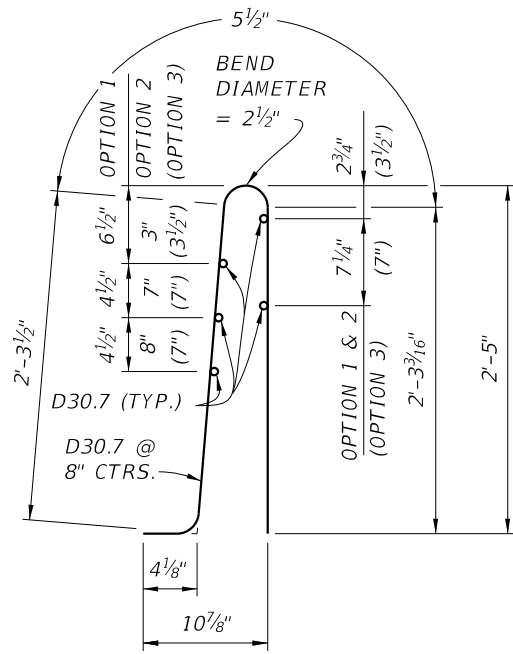
DETAIL A

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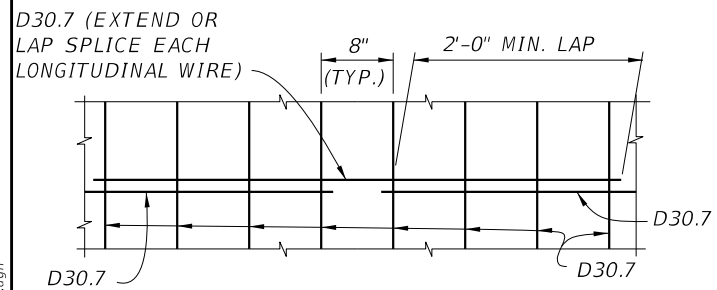
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC RAILING RETROFIT DETAILS	SHEET NO. 80
DATE	DESCRIPTION	DATE	DESCRIPTION	JUAN A. VALENZUELA, P.E. LICENSE NUMBER: 68208 FLORIDA BRIDGE & TRANSPORTATION, INC. 633 DARTMOUTH STREET ORLANDO, FL. 32804		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

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ALTERNATE REINFORCING STEEL (WELDED WIRE REINFORCEMENT) DETAILS



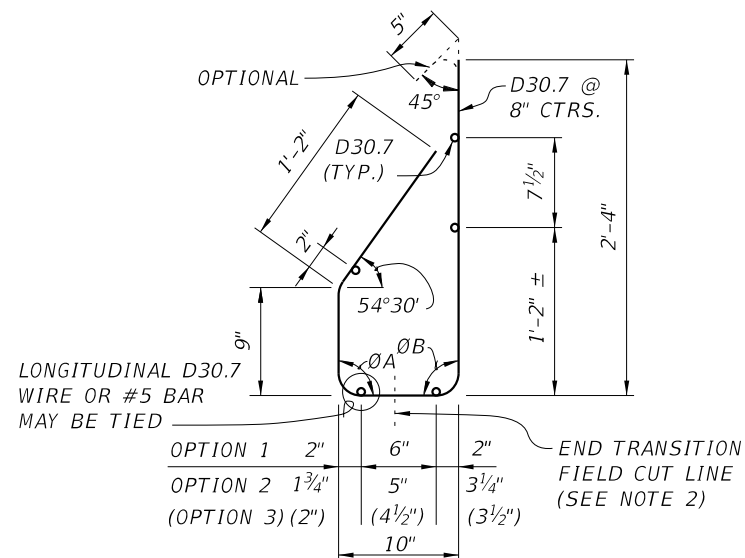
WELDED WIRE REINFORCEMENT (WWR) PIECE NO. 2



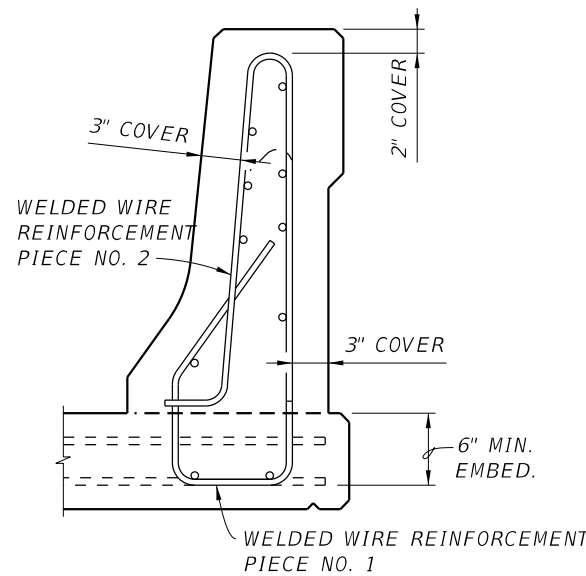
SPLICE DETAIL (BETWEEN WWR SECTIONS)

WELDED WIRE REINFORCEMENT NOTES:

1. WELDED WIRE REINFORCEMENT (WWR) MAY BE UTILIZED IN LIEU OF ALL BARS 5P, 5S AND 5V. WWR MUST CONSIST OF DEFORMED WIRE MEETING THE REQUIREMENTS OF SPECIFICATION SECTION 931.
2. WWR AT RAILING END TRANSITION MUST BE FIELD BENT INWARD AS REQUIRED (PIECES 1 & 2) TO MAINTAIN COVER. THE VERTICAL WIRES (D30.7) IN PIECE 1 MUST BE CUT AS SHOWN AND THE GUTTER SIDE PORTION BENT INWARD AS REQUIRED TO ALLOW PLACEMENT.

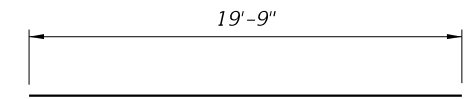


WELDED WIRE REINFORCEMENT (WWR) PIECE NO. 1

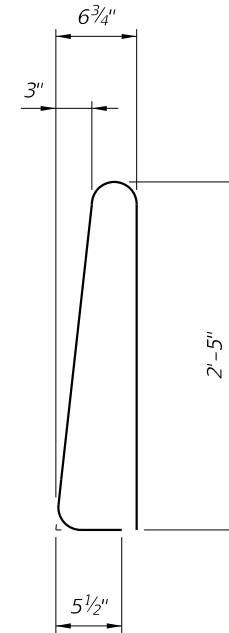


CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

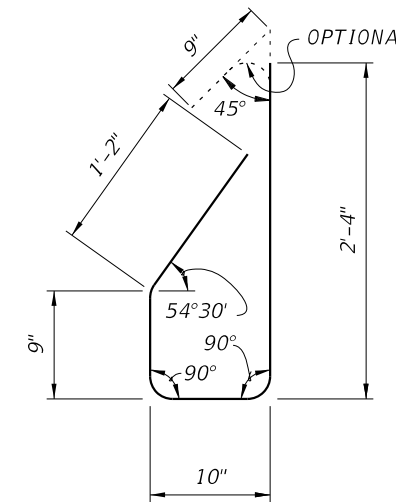
BILL OF REINFORCING STEEL		
MARK	SIZE	LENGTH
P	5	5'-7"
S	5	19'-9"
V	5	5'-1"



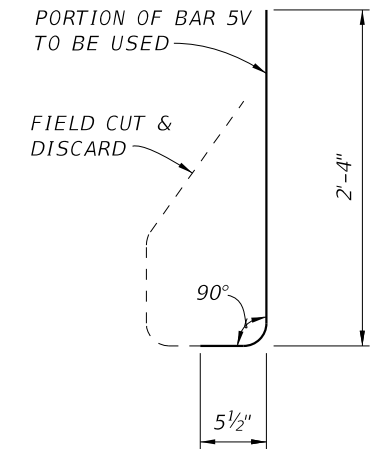
BAR 5S



STIRRUP BAR 5P



STIRRUP BAR 5V



END STIRRUP BAR 5V

TO BE FIELD CUT (ONE REQUIRED PER RAILING END TRANSITION)

REINFORCING STEEL NOTES:

1. ALL BAR DIMENSIONS IN THE BENDING DIAGRAMS ARE OUT TO OUT.
2. ALL REINFORCING STEEL AT THE OPEN JOINTS SHALL HAVE A 2" MINIMUM COVER.
3. BARS 5S MAY BE CONTINUOUS OR SPLICED AT THE CONSTRUCTION JOINTS. BAR SPLICES FOR BARS 5S MUST BE A MINIMUM OF 2'-0".

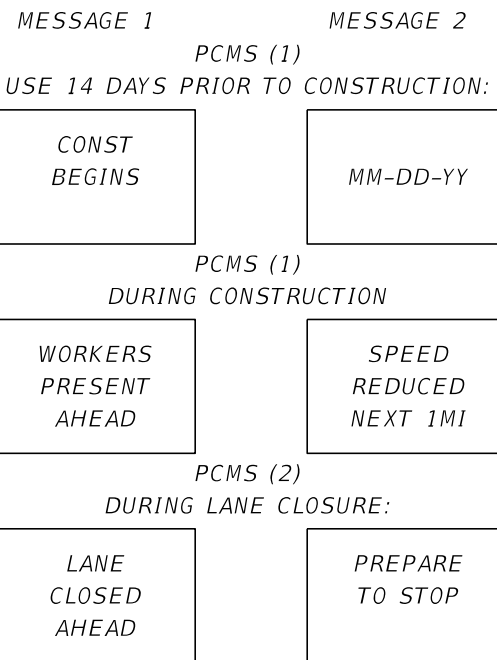
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC RAILING RETROFIT DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	JUAN A. VALENZUELA, P.E. LICENSE NUMBER: 68208 FLORIDA BRIDGE & TRANSPORTATION, INC. 633 DARTMOUTH STREET ORLANDO, FL. 32804		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		81

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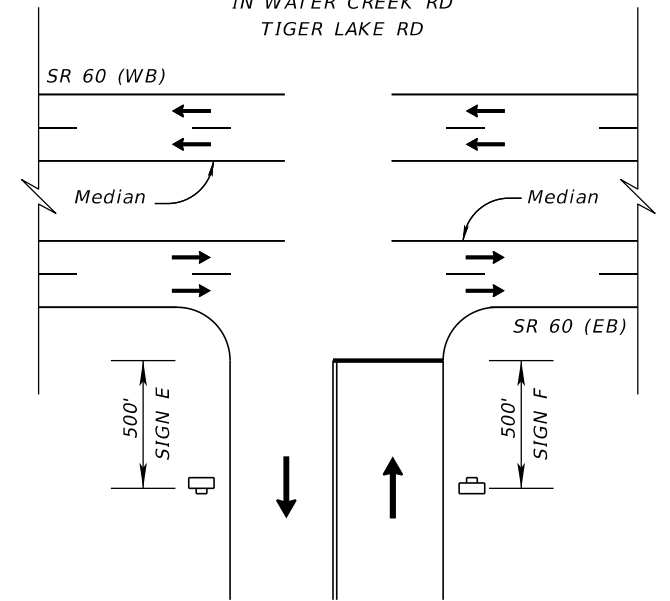
TEMPORARY TRAFFIC CONTROL PLAN GENERAL NOTES

1. THE POSTED SPEED LIMIT FOR SR 60 WITHIN THE PROJECT LIMITS IS 65 MPH. REDUCE THE 65 MPH POSTED SPEED LIMIT TO 55 MPH DURING CONSTRUCTION PHASING. EXISTING SPEED SIGNS SHOWN TO REMAIN SHALL REQUIRE COVERING TO NOT CONFLICT WITH THE PROPOSED 55 MPH SPEED REDUCTION DURING CONSTRUCTION.
2. ARROWS ON THE TEMPORARY TCP DENOTE THE DIRECTION OF THE TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS UNLESS SPECIFICALLY NOTED.
3. ADVANCE WARNING LAYOUT DETAIL TO BE USED IN CONJUNCTION WITH STANDARD PLANS AND FOR ALL LANE CLOSURES ON SR 60.
4. UTILITZIE MOTORIST AWARENESS SYSTEM (M.A.S.) PER STANDARD PLANS INDEX 102-613 FOR ALL LANE CLOSURES ON SR 60.
5. MAINTAIN POSITIVE DRAINAGE THROUGHOUT THE PROJECT DURING ALL PHASES OF CONSTRUCTION.
6. RESTORE SAFE ROADSIDE CONDITIONS AT THE END OF EACH WORK PERIOD PER INDEX 102-600.
7. THERE ARE NO TIME OF DAY LANE CLOSURE RESTRICTIONS.



SIDESTREET DETAIL (NTS)

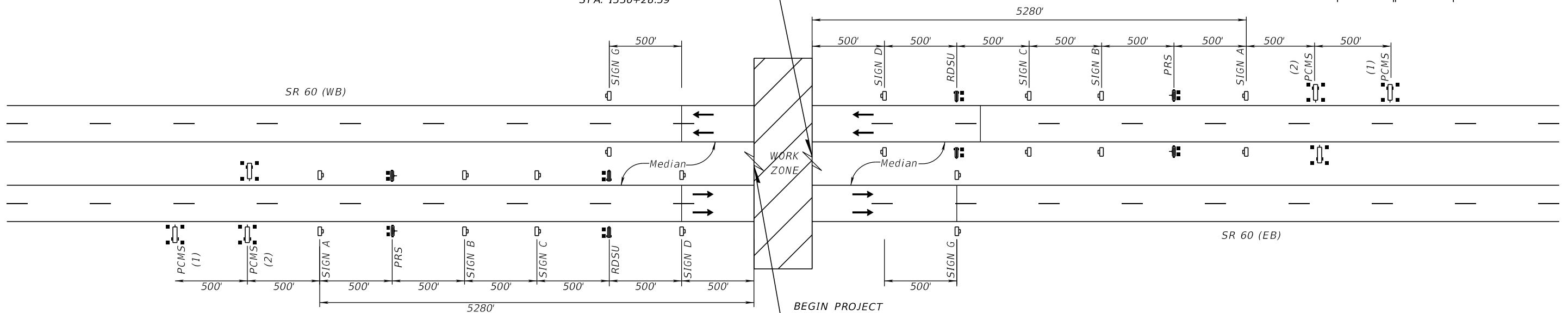
- SADDEBAG LAKE RD
- CHARLIE HARRIS RD
- CHURCH RD
- HOUSER RD
- INTERNATIONAL CIRCLE
- GOLDEN BOUGH RD
- ANDERSON RD
- STEMBRIDGE RD
- POMONA RD
- S BREEN RD
- N BREEN RD
- ORION LN
- WALK IN WATER RD
- BOY SCOUT CAMP RD
- R J KEENE RD
- DOHERTY DR
- SILVIO RD
- IN WATER CREEK RD
- TIGER LAKE RD



LEGEND					
◻ WORK ZONE SIGN	▪ CHANNELIZING DEVICE	→ LANE IDENTIFICATION AND DIRECTION OF TRAFFIC	◻ PCMS	▬ PORTABLE REGULATORY SIGN (PRS)	▬ RADAR SPEED DISPLAY UNIT (RDSU)
W20-1E SIGN A	M0T-14-06 SIGN B	W20-1C SIGN C	W20-XX SIGN D	G20-2 SIGN E	W20-1F SIGN F

END PROJECT
END CONSTRUCTION
END MILLING & RESURFACING
Q CONST. SR 60
STA. 1330+28.59

PROVIDE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) ADVANCE OF THE BEGIN/END PROJECT AND IN ACCORDANCE WITH THE ADVANCED WARNING LAYOUT DETAIL AND FOR THE DURATION OF CONSTRUCTION. THE PURPOSE OF THESE SIGNS IS TO PROVIDE ADVANCE NOTIFICATION OF UPCOMING M.A.S. LANE CLOSURES.



BEGIN PROJECT
BEGIN CONSTRUCTION
BEGIN MILLING & RESURFACING
Q CONST. SR 60
STA. 1000+50.00

ADVANCE WARNING LAYOUT DETAIL (NTS)

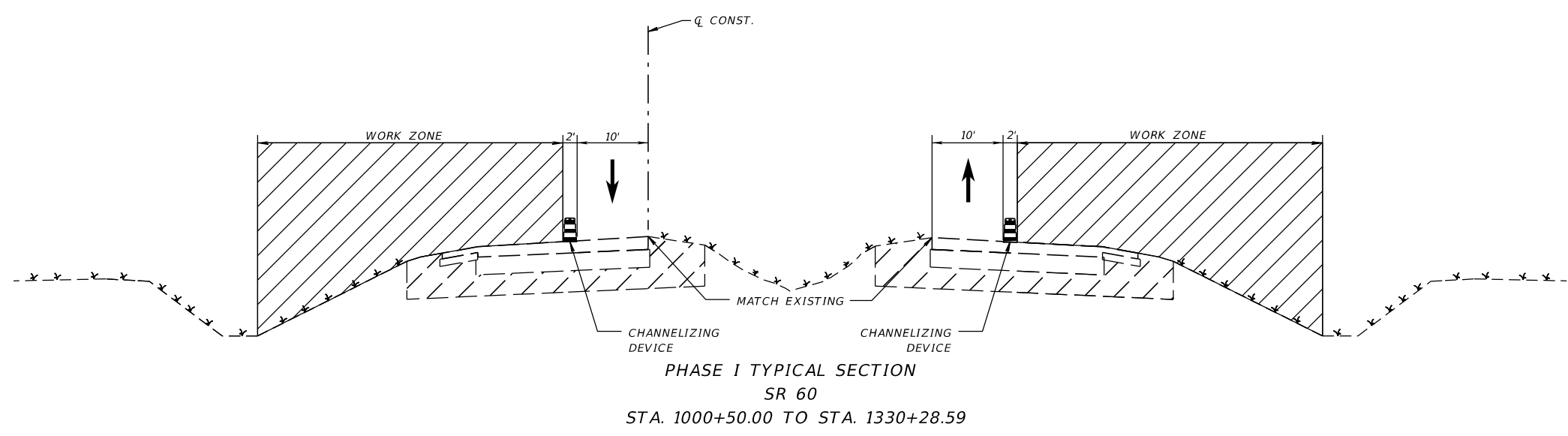
GENERAL NOTES

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 82
DATE	DESCRIPTION	DATE	DESCRIPTION	RONALD A. CELIZ, P.E. LICENSE NUMBER: 87465 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 60	POLK	449276-1-52-01	TEMPORARY TRAFFIC CONTROL PLANS			

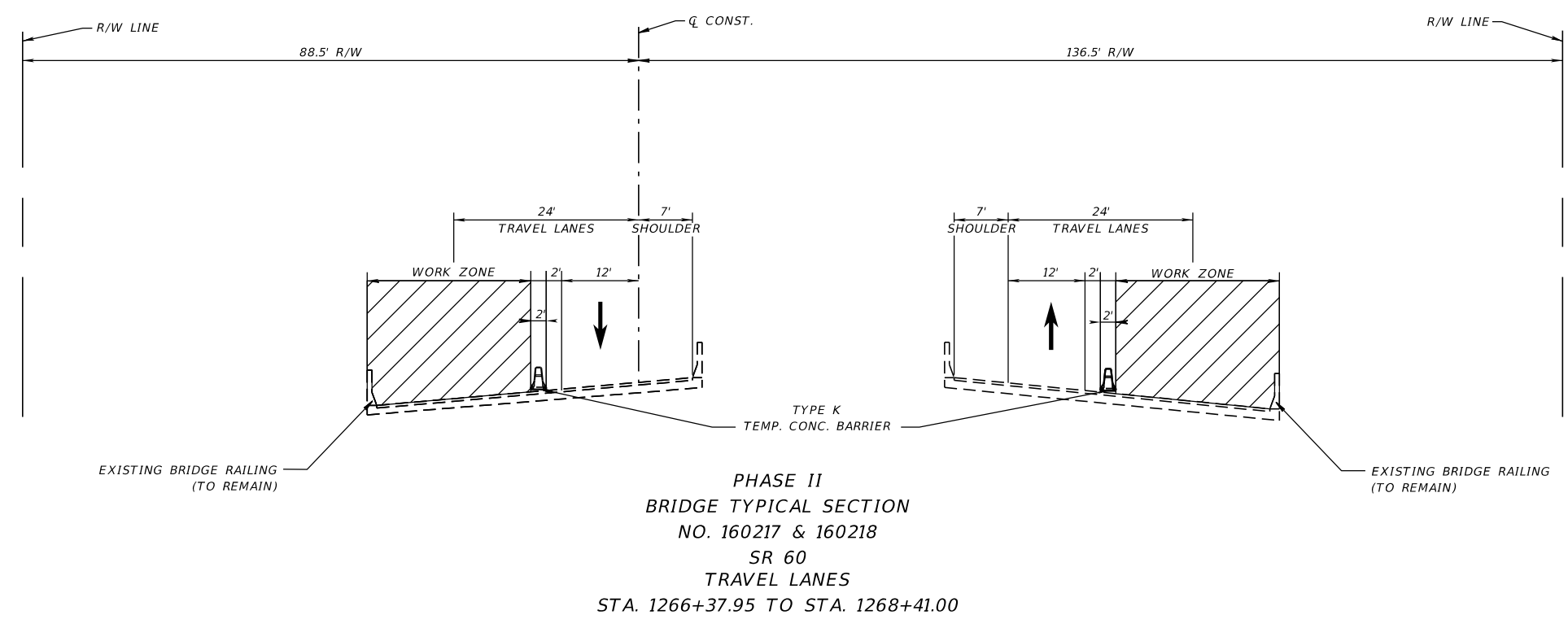
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TTCP PHASING NOTES

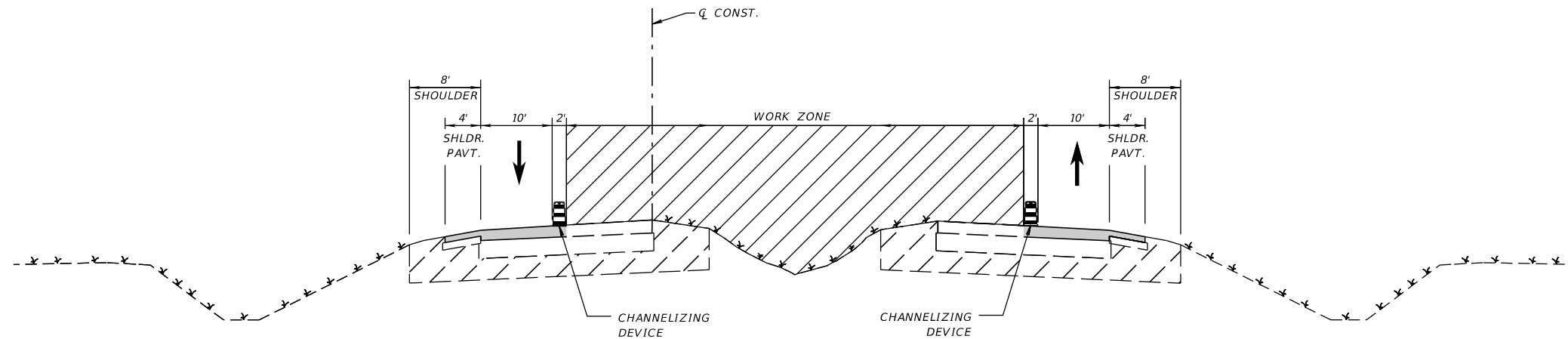
- PHASE I**
1. INSTALL ADVANCED WARNING SIGNS AND CHANNELIZING DEVICES PER ADVANCE WARNING LAYOUT DETAIL AND STANDARD PLANS INDEXES 102-601, 102-602, 102-613, & 102-615.
 2. MAINTAIN EB AND WB TRAFFIC AND COMPLETE OUTSIDE LANE WIDENING UP TO STRUCTURAL COURSE. CONSTRUCT DRAINAGE ACTIVITIES AND OVERBUILD.
 3. COMMENCE MILLING AND RESURFACING ON THE OUTSIDE TRAVEL LANES UP TO STRUCTURAL COURSE.
 4. APPLY TEMPORARY PAINTED STRIPING AND RPMS.
 5. WORK OPERATION MUST NOT EXCEED 3,000 FEET (INCLUDES TAPER, BUFFER, AND WORK ZONE) IN ANY GIVEN DIRECTION.



- PHASE II**
1. INSTALL ADVANCED WARNING SIGNS AND CHANNELIZING DEVICES PER ADVANCE WARNING LAYOUT DETAIL AND STANDARD PLANS INDEXES 102-601, 102-602, 102-613, & 102-615.
 2. MAINTAIN EB AND WB TRAFFIC AND COMPLETE OUTSIDE SHOULDER WIDENING. CONSTRUCT TRAFFIC RAILING AND DRAINAGE ACTIVITIES.
 3. APPLY TEMPORARY PAINTED STRIPING AND RPMS.
 4. WORK OPERATION MUST NOT EXCEED 3,000 FEET (INCLUDES TAPER, BUFFER, AND WORK ZONE) IN ANY GIVEN DIRECTION.

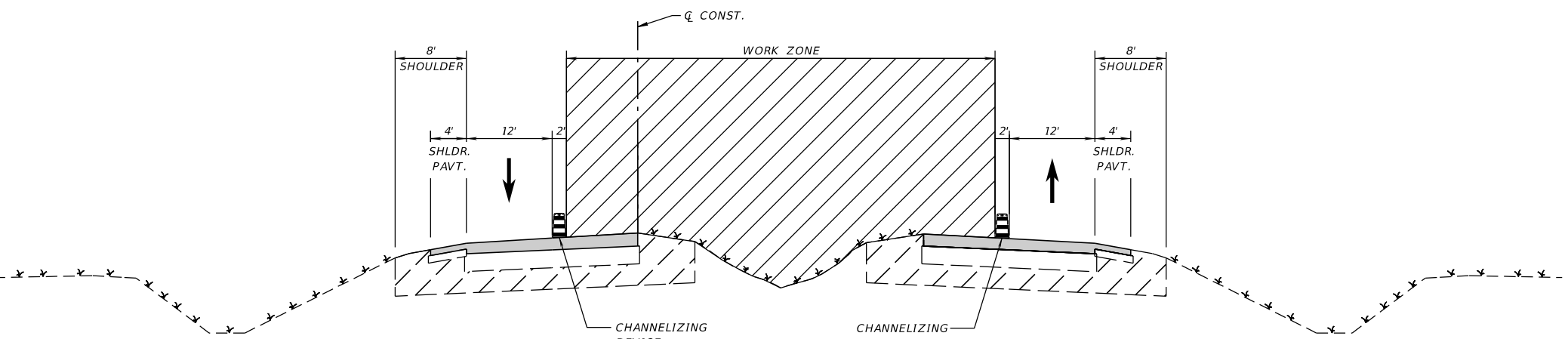
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLANS	SHEET NO. 83
DATE	DESCRIPTION	DATE	DESCRIPTION	RONALD A. CELIZ, P.E. LICENSE NUMBER: 87465 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

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PHASE III TYPICAL SECTION
SR 60
STA. 1000+50.00 TO STA. 1330+28.59

- PHASE III
1. INSTALL ADVANCE WARNING SIGNS AND CHANNELIZING DEVICES PER ADVANCE WARNING LAYOUT DETAIL AND STANDARD PLANS INDEXES 102-602, 102-613 & 102-615.
 2. MAINTAIN EB AND WB TRAFFIC TO COMPLETE INSIDE LANE WIDENING AND OVERBUILD ACTIVITIES UP TO THE STRUCTURAL COURSE. CONSTRUCT PAVED SHOULDER, UNPAVED SHOULDER, CLEARING & GRUBBING AND CONSTRUCT DRAINAGE PIPE UP TO INSIDE TRAVEL LANE (COMPLETION OF PIPE TO BE CONSTRUCTED UNDER PHASE IV).
 3. COMMENCE MILLING & RESURFACING UP TO THE STRUCTURAL COURSE ON THE INSIDE TRAVEL LANES.
 4. APPLY TEMPORARY PAINTED STRIPING AND RPMS.



PHASE IV TYPICAL SECTION
SR 60
STA. 1082+91.53 TO STA. 1110+90.08

- PHASE IVA
- PHASE IVA IS INTENDED TO CONSTRUCT THE INSIDE LEFT TURN LANES AND CROSSOVERS UPSTREAM AND DOWNSTREAM OF THE RESTRICTED U-TURN CROSSING (RCUT) BETWEEN STATION 1082+91.53 AND 1110+90.08.
1. INSTALL ADVANCE WARNING SIGNS AND CHANNELIZING DEVICES PER ADVANCE WARNING LAYOUT DETAIL AND STANDARD PLANS INDEXES 102-602, 102-613 & 102-615 PRIOR TO THE START OF CONSTRUCTION.
 2. MILL, RESURFACE, AND WIDEN EXISTING ROADWAY FOR THE LEFT TURN LANES AND MEDIAN CROSSOVERS ASSOCIATED WITH THE PROPOSED RCUT UP TO THE STRUCTURAL COURSE.
 3. CONSTRUCT THE NEW MEDIAN CROSSOVERS EAST AND WEST OF WALK IN WATER ROAD. REGRADE SWALE AREAS AROUND NEW CROSSOVERS.
 4. APPLY TEMPORARY PAINTED STRIPING AND RPMS.
- PHASE IVB
- PHASE IVB IS INTENDED TO CONSTRUCT THE RCUT BETWEEN STATION 1092+66.40 AND 1105+03.70 (RCUT) AND MILL AND RESURFACE ALL EXISTING CROSSOVER LOCATIONS ALONG THE ENTIRE PROJECT. DO NOT CONSTRUCT ADJOINING CROSSOVERS SIMULTANEOUSLY. IMPLEMENT DETOUR 1 RESPECTIVELY.
1. INSTALL ADVANCE WARNING SIGNS AND CHANNELIZING DEVICES PER ADVANCE WARNING LAYOUT DETAIL AND STANDARD PLANS INDEXES 102-602, 102-613 & 102-615.
 2. CONSTRUCT PROPOSED RCUT (RESTRICTED CROSSING U-TURN) AT WALK IN WATER ROAD AND REGRADE SWALE AREAS DEPICTED IN PLANS.
 3. APPLY TEMPORARY PAINTED STRIPING AND RPMS.

- PHASE V
1. INSTALL ADVANCE WARNING SIGNS AND CHANNELIZING DEVICES PER ADVANCE WARNING LAYOUT DETAIL AND STANDARD PLANS INDEXES 102-602, 102-613, 102-615 & 102-661.
 2. PLACE FRICTION COURSE, FINAL PAVEMENT MARKINGS, AND RPMS AFTER ASPHALT CURING PERIOD.
 3. INSTALL TMS LOOPS.
 4. PERFORM LONGITUDINAL GROOVING AT LOCATIONS DETAILED IN THE PLANS 30 DAYS AFTER LAYING FRICTION COURSE.

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REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD
RONALD A. CELIZ, P.E.
LICENSE NUMBER: 87465
ROADWAY DESIGN SOLUTIONS, INC.
8600 NW 17TH STREET, SUITE 145
DORAL, FL 33126

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	POLK	449276-1-52-01

**TEMPORARY TRAFFIC CONTROL
PLANS**

SHEET NO.
84

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MESSAGE 1 PCMS (1) MESSAGE 2
 USE 14 DAYS PRIOR TO CONSTRUCTION:

MEDIAN CLOSED AHEAD
 MM-DD-YY

PCMS (2)
 DURING MEDIAN CLOSURE:

MEDIAN CLOSED AHEAD
 FOLLOW DETOUR ROUTE

PCMS
 WALK IN WATER ROAD
 DETOUR

1. PCMS SHALL BE PLACED 1000-FT FROM THE WORK ZONE AT EACH END OF THE PROJECT.
 W20-2A SIGN SHALL BE PLACED 500' UPSTREAM OF THE PCMS.

SIGN PANEL LEGEND

M4-8 24X12	M6-3 21X15	FTP-82-08 24X36	W20-02 36X36
M3-3 24X12	M5-1 21X15	W4-8A 24x18	W16-8P VARIES X 8
M3-1 24X12	M6-1 21X15		



LEGEND

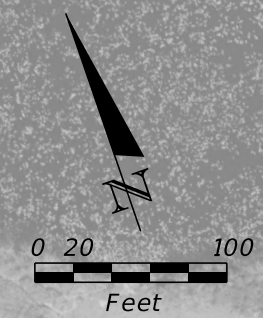
	WORK ZONE
	WORK ZONE SIGN
	PORTABLE CHANGEABLE MESSAGE SIGN(PCMS)
	NORTHBOUND DETOUR
	SOUTHBOUND DETOUR
	TYPE III BARRICADE
	DIRECTION OF TRAFFIC

**WALK IN WATER RD
 VEHICULAR DETOUR 1**

6/19/2024 3:59:19 PM rceliz C:\Users\ipitg\OneDrive\Design Solutions, Inc\SharePoint - Projects\2022-11 (SR60 - D)\CADD\Roadway\TCDRD01.dgn

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLANS	SHEET NO. 85
DATE	DESCRIPTION	DATE	DESCRIPTION	RONALD A. CELIZ, P.E. LICENSE NUMBER: 87465 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		



LEGEND	
	WORK ZONE
	CRASH CUSHION
	DIRECTION OF TRAFFIC

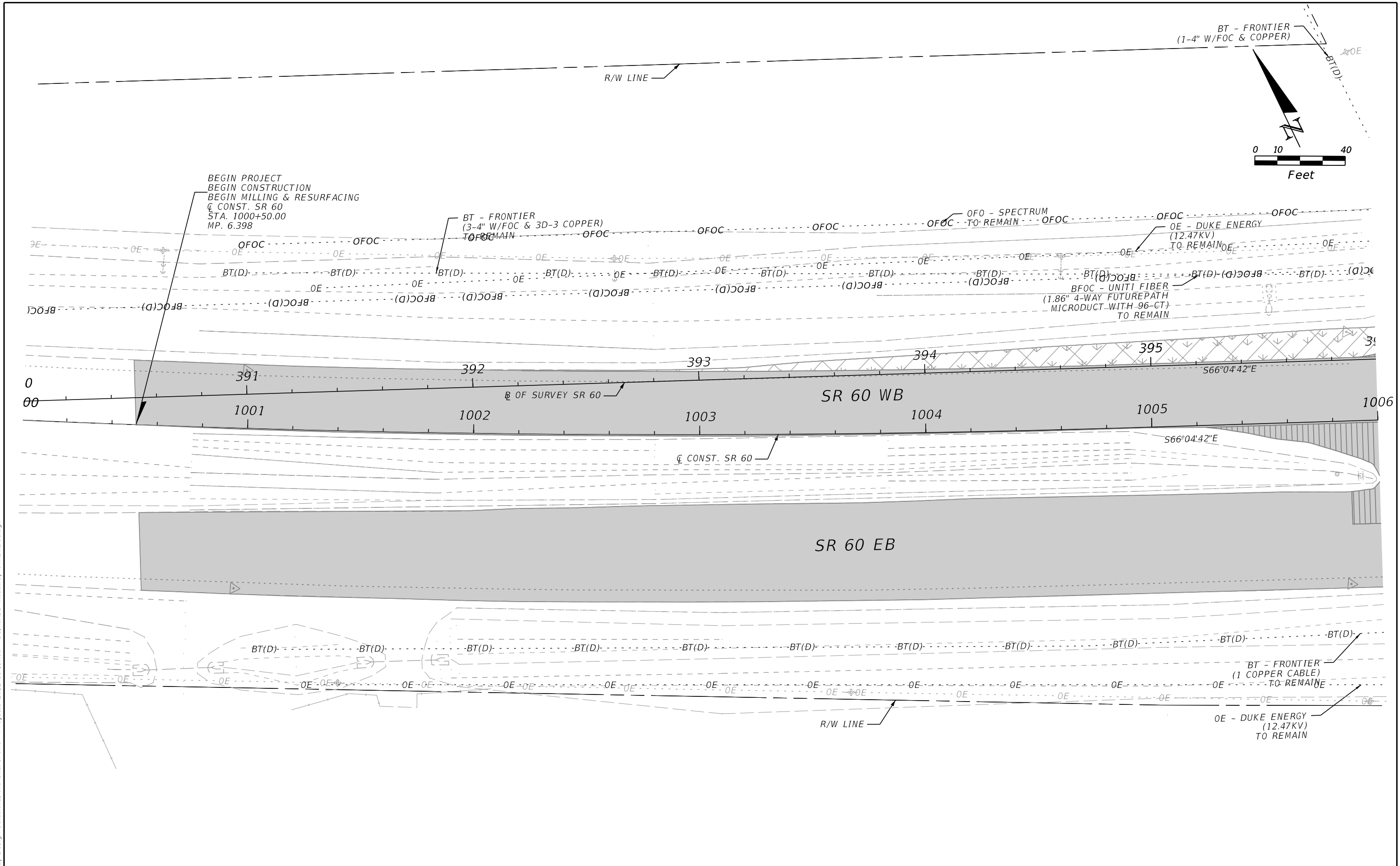
TYPE K TEMPORARY CONC. BARRIER SYSTEM LAYOUT

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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 86
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				RONALD A. CELIZ, P.E. LICENSE NUMBER: 87465 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			SR 60	POLK	449276-1-52-01	
TEMPORARY TRAFFIC CONTROL PLANS										

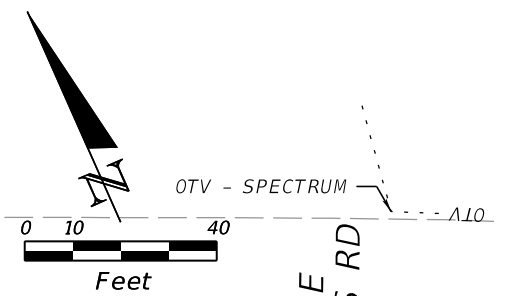
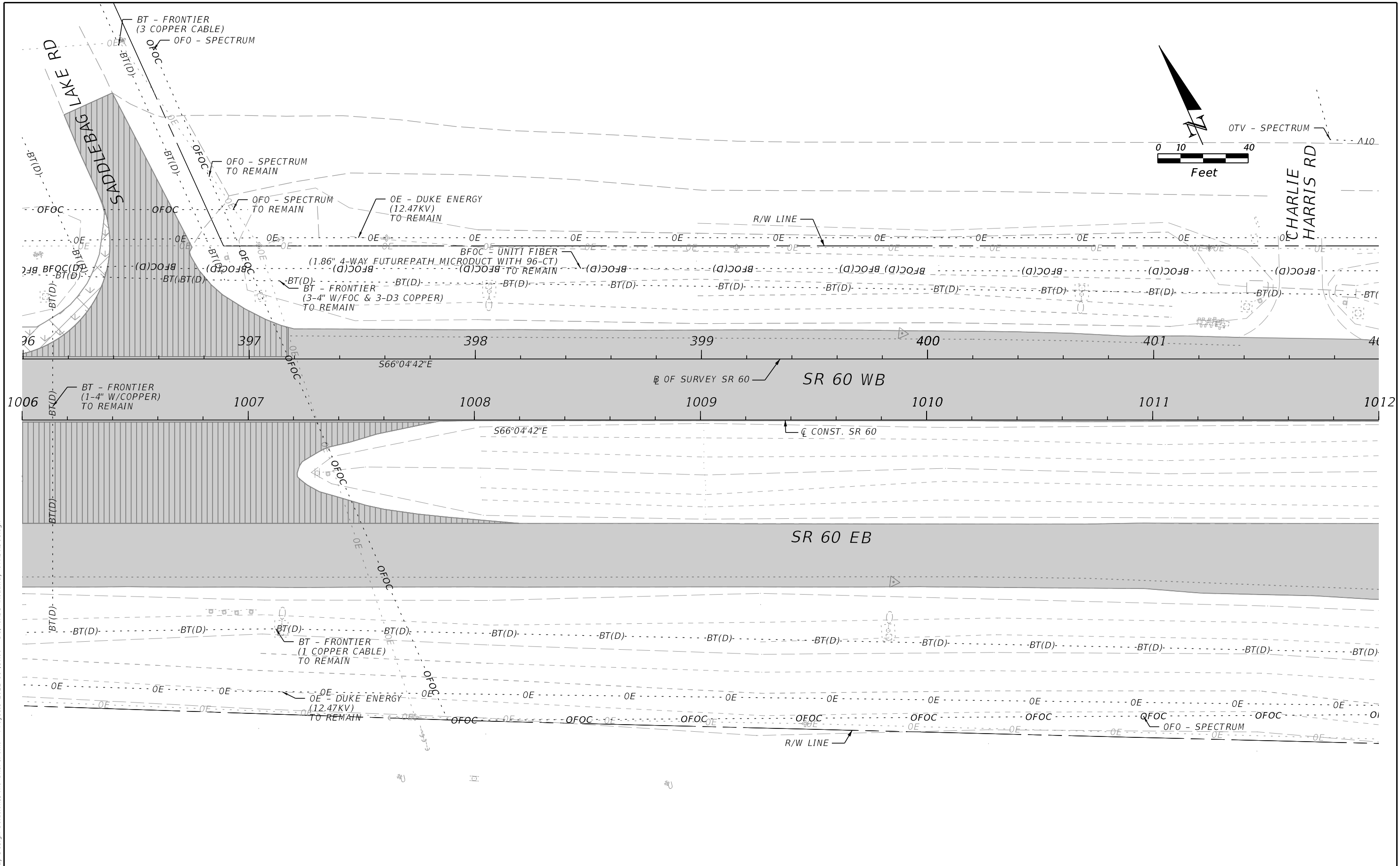
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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	POLK	449276-1-52-01	87

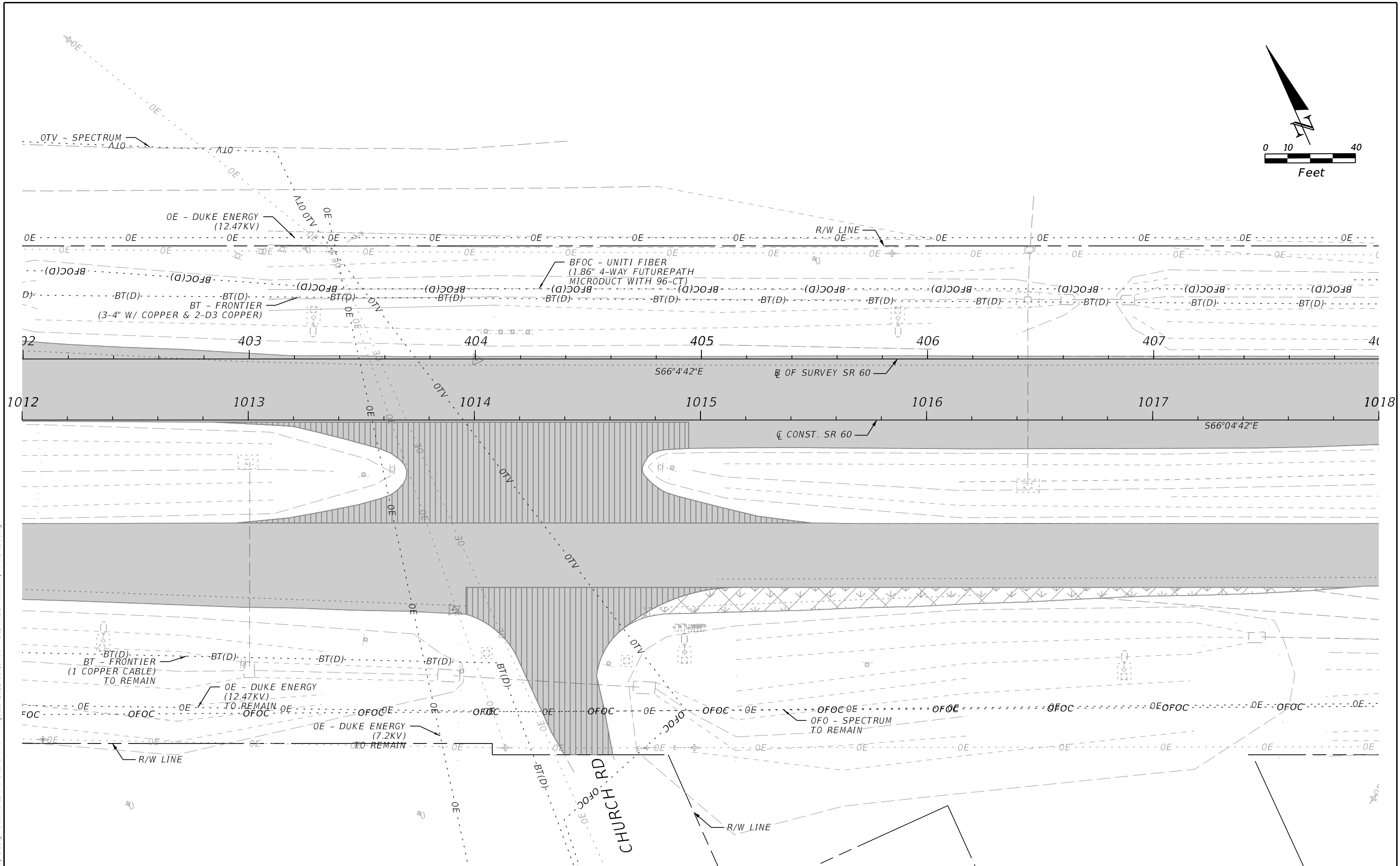
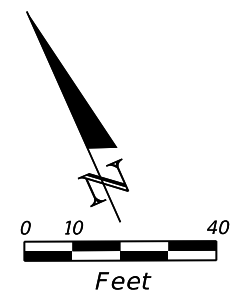
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS	SHEET NO. 88
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

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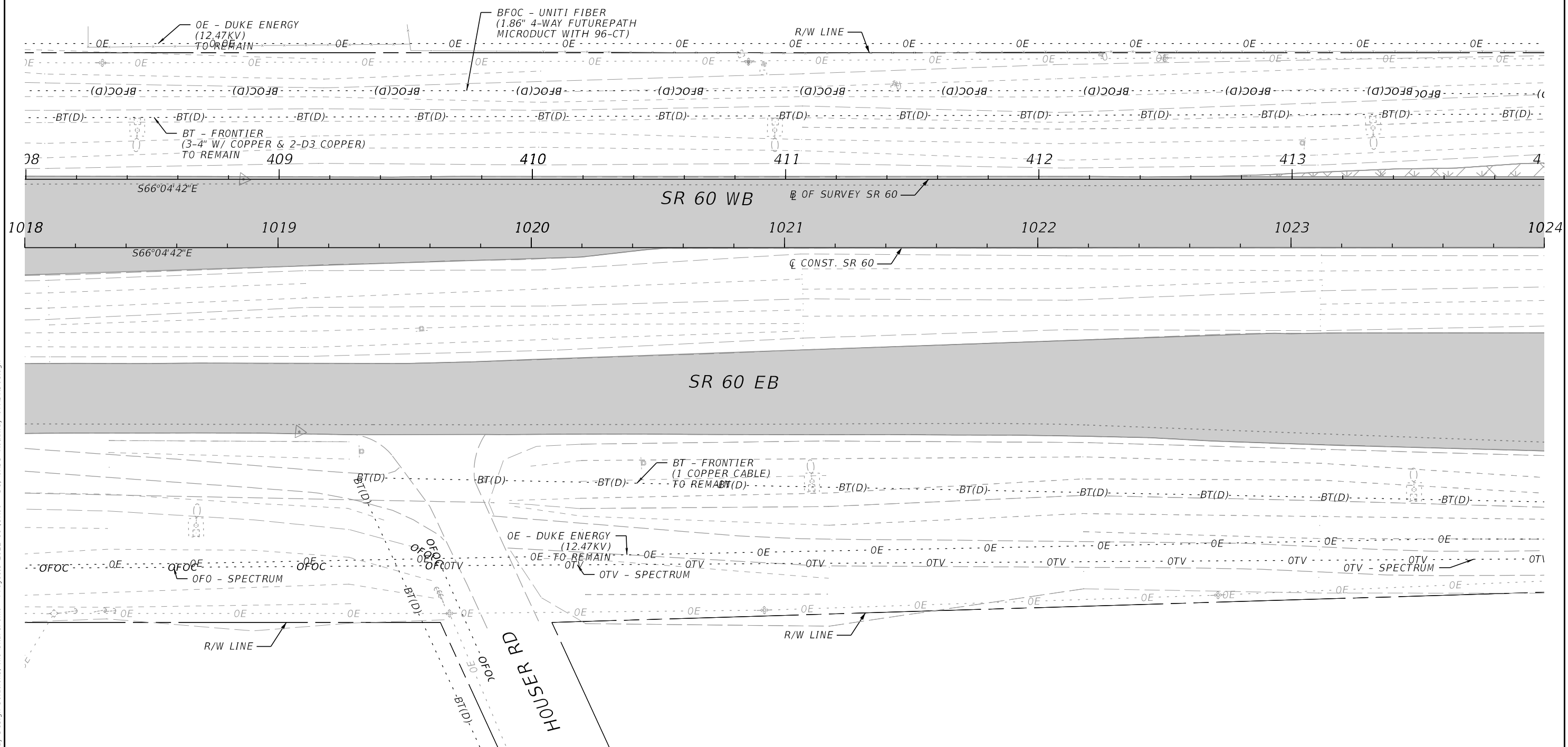
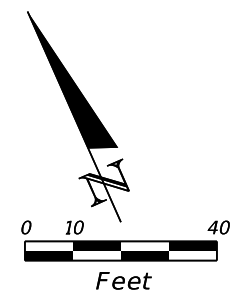


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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126	SR 60	POLK	449276-1-52-01	89

UTILITY ADJUSTMENTS

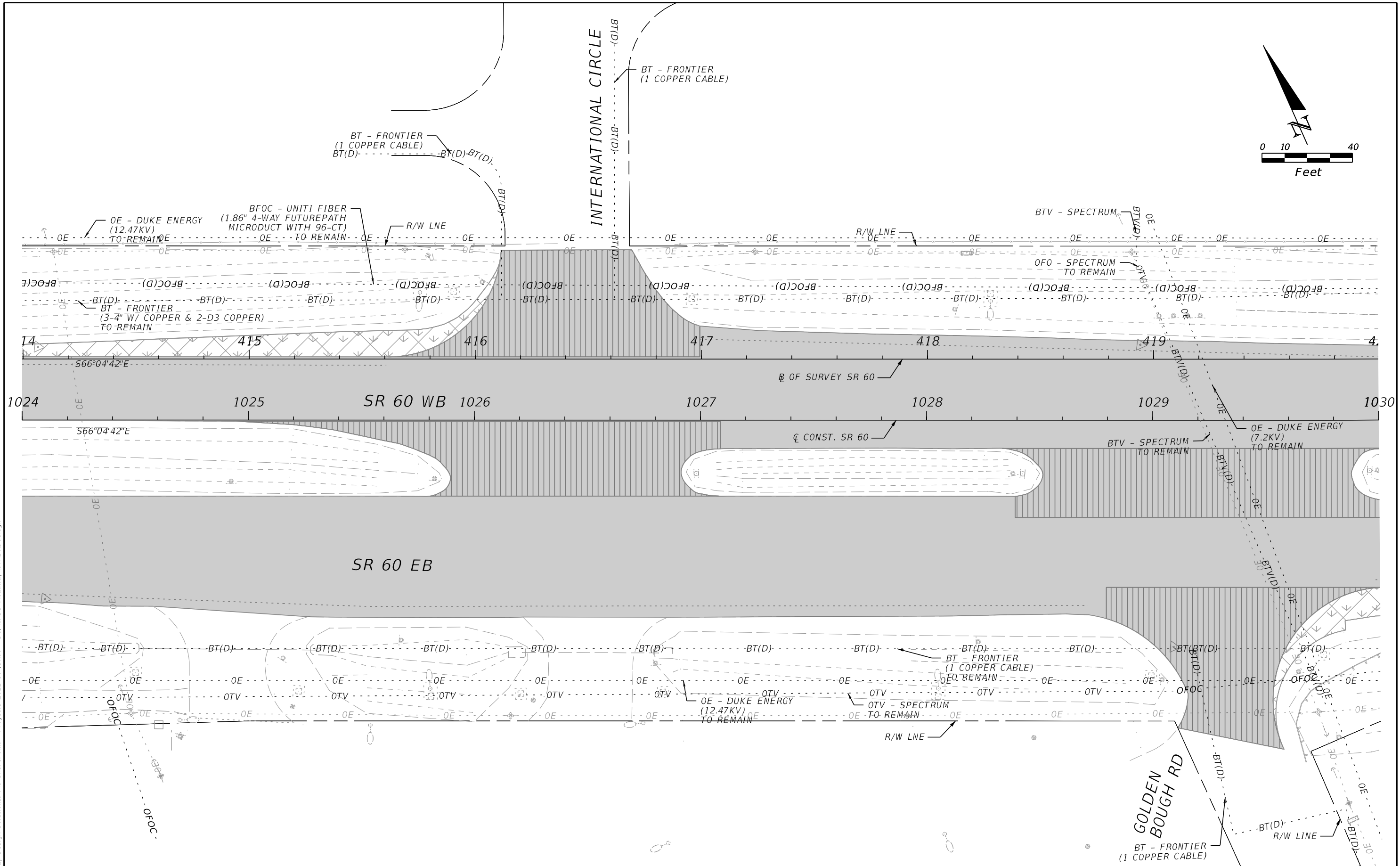
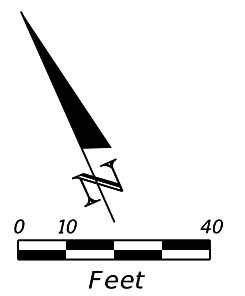
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		90
						SR 60	POLK	449276-1-52-01		

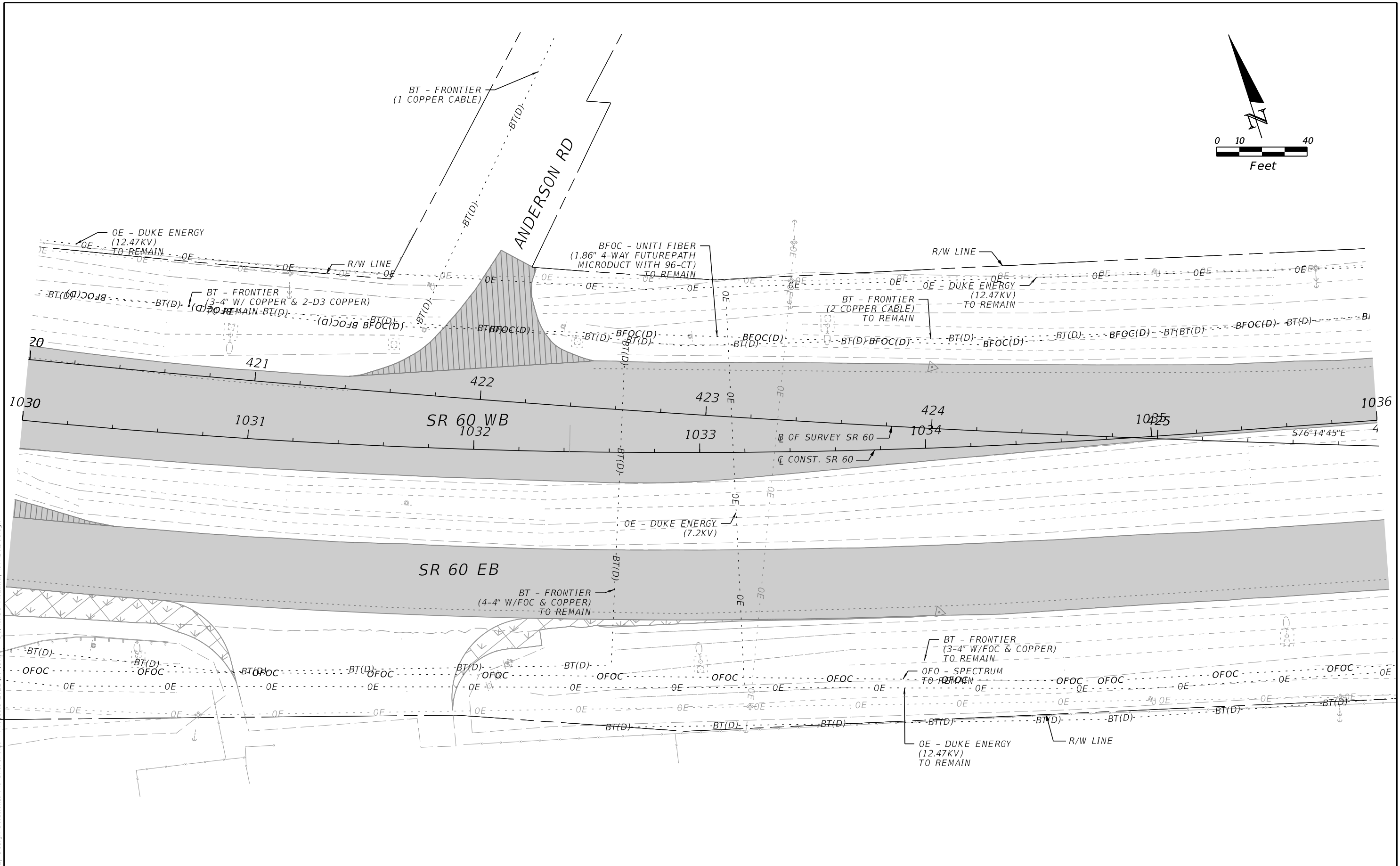
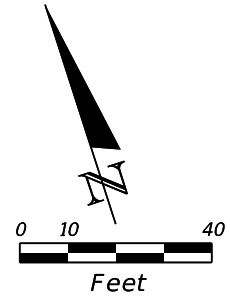


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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		SR 60	POLK	449276-1-52-01	

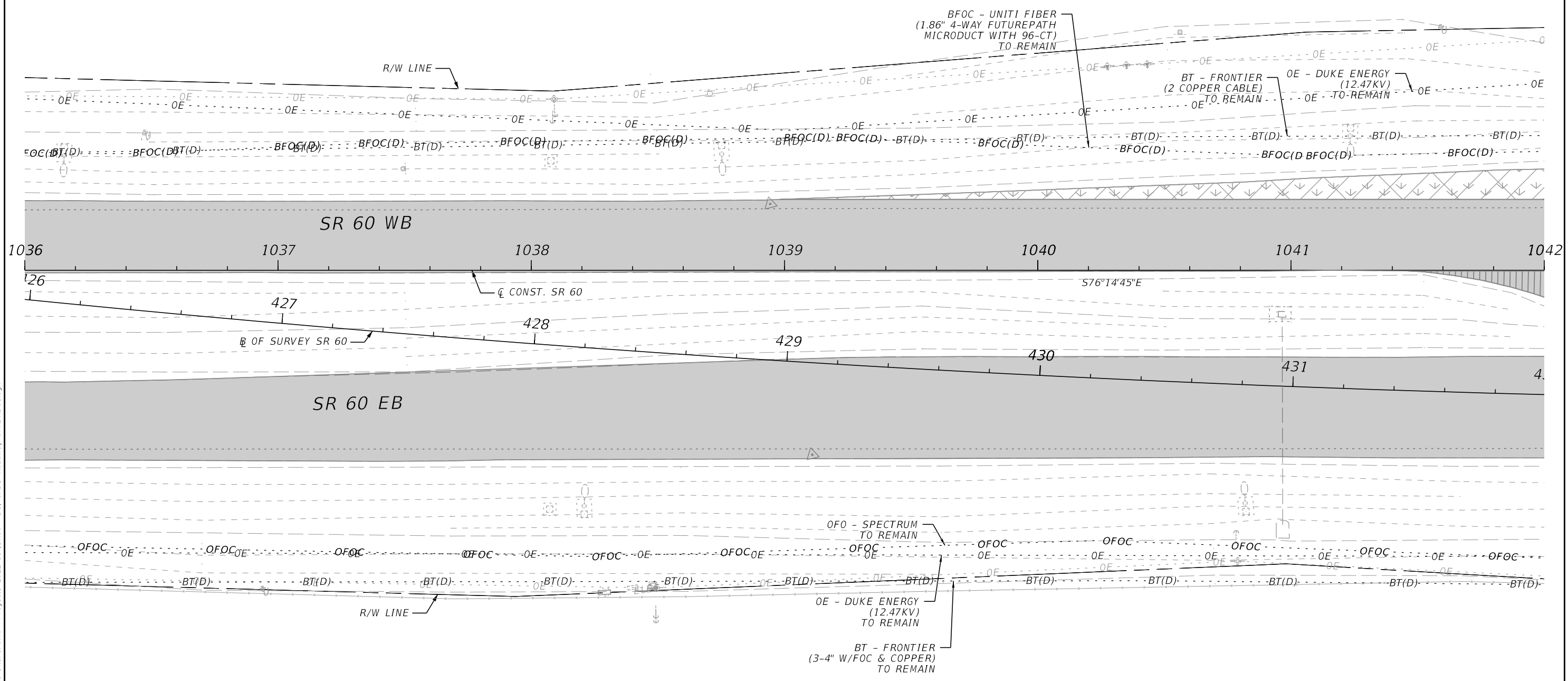
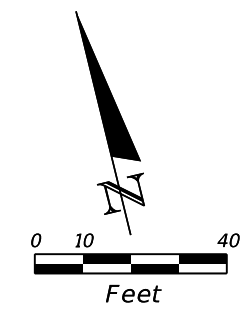
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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS	SHEET NO. 92
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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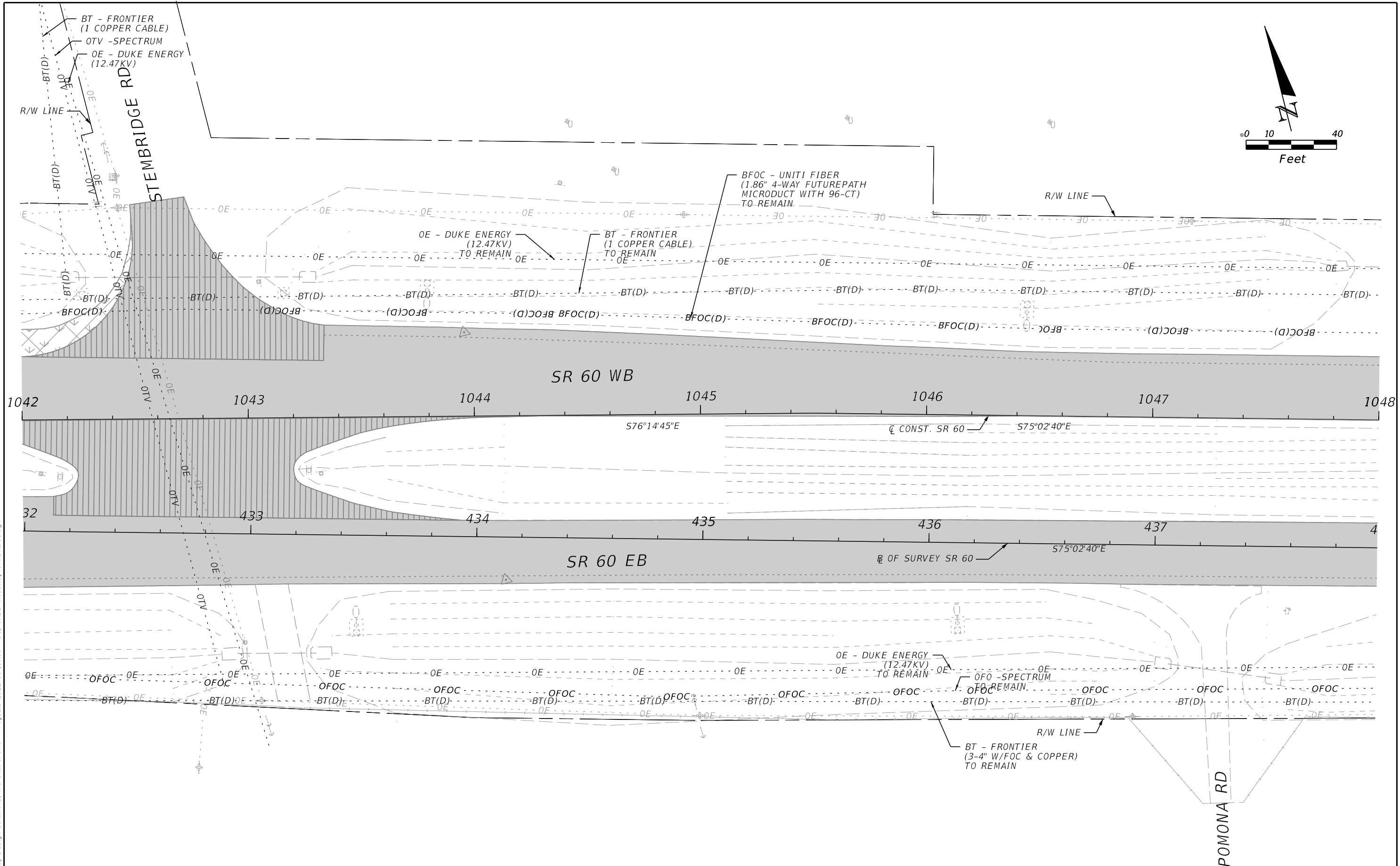
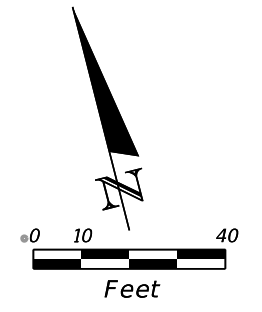


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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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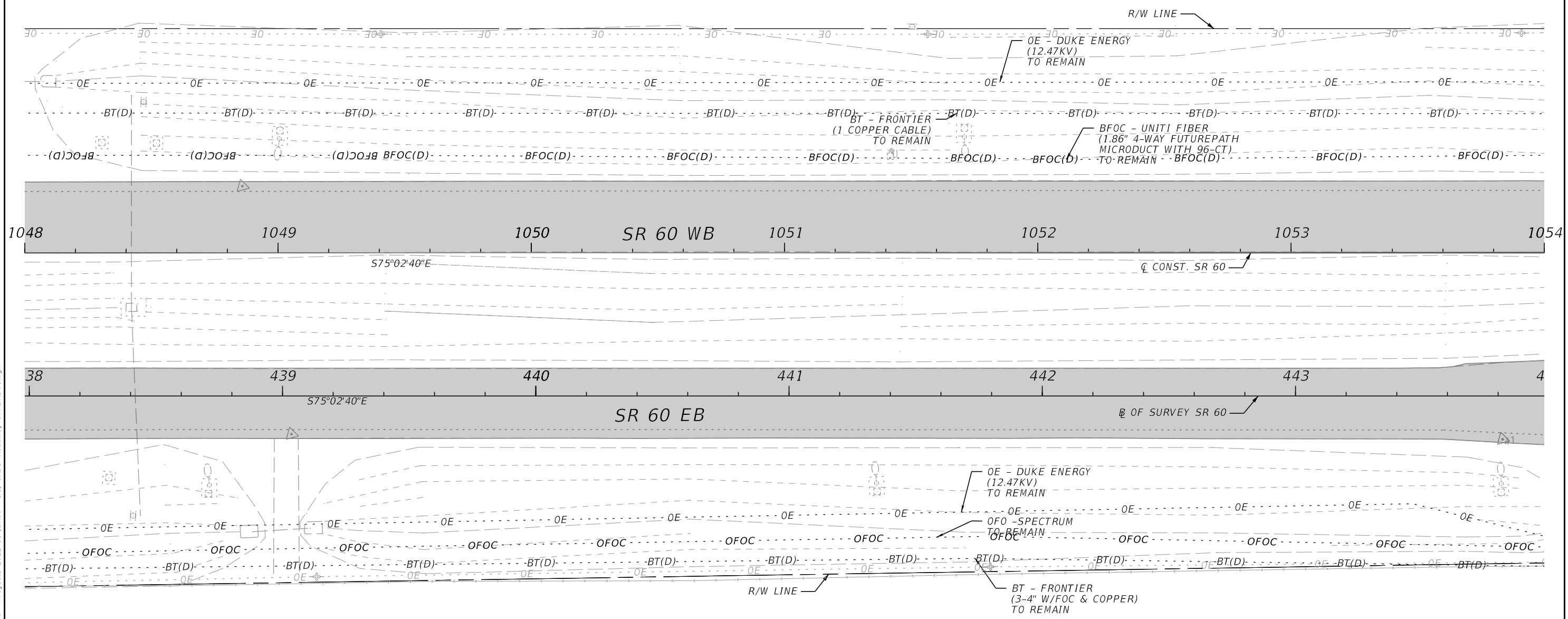
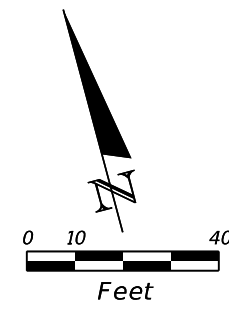
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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS	SHEET NO. 94
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 60	POLK	449276-1-52-01					

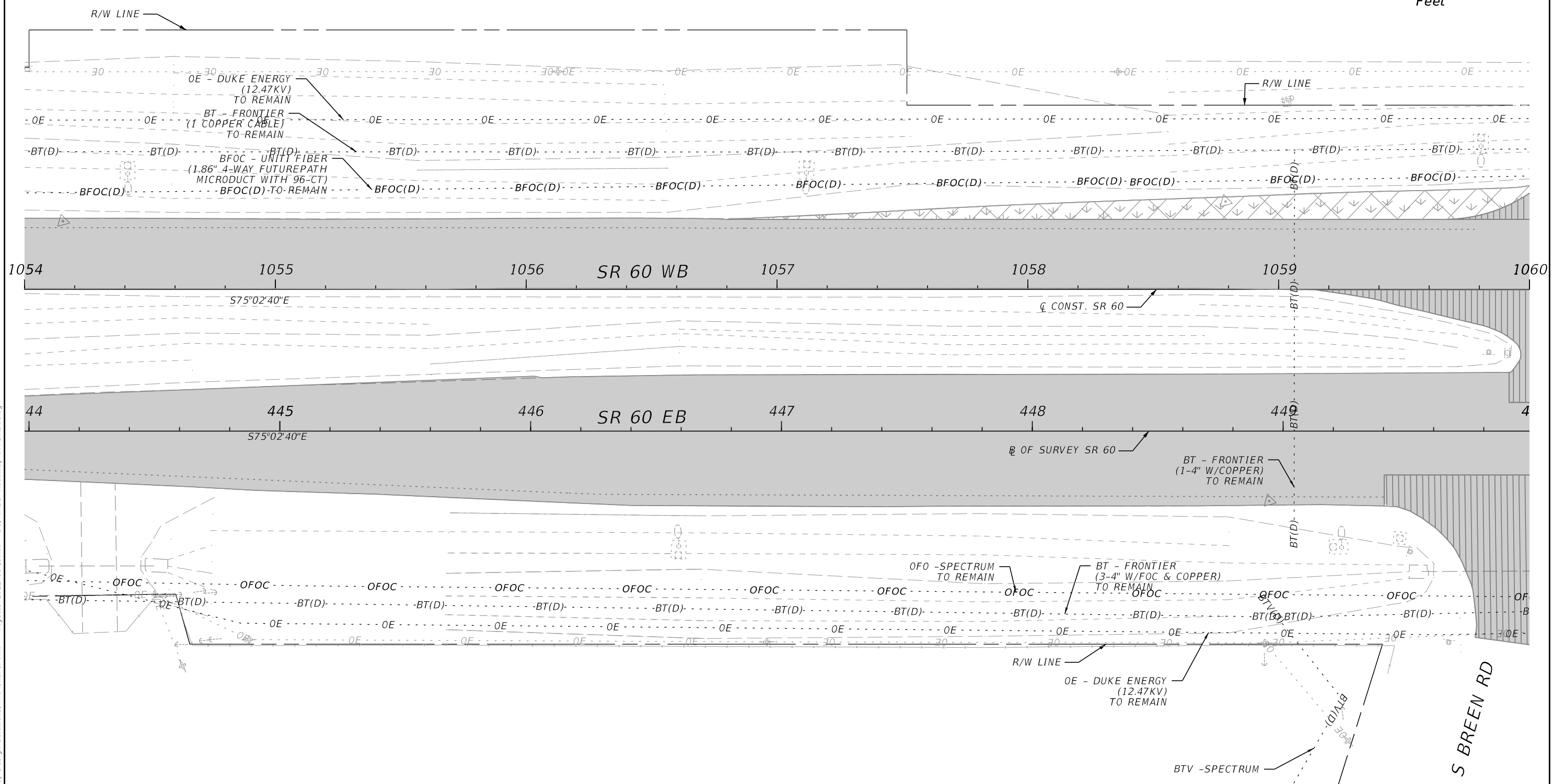
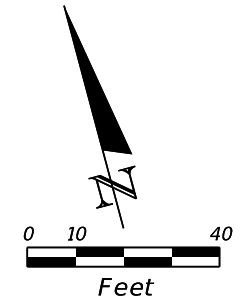


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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							SR 60	POLK	449276-1-52-01	95

UTILITY ADJUSTMENTS

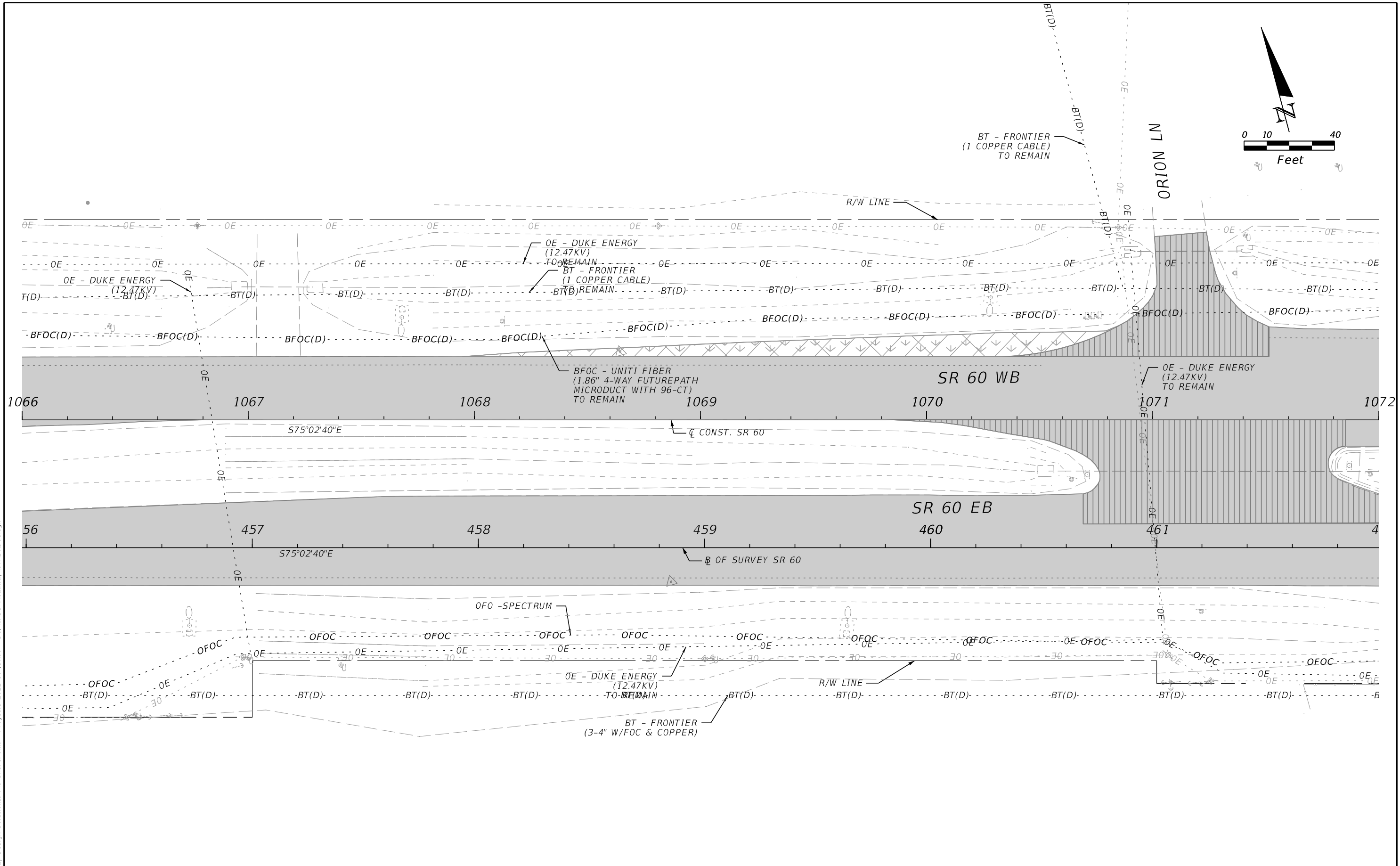
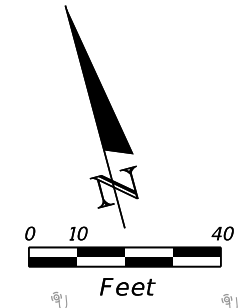
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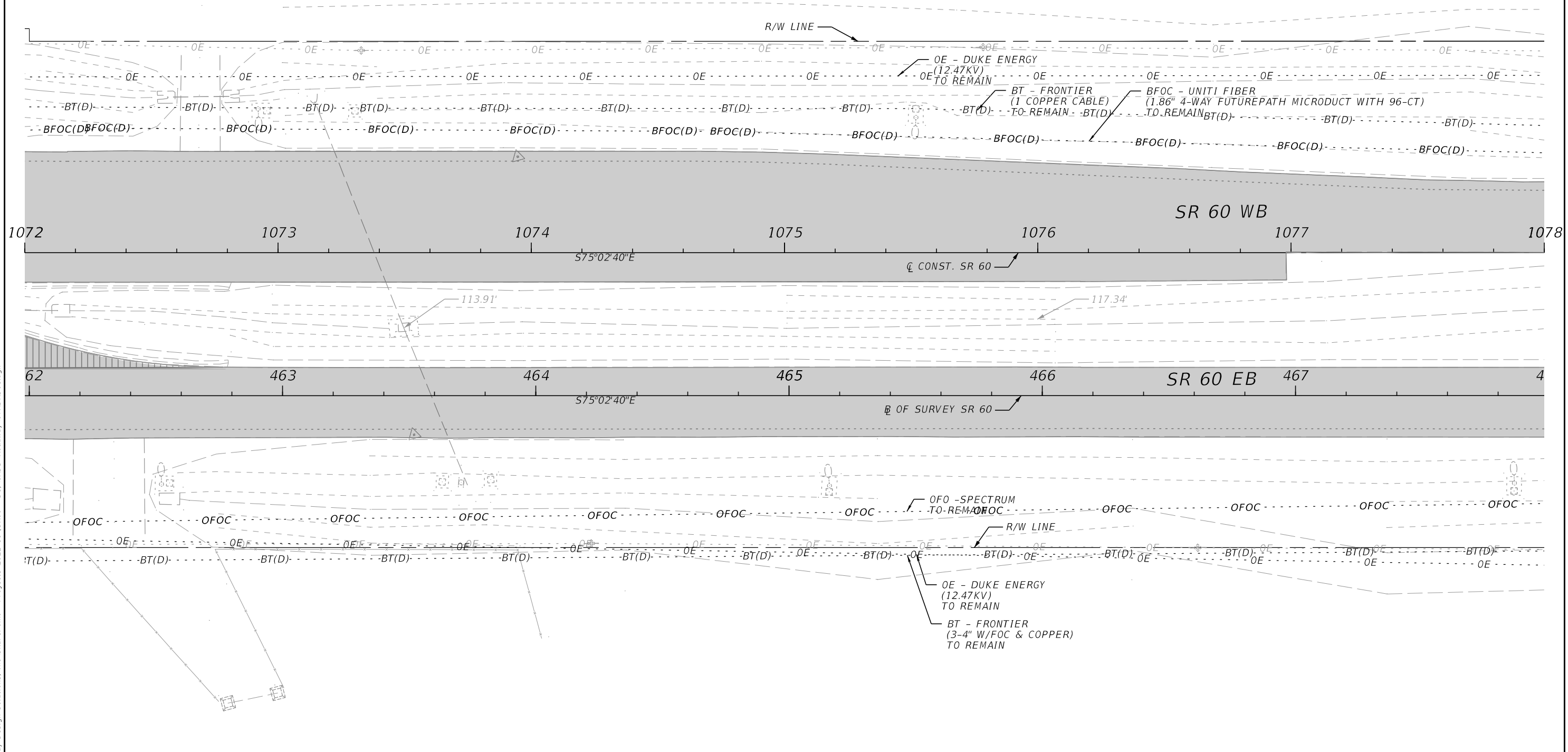
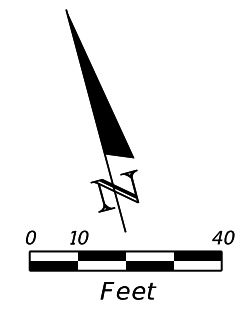
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 60	POLK	449276-1-52-01					



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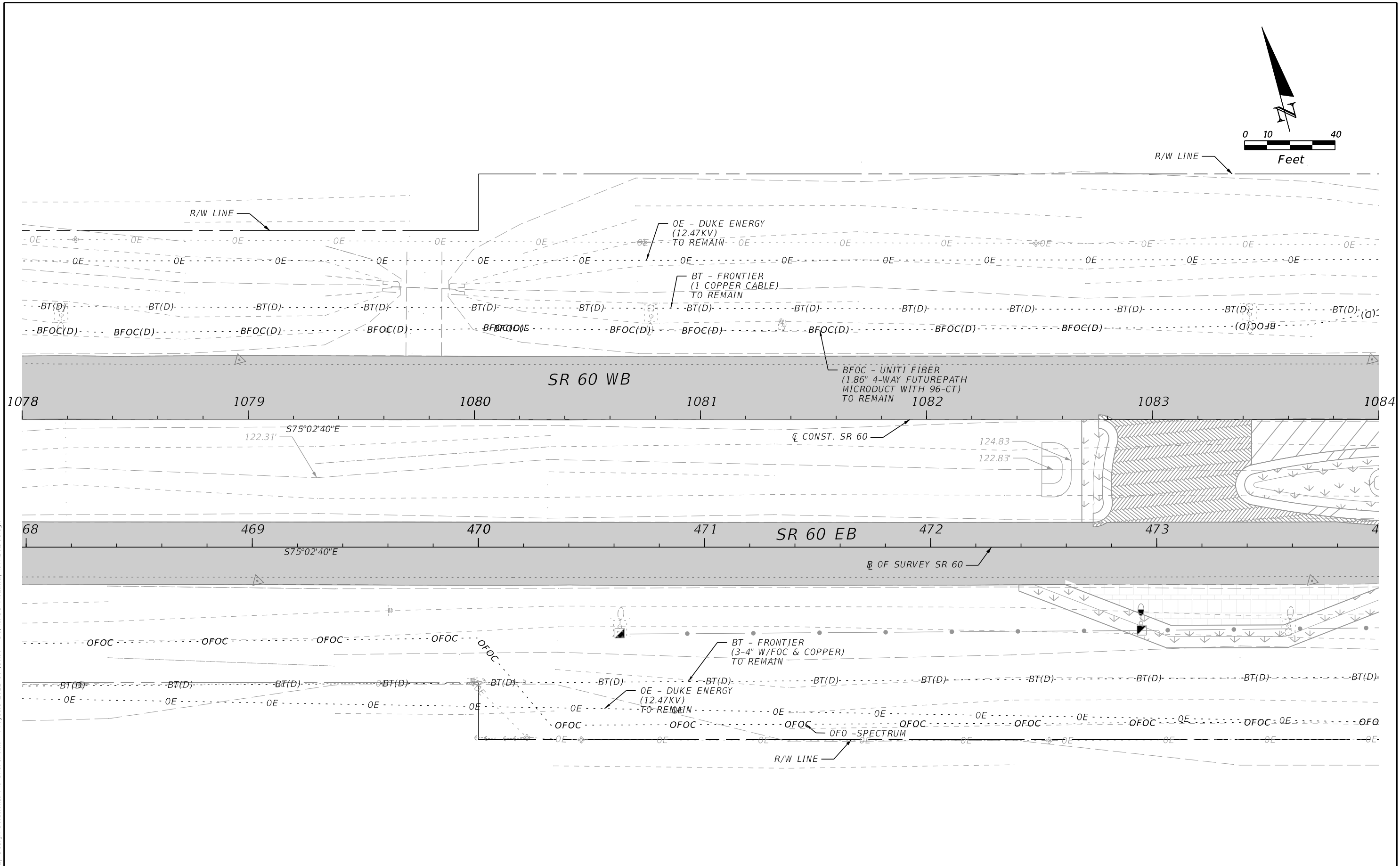
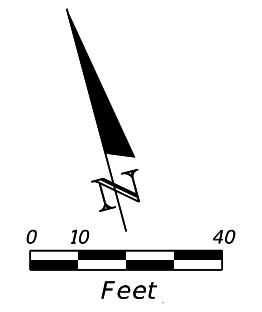
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 60	POLK	449276-1-52-01					



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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			SR 60	POLK	449276-1-52-01		99

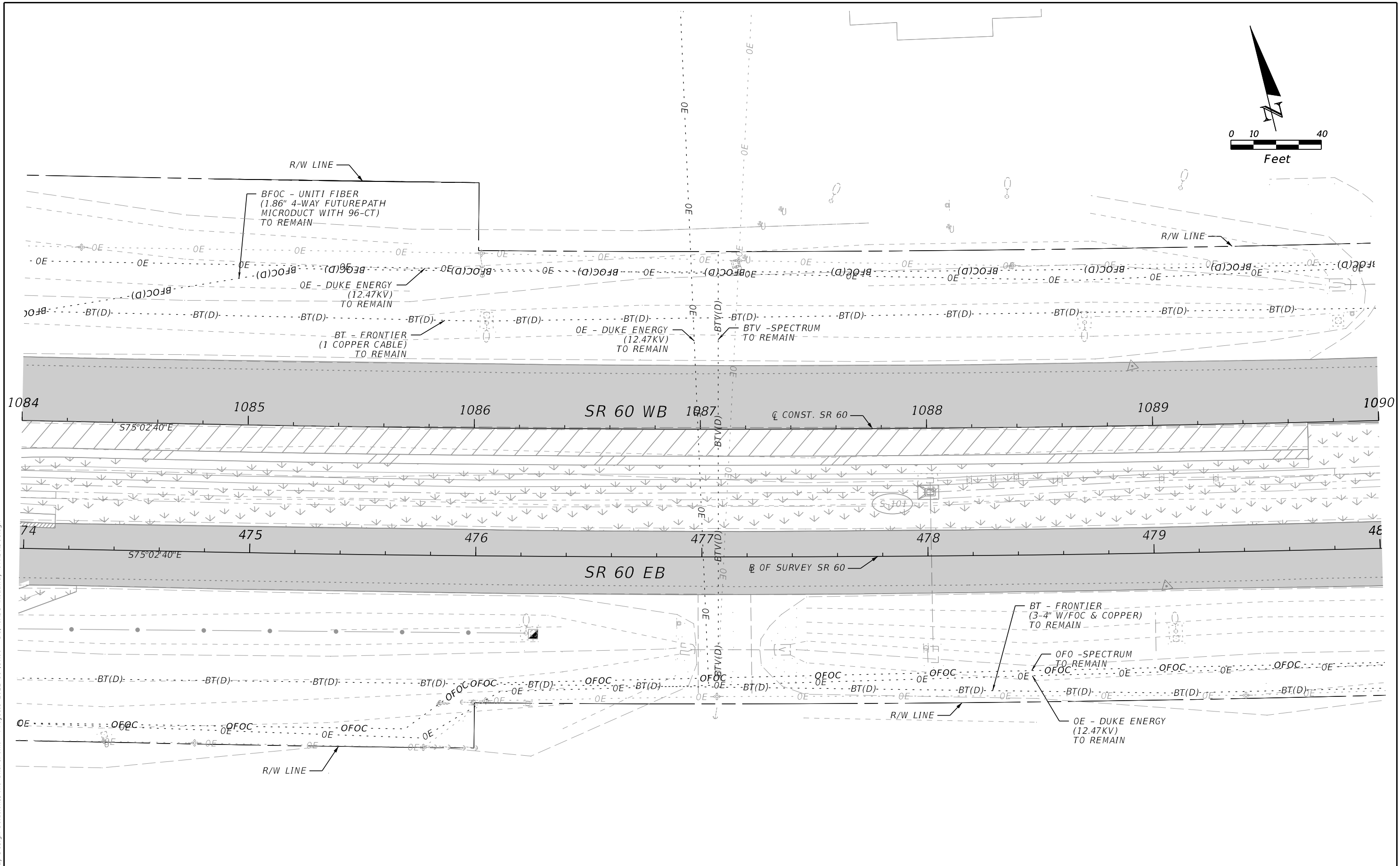
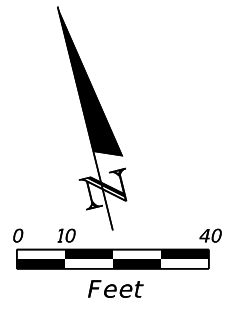


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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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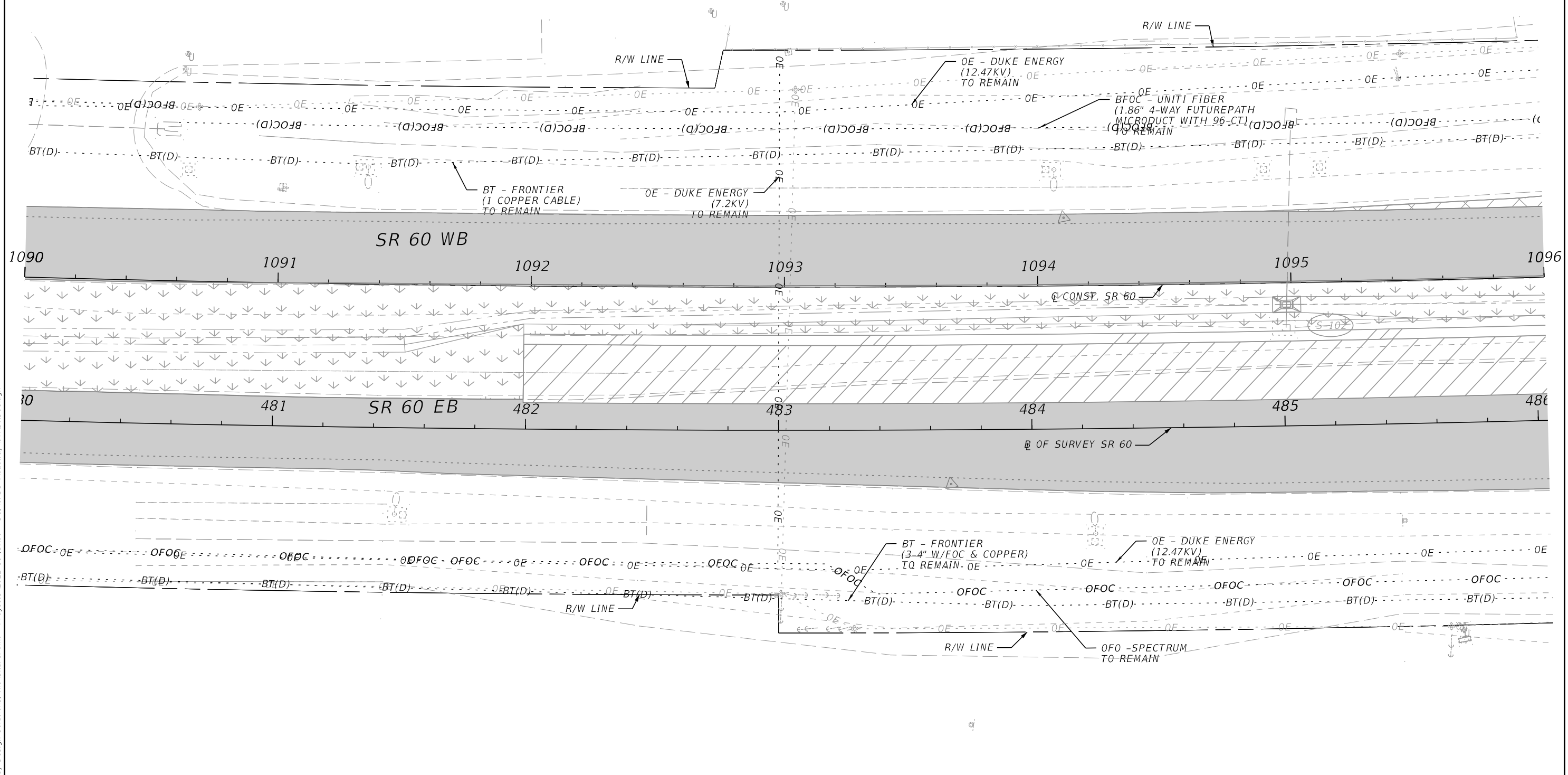
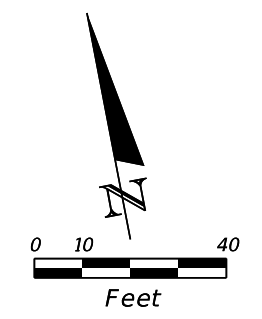
UTILITY ADJUSTMENTS



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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS	SHEET NO. 101
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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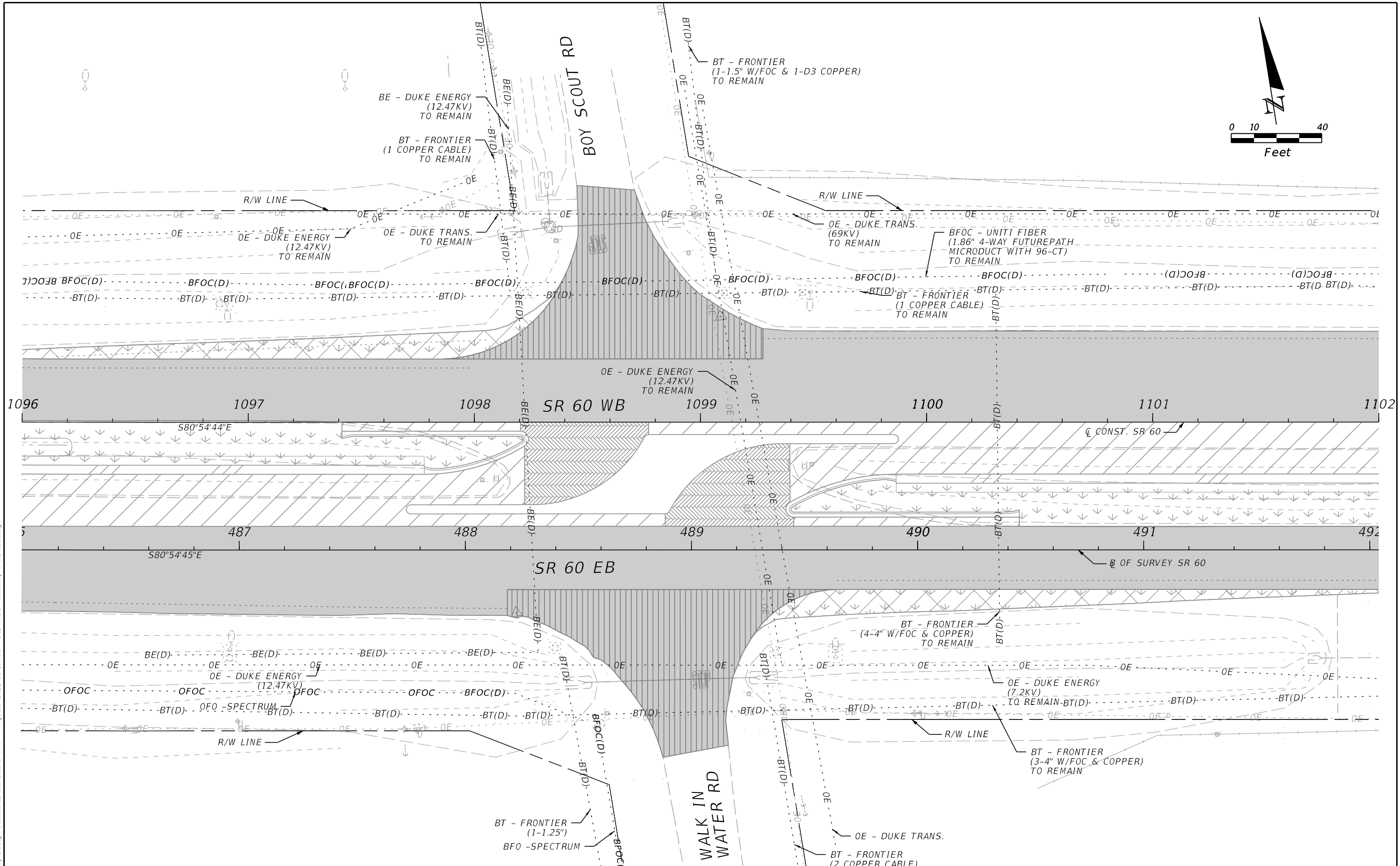
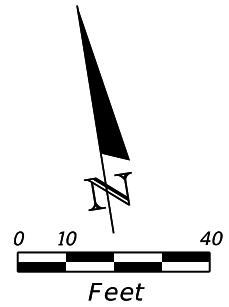


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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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UTILITY ADJUSTMENTS

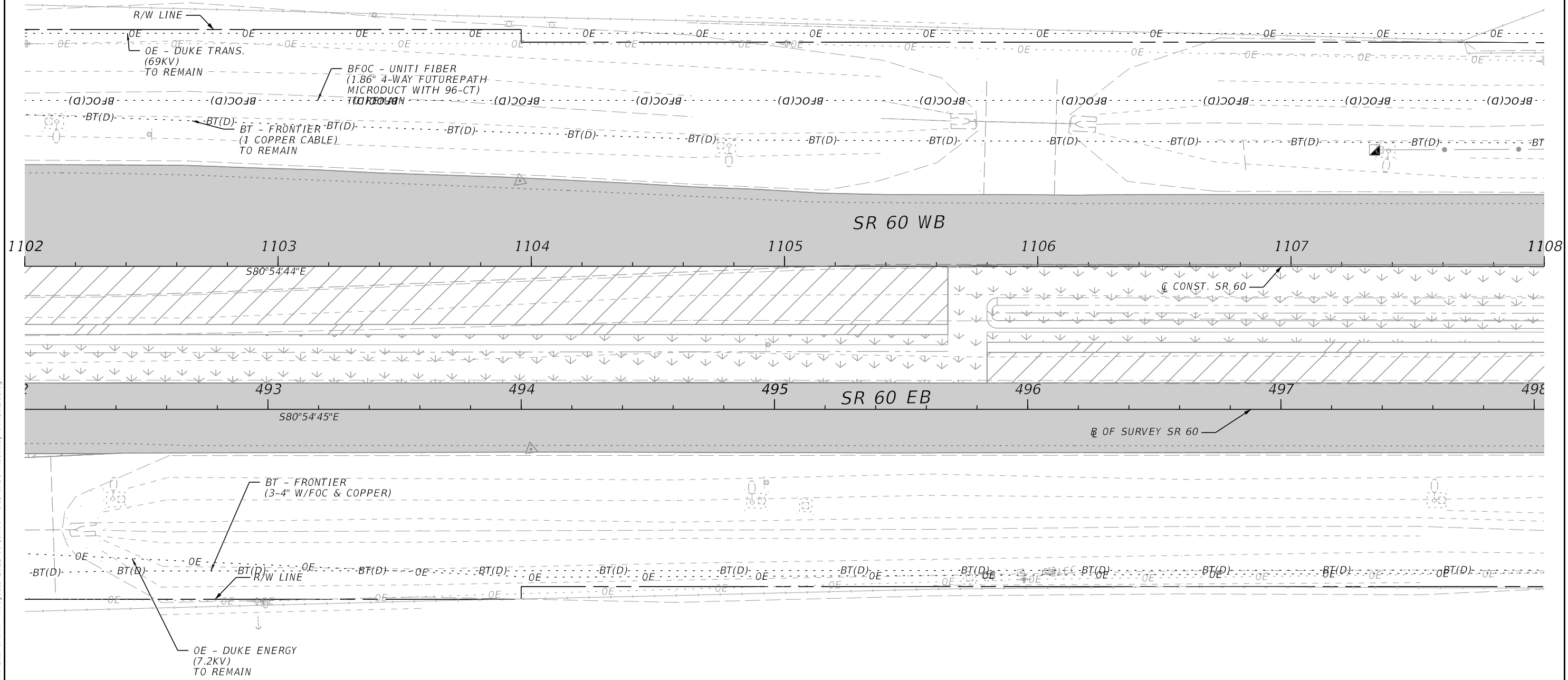
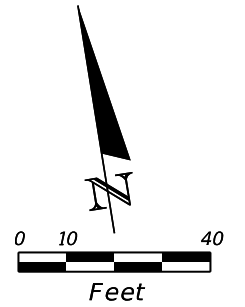


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REVISIONS		REVISIONS		ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126	SR 60	POLK	449276-1-52-01	103

UTILITY ADJUSTMENTS

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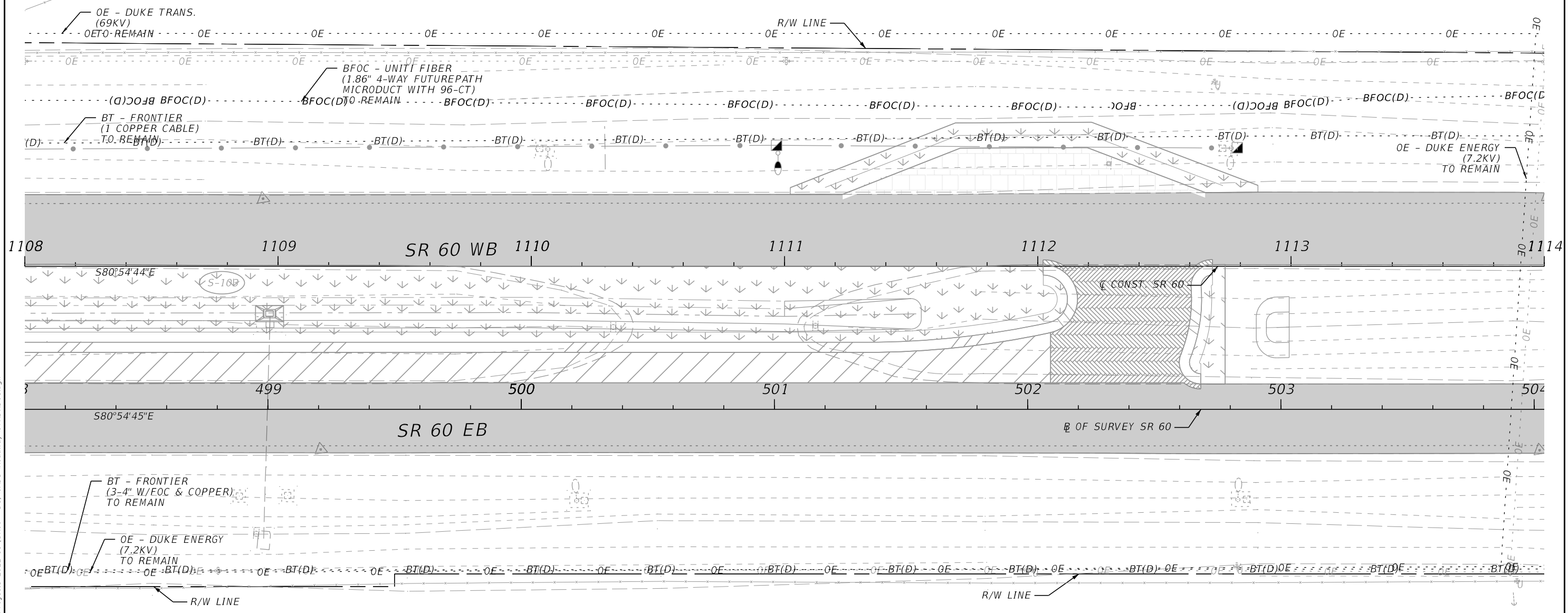
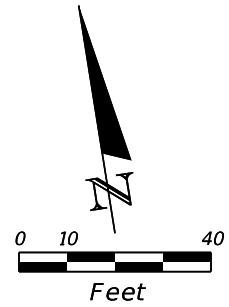


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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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UTILITY ADJUSTMENTS

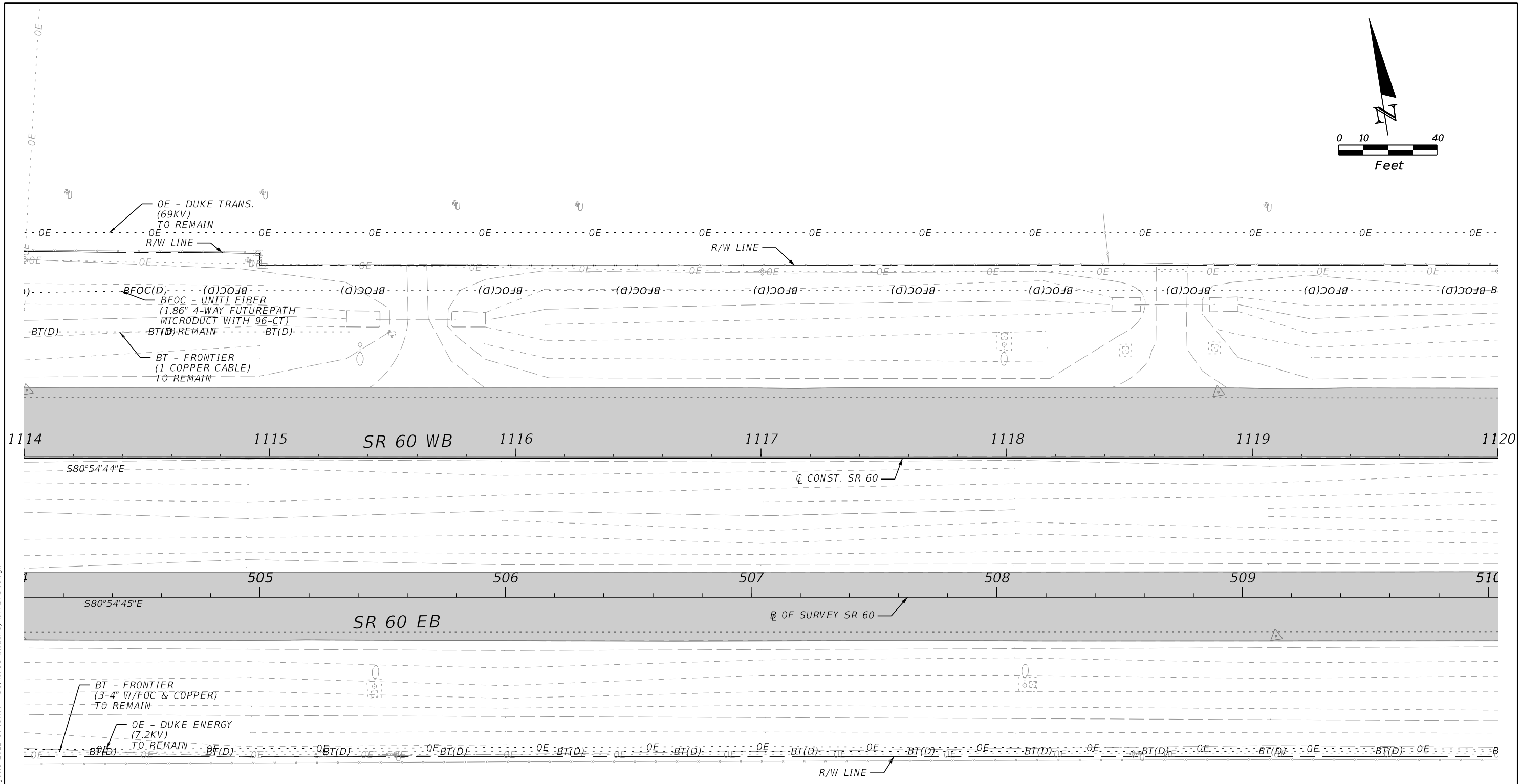
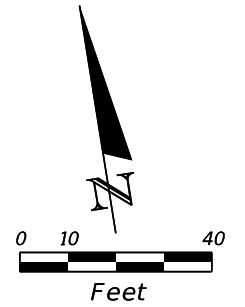
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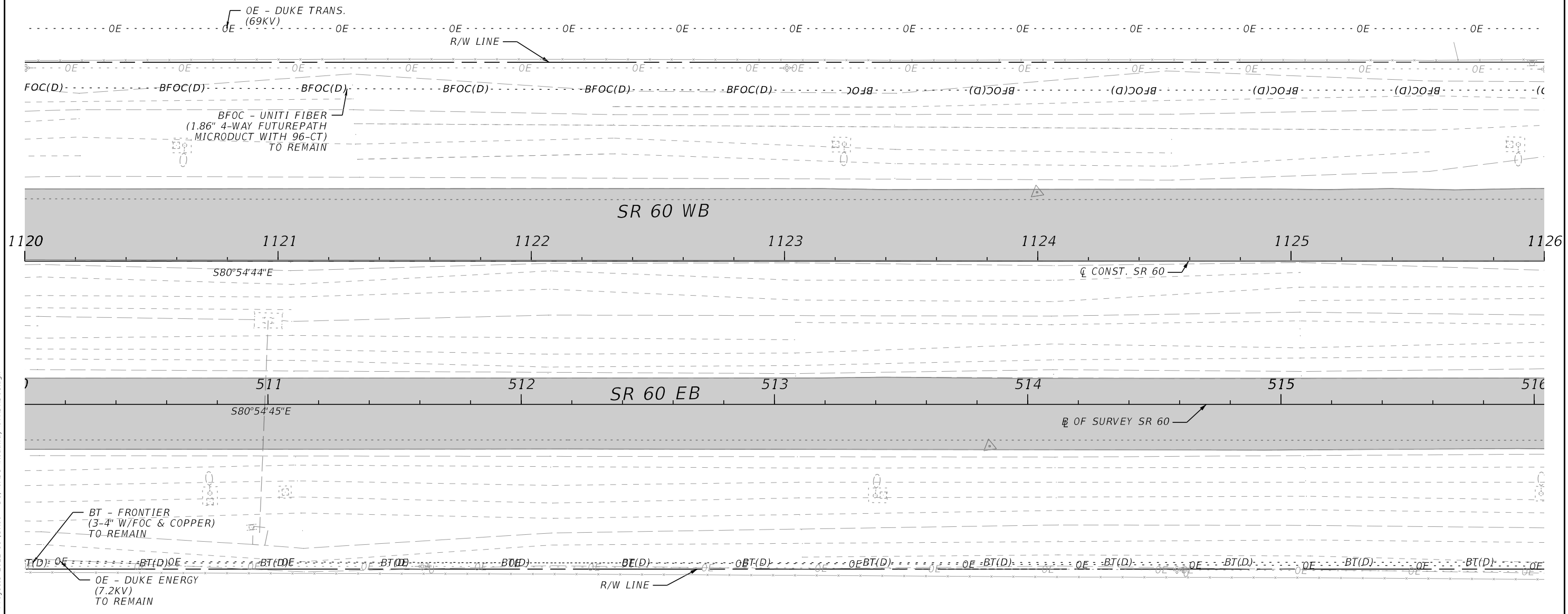
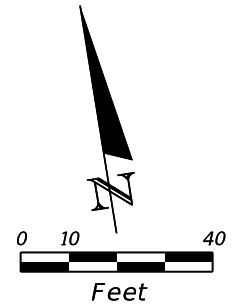
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				SR 60	POLK	449276-1-52-01					



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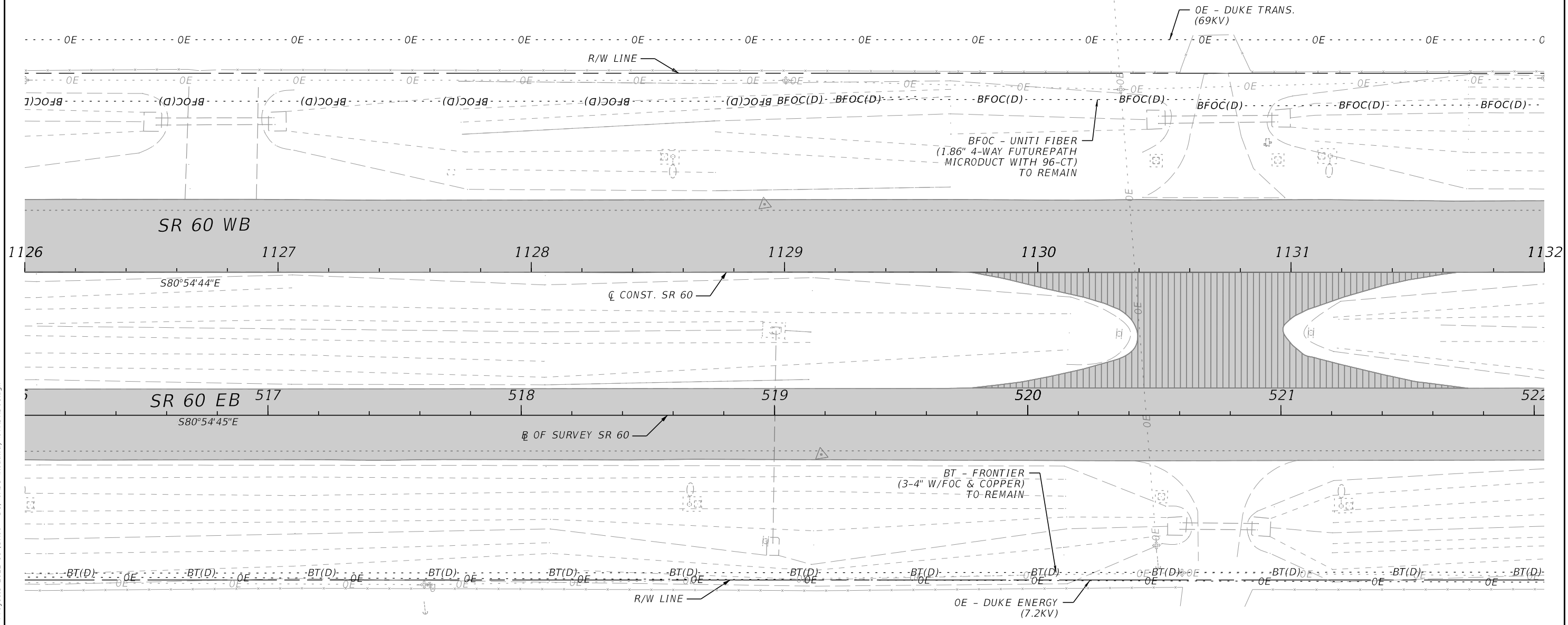
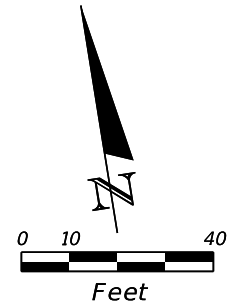
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		107
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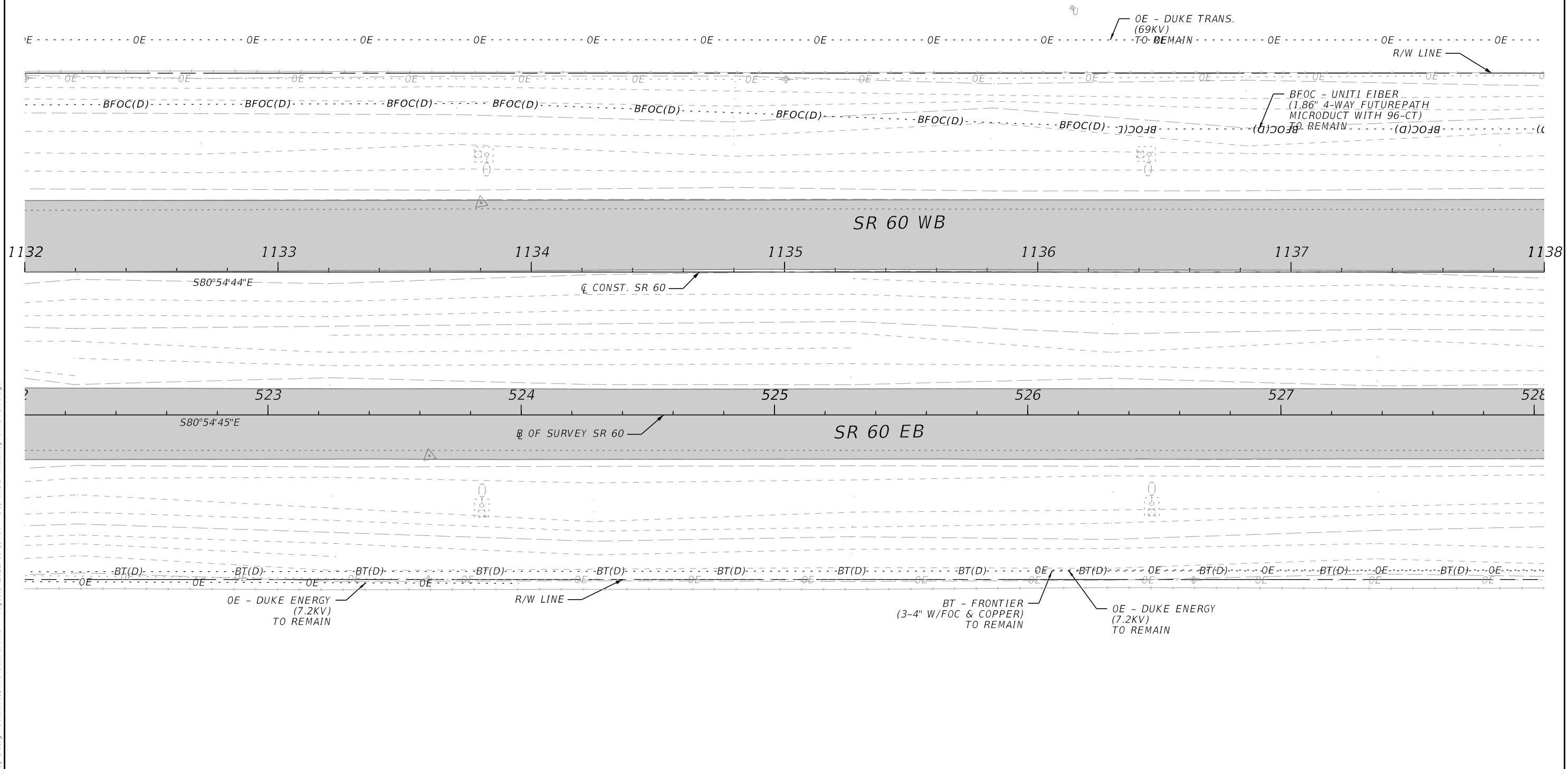
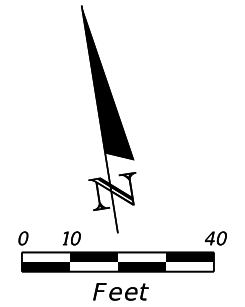


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DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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UTILITY ADJUSTMENTS

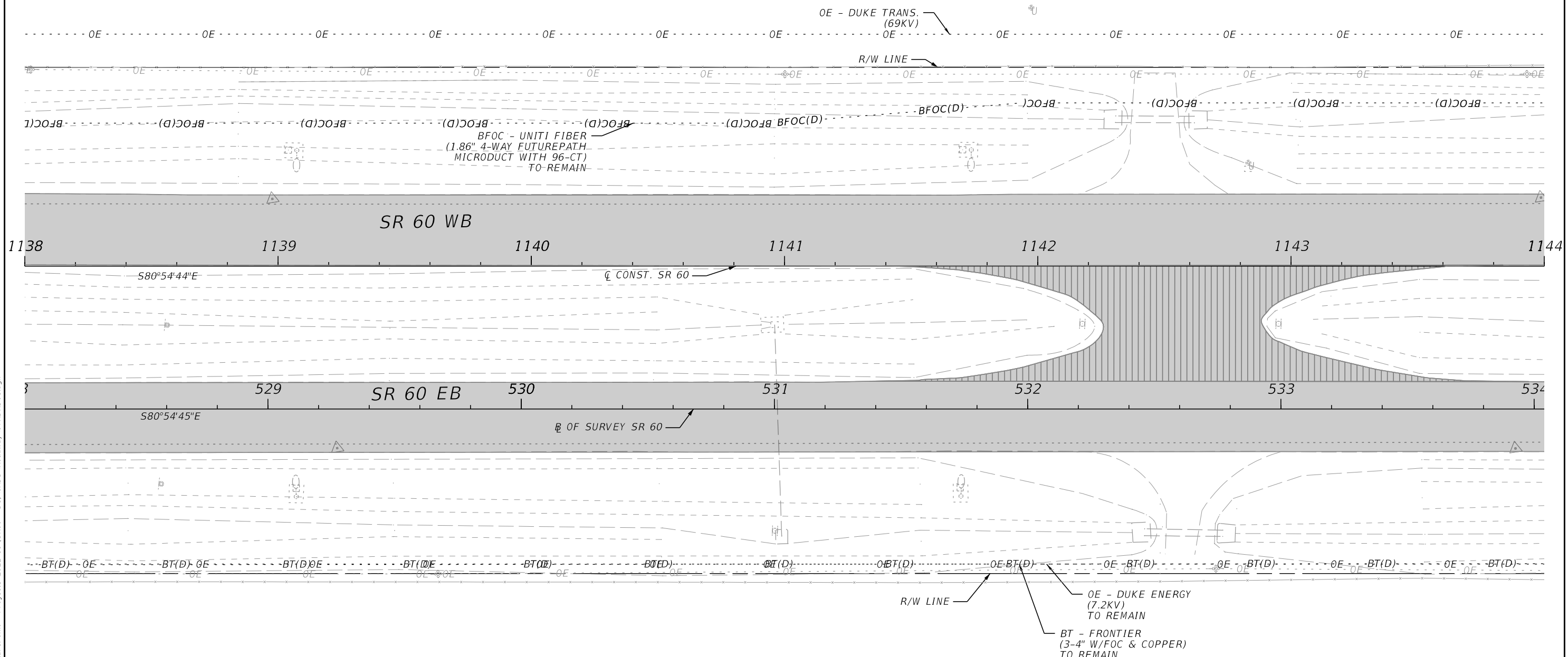
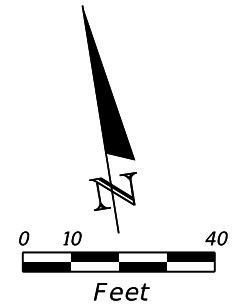
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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		109
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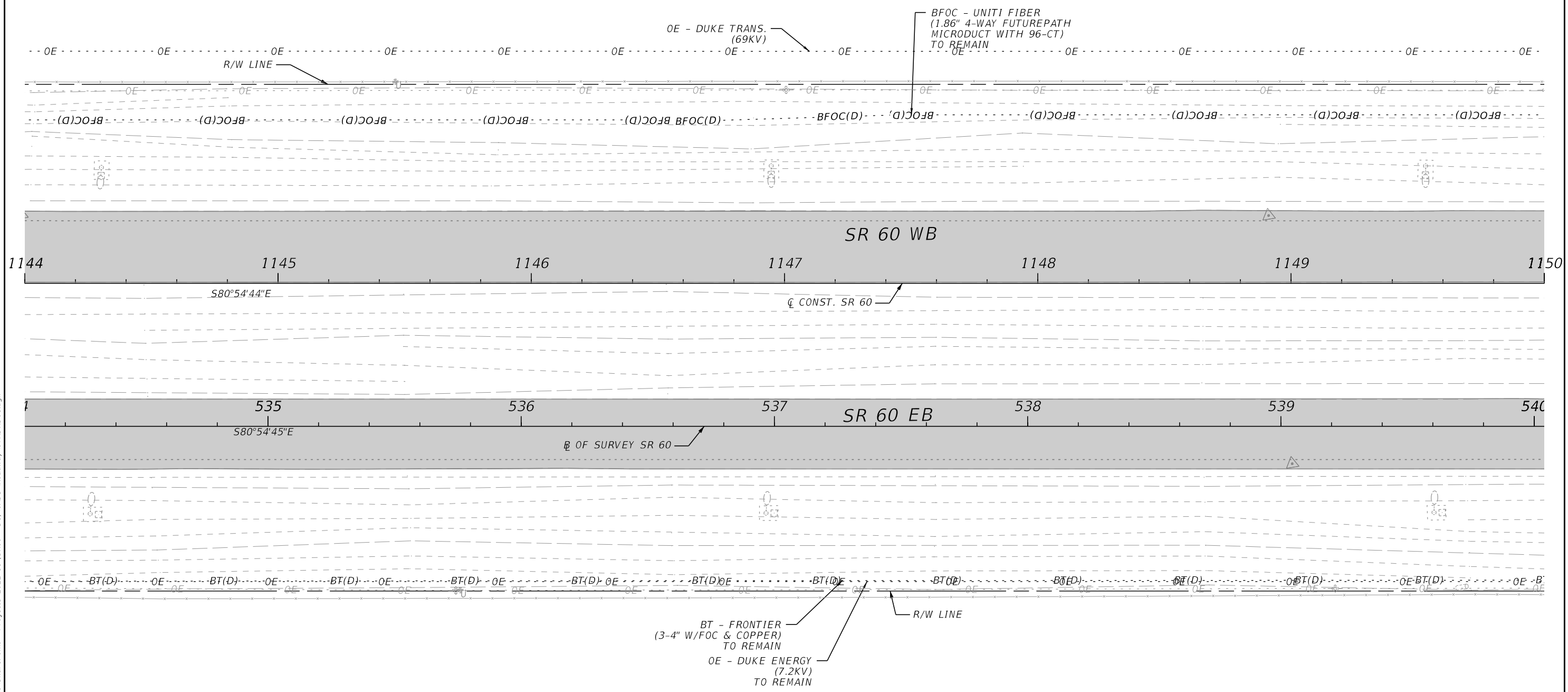
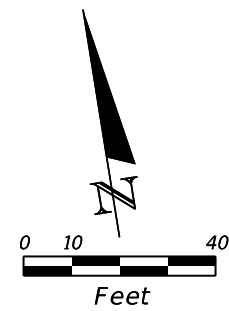


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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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UTILITY ADJUSTMENTS

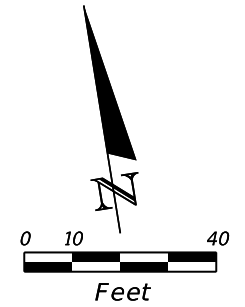
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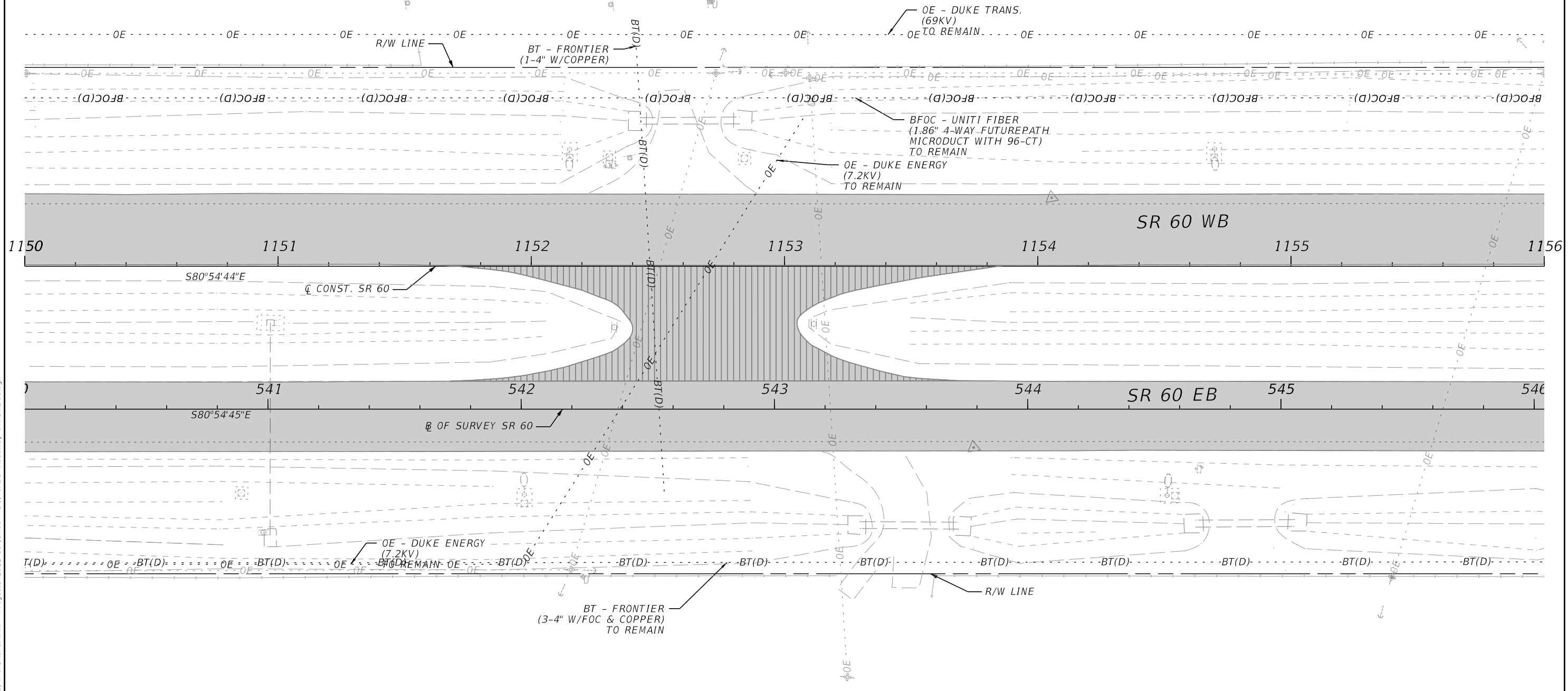
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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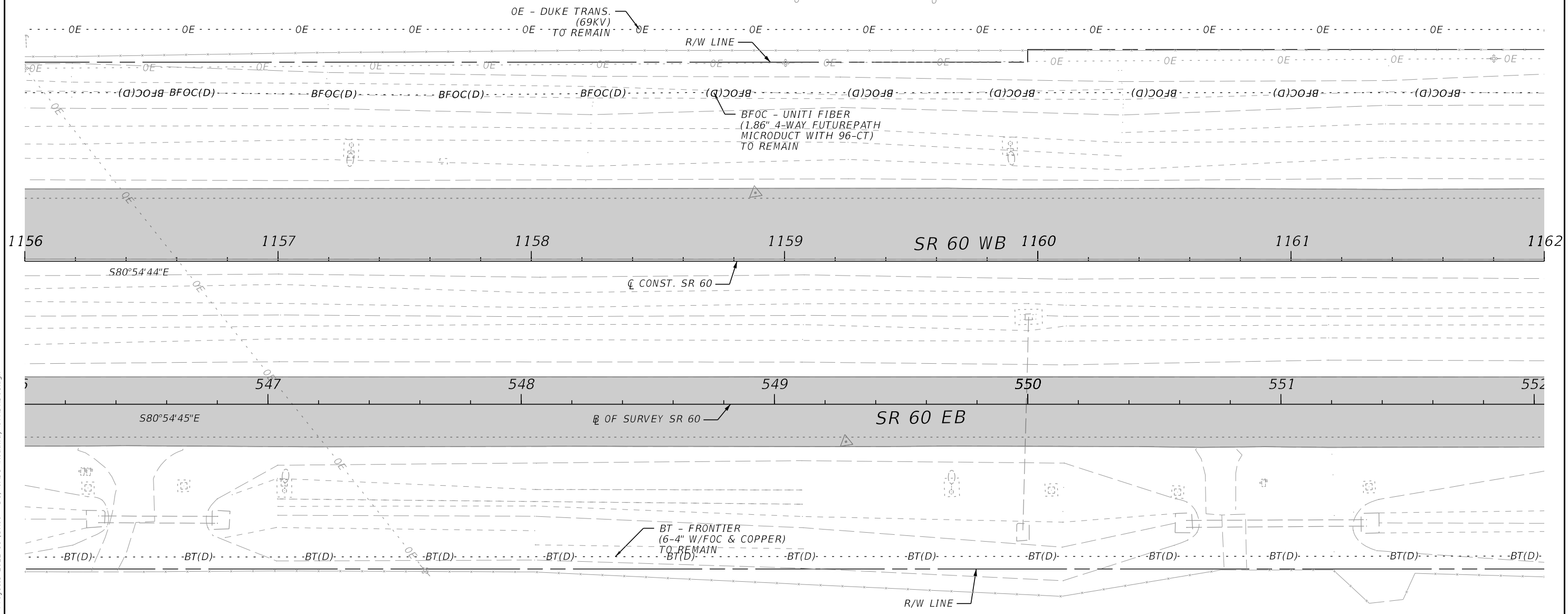
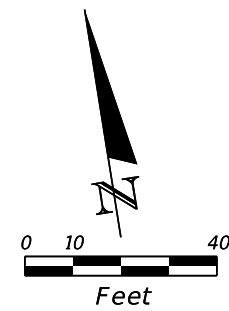


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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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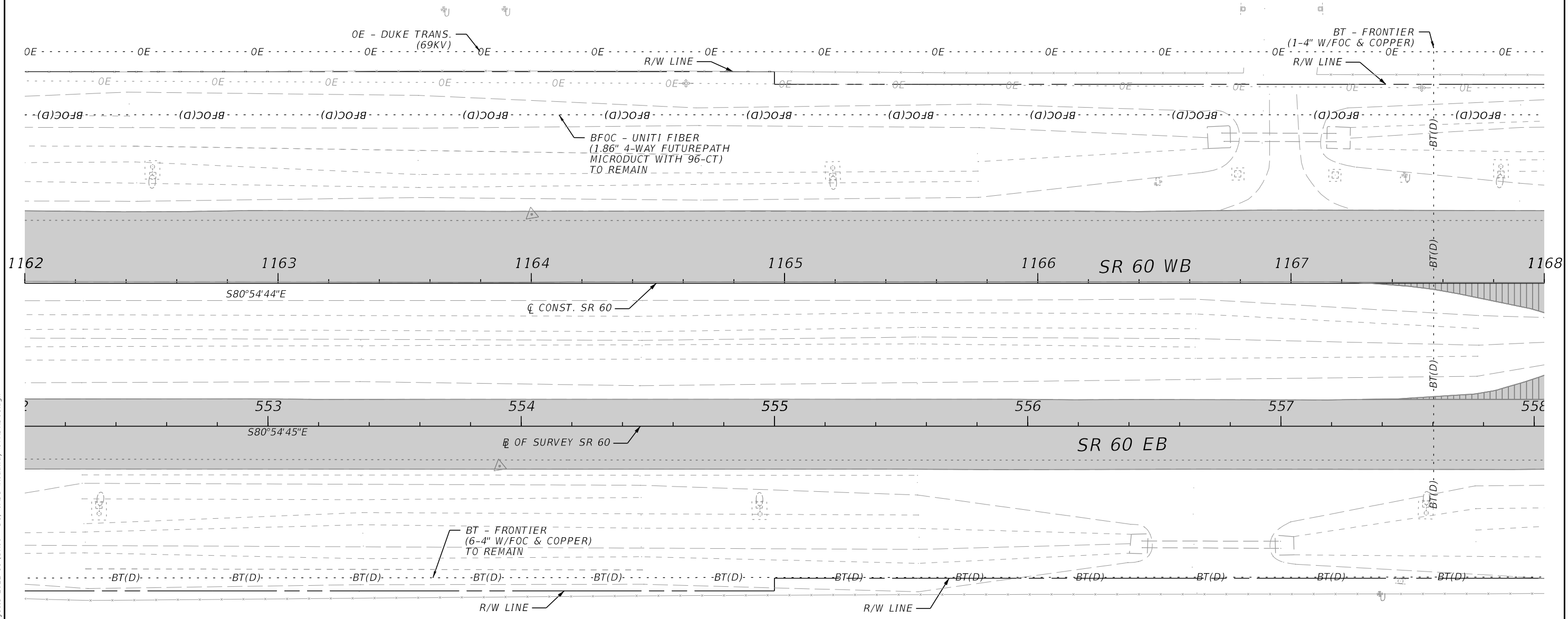
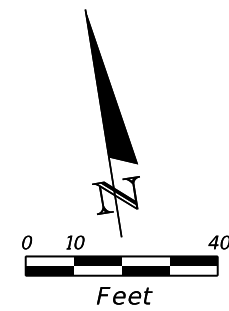
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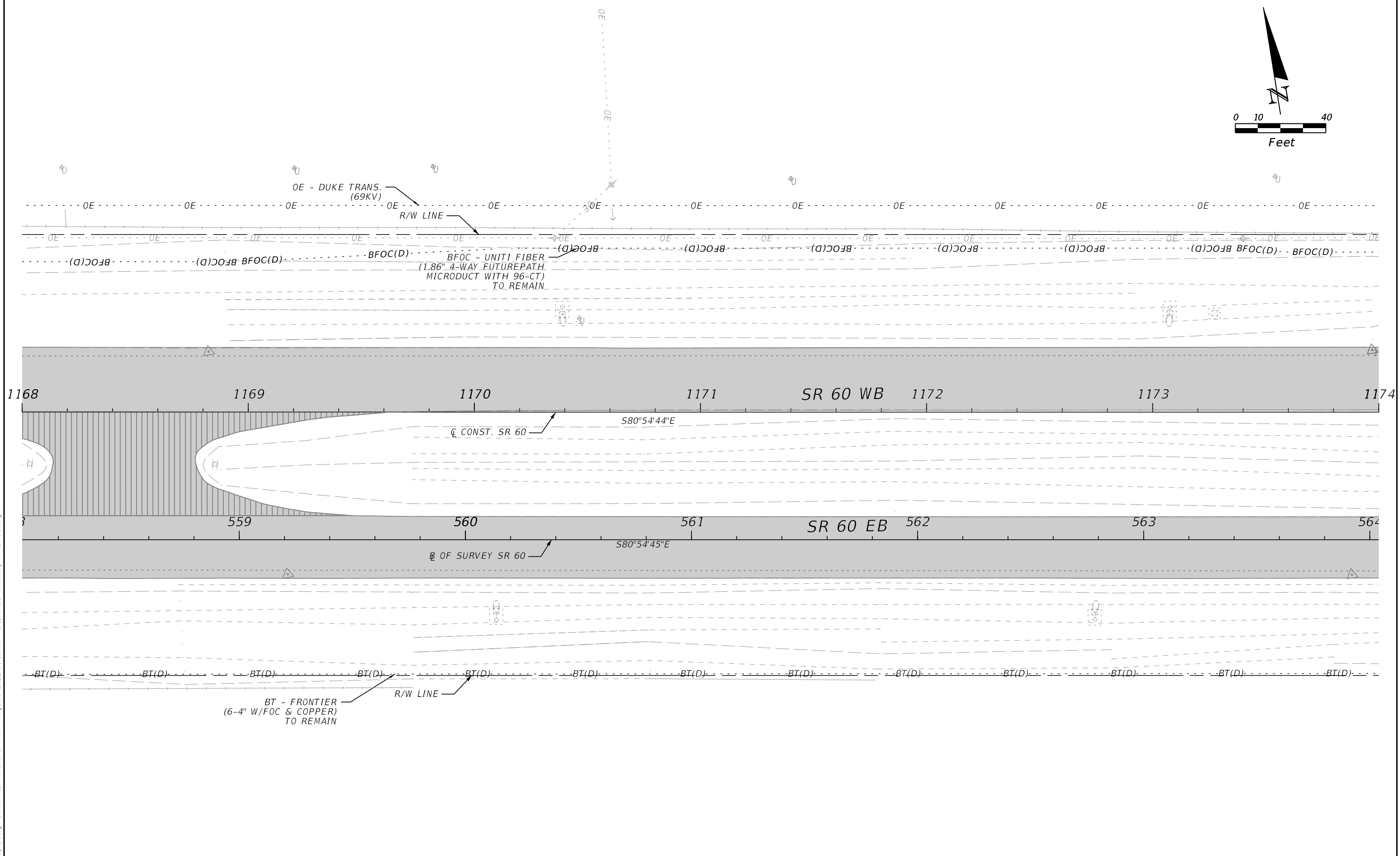
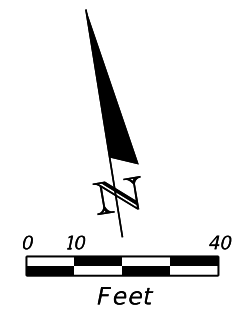
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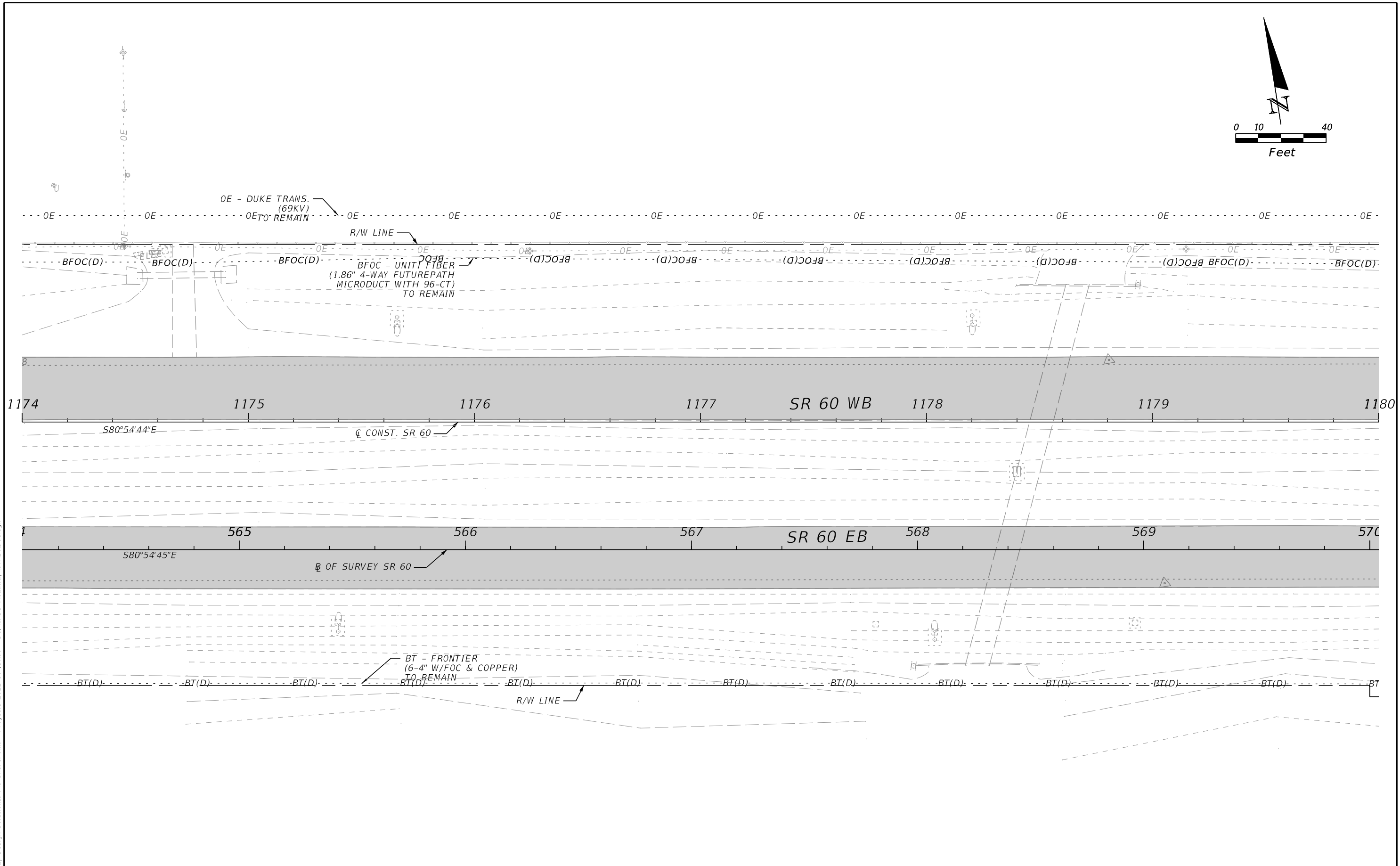
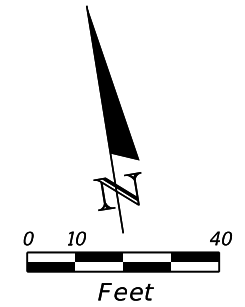
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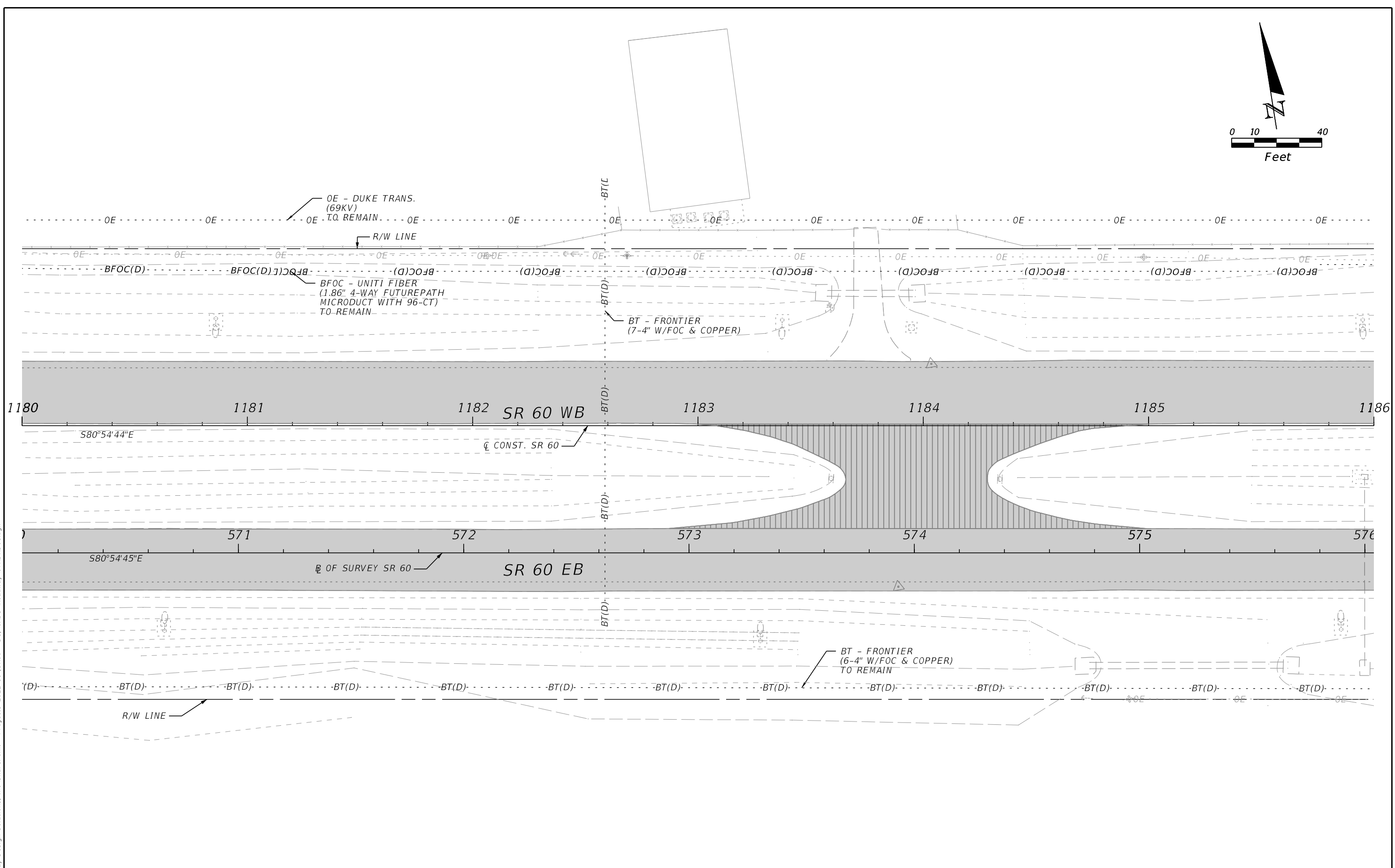
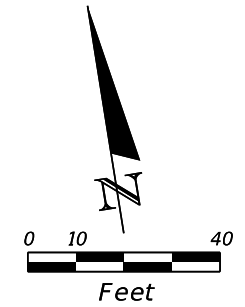
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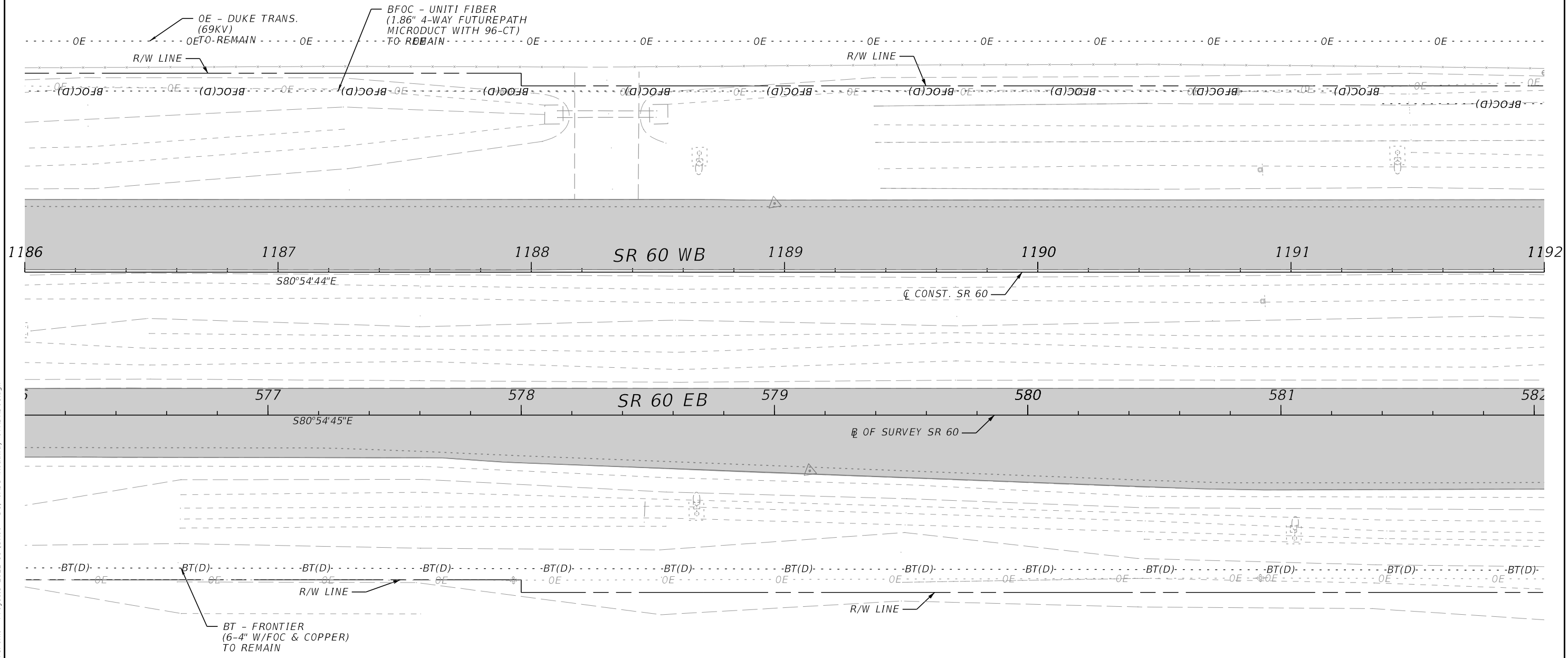
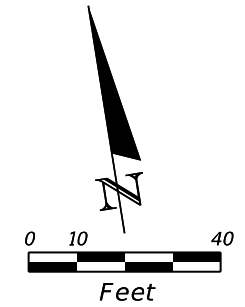
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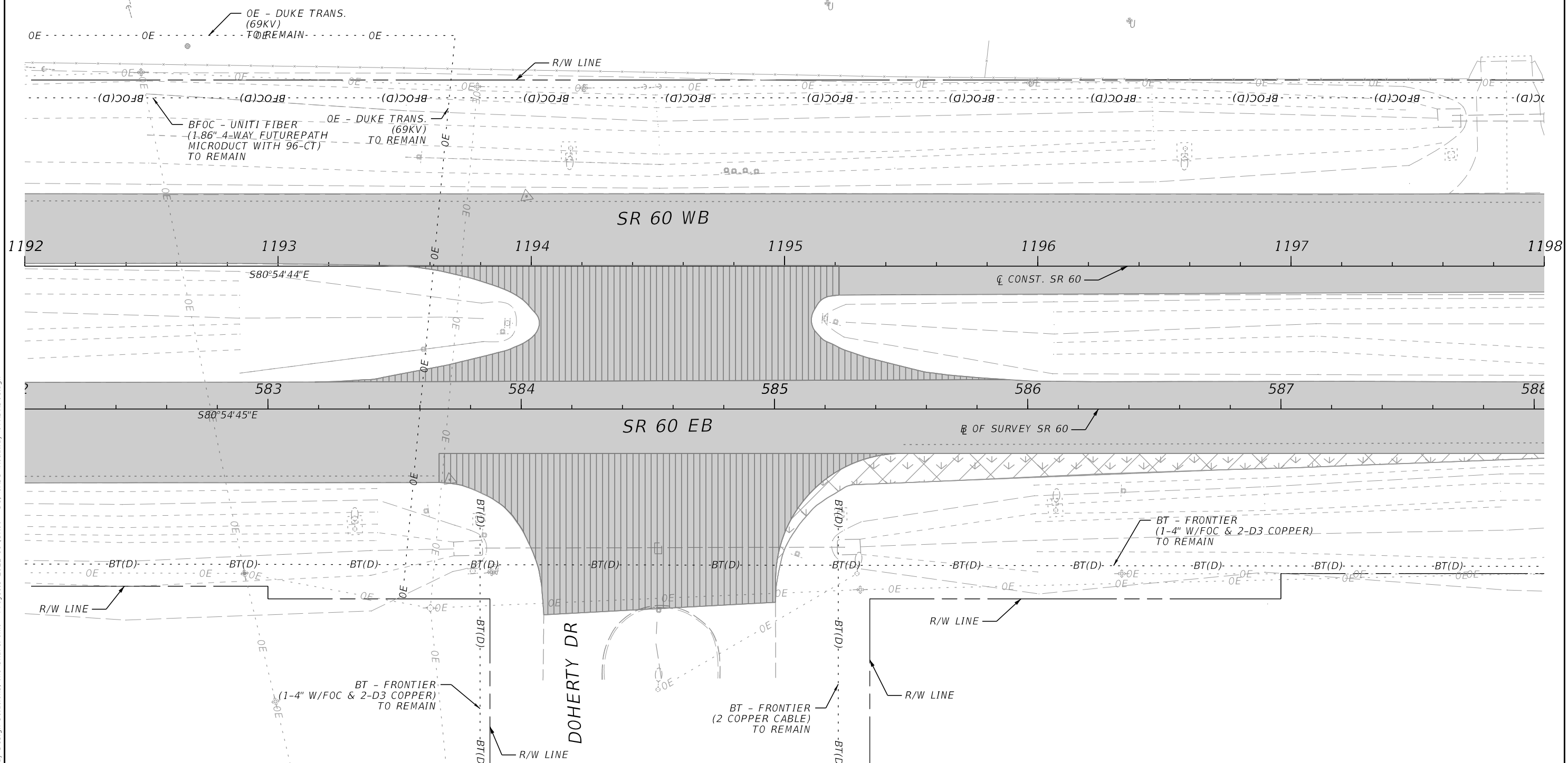
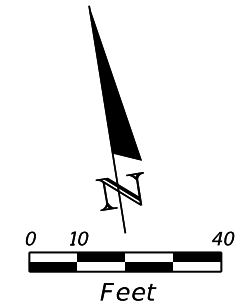
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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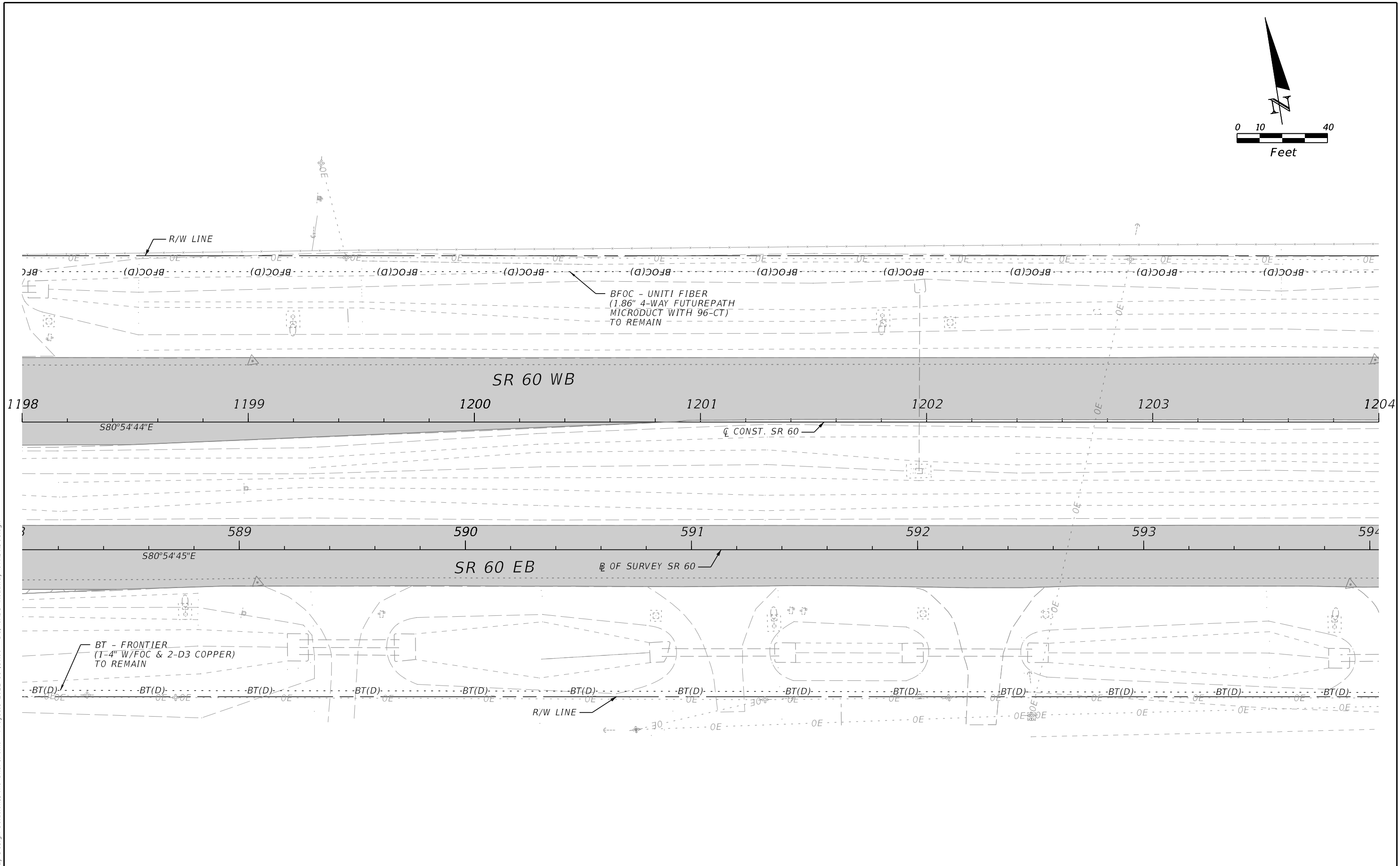
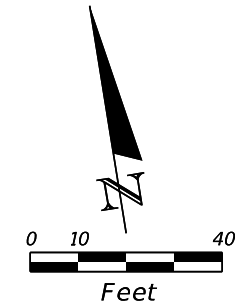


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DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		SR 60	POLK	449276-1-52-01	119

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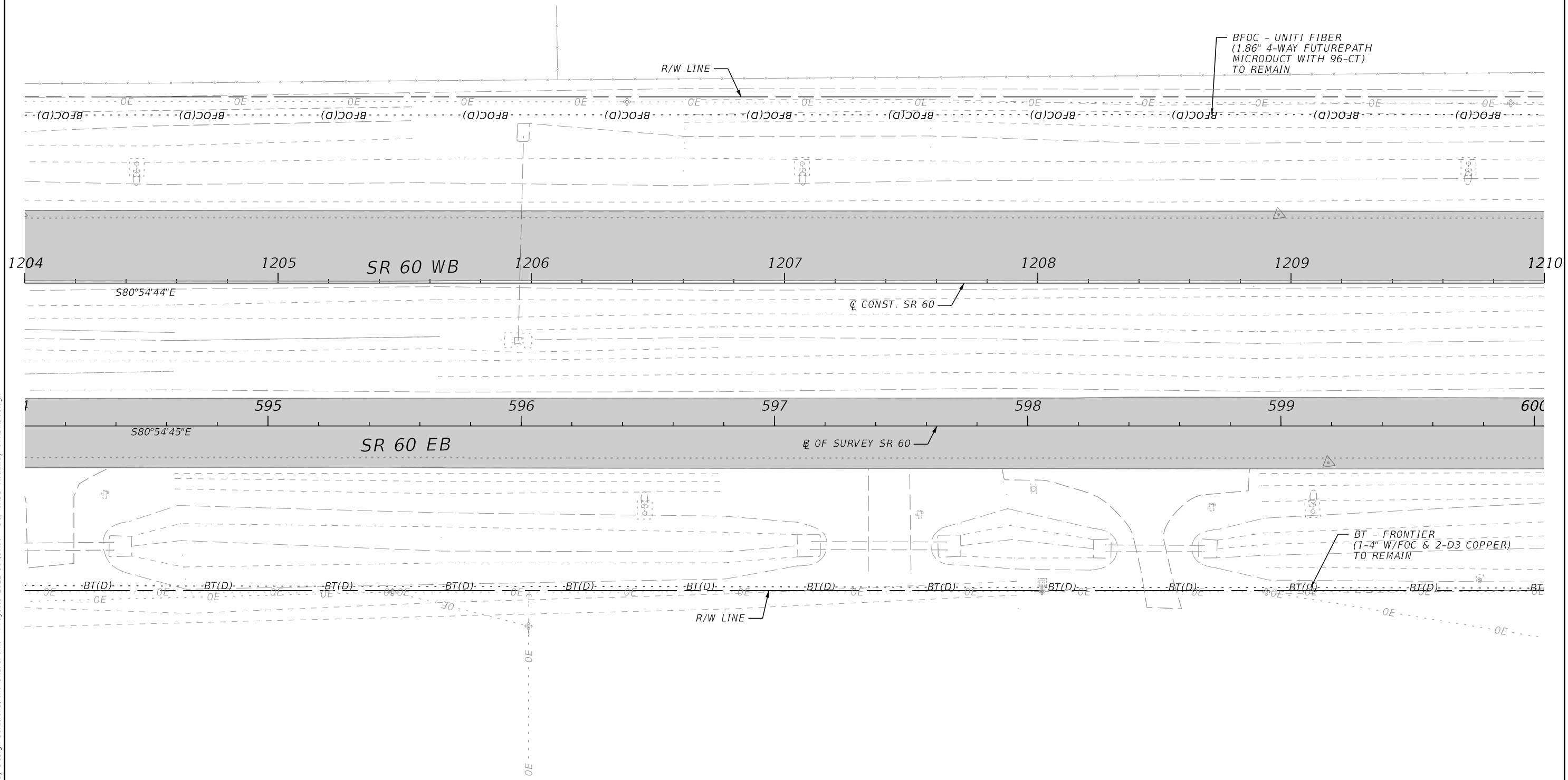
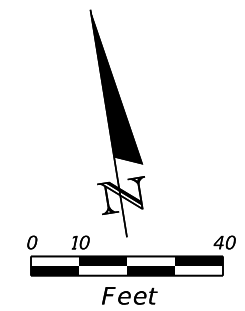


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UTILITY ADJUSTMENTS

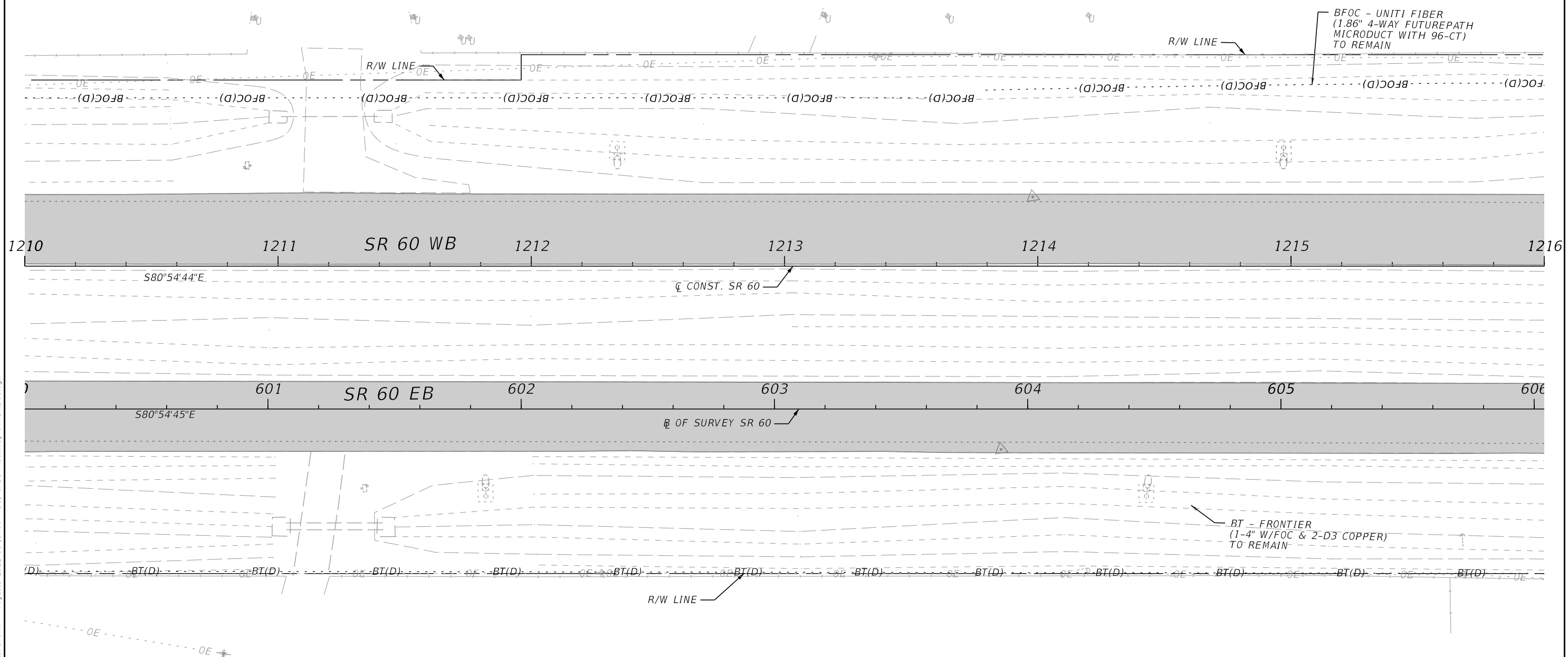
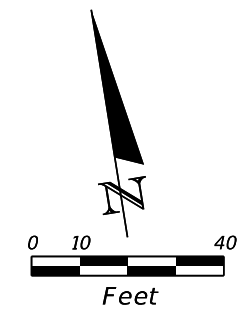


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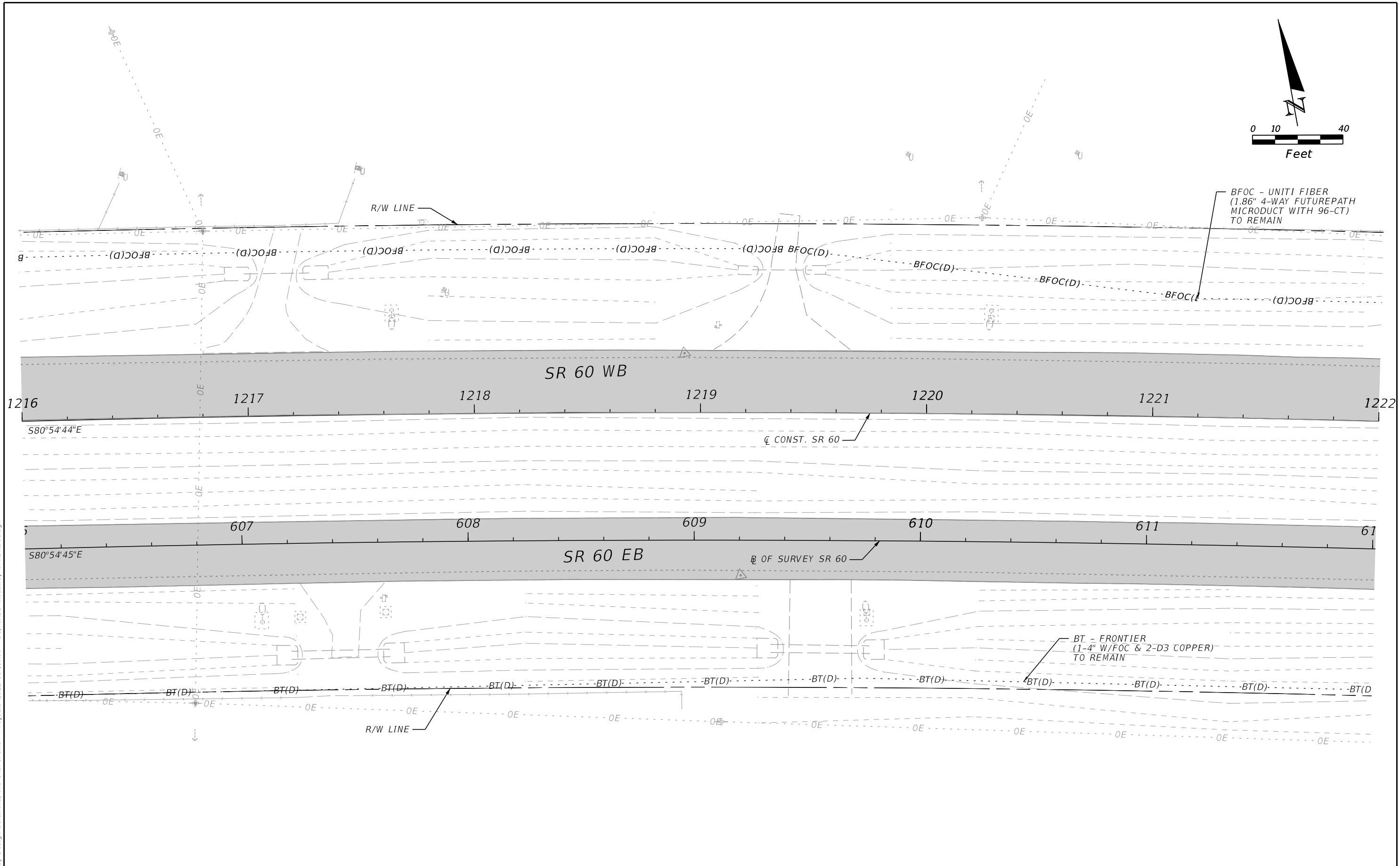
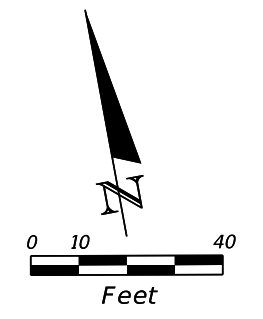
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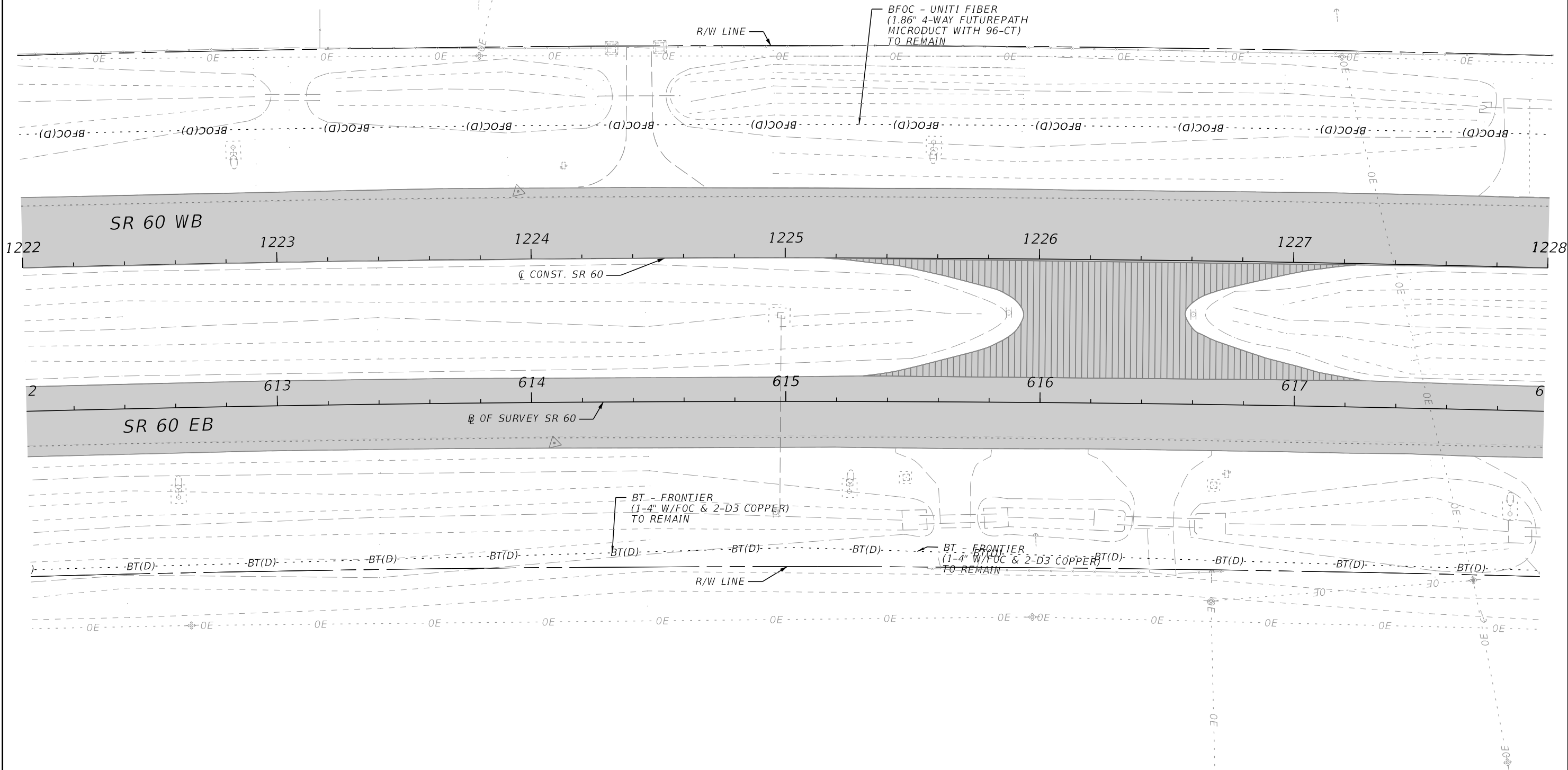
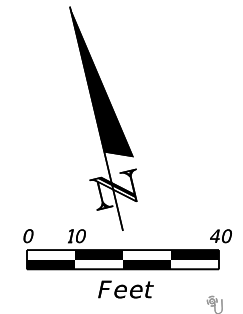
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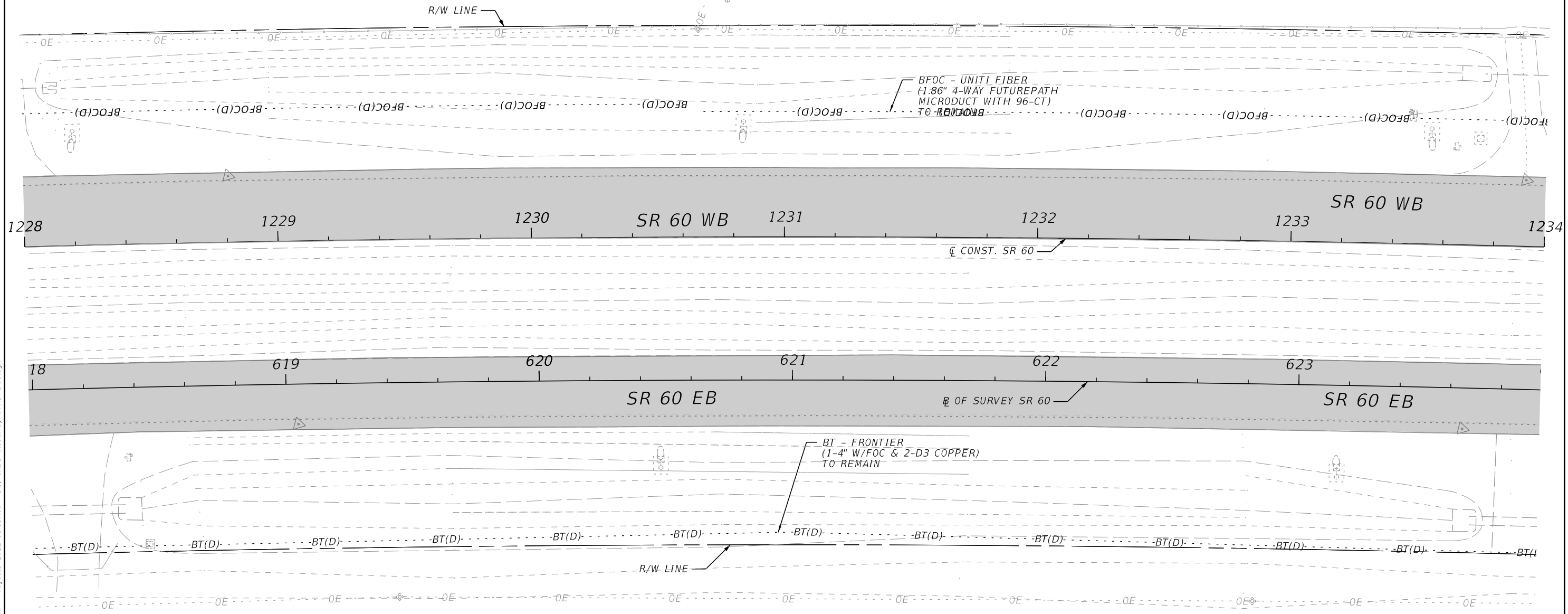
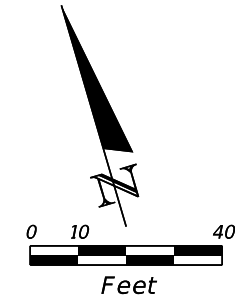
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 60	POLK	449276-1-52-01		

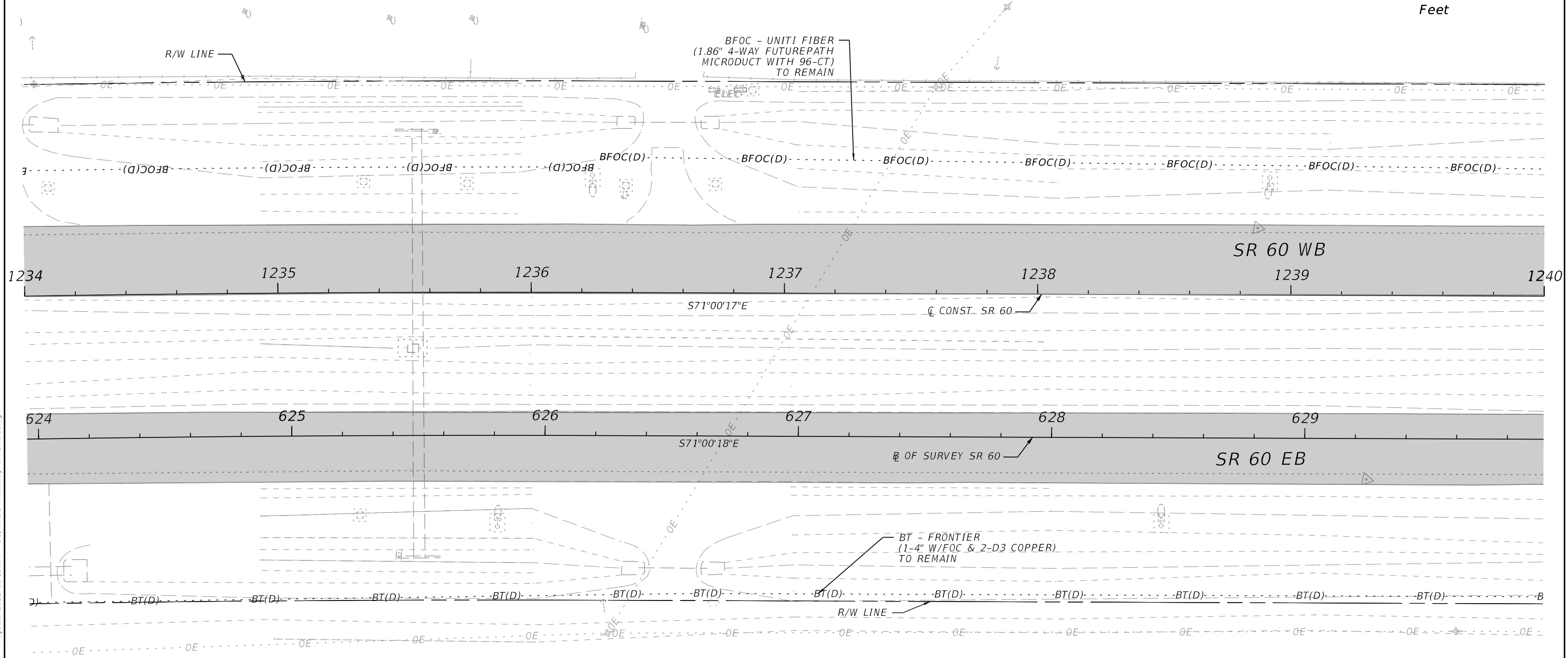
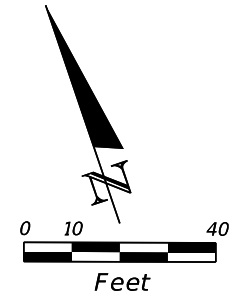
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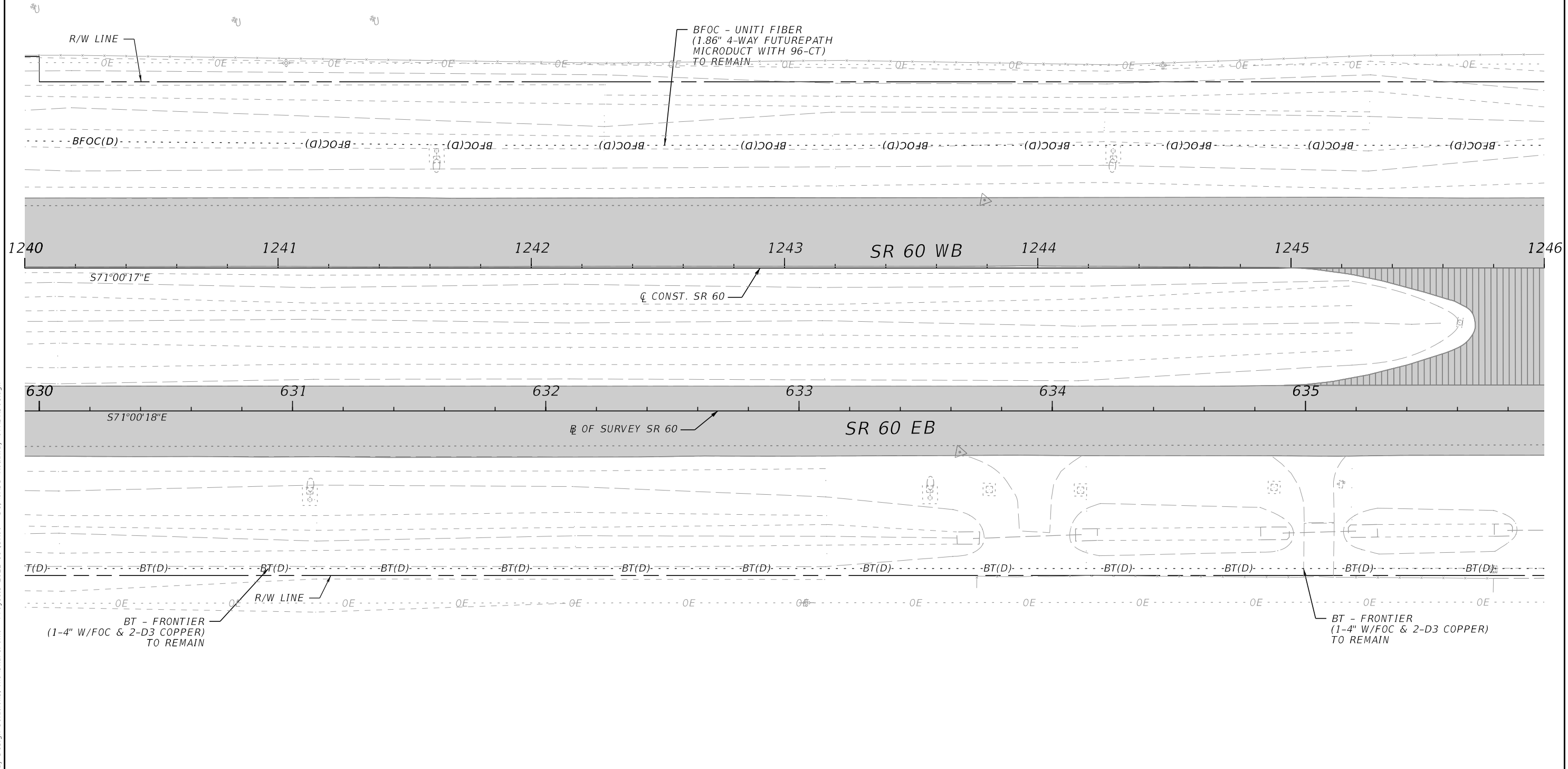
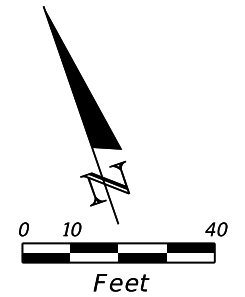
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DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		126
						SR 60	POLK	449276-1-52-01		



R/W LINE

BFOC - UNITI FIBER
(1.86" 4-WAY FUTUREPATH
MICRODUCT WITH 96-CT)
TO REMAIN

1240 1241 1242 1243 SR 60 WB 1244 1245 1246

630 631 632 633 634 635

SR 60 EB

T(D) BT(D) BT(D) BT(D) BT(D) BT(D) BT(D) BT(D) BT(D) BT(D) BT(D) BT(D) BT(D) BT(D)

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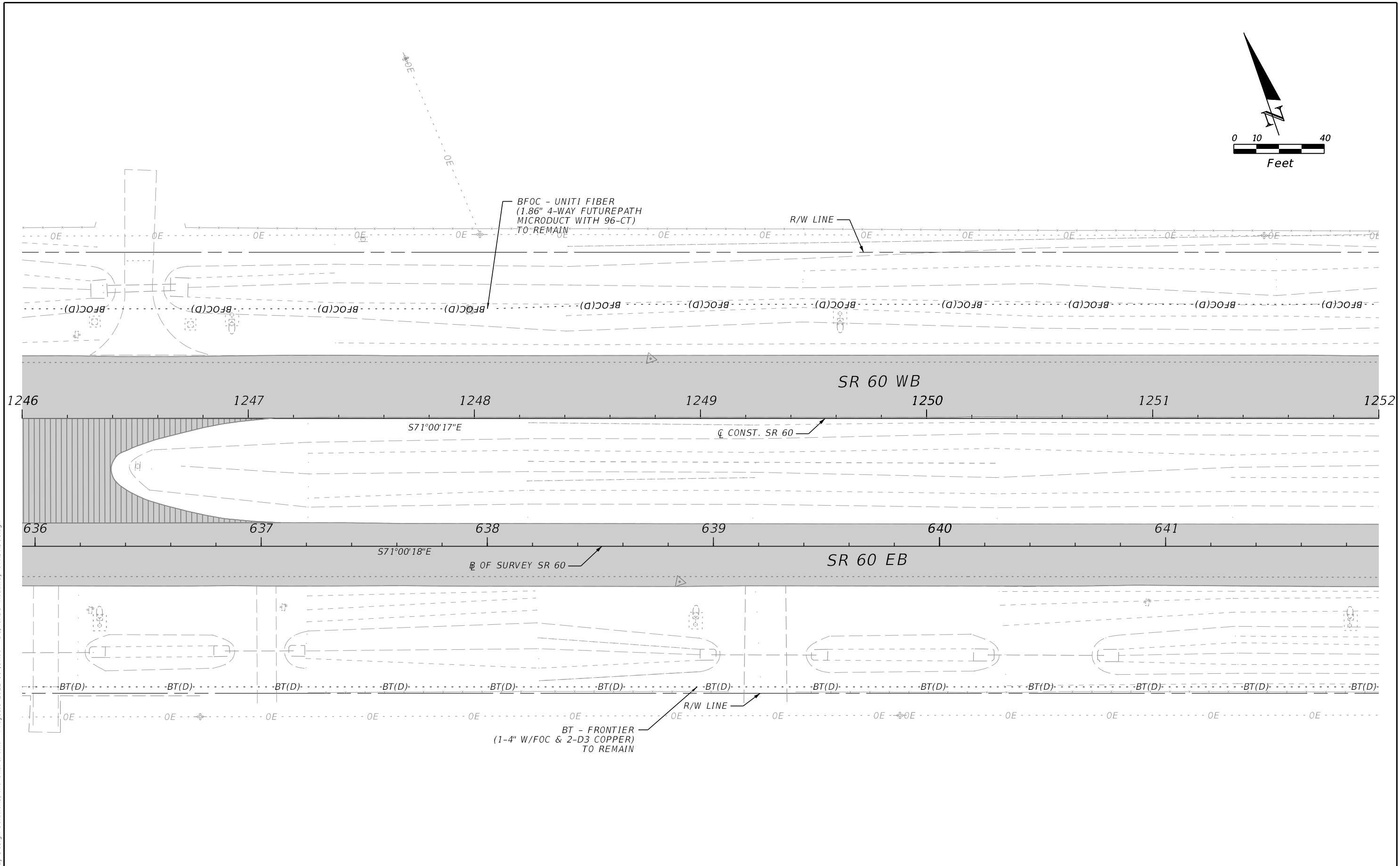
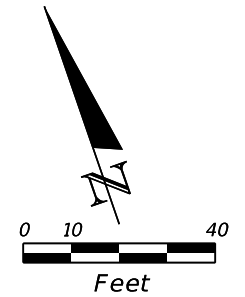
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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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UTILITY ADJUSTMENTS

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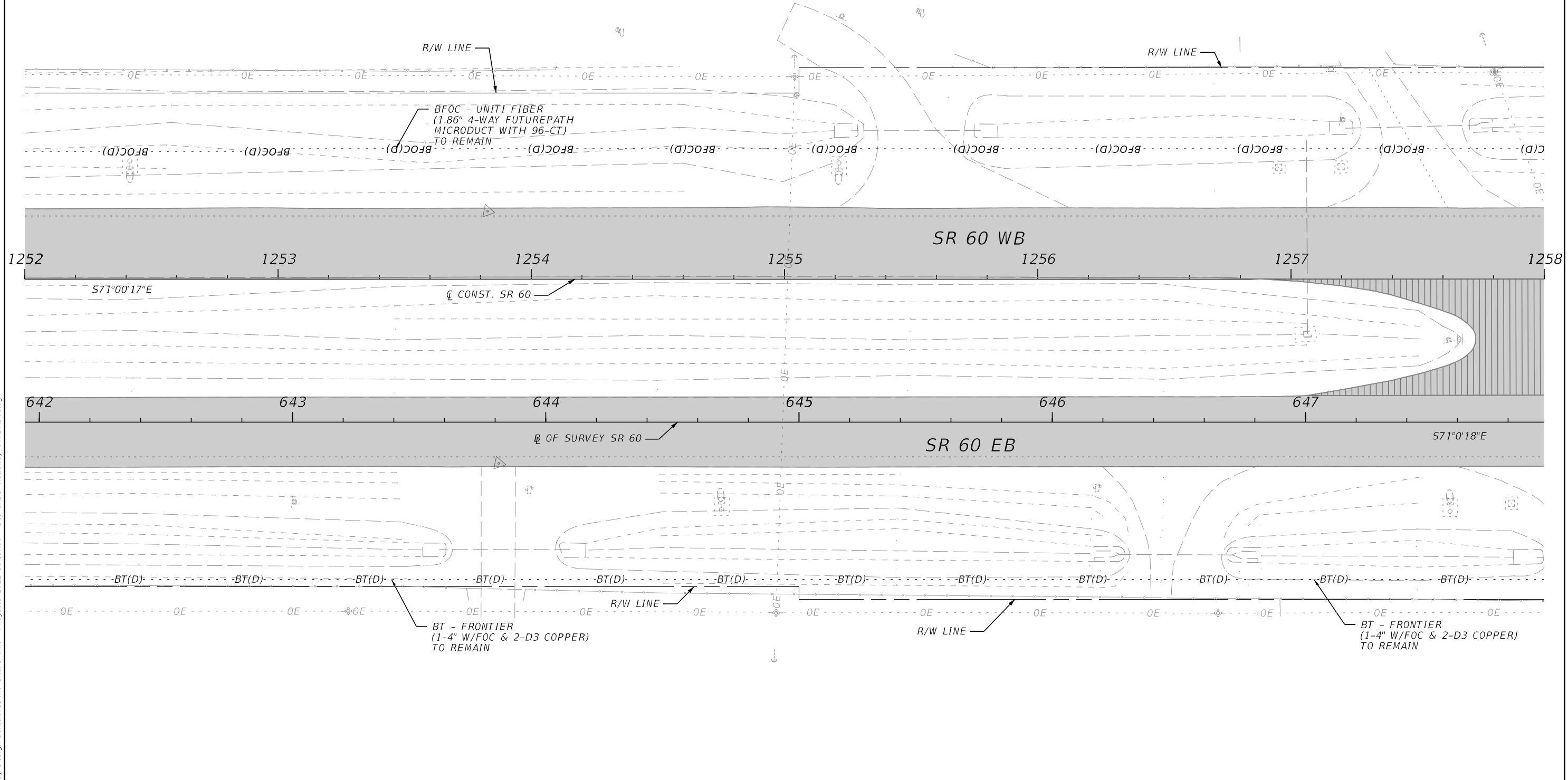
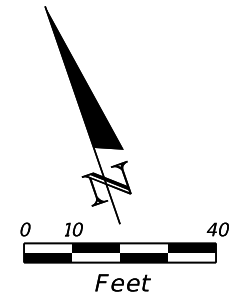
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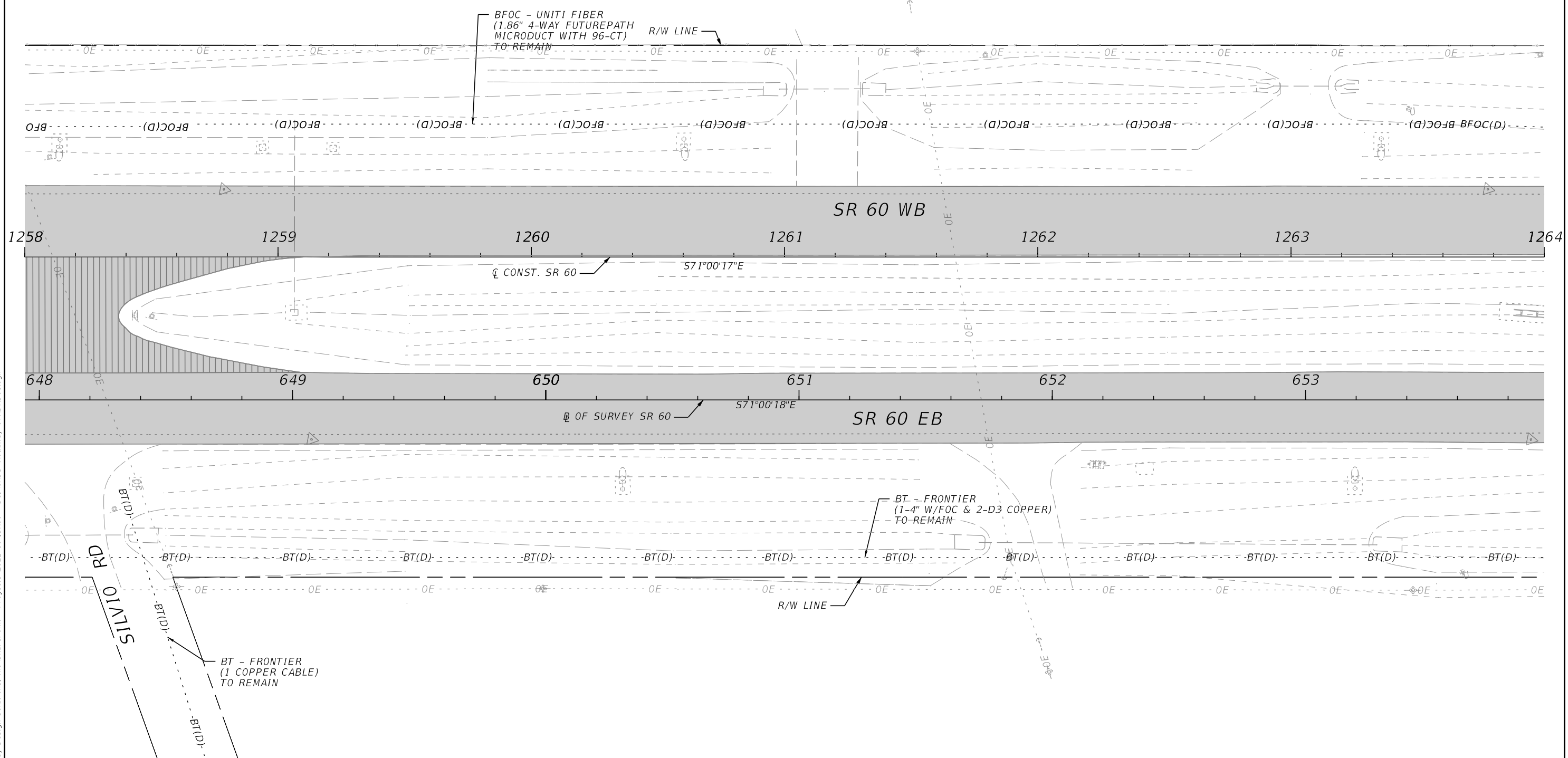
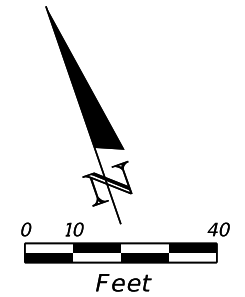
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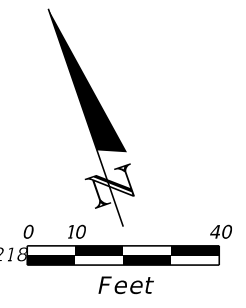


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UTILITY ADJUSTMENTS



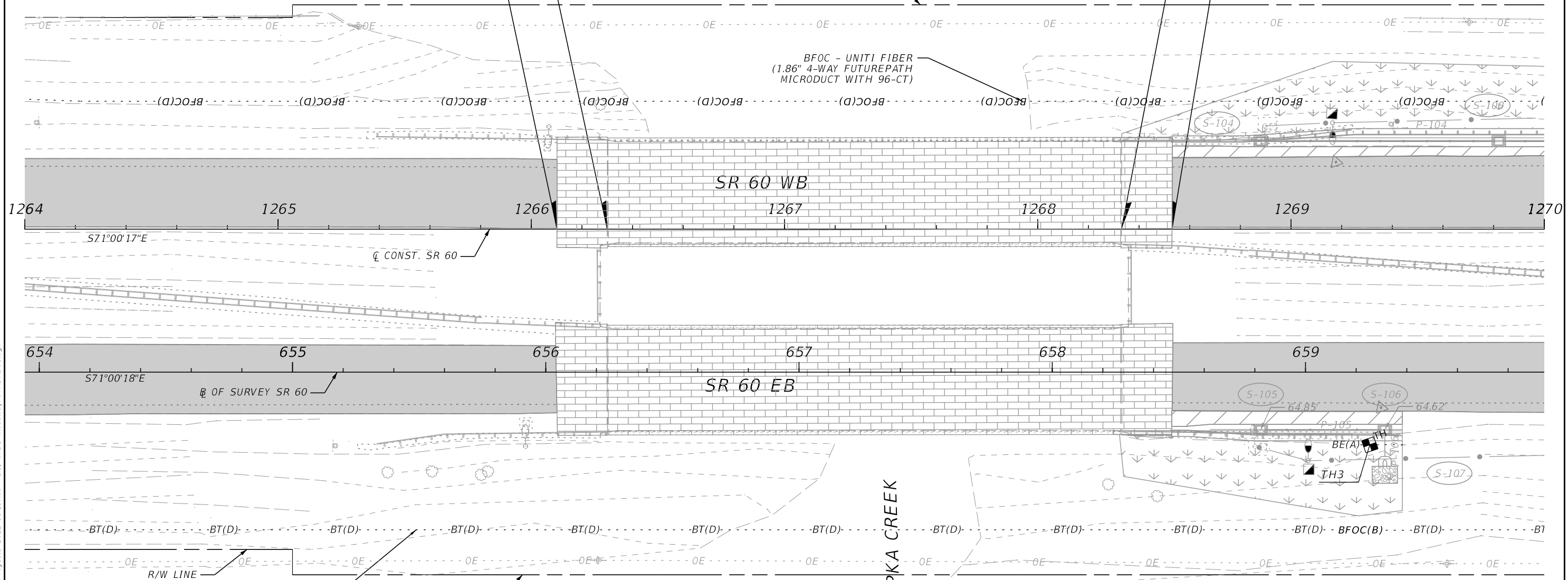
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 STA. 1266+30.03

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 STA. 1268+33.08

BEGIN APPROACH SLAB
 STA. 1266+10.15

END APPROACH SLAB
 STA. 1268+53.03

BFOC - UNIFI FIBER
 (1.86" 4-WAY FUTUREPATH
 MICRODUCT WITH 96-CT)



BT - FRONTIER
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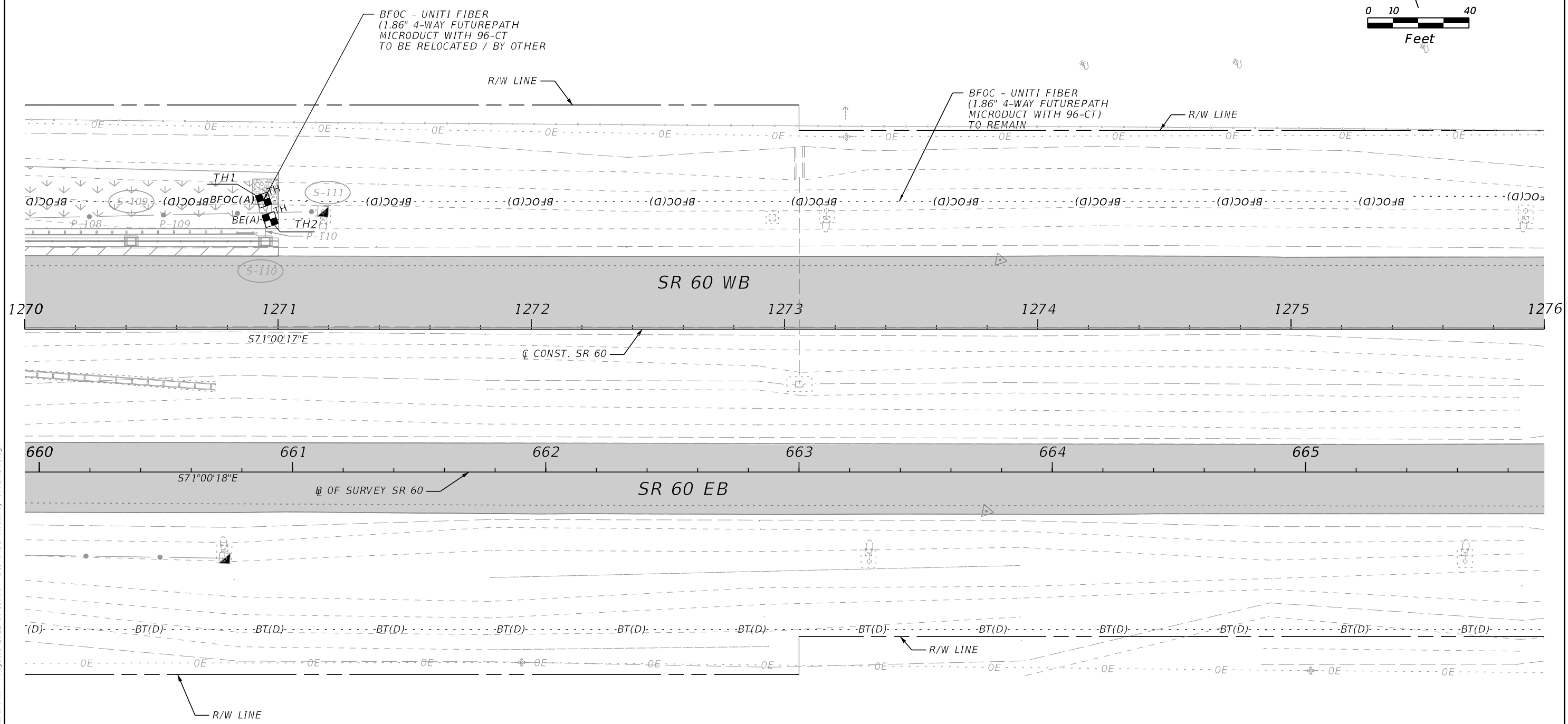
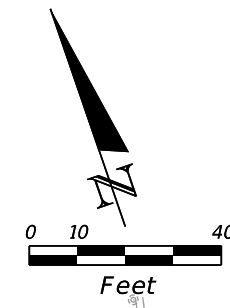
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							SR 60	POLK	449276-1-52-01	

UTILITY ADJUSTMENTS

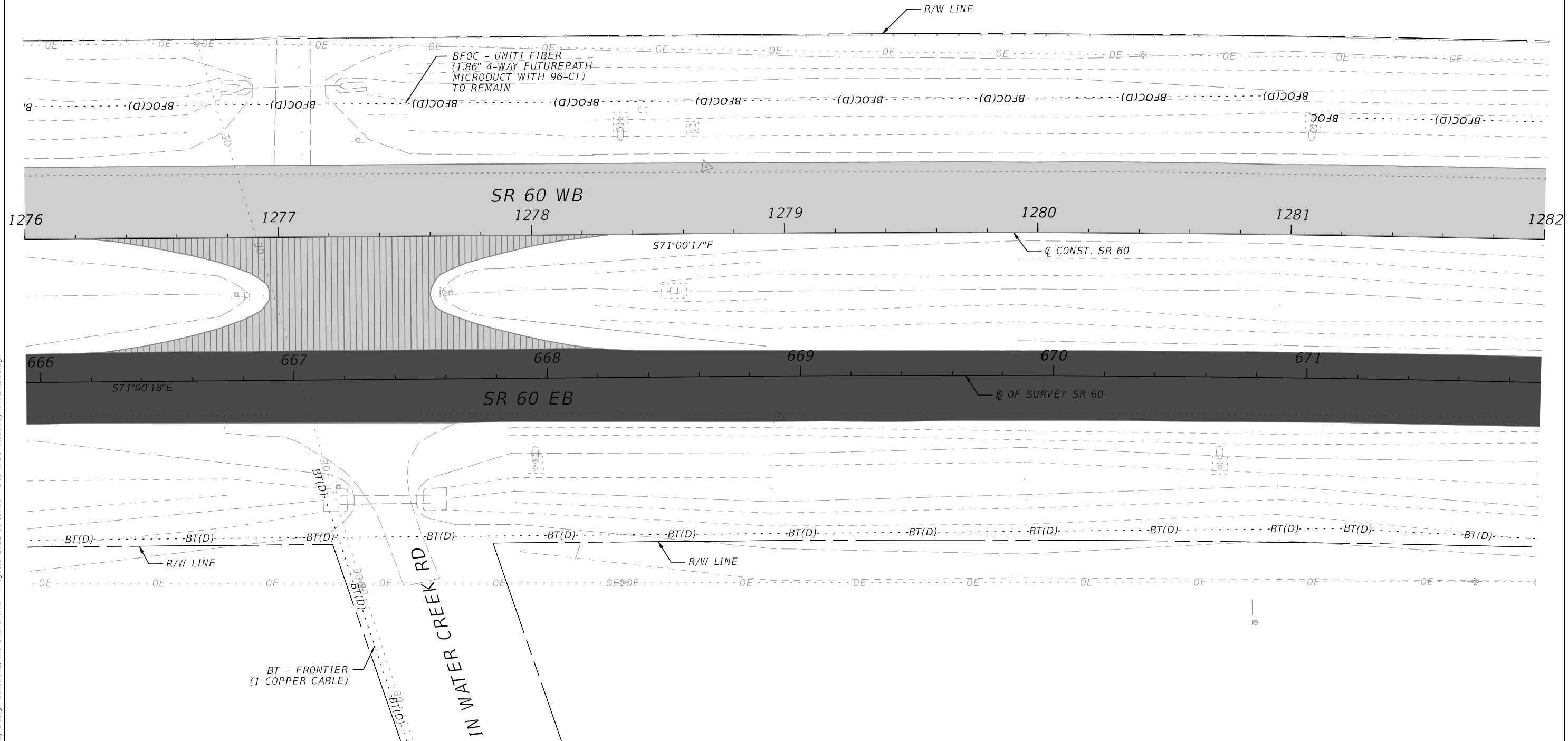
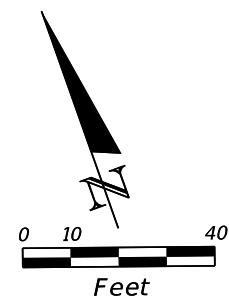


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						SR 60	POLK	449276-1-52-01	132

UTILITY ADJUSTMENTS

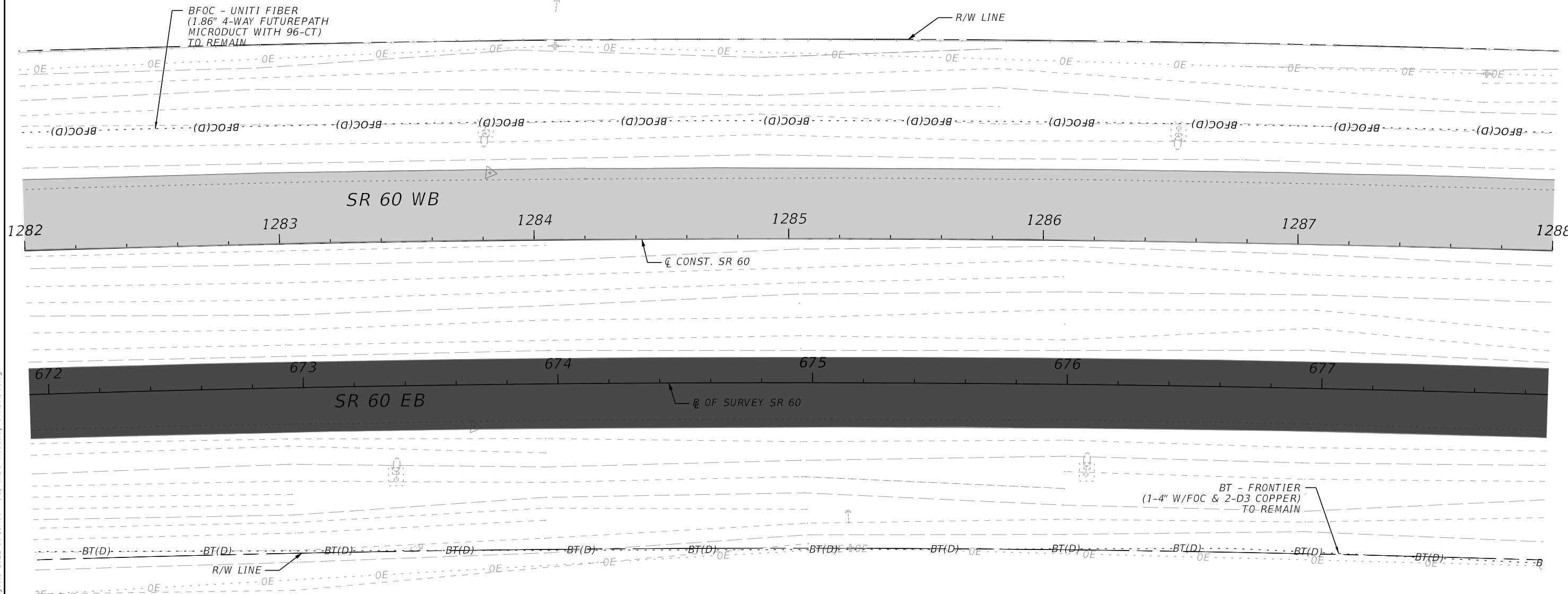
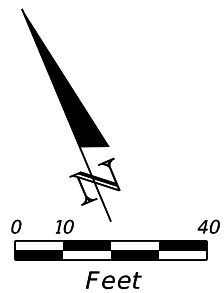


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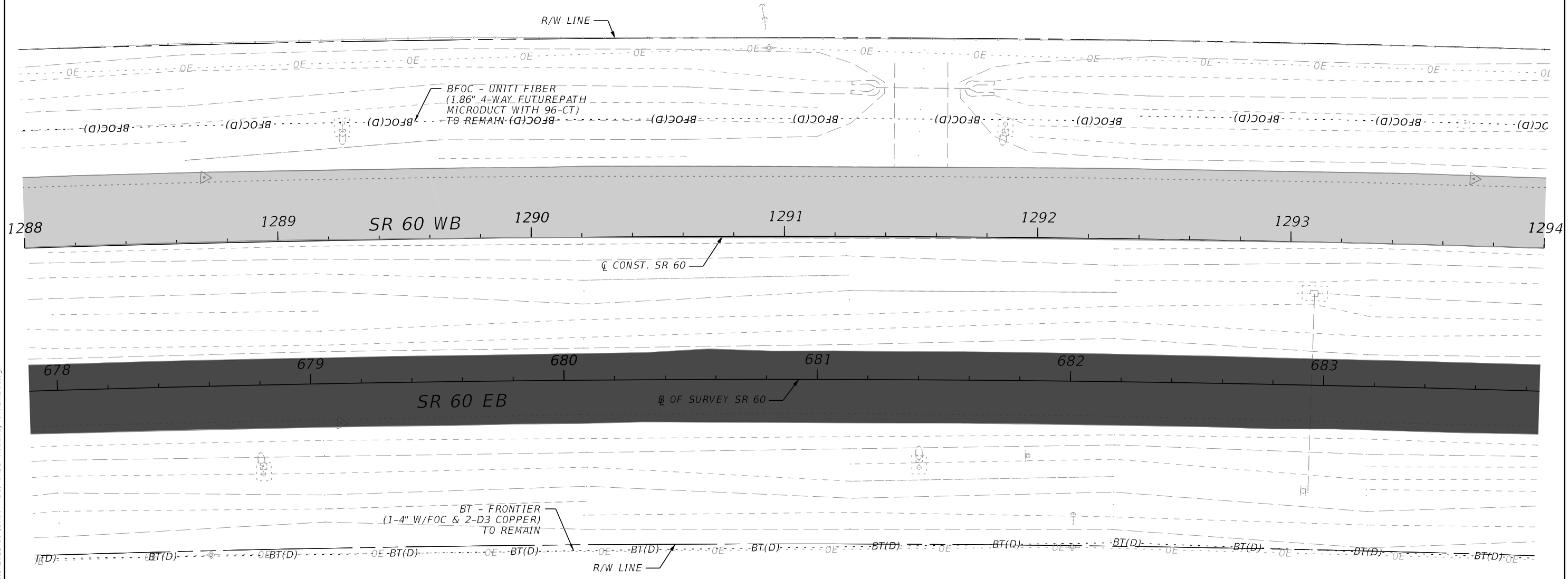
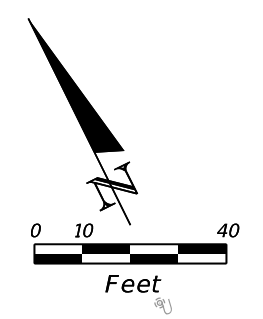
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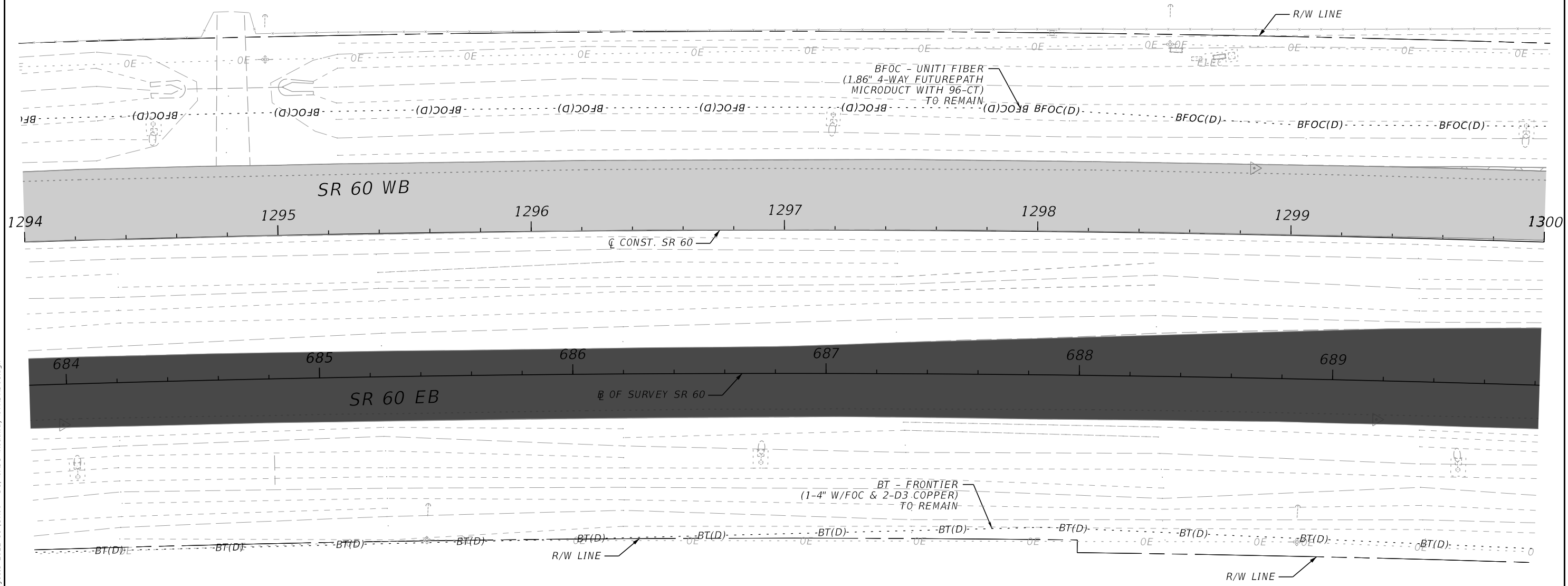
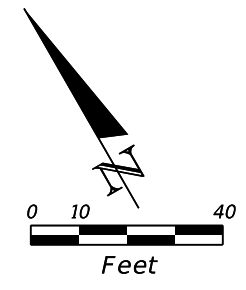
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DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			SR 60	POLK	449276-1-52-01		134



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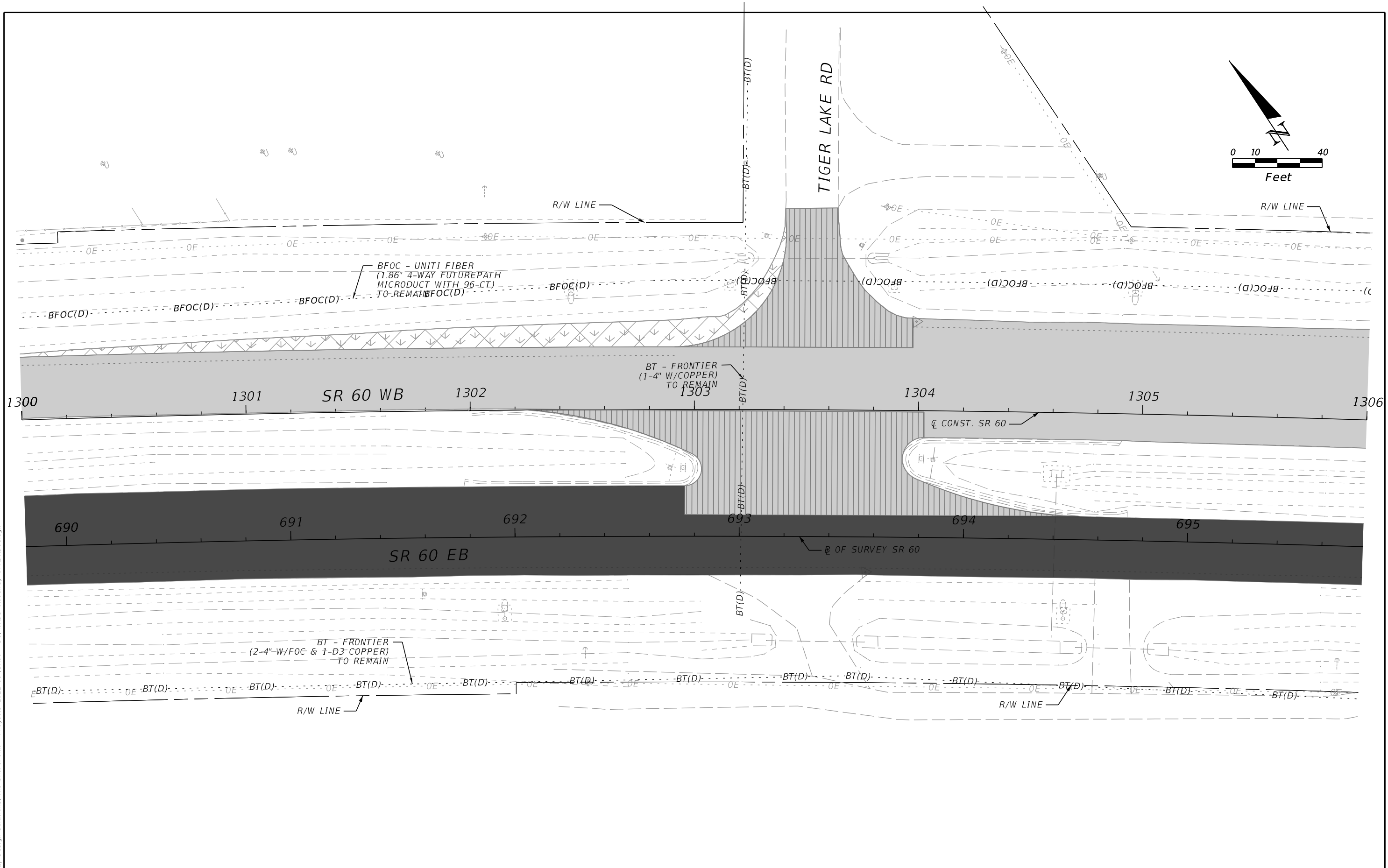
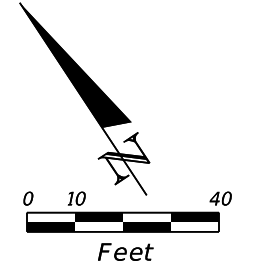
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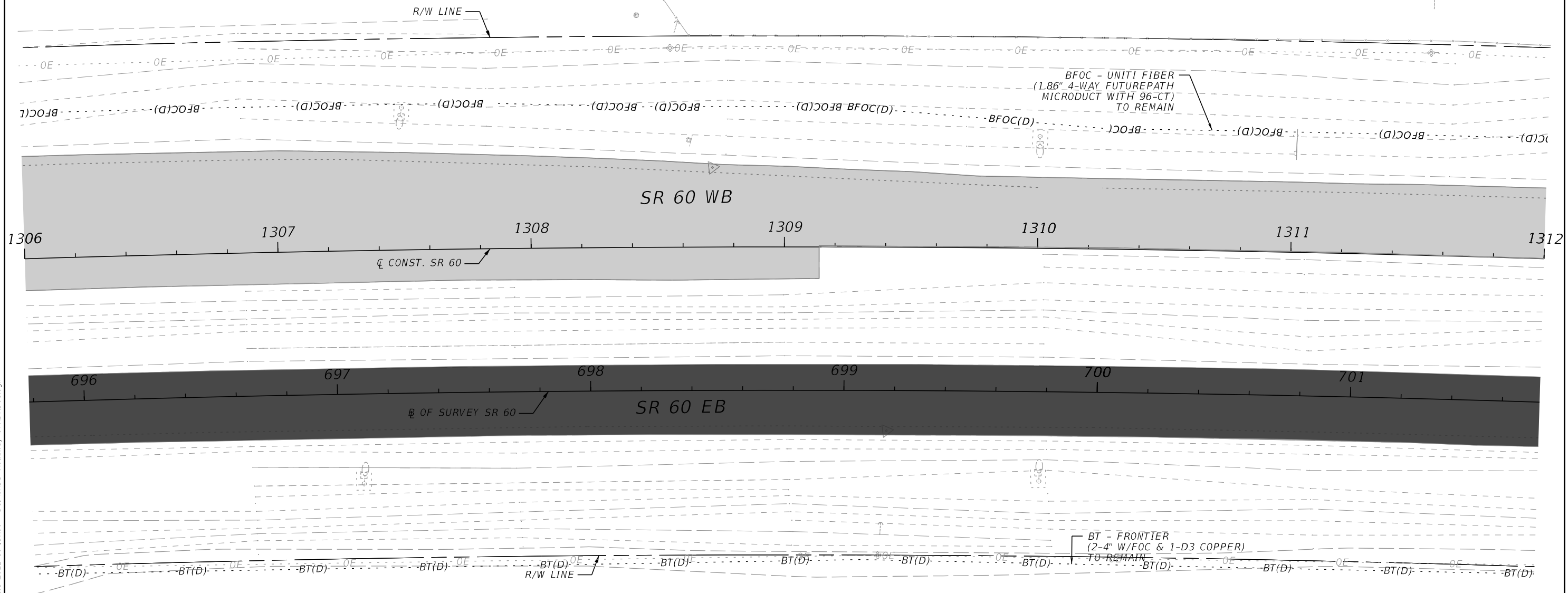
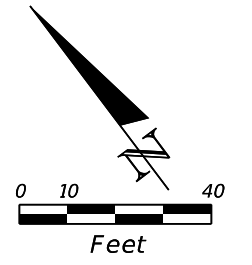
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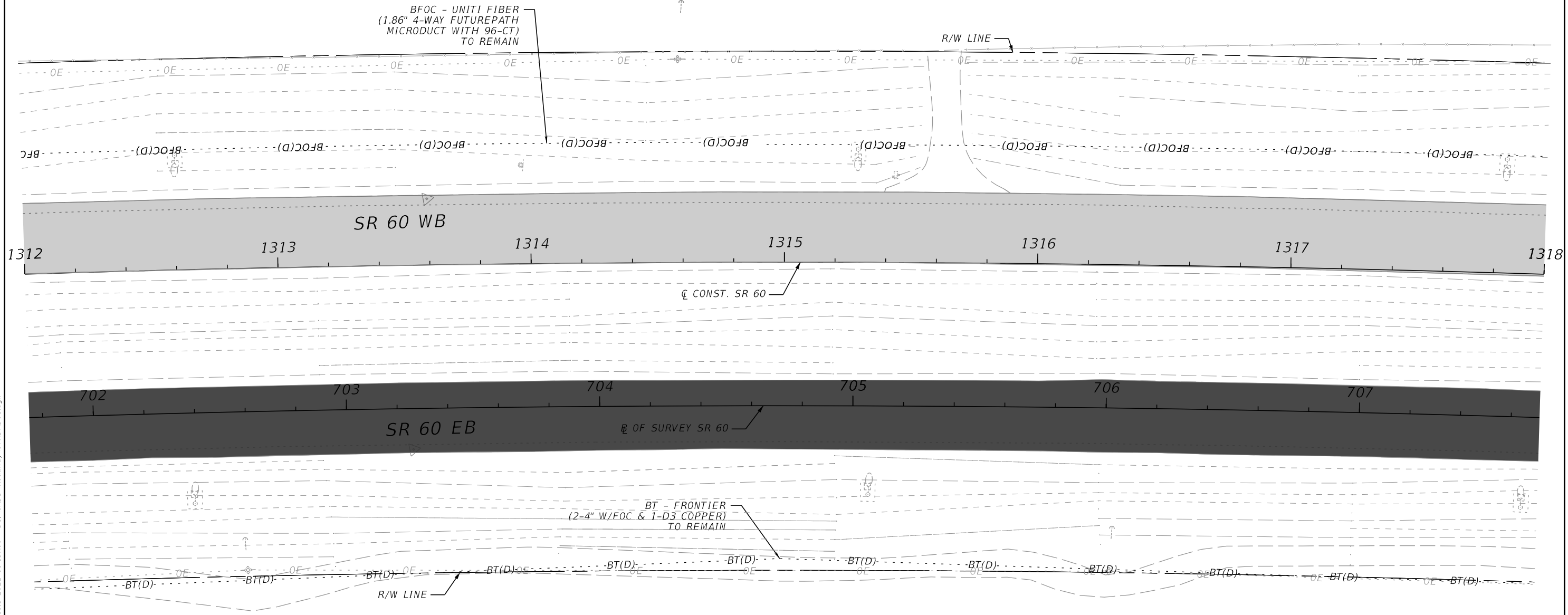
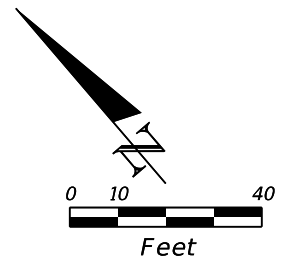
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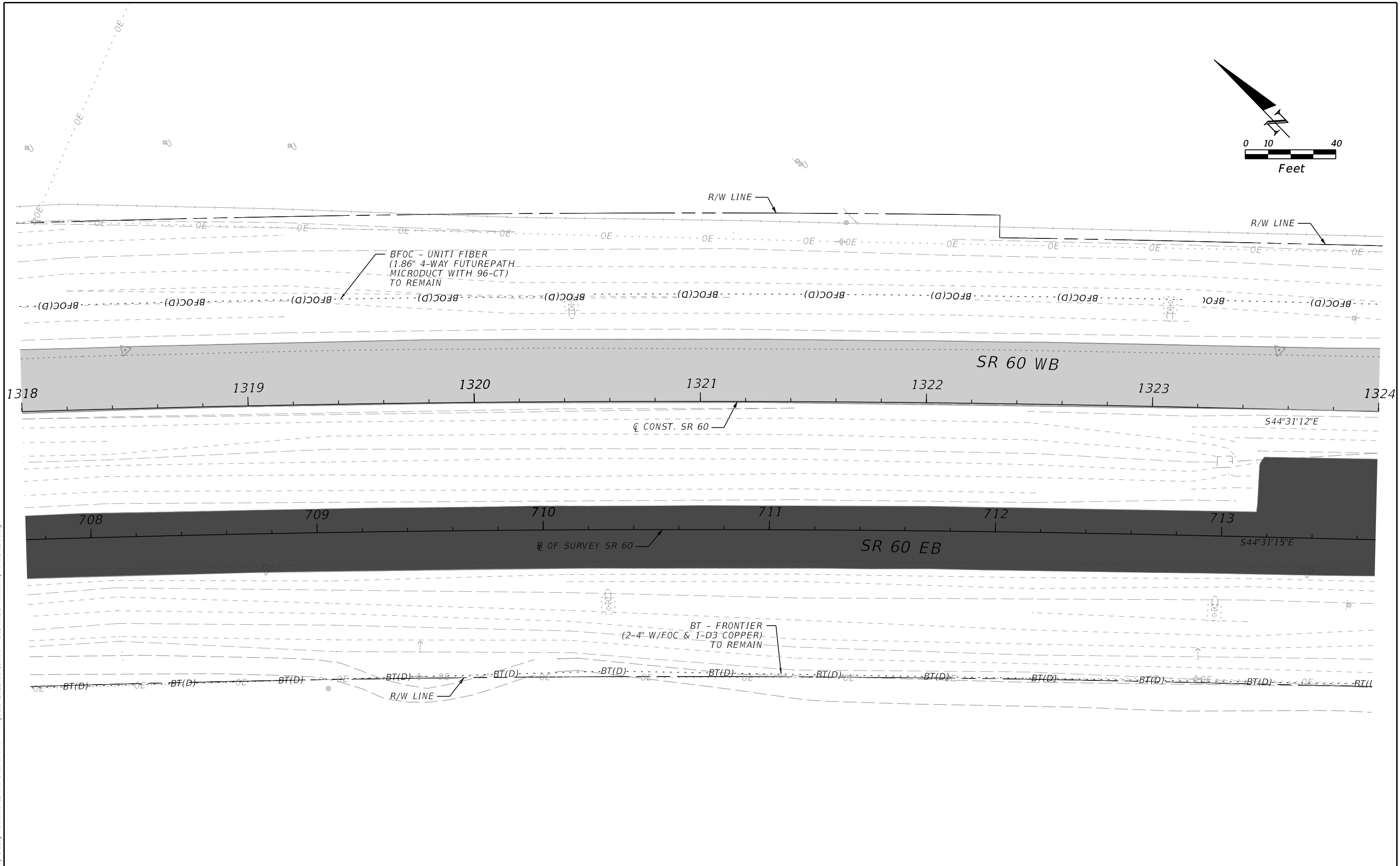
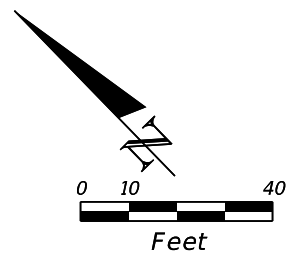
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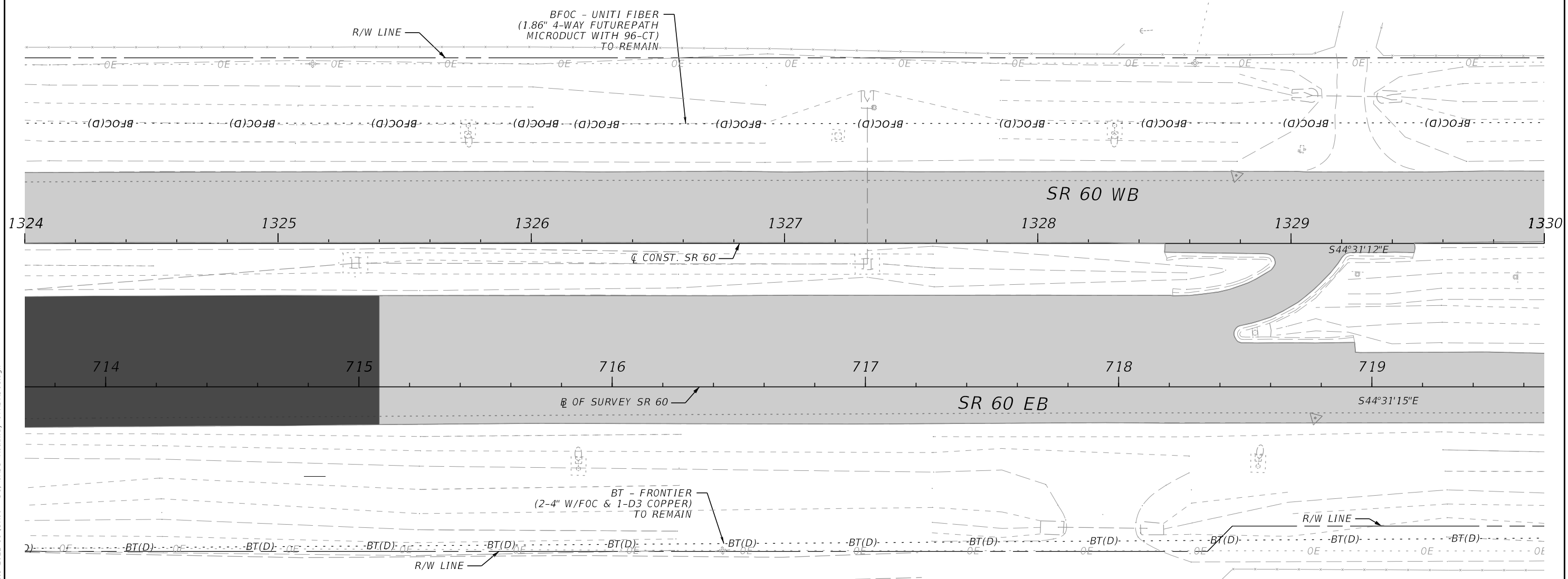
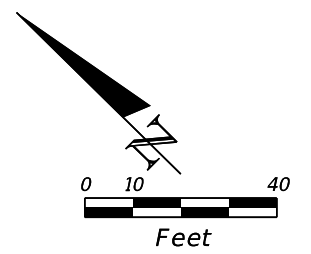
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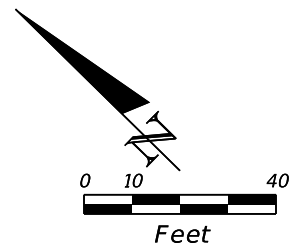
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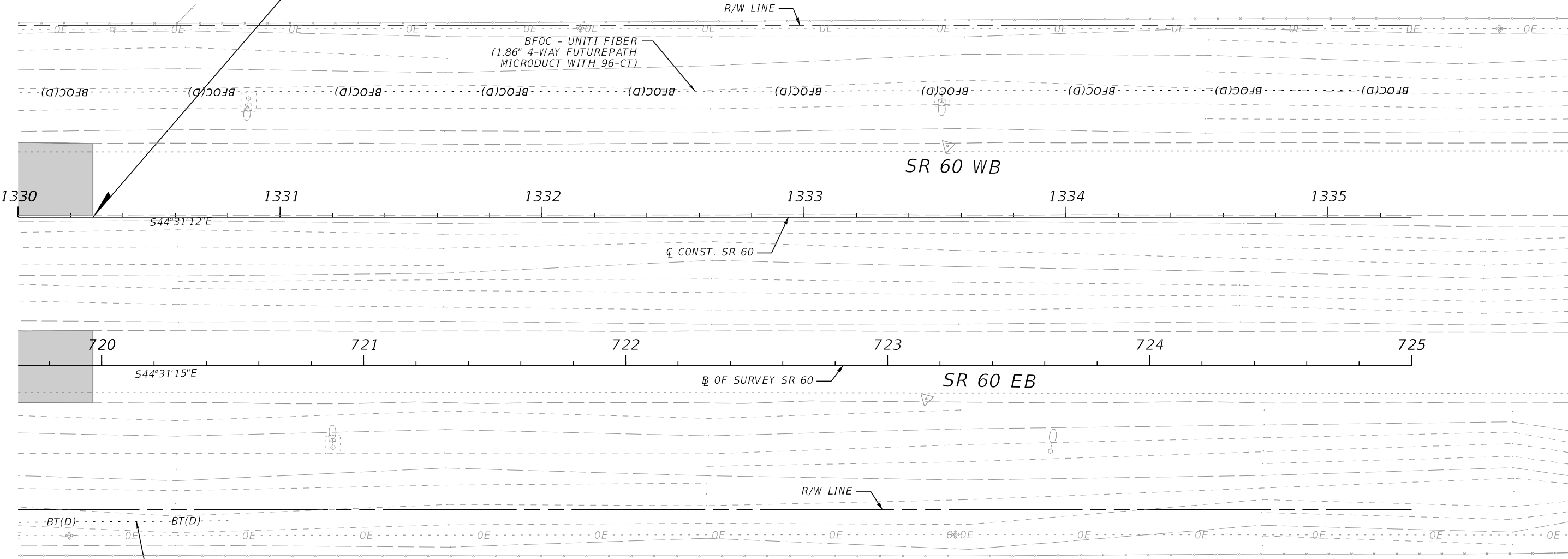
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				SR 60	POLK	449276-1-52-01					



END PROJECT
 END CONSTRUCTION
 END MILLING & RESURFACING
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 MP. 12.642

BFOC - UNIFI FIBER
 (1.86" 4-WAY FUTUREPATH
 MICRODUCT WITH 96-CT)



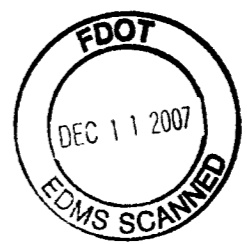
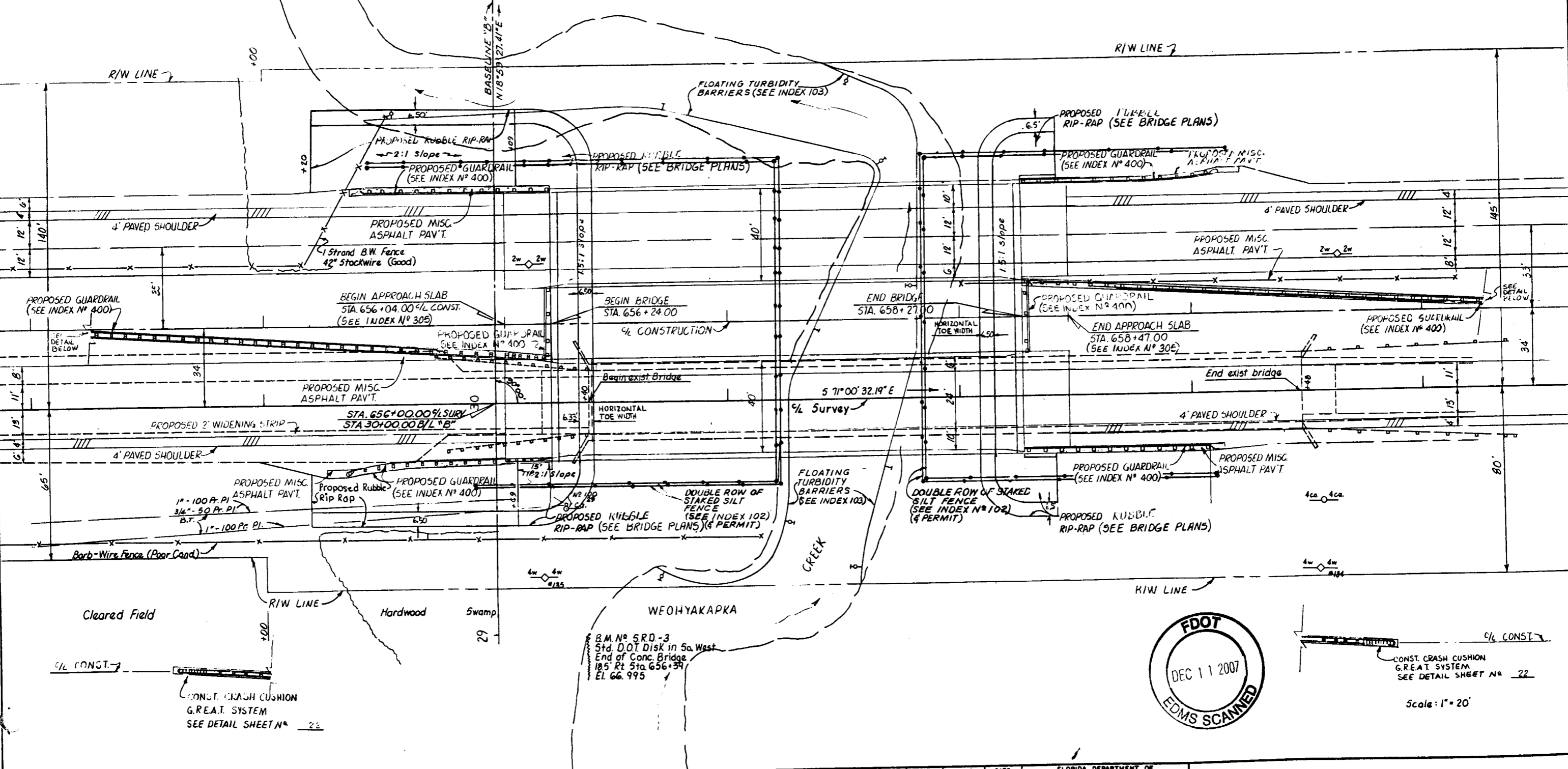
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REVISIONS				ENGINEER OF RECORD			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO A. CASTRO, P.E. LICENSE NUMBER: 68294 ROADWAY DESIGN SOLUTIONS, INC. 8600 NW 17TH STREET, SUITE 145 DORAL, FL 33126			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 60	POLK	449276-1-52-01		142

654 655 656 657 658 659 660



CONST. CRASH CUSHION G.R.E.A.T. SYSTEM SEE DETAIL SHEET N° 22
Scale: 1" = 20'

REVISIONS		REVISIONS		REVISIONS		REVISIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SUPERVISED BY MJB					

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY JOHN M. PETERSON DATE 2- 9

BRIDGE DETAIL

GENERAL NOTES

GENERAL SPECIFICATIONS: Florida Department of Transportation Standard Specifications for Road & Bridge Construction (1991) and Supplements thereto.

DESIGN SPECIFICATIONS: Designed in accordance with the 1989 edition of the AASHTO Specifications for Highway Bridges and Approved Revisions.

DESIGN LOADINGS: HS 20-44

CONCRETE STRESSES: Class II f'c = 3400 psi (if environment is slightly aggressive). Class III f'c = 3400 psi (if environment is moderately or extremely aggressive). (See Bridge Plans for Environment Classification).

REINFORCING STEEL: Reinforcing Steel shall be Grade 60 (epoxy coated if the environment is extremely aggressive).

SURFACE TREATMENT: The top of the approach slab shall be given the same treatment as the bridge deck.

SUBBASE: The subbase shall consist of the same material shown in the Roadway Plans, and shall be placed parallel to the bottom of the Approach Slab.

PAYMENT: Payment shall be made under Item No. 360-1 Concrete Approach Slab—each. The work shall comply with the details on this sheet, the Bridge and Roadway Plans, and Section 360. The bid price for approach Slab shall include all items placed on the slab, such as sidewalks, barriers, raised median etc., unless otherwise noted in the Bridge or Roadway Plans. Grooving of the Approach Slab riding surface is a Bridge Pay Item. See Bridge Plans.

Note No. 1: If a longitudinal joint is necessary or allowed by the Engineer, the transverse steel shall be extended as shown.

Note No. 2: Case I indicates an approach slab adjacent to a non-skewed bridge. Unless otherwise indicated, all details shown apply to Cases II and III also.

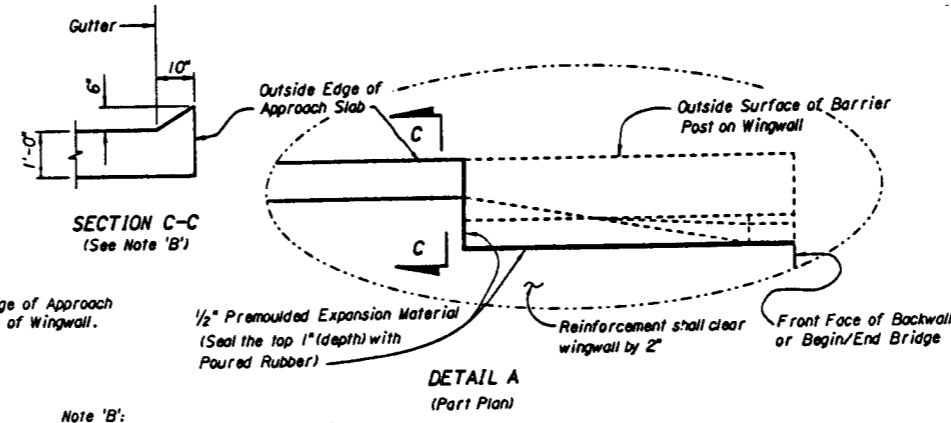
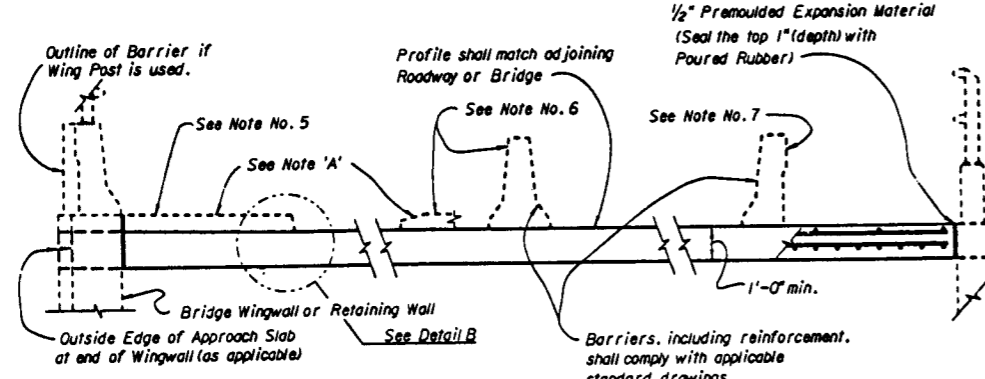
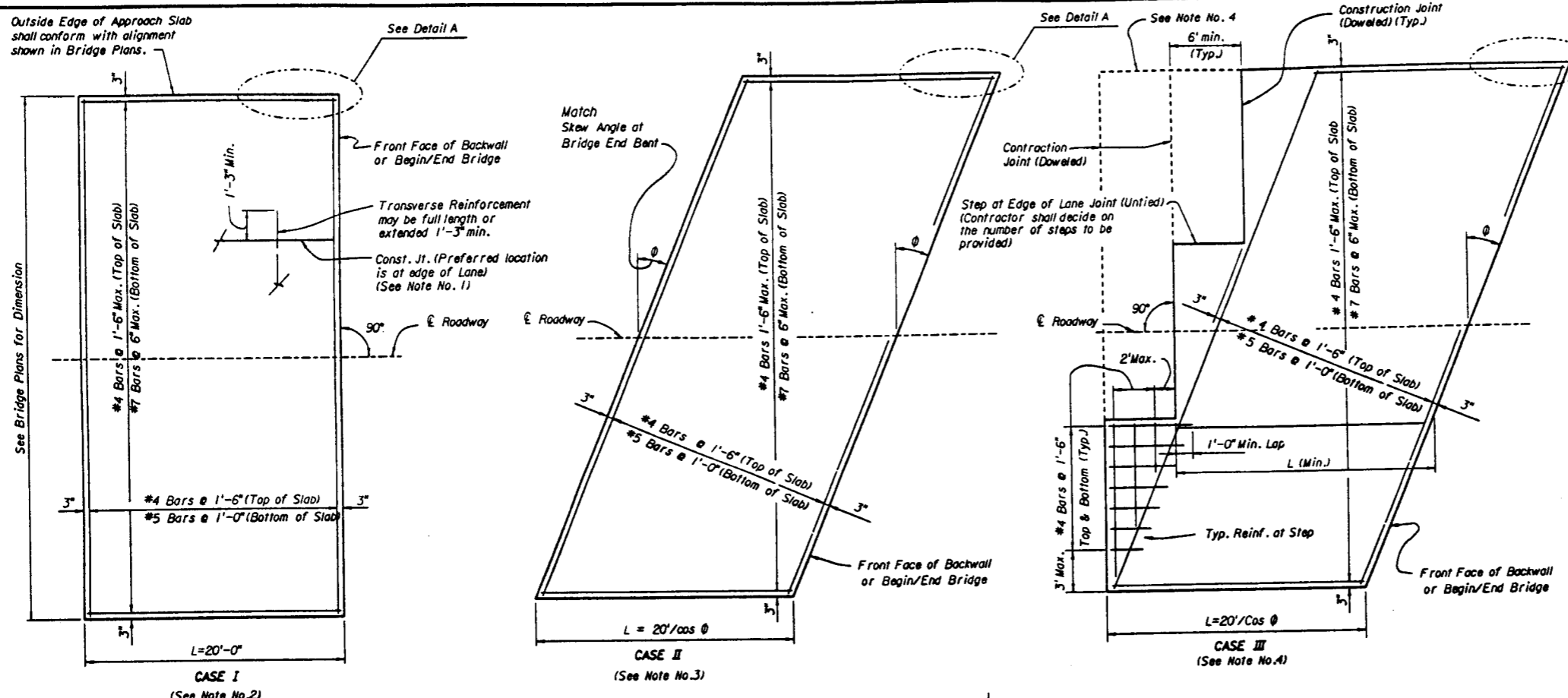
Note No. 3: Case II indicates an approach slab between a flexible roadway approach pavement and a skewed bridge.

Note No. 4: Case III indicates an approach slab between a rigid roadway approach pavement and a skewed bridge. The Contractor may at his option construct the entire approach slab trapezoidal or provide steps as shown. If steps are selected, the interface (transverse) between the approach slab and roadway pavement, and extension of this interface across the roadway pavement shall be doweled (contraction joint) in accordance with Index No. 305 (Roadway Standards).

Note No. 5: If the bridge or roadway plans indicate a raised sidewalk, this shall be provided on the approach slab.

Note No. 6: If the bridge or roadway plans indicate a barrier wall or a raised median, this shall be provided on the approach slab.

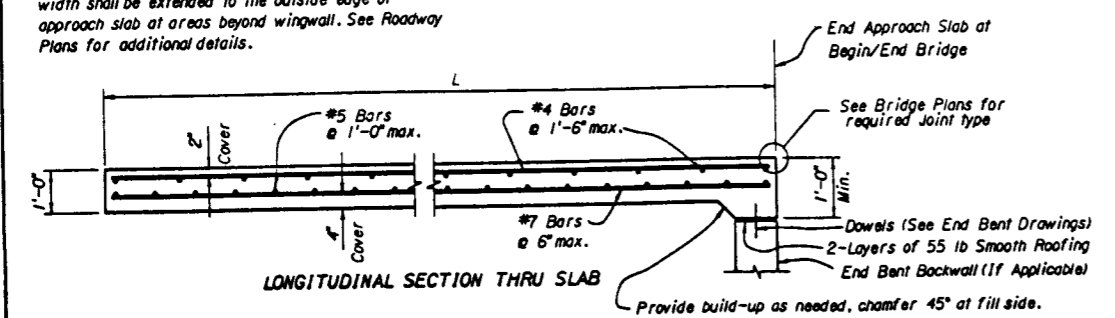
Note No. 7: If the bridge or roadway plans indicate a traffic railing (barrier), this shall be provided on the approach slab. If guardrail connection is required the barrier shall be transitioned as indicated on the standard drawings.



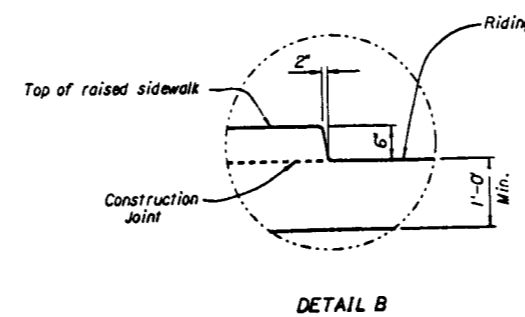
* ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
Concrete	C.Y.	0.333
Reinforcing Steel	LB.	54.200

* Quantities shown are per square yard (plan area), and do not include items placed on the slab such as sidewalks, raised median and barriers.
NOTE: Total area of Approach Slab is given in the Bridge Plans.

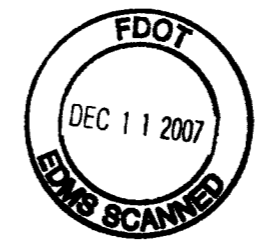
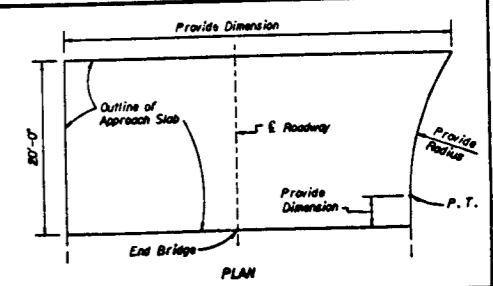
Note 'A': Raised Sidewalks and raised median shall be built using plain (unreinforced) concrete. The sidewalk width shall be extended to the outside edge of approach slab at areas beyond wingwall. See Roadway Plans for additional details.



Note 'B': Detail shown on Section C-C applies beyond Wing Post for Traffic Railing Barrier along the edge of the Bridge. This detail does not apply at raised sidewalk.



(NOT-IN-CONTRACT)
INSTRUCTIONS TO DESIGNER
Besides providing the plan area (s.y.) of approach slabs in the Bridge Plans, please define slab boundaries, i.e.:



REVISIONS				ENGINEER OF RECORD:		LOGO:		SEAL:		FLORIDA DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN OFFICE		SHEET TITLE: APPROACH SLABS		Drawing No. 1 of 1	
Date	By	Description	Date	By	Description	Name	Dates			ROAD NO. COUNTY PROJECT NO.		PROJECT NAME		Index No.	
						Drawn by SHM	2-89			60 POLK 16130-3517		S.R. 60 OVER WEOHYAKAPKA CREEK		900	
						Checked by AJG	2-89								
						Designed by AJG	3-89								
						Checked by TJB	3-89								
						Approved by AJG									

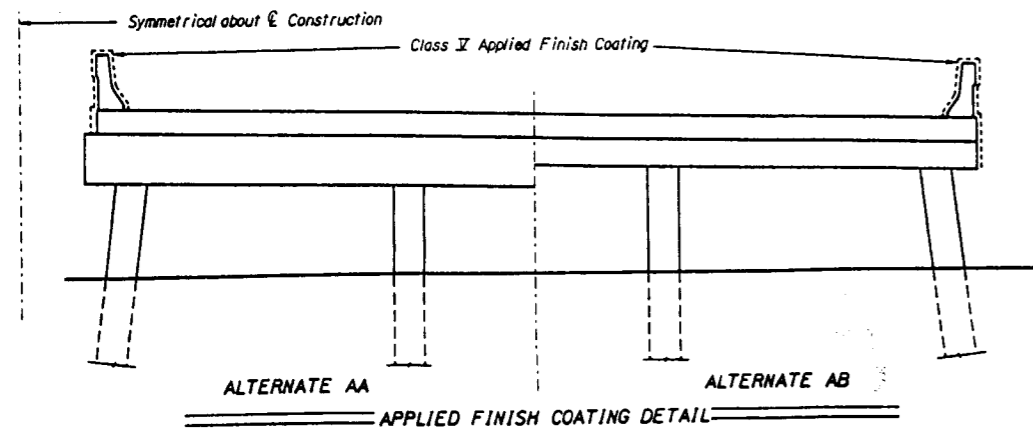
FILE NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	FLA.	F-200-2122	91	BX-3

INDEX OF BRIDGE SHEETS

- GENERAL:**
- G-1 Index of Bridge Sheets, General Notes & Riprap Details
 - G-2 Traffic Railing Barrier Index No. 700
 - G-3 18" & 20" Prestressed Concrete Piles Index No. 601
 - G-4 Standard Bar Bending Details Index No. 1300 (Modified)
 - G-5 Composite Neoprene Bearing Pads Index No. 200
 - G-6 Core Boring Sheet
 - G-7 Bridge Design Data Sheet - Alternate AA
 - G-8 Bridge Design Data Sheet - Alternate AB
- ALTERNATE AA: (Prestressed Slab Units)**
- A-1 Plan and Elevation
 - A-2 Pile Layout
 - A-3 Finish Grade Elevations
 - A-4 End Bent Nos. 1 & 8 (Left and Right)
 - A-5 Intermediate Bent Nos. 2 thru 7 (Left and Right)
 - A-6 Prestressed Slab Unit Layout and Notes
 - A-7 Superstructure Details
 - A-8 Prestressed Slab Units
 - A-9 Reinforcing Bar List
- ALTERNATE AB: (Cast-in-Place Slab)**
- B-1 Plan and Elevation
 - B-2 Pile Layout
 - B-3 Finish Grade Elevations
 - B-4 End Bent Nos. 1 & 8 (Left and Right)
 - B-5 7 Span Continuous Superstructure (Sheet 1 of 2)
 - B-6 7 Span Continuous Superstructure (Sheet 2 of 2)
 - B-7 Superstructure Details
 - B-8 Reinforcing Bar List
- EXISTING STRUCTURE**
- E-1 thru E-9 Existing Bridge Plans

BID ITEM NOTES

- 1) For Summary of Bridge Pay Items see Roadway Plans.
- 2) Payment for incidental items not specifically covered in the individual bid items shall be included in the contract unit price for bid items.
- 3) Item No. 110-3 includes removal of approximately 11,500 Sq. Ft. of Existing Bridge to be removed and disposed of at the Contractor's expense.
- 4) Median Guardrail between bridges is included with the roadway pay item for Guardrail.
- 5) Item No. 400-7 includes 390.0 S.Y. of Approach Slab Grooving.
- 6) The total plan area of Approach Slab required is 390.0 S.Y. . Details of Approach Slab and payment are included in the Roadway Plans.
- 7) For Maintenance of Traffic Notes, see Roadway Plans.
- 8) The Contractor may bid on only one of the alternates designed.
 Alt. AA - Prestressed Slab Unit Superstructure.
 Alt. AB - Cast-in-place Superstructure.



ALTERNATE AA **ALTERNATE AB**
APPLIED FINISH COATING DETAIL

GENERAL NOTES

GENERAL SPECIFICATIONS
 Florida Department of Transportation Standard Specifications for Road and Bridge Construction (1991 edition) and Supplements thereto.

DESIGN SPECIFICATIONS
 American Association of State Highway and Transportation Officials (AASHTO) Standard Specifications for Highway Bridges (1989 edition), with interims, with the following exceptions:
 Distribution width = 6.5 feet (Article 3.24.3.2) (Alt. AA) = 7.0 feet (Article 3.24.3.2) (Alt. AB)

ENVIRONMENT
 Superstructure - non-corrosive (slightly aggressive).
 Substructure - non-corrosive (slightly aggressive).
 Location - Inland.

DESIGN LOAD
 Live Load: HS 20-44
 Earthquake: Seismic Performance Category A

DESIGN METHOD
 Piles were designed by Service Load Design. All remaining components were designed by Load Factor Design. Load fraction and distribution width were determined from finite element plate bending analysis.

FUTURE WEARING SURFACE
 Design includes allowance for 15 PSF.

PILES
 All piles are 18" sq. Prestressed Concrete Piles.

PILE LOADS

At End Bents 1 & 8:
 Piles shall be driven to a design load of 60 tons times the factor of safety in accordance with Specification 455-3.12.2. Under no circumstances shall the piles be installed to a tip elevation above elevation 38.0.

At Intermediate Bents 2, 3, 4 & 7:
 Scour has been considered in the design with a scour depth assumed at elevation 50.0 and a point of sixty 5 ft. below this elevation. Under no circumstances shall the piles be installed to a tip elevation above elevation 32.0.
 Piles shall be driven to a static resistance of 85 tons times a factor of safety in accordance with Specification 455-3.12.2. This resistance includes 15 tons attributable to the scourable material. The factor of safety assumed is 2.5.

At Intermediate Bents 5 & 6:
 Scour has been considered in the design with a scour depth assumed at elevation 45.0 and a point of sixty 5 ft. below this elevation. Under no circumstances shall the piles be installed to a tip elevation above elevation 30.0.
 Piles shall be driven to a static resistance of 95 tons times a factor of safety in accordance with Specification 455-3.12.2. This resistance includes 25 tons attributable to the scourable material. The factor of safety assumed is 2.5.
 The bearing capacity of the piles shall be determined by wave equation analysis.
 The Engineer, at his option, may choose to dynamically monitor the installation of piles.

CONCRETE

Concrete Class	Maximum Compressive Stress (psi)	Min. 28-day Compressive Strength (psi)	Location of Concrete in Structure	Alternate
II	fc = 1,360	fc = 3,400	CIP Substructure	AA & AB
II	fc = 1,800	fc = 4,500*	CIP Superstructure	AA & AB
IV	fc = 2,200	fc = 5,500	Prestressed Slab Units	AA
V (Special)	fc = 2,400	fc = 6,000	Prestressed Piles	AA & AB

* Design is based on 3,400 psi
 NOTE: Class V (Special) concrete shall conform to all the requirements of Class V concrete except for the minimum 28-day compressive strength. The minimum required compressive strength for Class II and IV Concrete shall be as required by the Specifications.

REINFORCING STEEL
 All reinforcing steel shall be ASTM A 615, Grade 60, except for prestressed concrete piles where Grade 40 or Grade 60 may be used. Allowable tensile stress for Grade 40 - fs = 20,000 psi and for Grade 60 - fs = 24,000 psi.

CONCRETE COVER
 C.I.P. superstructure = 2" (Unless otherwise noted in plans)
 C.I.P. substructure = 4" for external surfaces cast against earth = 3" for other external surfaces
 Prestressed Piles = 3"
 Prestressed Slab Units = 2 1/2" top, 1 3/4" bottom & sides
 Concrete covers shown in the plans do not include placement and fabrication tolerances unless shown as "minimum cover". See FDOT Standard Specifications for allowable tolerances.

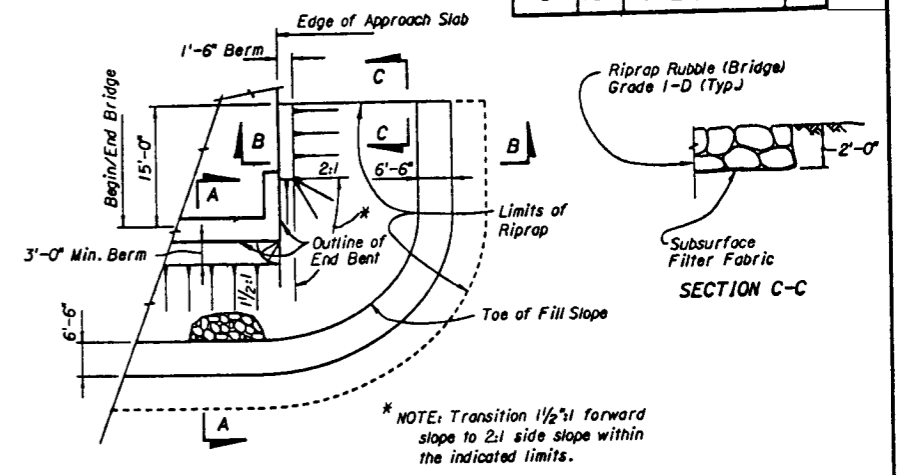
SCREENING DECK SLABS (ALT. AB)
 The riding surface of the bridge deck shall be screeded to finish grade with no allowance for permanent camber. Deck slabs are to be screeded longitudinally between bulkheads unless otherwise directed in writing by the Engineer.

APPLIED FINISH COATING
 A Class V Finish Coating shall be applied to the portions of the structure shown in the Applied Finish Coating Detail. In addition, all exposed top and inside surfaces of end bent wingwalls shall receive a Class V Finish Coating.

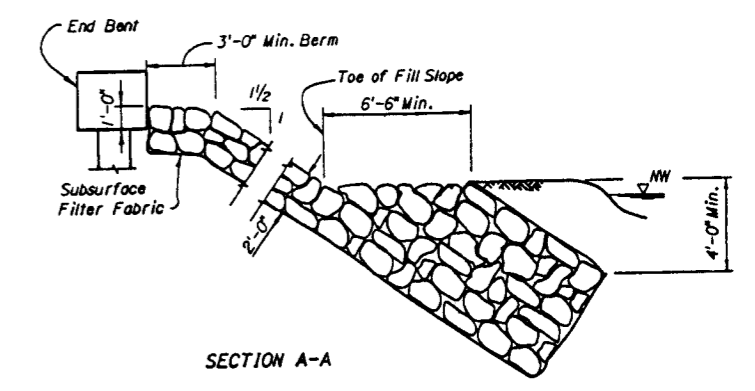
REMOVAL OF EXISTING BRIDGE
 See Plan and Elevation Sheet for limits.

PLAN DIMENSIONS
 All dimensions in these plans are measured either horizontally or vertically unless otherwise noted.

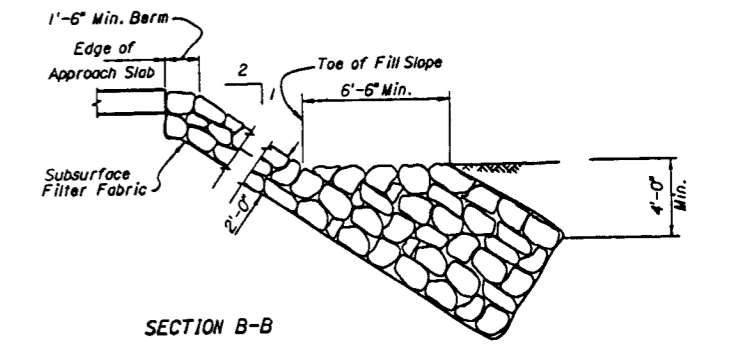
UTILITIES
 See Utility Plans for locations of existing and proposed utilities.



PARTIAL PLAN



SECTION A-A



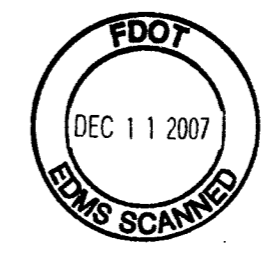
SECTION B-B

RUBBLE RIPRAP DETAILS

NEOPRENE BEARING PADS

The composite neoprene bearing pads shall be furnished by the Department. The Contractor shall pickup these pads at the Department's Warehouse in Gainesville, Florida.

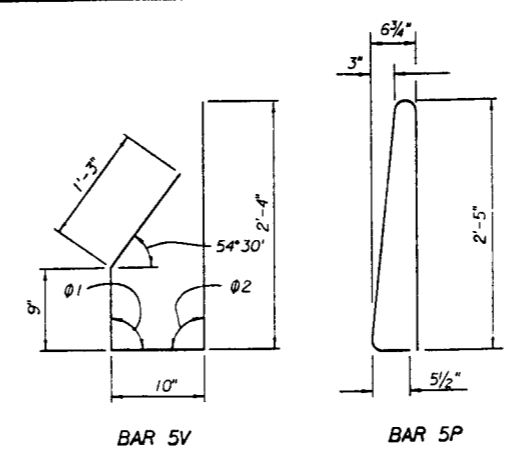
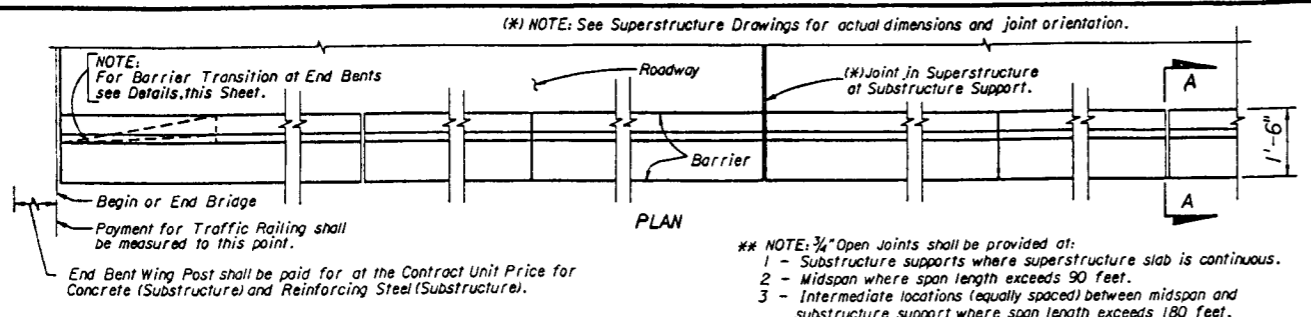
Alternate AA - 252 Type II Pads required.
 Alternate AB - No pads required.



WPI NO. 1118200

REVISIONS				Notes		Dates		ENGINEER OF RECORD:		LOGO:		SEAL:		ROAD NO.		COUNTY		PROJECT NO.		SHEET TITLE		Drawing No.	
Date	By	Description	Date	By	Description	Drawn by	JLF	6-88	STRUCTURES DESIGN OFFICE		FLORIDA DEPARTMENT OF TRANSPORTATION		60		PGLK		16130-3517		INDEX OF BRIDGE SHEETS, GENERAL NOTES & RIPRAP DETAILS		91		
						Checked by	CEB	6-88	CENTRAL OFFICE		EDMS SCANNED								SR 60 OVER WEOHYAKAPKA CREEK		BX-3		
						Designed by	CEB	6-88	605 Suwannee Street, MS 33														
						Checked by	JOE	7-88	Tallahassee, Florida 32399-0450														
						Approved by																	

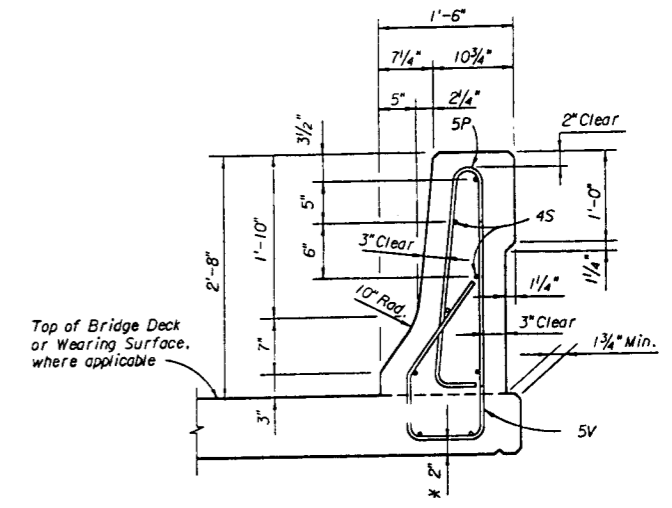
ROADWAY CROSS-SLOPE	LOW GUTTER	HIGH GUTTER
0.00 to 0.02	90°	90°
0.02* to 0.06	93°	87°
0.06* to 0.10	96°	84°



BENDING DIAGRAMS

BAR BENDING NOTES

- All bar dimensions in the bending diagrams are out to out.
- Bars 5P and 5V shall be bent around a pin diameter = 2/2".
- The 9" and the 2'-4" vertical dimensions shown for bar 5V are based on a bridge slab 8" thick or greater and without raised sidewalk or wearing surfacing. If the slab thickness is less than 8" decrease these dimensions by an amount equal to the difference in the thicknesses, and if a wearing surface or a raised sidewalk is to be provided, increase the dimensions by an amount equal to the wearing surface thickness or sidewalk thickness.
- Reinforcement for Barrier on Retaining Wall shall be the same as detailed above for an 8" slab with $\phi 1 = \phi 2 = 90^\circ$.



TYPICAL SECTION THRU TRAFFIC RAILING

REINFORCING STEEL NOTES

Place longitudinal steel in bottom of slab as shown above to facilitate tying bars 5V.

All vertical reinforcing steel in Traffic Railing shall be No. 5 Bars spaced at 8" c.c. and all longitudinal reinforcing steel shall be No. 4 Bars. At all open joints all reinforcing shall have 2" minimum cover. At all construction joints Bars 4S may be continuous or spliced. All splices in Bars 4S shall be 1'-4" minimum.

TRAFFIC RAILING NOTES

CONCRETE AND REINFORCING STEEL: See General Notes.

PAYMENT: Traffic Railing on Bridges shall be paid for per linear foot (Item No. 400-148-1), which shall include all Concrete and Reinforcing Steel. Traffic Railing shall be measured along the centerline of the top surface of the concrete barrier.

CYLINDER STRENGTH: The Cylinder Strength of the Concrete shall be 3,400 p.s.i. minimum at 28 days.

MARKERS: Markers recording the elevation shall be placed on top of the Traffic Railing at End Bents. On bridges longer than 100 ft. long, one marker shall be placed at each end of the bridge. On bridges 100 ft. or less, one marker shall be placed at one end of the bridge only. Markers are to be furnished by the Florida Department of Transportation and installed by the Contractor. The cost of installing the markers shall be included in the Contract Unit Price for Traffic Railing (Barrier).

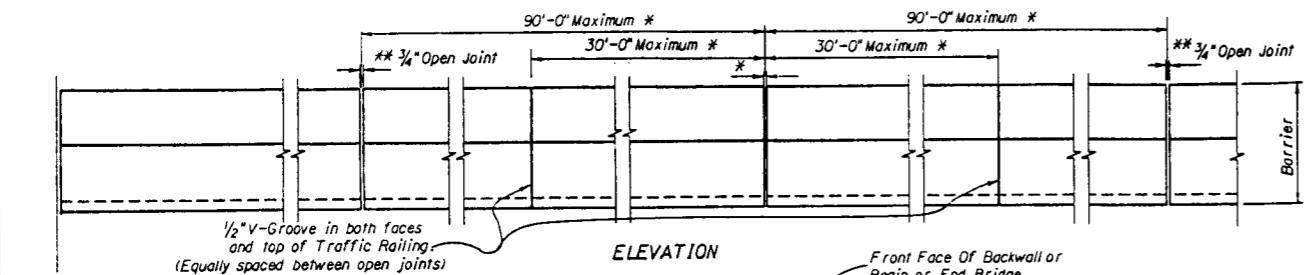
TRAFFIC RAIL CONSTRUCTION: The contractor may construct the railing by the use of stationary removable forms or by the use of slip forms without altering the rail dimensions shown above.

SUPERELEVATED BRIDGES: At the option of the Contractor, Traffic Railing and End Bent Wing Posts on super-elevated bridges, may be constructed perpendicular to the roadway surface. The cost of modifications shall be at the Contractor's expense.

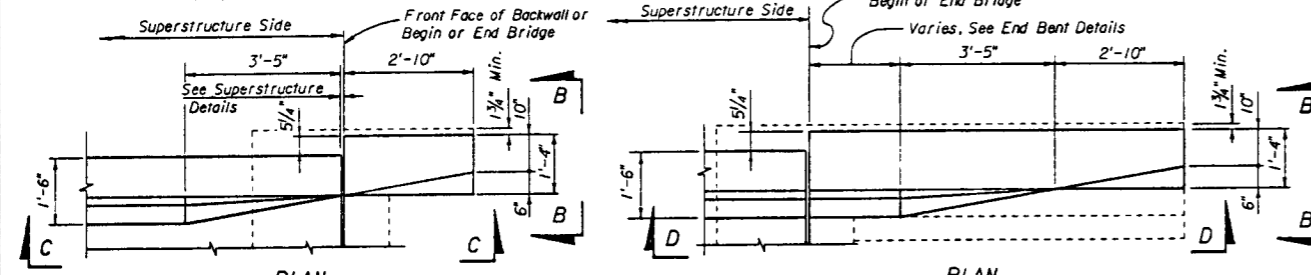
BOLTS: Bolts, Nuts, and Washers shall be hot dip galvanized in accordance with A.S.T.M. A-153.

RETAINING WALL: If the Barrier is to be provided on a retaining wall, the Barrier Section shall be as shown above. Other details such as transition for guardrail attachment, maximum spacing of 3/4" open joint and 1/2" V-Groove shall also apply. See Wall Plans for Payment.

NAME AND BRIDGE NUMBER: The Name and Bridge Number to be placed on the Traffic Railing shall be seen on the driver's right when approaching the bridge. The date is to be placed on the driver's left when approaching the bridge. The date shall be the year the bridge is constructed. Black plastic letters and figures 3" in height, as approved by the Engineer, may be used in lieu of letters and figures formed by 3/8" V-Grooves. V-Grooves shall be formed by preformed letters and figures.



ELEVATION

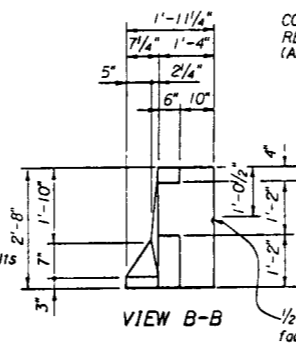


TYPICAL TRAFFIC RAILING QUANTITIES

CONCRETE: 0.1030 C.Y. per linear foot.

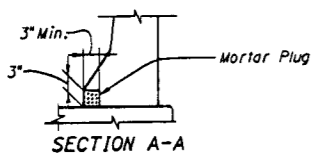
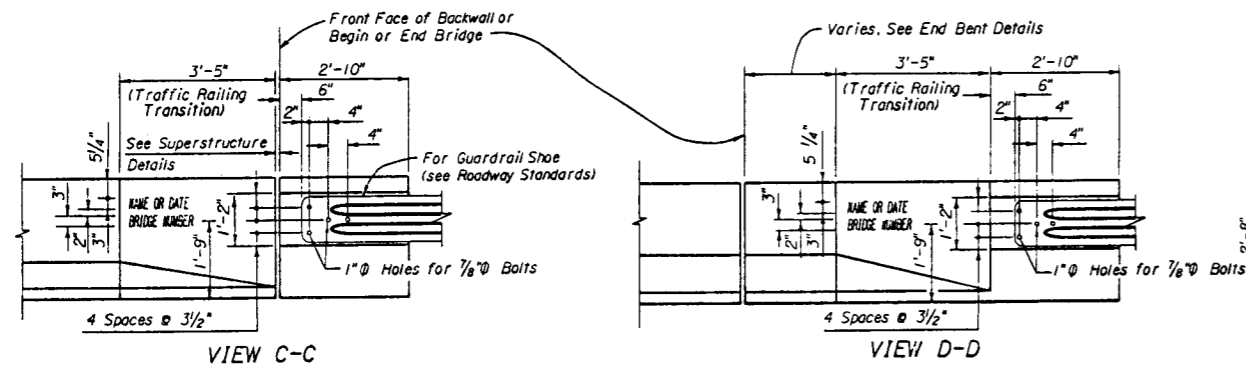
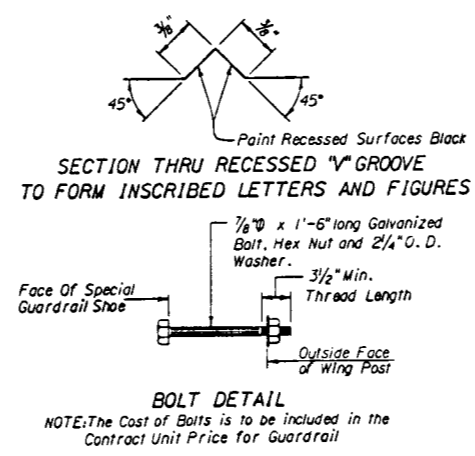
REINFORCING STEEL: 20.49 lbs. per linear foot.

(Above quantities are based on 8" slab and 0.02 cross-slope)



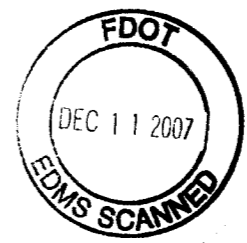
NOTE 'A': If Barrier Transition is required (see End Bent Details) and the Superstructure Depth (thickness) is 25 inches or less, the Transition shall be provided on the Superstructure side. To accommodate the Transition on the Superstructure the Reinforcement (Bars 5V, 5P & 4S) will need adjusting. The vertical 1'-3" portion of Bars 5V shall be bent to fit and the horizontal 10" portion along the bottom shall be cut at the center.

NOTE 'B': If Barrier Transition is required (see End Bent Details) and the Superstructure Depth (thickness) exceeds 25 inches, the Barrier Transition shall be provided on the End Bent side.

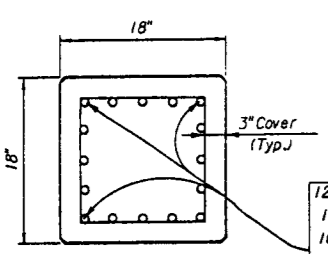
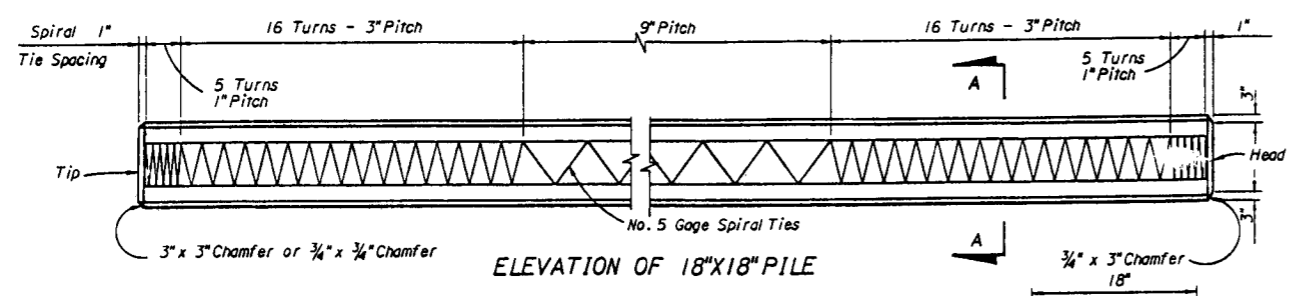


NOTE: When open joint in Barrier is not coincident with joint in the superstructure, the lower 3" portion of the open joint shall be plugged with mortar in accordance with Article 400-15-1.

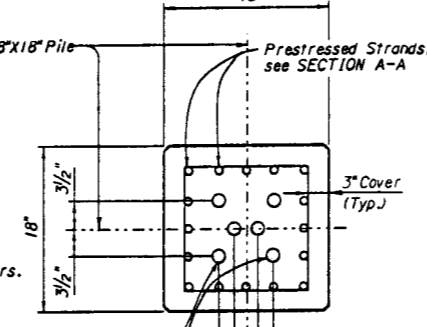
NOTE: Holes and grooves shall be placed on barrier type Traffic Railings of divided and undivided bridges as shown in the plans for designated Type 'C' Single Column, Informational, Guide, Regulatory and Warning Sign locations (see Signing Plans) and at approximately 500' intervals along the right railings of bridges between designated locations for future signs as directed by the Engineer. The cost of the extra holes and grooves shall be included in the contract unit price for Traffic Railing (Barrier). If Signing Plans are not available the Project Engineer should secure necessary information from the District Maintenance or Traffic Operations Office.



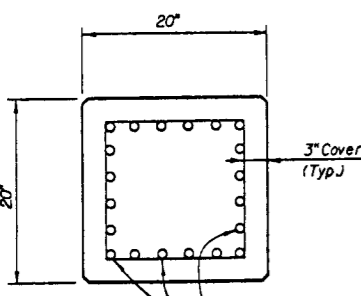
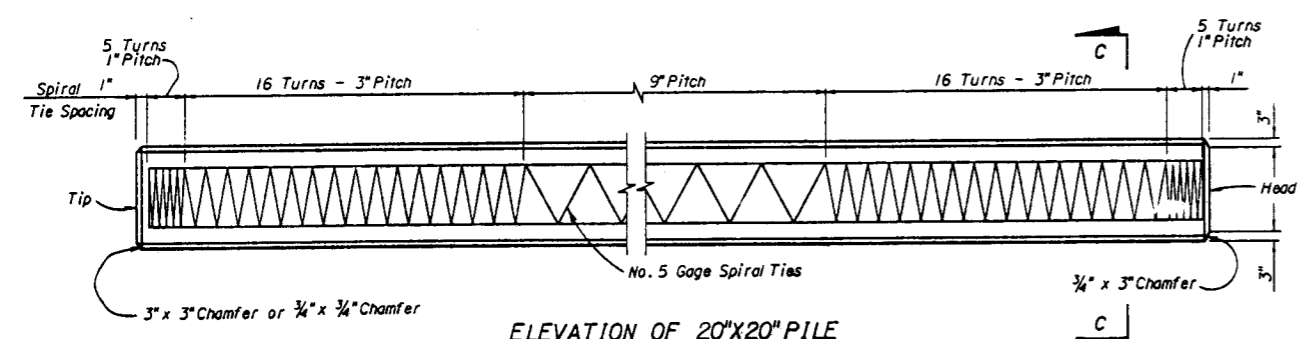
REVISIONS				ENGINEER OF RECORD:		LOGO:		SEAL:		SHEET TITLE:		Drawing No.	
Date	By	Description	Date	By	Description	FLORIDA DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN OFFICE		TRAFFIC RAILING BARRIER		1 of 1		Index No.	
			90R			605 Suwannee Street, MS 33 Tallahassee, Florida 32399-0450		ROAD NO. COUNTY PROJECT NO.		S. R. 60 OVER WEOHYAKAPKA CREEK		700	
								60 POLK 16130-3517		The Dec 20 13:02:16 1998T1120,174JSLIP		BX-4	



12 - 1/2" Ø (Spec.) L.R.S. - As = 0.167 in. ² - 270K at 32,400# ea spaced 3 3/8" ctrs.
12 - 3/16" Ø S.R. - As = 0.192 in. ² - 270K at 35,100# ea spaced 3 3/8" ctrs.
16 - 1/2" Ø S.R. - As = 0.153 in. ² - 270K at 26,800# ea spaced 2 3/4" ctrs.
20 - 7/16" Ø L.R.S. - As = 0.115 in. ² - 270K at 20,000# ea spaced at 2 1/8" ctrs.
20 - 3/16" Ø S.R. - As = 0.115 in. ² - 270K at 21,100# ea spaced at 2 1/8" ctrs.
24 - 3/16" Ø L.R.S. - As = 0.085 in. ² - 270K at 16,300# ea spaced at 1 1/4" ctrs.

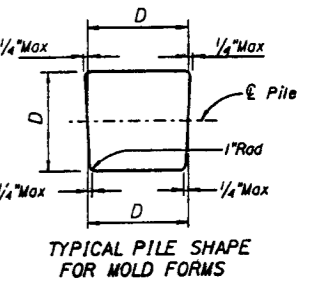
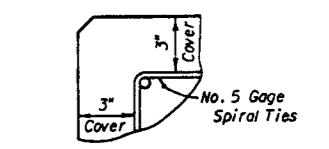
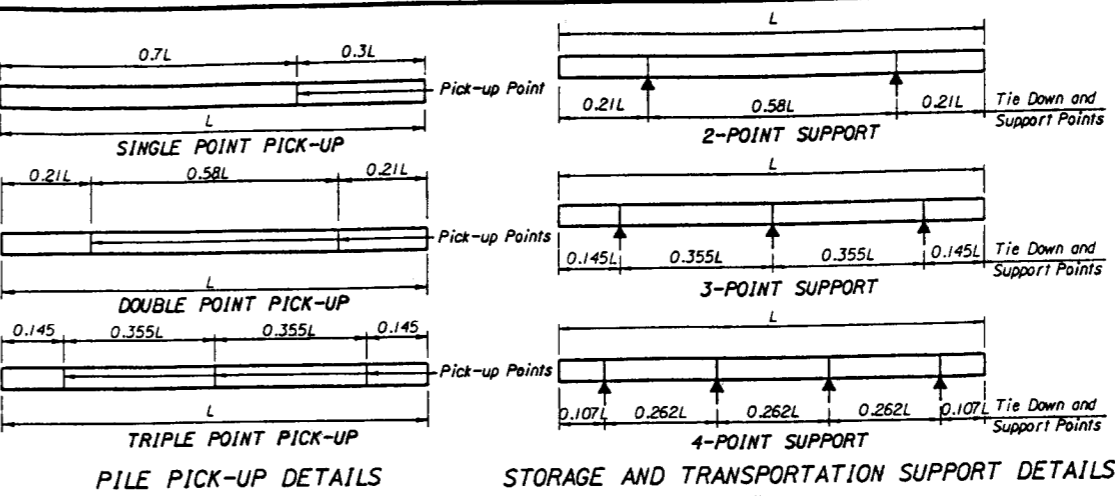


DETAILS FOR 18" X 18" PRESTRESSED CONCRETE PILE



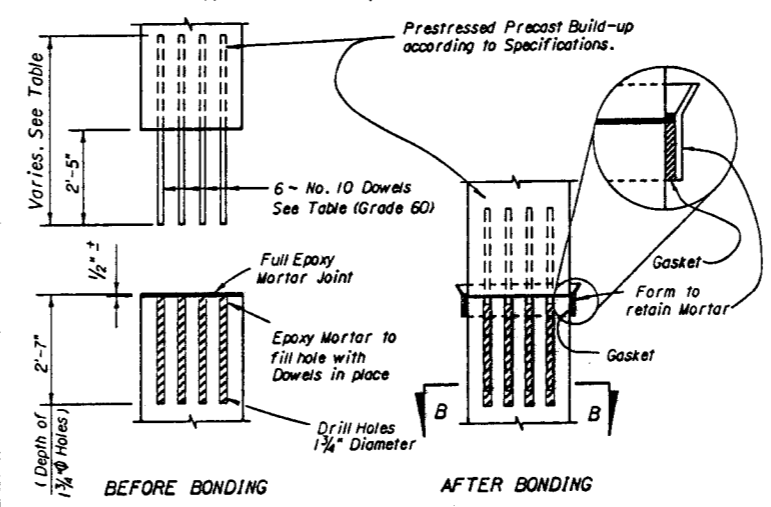
Maximum Length - 65' - Single Point Pick-up
 Maximum Length - 95' - Double Point Pick-up
 Over - 95' - Triple Point Pick-up
 See Pile Pick-up Details

16 - 1/2" Ø L.R.S. - As = 0.153 in. ² - 270K at 30,000# ea spaced at 3 1/4" ctrs.
16 - 1/2" Ø (Spec.) S.R. - As = 0.167 in. ² - 270K at 31,570# ea spaced at 3 1/4" ctrs.
20 - 1/2" Ø S.R. - As = 0.153 in. ² - 270K at 26,500# ea spaced at 2 3/8" ctrs.
24 - 7/16" Ø L.R.S. - As = 0.115 in. ² - 270K at 20,500# ea spaced at 2 1/8" ctrs.
24 - 3/16" Ø S.R. - As = 0.115 in. ² - 270K at 21,740# ea spaced at 2 1/8" ctrs.

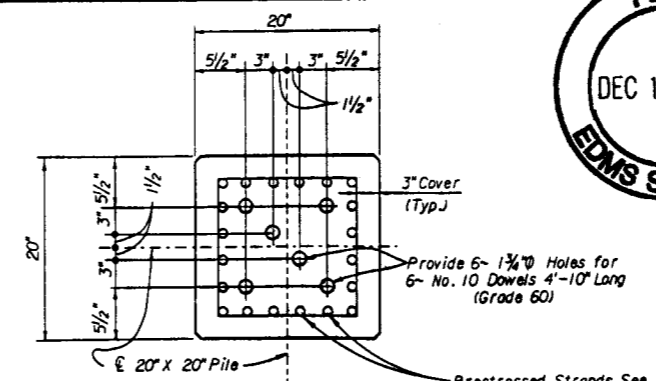


Drivable Splice	Minimum Splice Length	No. 10 Dowel Length
YES	10'-0"	7'-5"
NO *	5'-0"	4'-10"

* For Splices less than 5'-0" and not Driven, use the Reinforced Splice Section in conformance with Section 455 of the Standard Specifications.



EPOXY BONDED SPLICE DETAILS FOR 18" AND 20" PILES



SECTION B-B
(See Splice Details)

GENERAL NOTES

SPIRAL TIES: Each wrap of spirals shall be tied to at least two corner strands. One turn required for spiral splices. Spirals may be manufactured from stock meeting requirements of any grade of reinforcing steel or hard drawn steel.

PILE CUT OFF: Piles required to be cut off shall be sawcut at the pile cut off elevation shown on the contract plans with an abrasive saw. Unless otherwise noted on contract plans, the cut shall be made to the depth into the pile necessary to cleanly cut through the prestressed strand.

CONCRETE CLASS: Concrete for all piles shall be Class II (Special). Class II (Special) Concrete shall conform to the requirements for Class II Concrete except for the 28-day strength as noted below.

CONCRETE STRENGTH: The cylinder strength shall be 6,000 p.s.i. minimum at 28 days and 4,000 p.s.i. minimum at transfer of the Prestressing Force.

SPLICED PILES: Piles may be spliced in accordance with Section 455-5.12 of the standard specifications. Precast builds up shall be prestressed and reinforced according to pile details for the "head" section of the pile shown on this sheet. Spliced piles may be driven after splice is two days old.

PICK-UP POINTS: Piles shall be marked at the pick-up points to indicate proper points for attaching handling lines.

STORAGE AND TRANSPORTATION: Piles shall be supported on adequate dunnage both in the precasting yard and at the jobsite and shall be supported and tied down during transit in accordance with the following schedule:

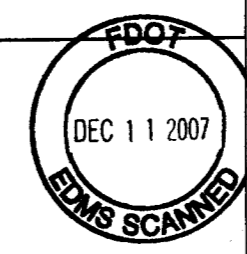
Type Pickup Required by Pile Length	Type Storage and Transportation Support Detail
Single or Double	2, 3 or 4 Point Support
Triple	3 or 4 Point Support

REINFORCING STEEL: All Reinforcing Steel shall be either Grade 40 or 60, unless otherwise noted. See Environmental Requirements Note for splice reinforcing only (Spiral ties and prestressing strand are uncoated for all environmental classes).

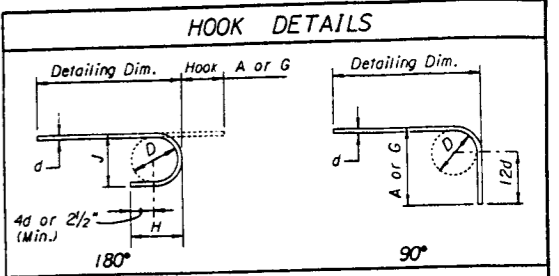
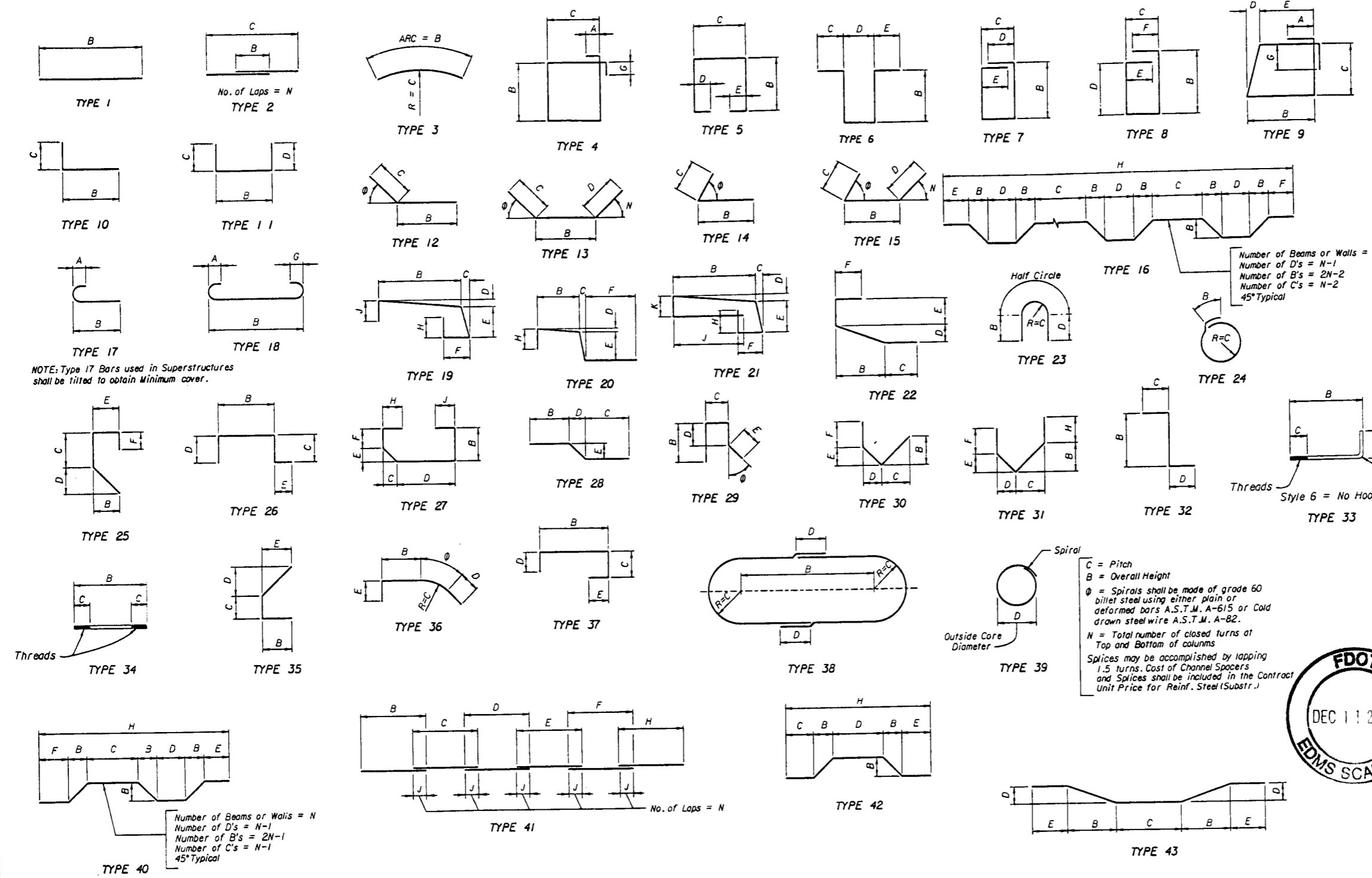
STRAND NOMENCLATURE:
 S.R. = Stress Relieved Strand
 L.R.S. = Low-Relaxation Strand

ENVIRONMENTAL REQUIREMENTS: The substructures' environmental class is shown in the "GENERAL NOTES" for the structure. Provide splice reinforcing in accordance with the following schedule for the appropriate environmental class:

	Slightly Aggressive Environment	Moderately Aggressive Environment	Extremely Aggressive Environment
Reinforcing Banded Splice Treatment	Uncoated (Black)	Uncoated (Black)	Coated (Epoxy)

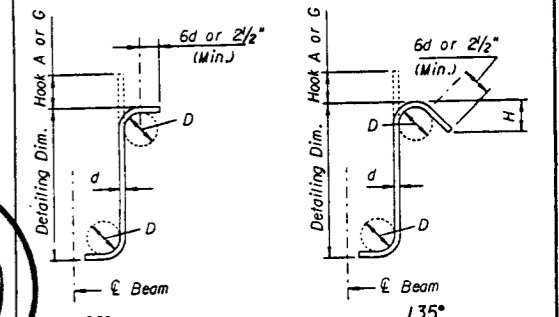


REVISIONS				Notes		Dates		ENGINEER OF RECORD:		LOGO:		SEAL:		FLORIDA DEPARTMENT OF TRANSPORTATION		STRUCTURES DESIGN OFFICE		SHEET TITLE:		DRAWING NO.	
Date	By	Description	Date	By	Description	Date	By														
			90R					Drawn by WEH 9-87		STRUCTURES DESIGN OFFICE		605 Suwannee Street, MS 33 Tallahassee, Florida 32399-0450		ROAD NO. 60 COUNTY POLK PROJECT NO. 16130-3517		18" AND 20" PRESTRESSED CONCRETE PILES		1 of 1			
								Checked by AGM 9-87													
								Designed by													
								Checked by													
								Approved by NICHOLS													



RECOMMENDED END HOOKS
ALL GRADES
 D = 6d for #3 thru #8
 D = 8d for #9, #10 and #11
 D = 10d for #14 and #18

BAR SIZE	180° HOOKS		90° HOOKS
	A OR G	J	A OR G
#3	5"	3"	6"
#4	6"	4"	8"
#5	7"	5"	10"
#6	8"	6"	1'-0"
#7	10"	7"	1'-2"
#8	11"	8"	1'-4"
#9	1'-3"	1 1/4"	1'-7"
#10	1'-5"	1'-1/4"	1'-10"
#11	1'-7"	1'-2 3/4"	2'-0"
#14	2'-3"	1'-9 3/4"	2'-7"
#18	3'-0"	2'-4 1/2"	3'-5"



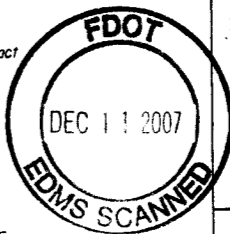
STIRRUPS (TIES SIMILAR)

RECOMMENDED STIRRUP & TIE HOOK DIMENSIONS

BAR SIZE	D (IN.)	90° HOOKS		135° HOOKS	
		HOOK A OR G	J	HOOK A OR G	APPROX. H
#3	1 1/2"	4"	4"	4"	2 1/2"
#4	2"	4 1/2"	4 1/2"	4 1/2"	3"
#5	2 1/2"	6"	6"	5 1/2"	3 3/4"
#6	4 1/2"	1'-0"	1'-0"	7 3/4"	4 1/2"
#7	5 1/2"	1'-2"	1'-2"	9"	5 1/4"
#8	6"	1'-4"	1'-4"	10 1/4"	6"

STYLE 4 5
 STYLE 6 = NO HOOK

Hook Styles Detailed on this sheet are for Illustration Only.
 Actual Hook Style for any particular bar will be shown under A or G heading on REINFORCING BAR LIST sheet.
 All Dimensions are out to out.



C = Pitch
 B = Overall Height
 Ø = Spirals shall be made of grade 60 billet steel using either plain or deformed bars A.S.T.M. A-615 or Cold drawn steel wire A.S.T.M. A-82.
 N = Total number of closed turns at Top and Bottom of columns
 Splices may be accomplished by lapping 1.5 turns. Cost of Channel Spacers and Splices shall be included in the Contract Unit Price for Reinf. Steel (Substr.)

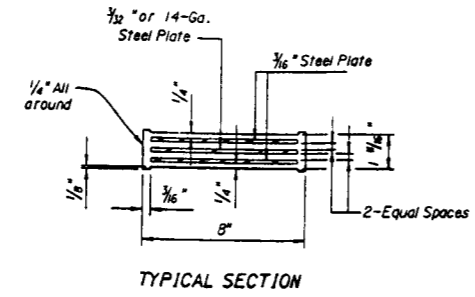
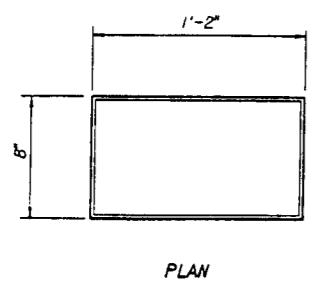
NOTE: For Bar Dimensions See REINFORCING BAR LIST Sheet.

REVISIONS			
Date	By	Description	
10-30-90	CEB	REVISED BAR TYPE 43 TO SUIT JOB NO. 16130-3517	

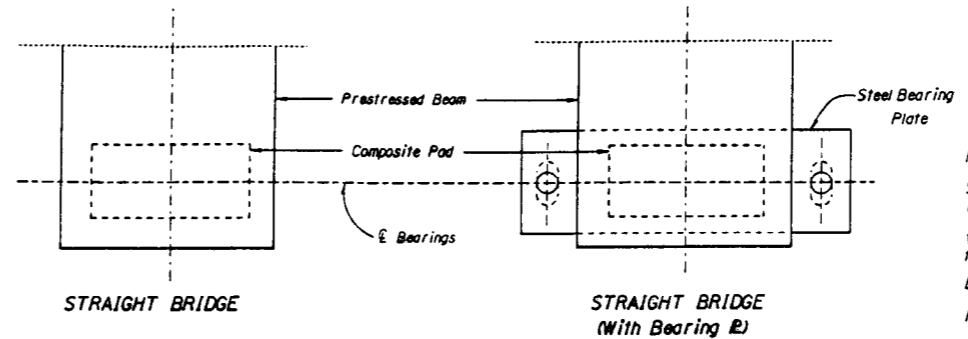
Drawn by RDH 1-86	Checked by RDS 1-86	Designed by	Approved by AGM
ENGINEER OF RECORD: STRUCTURES DESIGN OFFICE 605 Suwannee Street, MS 33 Tallahassee, Florida 32399-0450			

ROAD NO. 60	COUNTY POLK	PROJECT NO. 16130-3517
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SHEET TITLE STANDARD BAR BENDING DETAILS (MODIFIED)	Drawing No. 1 of 1
PROJECT NAME S. R. 60 OVER WEOHYAKAPKA CREEK	Index No. 1300



COMPOSITE PAD TYPE II



PART PLAN

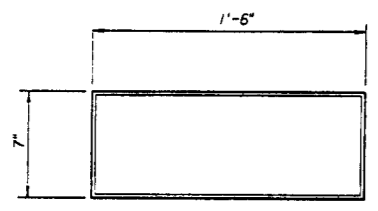
GENERAL NOTES

Neoprene in all Bearing Pads shall have a Grade 50 durometer hardness. Steel Plates in composite pads shall conform to AASHTO Specifications M-251. Variations in pad dimensions will be allowed provided revised pads will meet the current specifications and are approved by the Engineer. Bearing seat shall be finished parallel to the bottom of Beam. For Bearing Plate requirements and details, see Beam Sheets. NOTE TO DESIGNER: Utilization of the standard composite neoprene bearing pads shown on this sheet shall be limited to applications that do not exceed the following values:

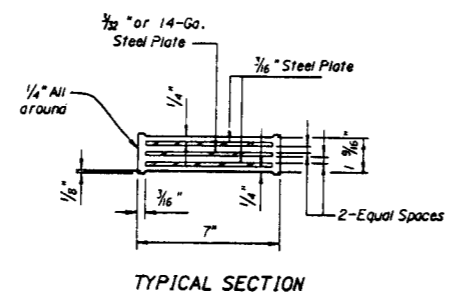
PAD TYPE	MAX. REACTION (DL + LL)	MAX. SHEAR DEFLECTION (Δ 's)
II	90 Kips	0.60"
III	115 Kips	0.55"
IV	130 Kips	0.67"
V	192 Kips	0.75"

Prestressed Beam applications shall be as follows:

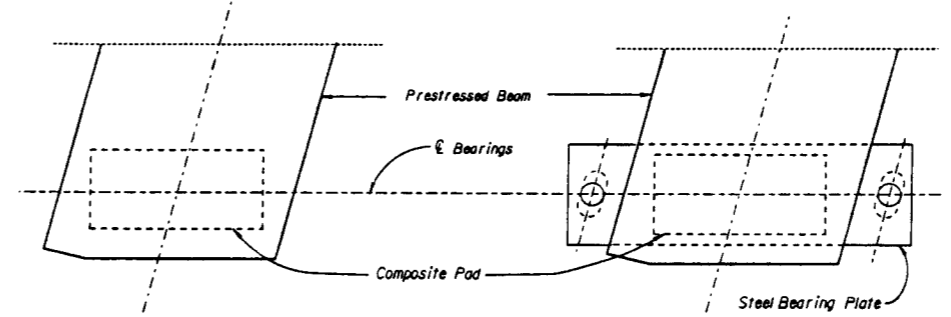
PAD TYPE	BEAM TYPE
II	Type II AASHTO Shape
III	Type III AASHTO Shape
IV	Type IV AASHTO Shape
V	Type V & VI AASHTO Shapes & Florida Bulb-T Shapes



PLAN

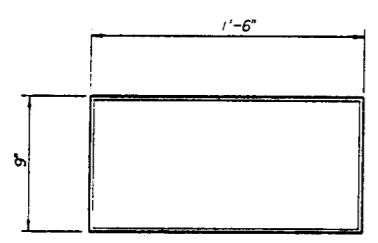


COMPOSITE PAD TYPE III

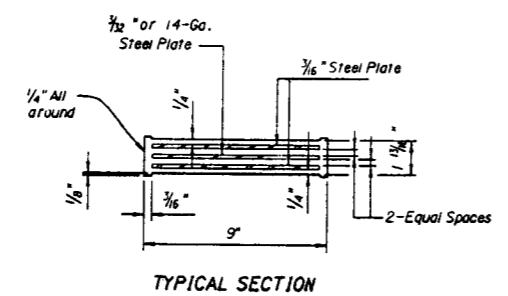


PART PLAN

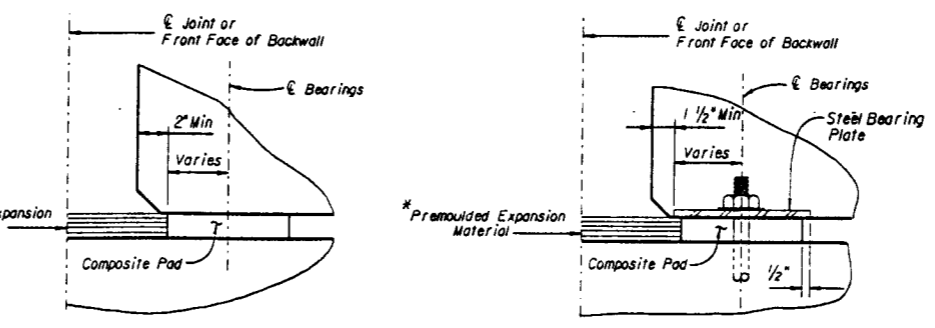
NOTE: The above Maximum Reaction Limitations apply to Prestressed Concrete Beam applications. These Standard Composite Pads may also be utilized as Bearings for other types of beams such as Structural Steel Beams; however, in this event the Designer shall verify that the Design meets the requirements of the AASHTO Specifications.



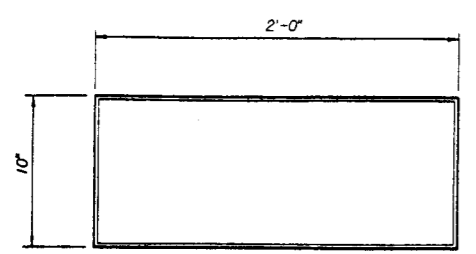
PLAN



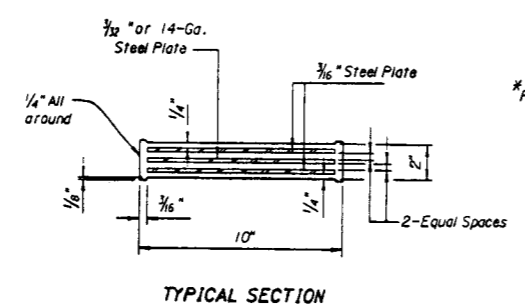
COMPOSITE PAD TYPE IV



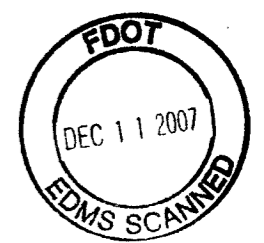
PART ELEVATION
* Premoulded Expansion Material is required for Cast-in-Place Beam Extension.



PLAN




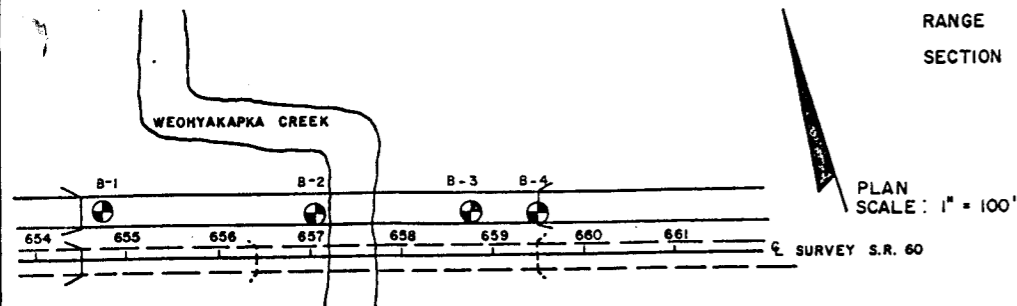
COMPOSITE PAD TYPE V



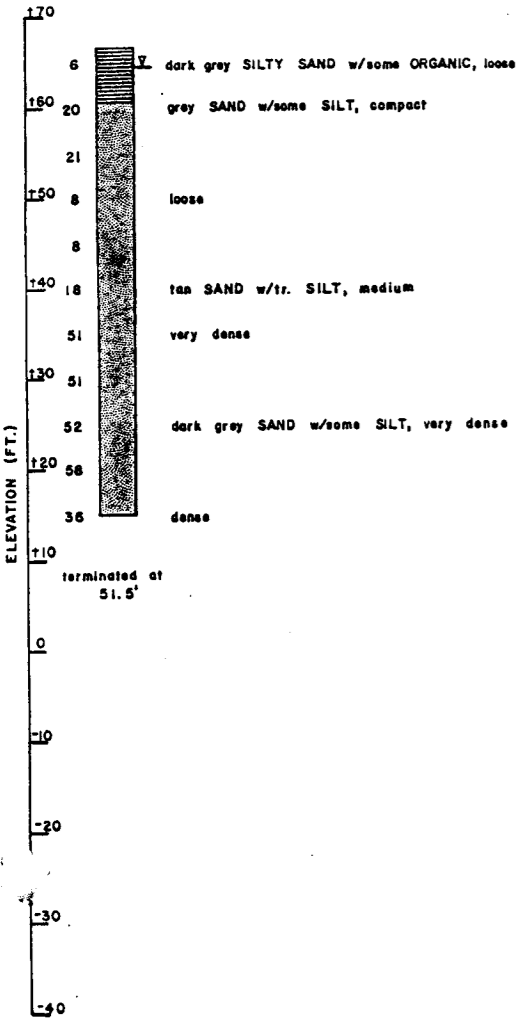
REVISIONS				Names		Dates		ENGINEER OF RECORD:		LOGO:		SEAL:		ROAD NO.		COUNTY		PROJECT NO.		SHEET TITLE:		Drawing No.	
Date	By	Description	Date	By	Description	Date	By	STRUCTURES DESIGN OFFICE		FLORIDA DEPARTMENT OF TRANSPORTATION		60		POLK		16130-3517		COMPOSITE NEOPRENE BEARING PADS		1 of 1			
								605 Suwannee Street, MS 33 Tallahassee, Florida 32399-0450		EDMS SCANNED								S.R. 60 OVER WEOHYAKAPKA CREEK		2			
																				BX-7			

LOCATION
 TOWNSHIP - 30S
 RANGE - 29E
 SECTION - 14

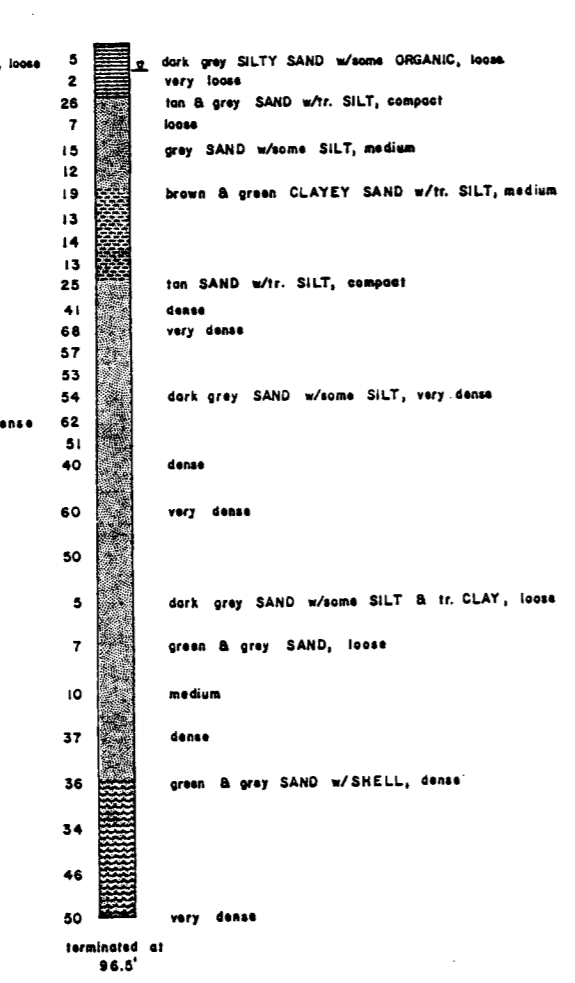
LEGEND

 SAND
 SAND w/SHELL
 SILTY SAND
 CLAYEY SAND



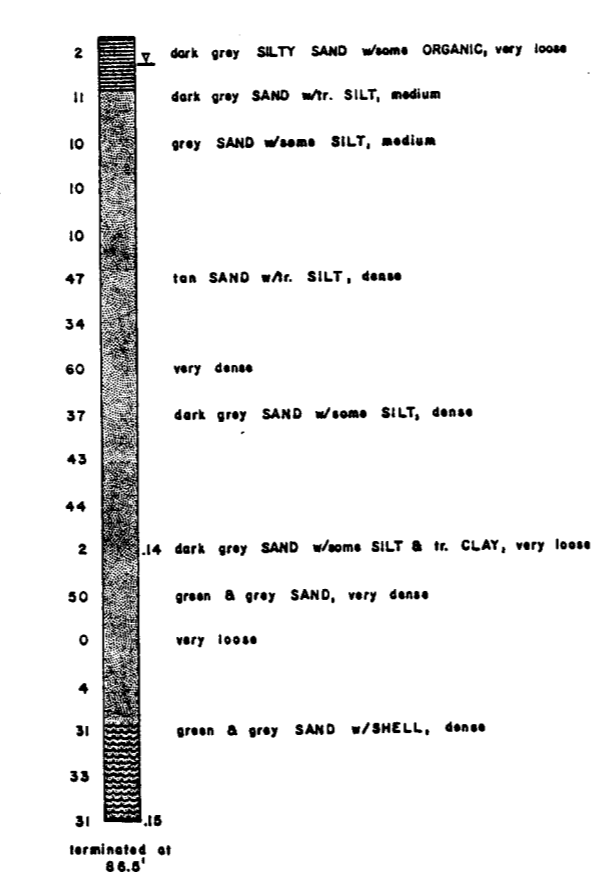
BORING NO. 1
 51' LT. STA. 654 + 75
 ELEV. 66.5'



BORING NO. 2
 45' LT. STA. 657 + 06
 ELEV. 66.5'

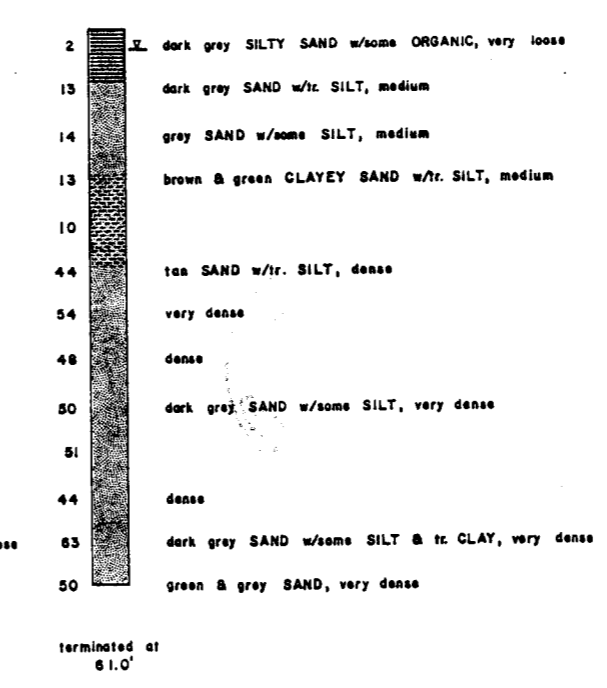


BORING NO. 3
 47' LT. STA. 658 + 75
 ELEV. 66.5'



SCALE: 1" = 10' VERTICAL
 HORIZONTAL NOT TO SCALE

BORING NO. 4
 43' LT. STA. 659 + 50
 ELEV. 66.5'

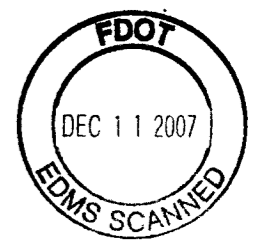


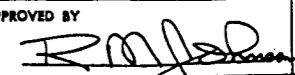
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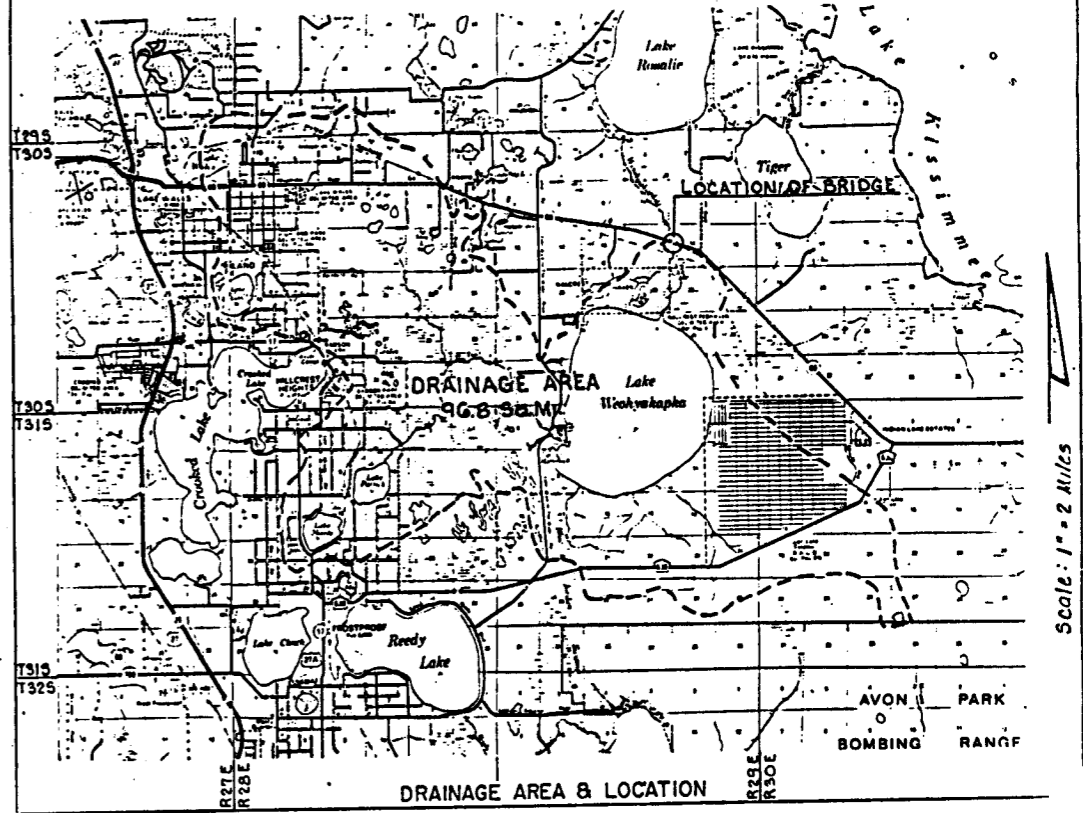
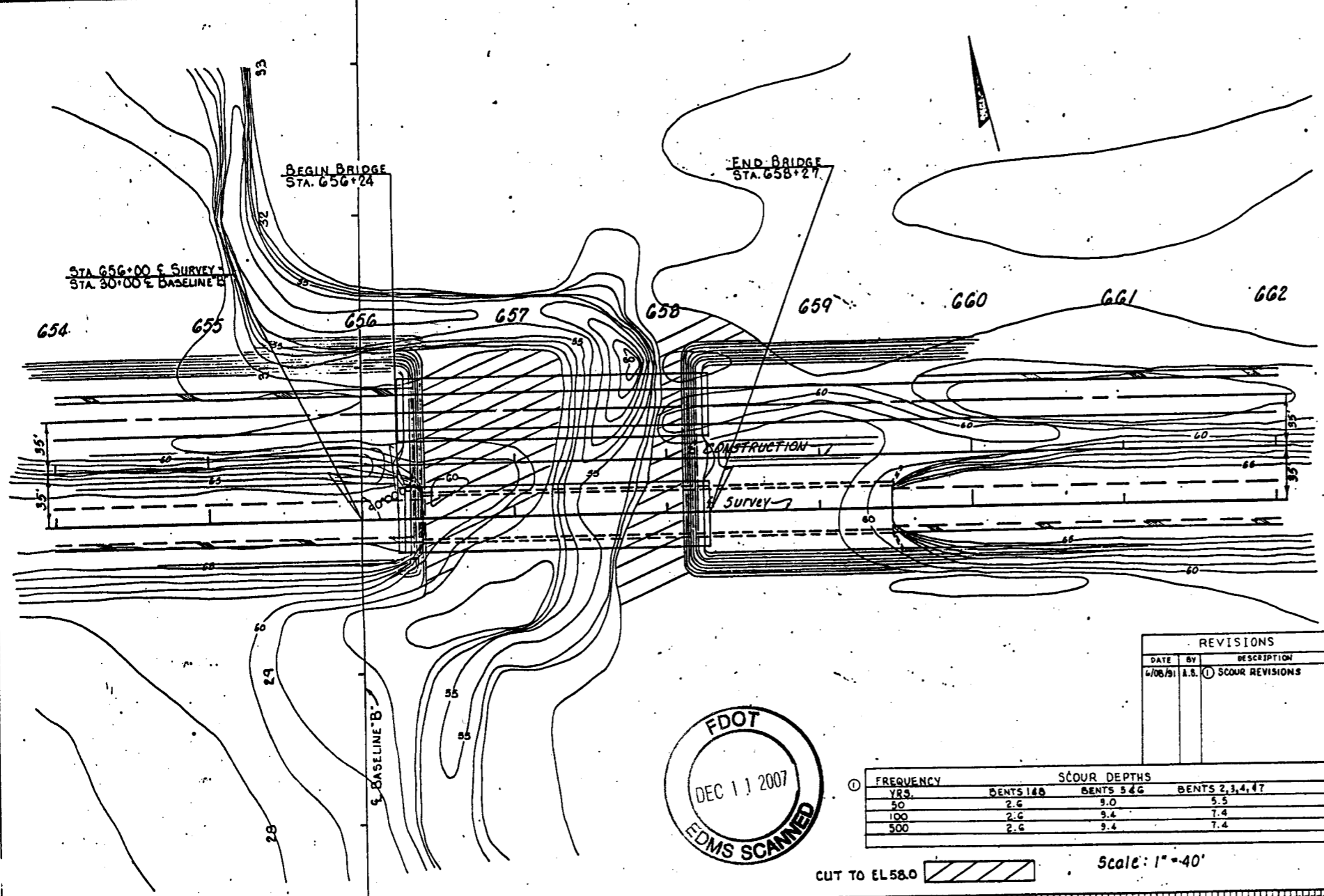
Numbers to the left of borings indicate blows on spoon for 12" penetration. (Unless otherwise noted.)
 Numbers to the right of borings indicate vane shear test in tons per square foot.
 Due to core boring locations and procedures strata may differ with soils profile.
 ∇ = Water table

SPOON

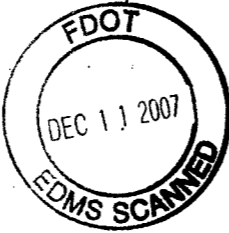
Inside diameter = 1 3/8"
 Outside diameter = 2"
 Weight of hammer = 140 lbs.
 Average drop of hammer = 30"



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION REPORT OF CORE BORINGS FOR STRUCTURES		
S. R. 60 OVER WEOHYAKAPKA CREEK		
PROJ. NO.: 16130-3517	BORING DATE: 1/28 - 2/4/85	
ROAD NO.: S. R. 60	BORINGS BY: HARPER	
COUNTY: POLK	SUBMITTED BY: J. J. BUCKLEY, SOILS & FOUND. ENGINEER	
APPROVED BY 	DRAWING NO.	INDEX NO.

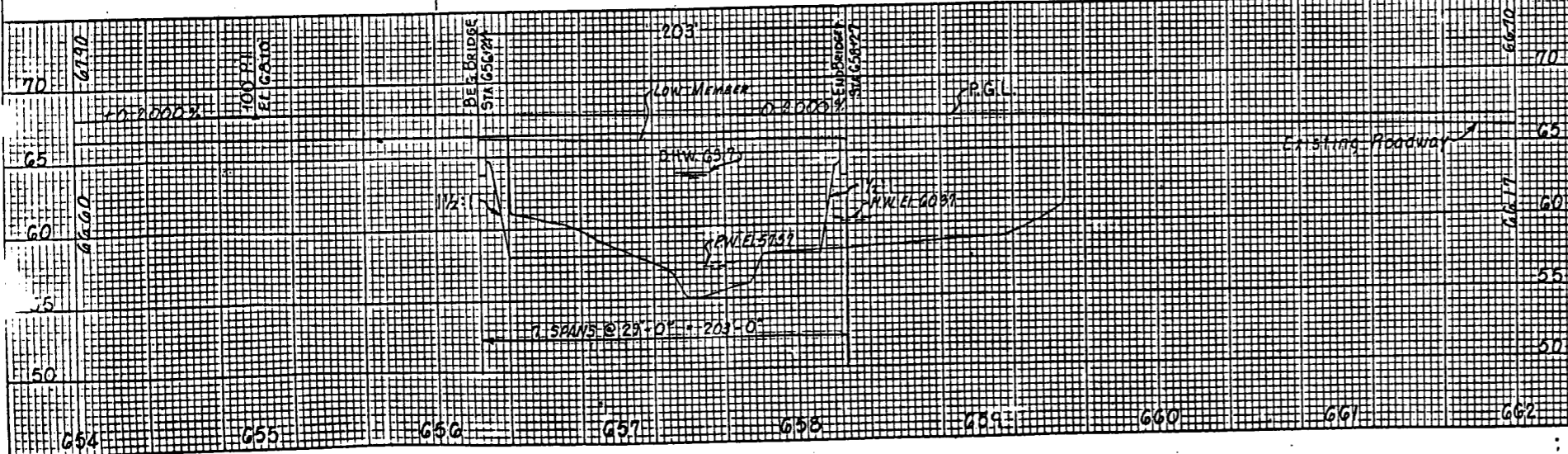


REVISIONS		
DATE	BY	DESCRIPTION
4/08/91	A.S.	SCOUR REVISIONS



FREQUENCY	SCOUR DEPTHS		
	BENTS 1&2	BENTS 3&4	BENTS 2,3,4,4T
50	2.6	9.0	5.5
100	2.6	9.4	7.4
500	2.6	9.4	7.4

CUT TO EL 58.0 Scale: 1" = 40'



(REFERENCE)	(1)	(2)	(3)	(4)	(5)
FOUNDATION	conc Bents				
OVERALL LENGTH	508'				
SPAN LENGTH					
TYPE CONSTRUCTION	Concrete				
AREA OF OPENING @ H.W.					
ROADWAY WIDTH	28'				
ELEV. LOW MEMBER	64.5'				

DESIGN DATA BRIDGE NO. 1G0048 (EXIST.) 1G0217 } NEW
1G0218 }

STRUCTURE RECOMMENDATIONS
 1. LOADING _____
 2. BRIDGE ROADWAY WIDTH _____
 3. SIDEWALKS _____
 4. CENTERLINE GRADE _____

DRAINAGE RECOMMENDATIONS
 BEGIN BRIDGE STATION 656+24 END BRIDGE STATION 658+27 SKEW ANGLE 0°
 CHANNEL SECTION: E STATION BOTTOM WIDTH VARIES ELEV. VARIES SIDE SLOPE VARIES
 LIMITS OF CHANNEL EXCAVATION RT. SEE PLAN & PROFILE LT. SEE PLAN & PROFILE
 CLEARANCE: NAVIGATION: HORIZ. 27.5' DRIFT: HORIZ. 27.5'
 VERT. 8.0' ABOVE EL. 58.0' VERT. 2.3' ABOVE EL. 63.7'

DRAINAGE AREA 9.68 Sq. Miles NORMAL HIGH WATER EL. 66.0 (NON TIDAL) MHW MLW

FLOOD DATA:	MAX. EVENT OF RECORD	DESIGN FLOOD	BASE FLOOD	OVERTOPPING FLOOD	GREATEST FLOOD
STAGE ELEV. NGVD (FT.)	63.4'	63.7'	63.8'	64.0'	64.0'
DISCHARGE (CFS)	UNK.	1510	1575	1700	1700
AVERAGE VELOCITY (FPS)	UNK.	5	5	5	5
EXCEEDANCE PROB. (%)	UNK.	2.0%	1.0%	0.2%	0.2%
FREQUENCY (YR.)	UNK.	50 YR.	100 YR.	500 YR.	500 YR.

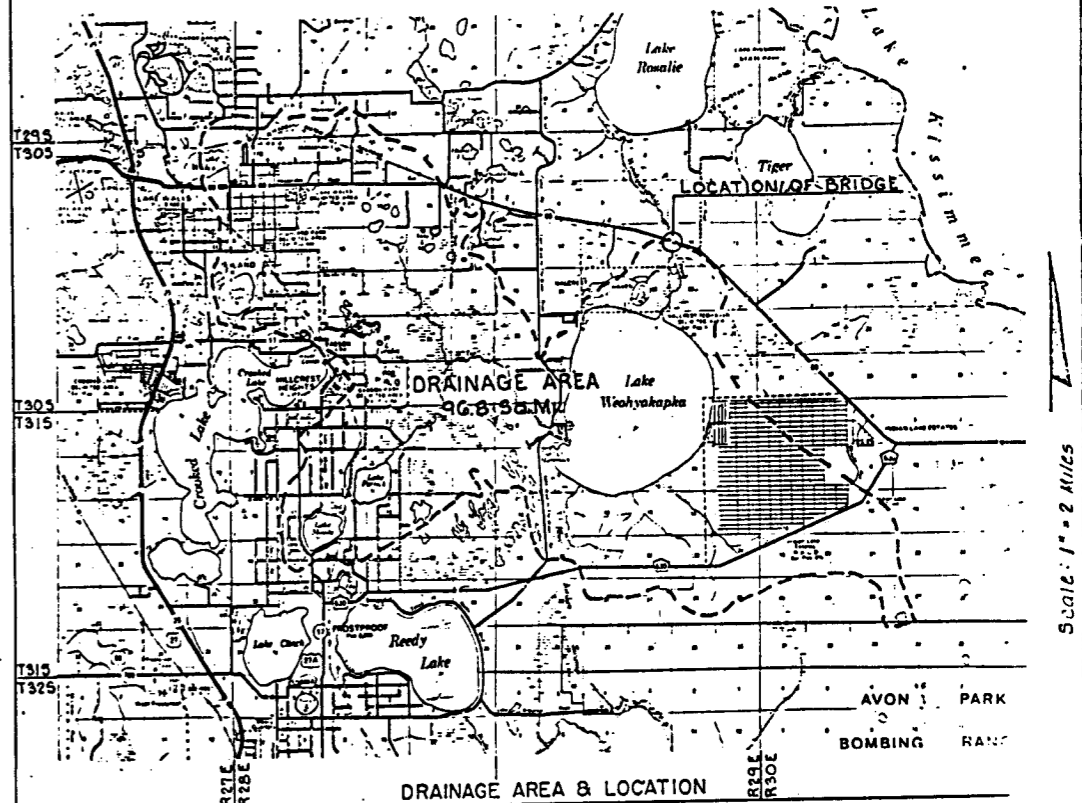
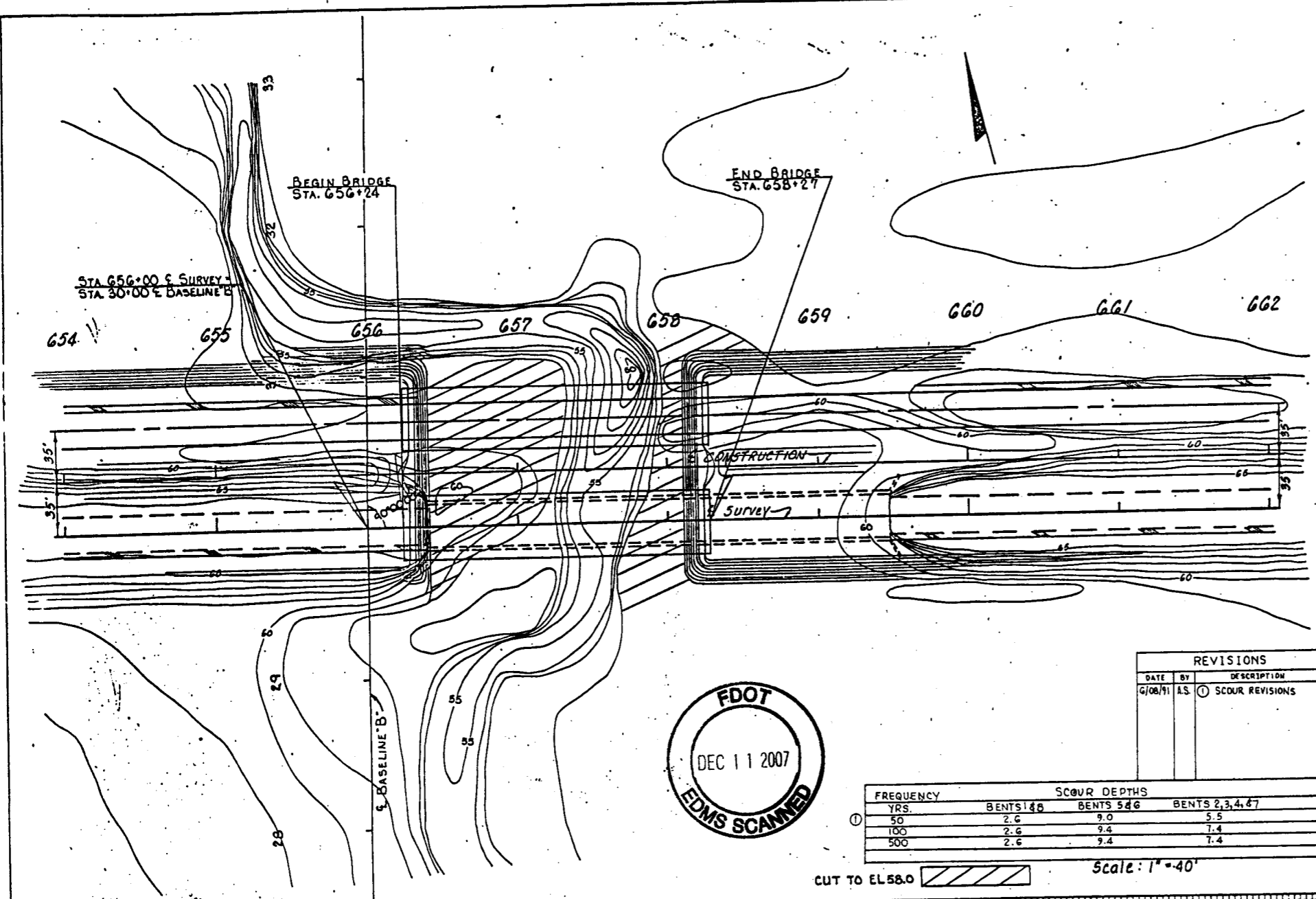
NOTE: The hydraulic data is shown for informational purposes only, to indicate the flood discharges and water surface elevations which may be anticipated in any given year. This data was generated using highly variable factors determined by a study of the watershed. Many judgements and assumptions are required to establish these factors. The resultant hydraulic data is sensitive to changes, particularly antecedent conditions, urbanization, channelization and land use. Users of this data are cautioned against the assumption of precision which can not be attained.

DEFINITIONS
 Design Flood: The flood selected by the F.D.O.T. to be utilized to assure a standard level of hydraulic performance.
 Base Flood: The flood having a 1% chance of being exceeded in any year. (100 Year Frequency)
 Overtopping Flood: The flood where flow occurs over the highway, over a watershed divide or thru emergency relief structures
 Greatest Flood: The most severe flood which can be predicted where overtopping is not practicable, normally one with a 0.2% chance of being exceeded in any year. (500 Year Frequency)

SCOUR RECOMMENDATION: ABUTMENT SLOPES ARE TO BE PROTECTED USING GRADE 1-D RUBBLE RIP-RAP EXTENDING 65' OUT FROM THE TOE OF SLOPE. LIMITS OF RUBBLE RIP-RAP FOR THE WEST ABUTMENT SHOULD BEGIN AT STA 655+20 (LEFT & RIGHT)

REMARKS: * OBSERVED SEPT 30, 1960 (USGS WATER RESOURCES DATA - FLORIDA VOL. 2A)
 ** DETERMINED BY INSPECTION OF VOB GITE.

RECOMMENDED BY: DIST. DRAINAGE ENGR. W.D. JR. DATE: 1/15/91
 CONCURRED: ENGINEER OF DRAINAGE _____ DATE: _____



REVISIONS		
DATE	BY	DESCRIPTION
6/08/11	A.S.	SCOUR REVISIONS

FREQUENCY	SCOUR DEPTHS		
	BENTS 1 & 2	BENTS 3 & 4	BENTS 2, 3, 4, & 7
50	2.6	9.0	5.5
100	2.6	9.4	7.4
500	2.6	9.4	7.4

CUT TO EL. 58.0 Scale: 1" = 40'

(REFERENCE)	(1)	EXISTING STRUCTURES	(3)	(4)	(5)
FOUNDATION	Conc Bents				
OVERALL LENGTH	308'				
SPAN LENGTH					
TYPE CONSTRUCTION	Concrete				
AREA OF OPENING @ M.W.					
ROADWAY WIDTH	28'				
ELEV. LOW MEMBER	64.5'				

DESIGN DATA		BRIDGE NR. 160048 (EXIST.)	160217 } NEW	160218 } NEW
1. LOADING				
2. BRIDGE ROADWAY WIDTH				
3. SIDEWALKS				
4. CENTERLINE GRADE				
DRAINAGE RECOMMENDATIONS				
BEGIN BRIDGE STATION	656+24	END BRIDGE STATION	658+27	SKW ANGLE 0°
CHANNEL SECTION	VARIES	BOTTOM WIDTH	VARIES	ELEV. VARIES
LIMITS OF CHANNEL EXCAVATION	RT. SEE PLAN & PROFILE	LT. SEE PLAN & PROFILE		SIDE SLOPE VARIES
CLEARANCE	NAVIGATION: HORIZ. 22.5'	DRIFT: HORIZ. 22.5'		
	VERT. 8.0' ABOVE EL. 58.0'	VERT. 2.3' ABOVE EL. 63.1'		
DRAINAGE AREA	96.8 SQ. MILES	NORMAL HIGH WATER EL. 58.0'	(NON TIDAL)	MHW MLW

FLOOD DATA:	MAX. EVENT OF RECORD	DESIGN FLOOD	BASE FLOOD	OVERTOPPING FLOOD	GREATEST FLOOD
STAGE ELEV. NGVD (FT.)	63.4	63.7	63.8	64.0	64.0
DISCHARGE (CFS)	UNK.	1510	1575	1700	1700
AVERAGE VELOCITY (FPS)	UNK.	5	5	5	5
EXCEEDANCE PROB. (%)	UNK.	2.0%	1.0%	0.2%	0.2%
FREQUENCY (YR.)	UNK.	50 YR.	100 YR.	500 YR.	500 YR.

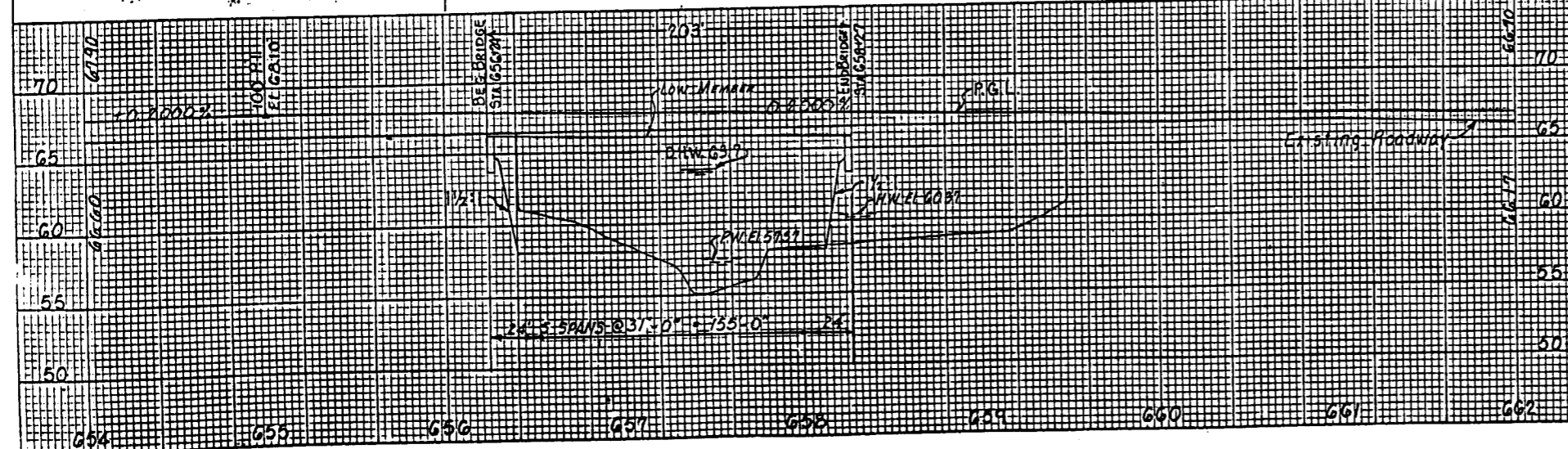
NOTE: The hydraulic data is shown for informational purposes only, to indicate the flood discharges and water surface elevations which may be anticipated in any given year. This data was generated using highly variable factors determined by a study of the watershed. Many judgements and assumptions are required to establish these factors. The resultant hydraulic data is sensitive to changes, particularly antecedent conditions, urbanization, channelization and land use. Users of this data are cautioned against the assumption of precision which can not be attained.

DEFINITIONS
 Design Flood: The flood selected by the F.O.D.T. to be utilized to assure a standard level of hydraulic performance.
 Base Flood: The flood having a 1% chance of being exceeded in any year. (100 Year Frequency)
 Overtopping Flood: The flood where flow occurs over the highway, over a watershed divide or thru emergency relief structures
 Greatest Flood: The most severe flood which can be predicted where overtopping is not practicable, normally one with a 0.2% chance of being exceeded in any year. (500 Year Frequency)

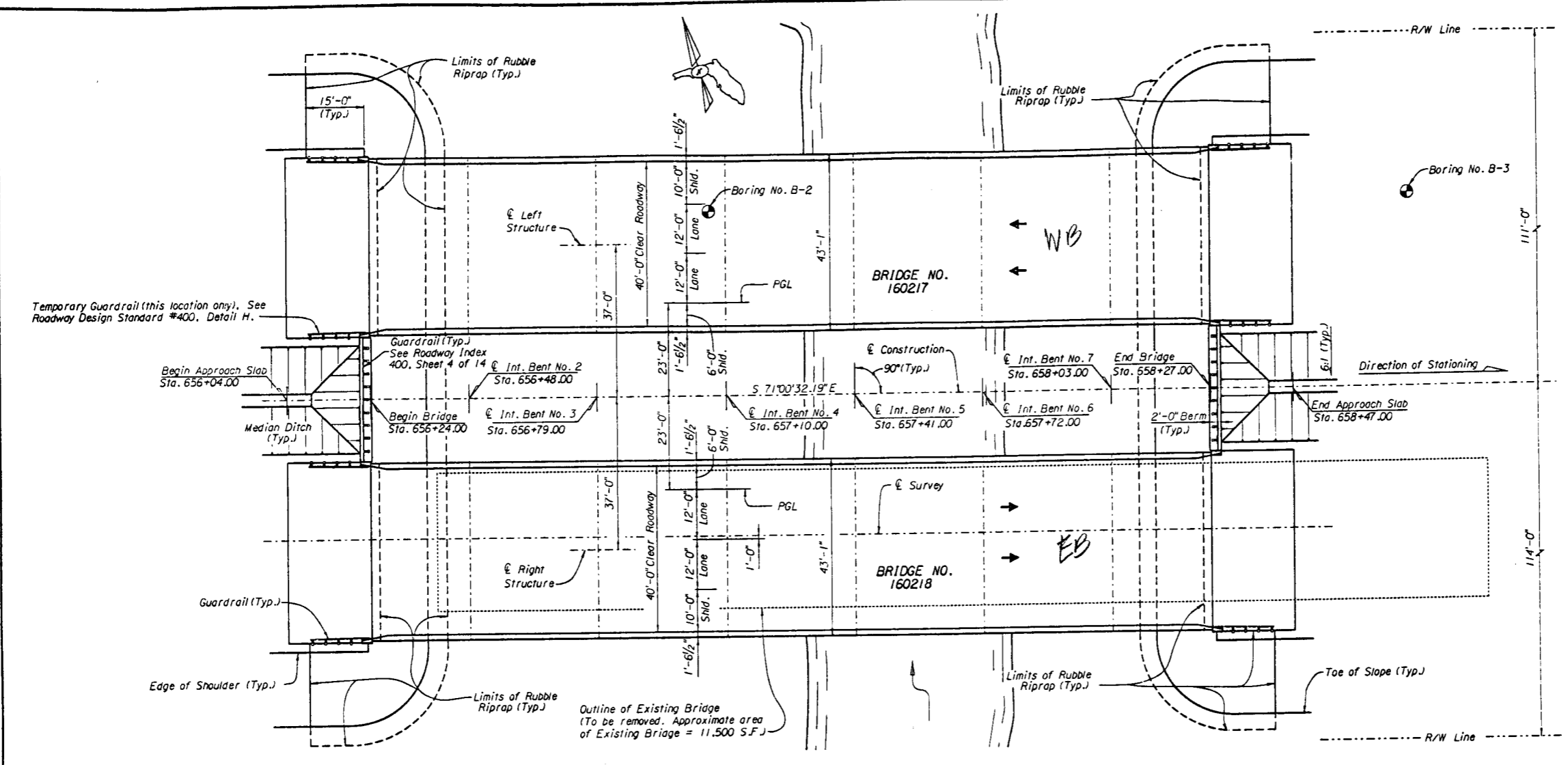
SCOUR RECOMMENDATION: ABUTMENT SLOPES ARE TO BE PROTECTED USING GRADE 1-D RUBBLE RIP-RAP EXTENDING OUT 6.5' OUT FROM THE TOE OF SLOPE. LIMITS OF RUBBLE RIP-RAP FOR THE WEST ABUTMENT SHOULD BEGIN AT STA. 655+20 (LEFT & RIGHT).

REMARKS: * OBSERVED SEPT 30, 1960 (USGS WATER RESOURCES DATA - FLORIDA VOL. 2A)
 ** DETERMINED BY INSPECTION OF JOB SITE.

RECOMMENDED BY: DIST. DRAINAGE ENGR. *[Signature]* DATE: *[Date]*
 CONCUR: ENGINEER OF DRAINAGE DATE: *[Date]*



FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.	F-200-2(22)	91	BX-11

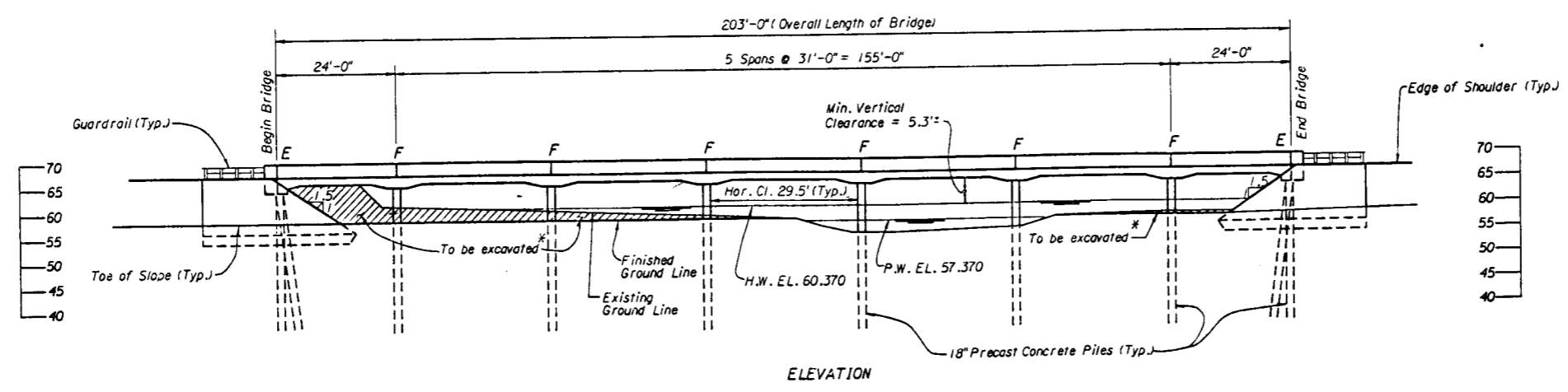


TRAFFIC DATA
 Design Speed = 70 MPH
 EST. 1992 A.D.T. = 9,184
 EST. 1996 A.D.T. = 10,553
 EST. 2000 A.D.T. = 11,921
 EST. 2005 A.D.T. = 13,632
 EST. 2009 A.D.T. = 15,000
 T = 22 %

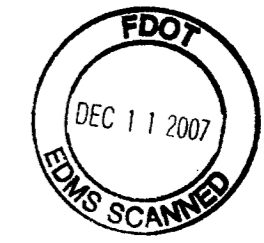
GRADE DATA

* Excavate to elevation 58.0. See Sheet No. G-8 for limits of excavation. Payment is included with Roadway Pay Items.

PLAN



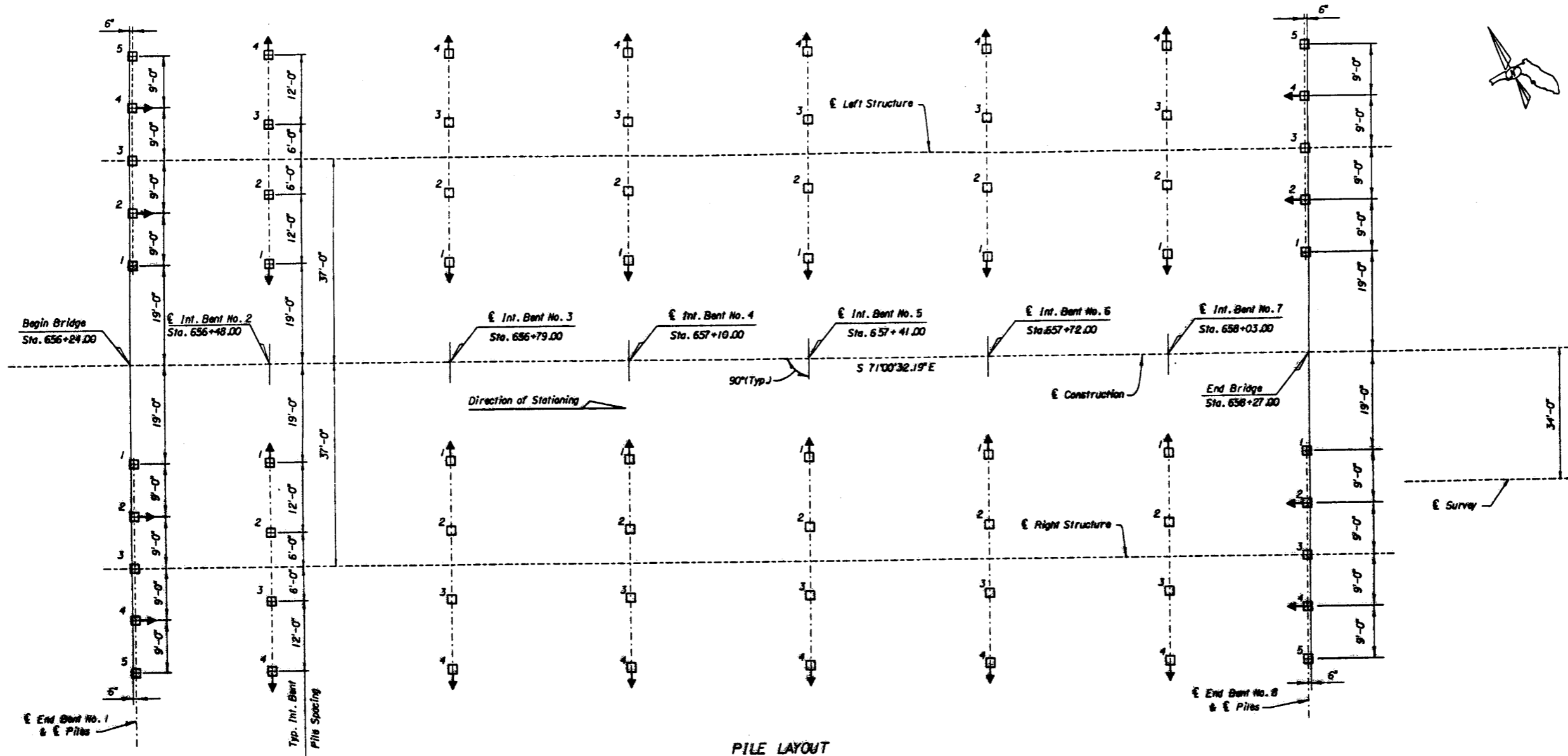
ELEVATION



WPI NO. 1118200

REVISIONS				Drawn by		Checked by		Designed by		Checked by		Approved by		ENGINEER OF RECORD:		LOGO:		SEAL:		ROAD NO.		COUNTY		PROJECT NO.		SHEET TITLE		Drawing No.	
Date	By	Description		JLF	6-88	CEB	7-88	CEB	6-88	JOE	6-88			STRUCTURES DESIGN OFFICE			60	POLK		16130-3517	60	POLK	16130-3517	ALTERNATE AB PLAN AND ELEVATION					
														CENTRAL OFFICE 605 Suwannee Street, MS 33 Tallahassee, Florida 32399-0450								PROJECT NAME: S.R. 60 OVER WEOHYAKAPKA CREEK BRIDGE NOS. 160217 & 160218		INCHES NO.					

FILE NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.		91	BX-12



PILE LAYOUT

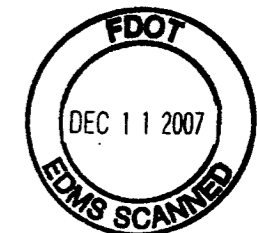
PILE NOTES:

- 1) Batter exterior piles in all intermediate bents 2'/F1. in the direction shown. Batter piles 2 & 4 in end bents 1 1/2'/F1. in the direction shown. All other piles are plumb.
- 2) Pile spacing is measured horizontally at bottom of pile caps.
- 3) All piles are 18" square prestressed concrete.
- 4) Piles shall be driven to the capacities & minimum tip elevations shown in the Pile load note, sheet G-1.
- 5) ↓ denotes direction of pile batter.
- 6) Predrilled Pile Holes shall be drilled through embankments to existing natural ground elevation.

TEST PILE NOTE:

Drive one 43' long Unwooded Test Pile (18" Sq.) in Int. Bent No. 5 (Left Structure) in the position of a permanent plumb pile, as directed by the Engineer.

BENT	PILE CUT-OFF ELEVATION				
	PILE NO. 1	PILE NO. 2	PILE NO. 3	PILE NO. 4	PILE NO. 5
End Bent No. 1	64.390	64.210	64.030	63.850	63.670
Intermediate Bent No. 2	66.804	66.644	66.404	66.164	---
Intermediate Bent No. 3	66.822	66.582	66.342	66.102	---
Intermediate Bent No. 4	66.780	66.520	66.280	66.040	---
Intermediate Bent No. 5	66.698	66.458	66.218	65.978	---
Intermediate Bent No. 6	66.636	66.396	66.156	65.916	---
Intermediate Bent No. 7	66.574	66.334	66.094	65.854	---
End Bent No. 8	63.984	63.804	63.624	63.444	63.264



REVISIONS			
Date	By	Description	

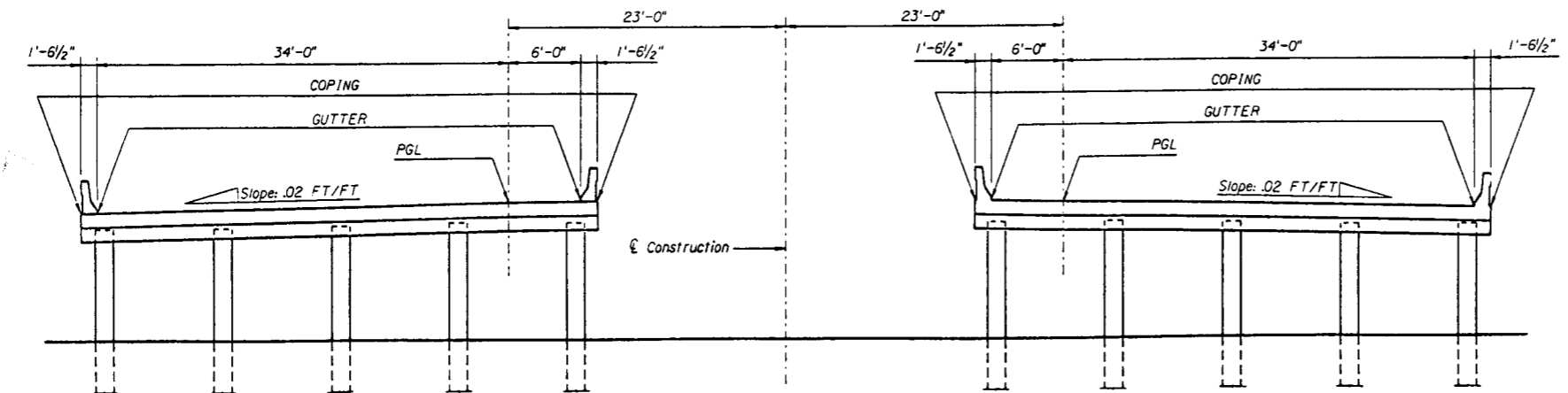
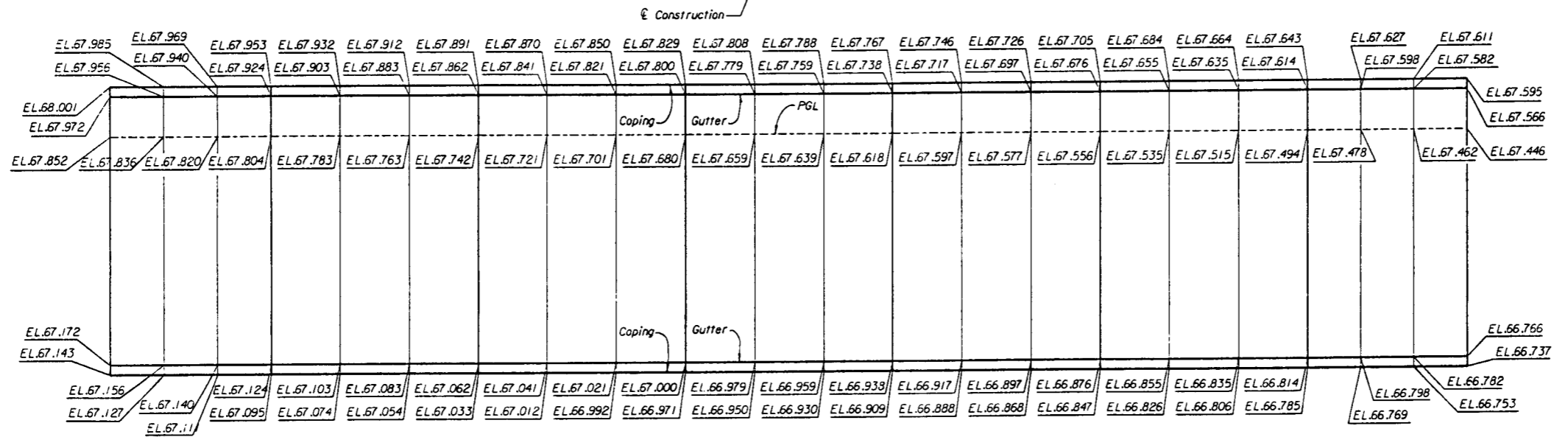
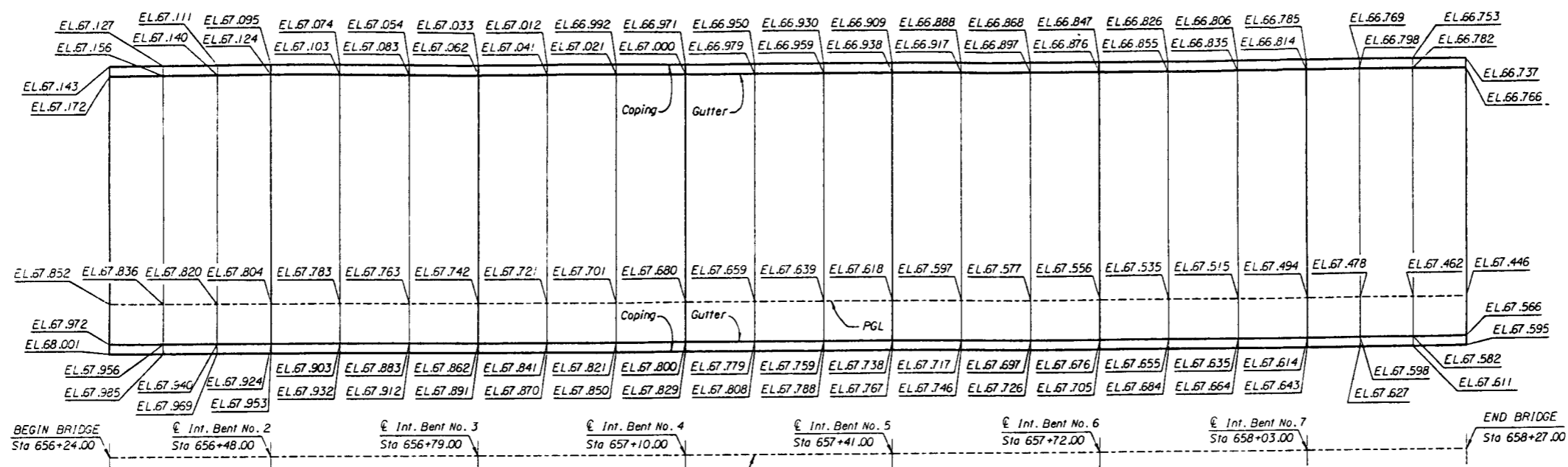
ENGINEER OF RECORD:
STRUCTURES DESIGN OFFICE
 CENTRAL OFFICE
 605 Suwannee Street, MS 33
 Tallahassee, Florida 32399-0430

LOGO:
 SEAL:

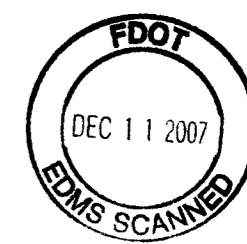
FLORIDA DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN OFFICE

ROAD NO. 60	COUNTY POLK	PROJECT NO. 16130-3517	SHEET TITLE ALTERNATE AB PILE LAYOUT
PROJECT NAME S.R. 60 OVER WEOHYAKAPKA CREEK			Drawing No. Sheet No.

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.
3	FLA.		91 BX-13



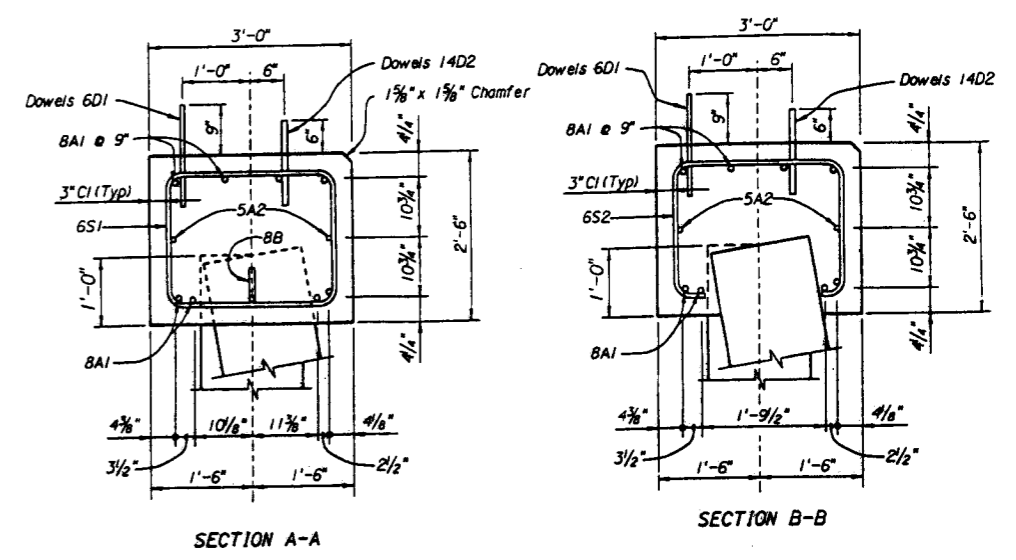
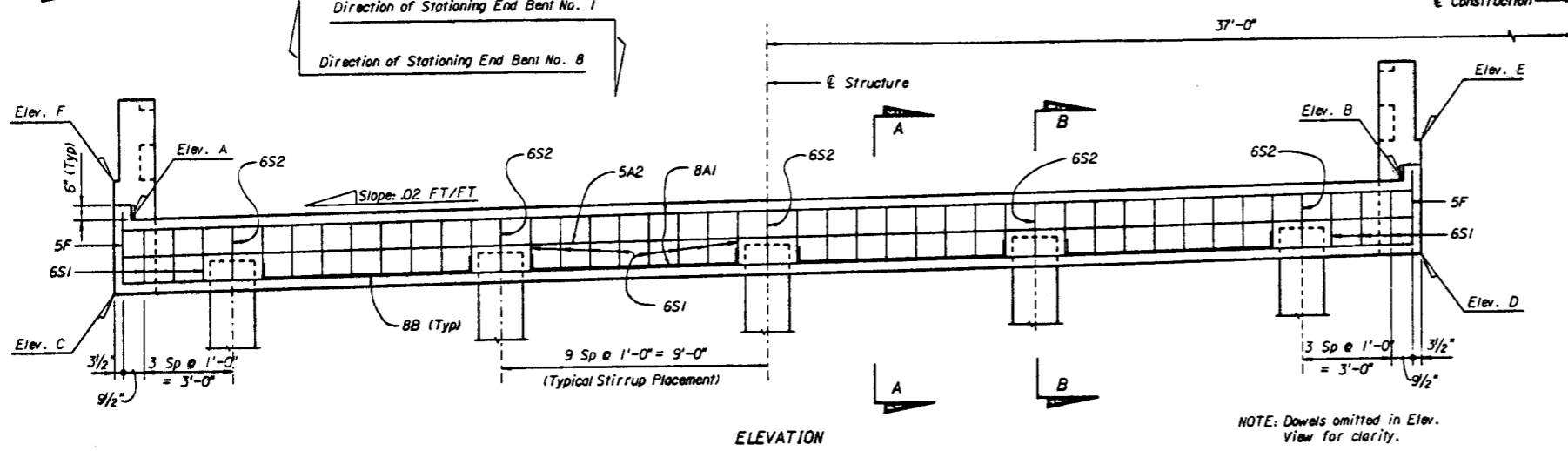
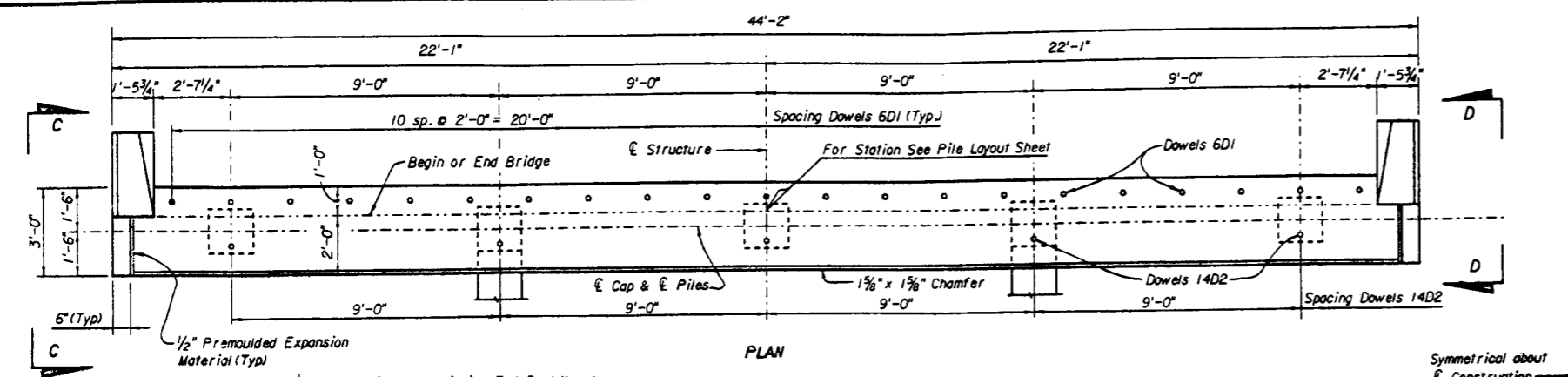
TYPICAL SECTION THRU BRIDGESHOWING LOCATION OF ELEVATIONS



NOTES:
Elevations given are top of slab finish grade elevations.
Elevation intervals are at third points for each span.

REVISIONS Date By Description _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____				Drawn by DJR 6-88 Checked by JOE 6-88 Designed by _____ Checked by _____ Approved by _____		ENGINEER OF RECORD: STRUCTURES DESIGN OFFICE CENTRAL OFFICE 605 Suwannee Street, MS 33 Tallahassee, Florida 32399-0450		LOGO: SEAL: FLORIDA DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN OFFICE		SHEET TITLE: ALTERNATE AB FINISH GRADE ELEVATIONS PROJECT NAME: SR 60 OVER WEOHYAKAPKA CREEK		Drawing No. Index No.	
				ROAD NO. COUNTY PROJECT NO. 60 POLK 16130-3517									

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SCALE	SHEET NO.
3	FLA.		9/	BX-14



NOTE: Where Dowels 14D2 conflict with Bars 6S, shift Bars 6S to clear. Dowels shall be hot dip galvanized in accordance with Standard Specification 962-7 prior to installing.

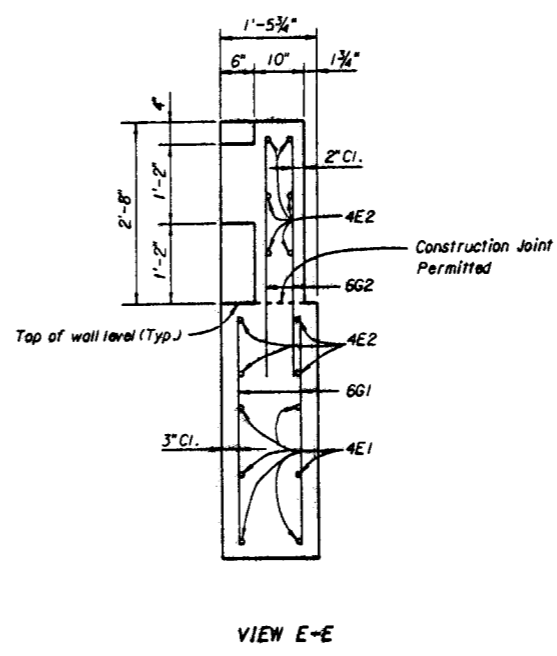
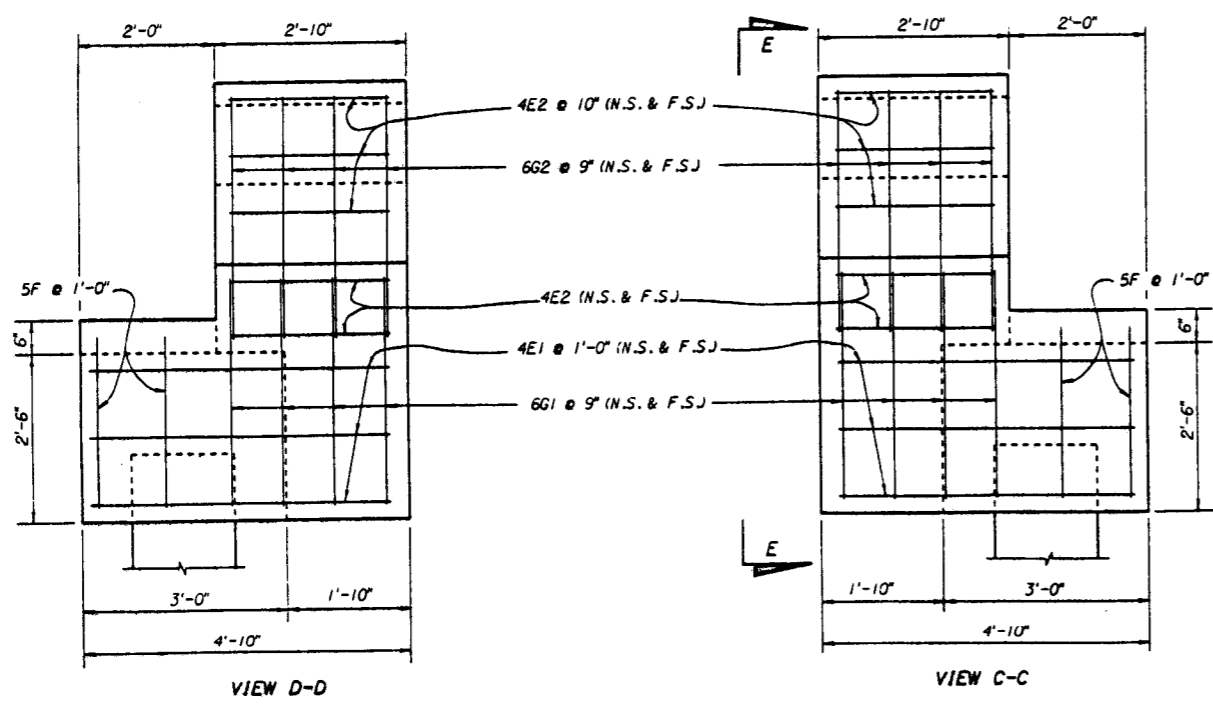
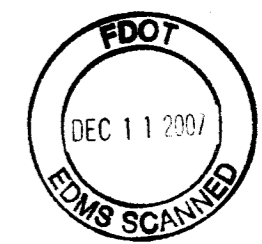
BENT NO.	ELEV. A	ELEV. B	ELEV. C	ELEV. D	ELEV. E	ELEV. F
1	65.098	65.962	62.588	63.472	67.984	67.160
8	64.692	65.556	62.182	63.066	67.578	66.754

NOTE: For pile cutoff elevations, see Sheet B-2.

ITEM	UNIT	QUANTITY
Class II Concrete (Substructure) #	C.Y.	13.70
Reinforcing Steel (Substructure)	LB.	2151
18" Sq. Prestressed Concrete Piles	L.F.	# #

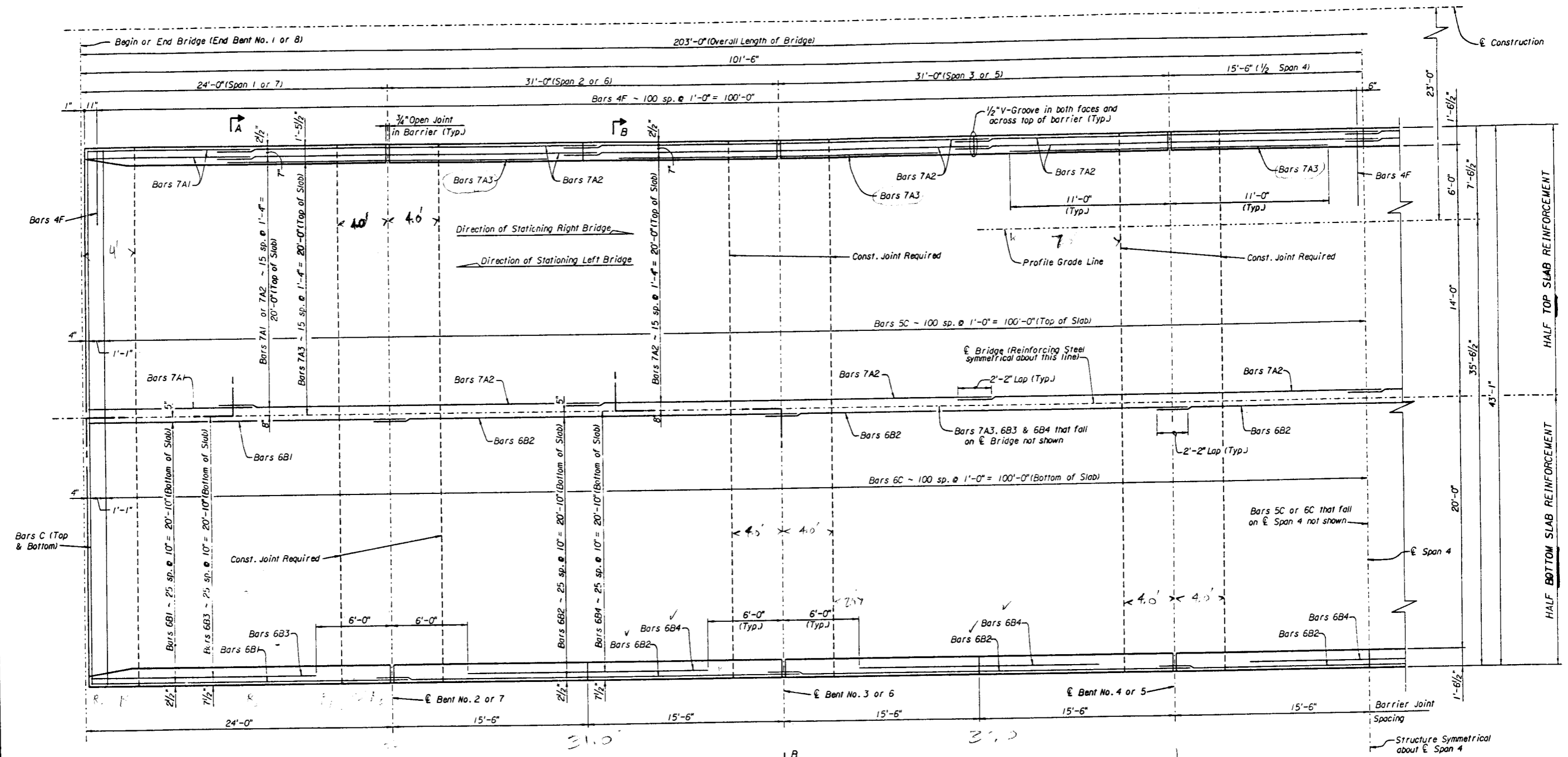
** See Summary of Bridge Pay Items Quantities are for one End Bent only. A total of 4 Bents are required.

CONCRETE BREAKDOWN
 Caps: 11.89 C.Y.
 Walls: 1.14 C.Y.
 Posts: 0.67 C.Y.

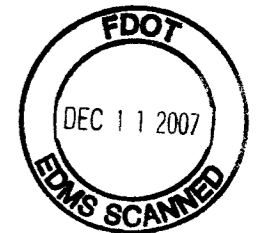


REVISIONS				ENGINEER OF RECORD:		LOGO:		SEAL:		FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET TITLE:		Drawing No.	
Date	By	Description	Date	By	Description	STRUCTURES DESIGN OFFICE		CENTRAL OFFICE		ROAD NO. COUNTY PROJECT NO.		ALTERNATE AB		END BENT NOS. 1 & 8 (LEFT & RIGHT)	
						605 Suwannee Street, MS 33 Tallahassee, Florida 32399-0450		60 POLK 16130-3517		SR 60 OVER WEOHYAKAPKA CREEK					

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.		91	BX-15



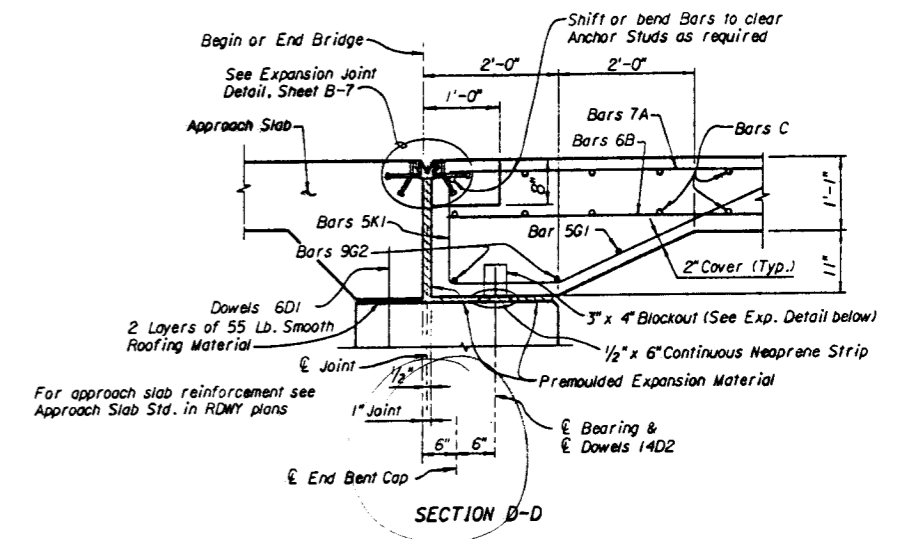
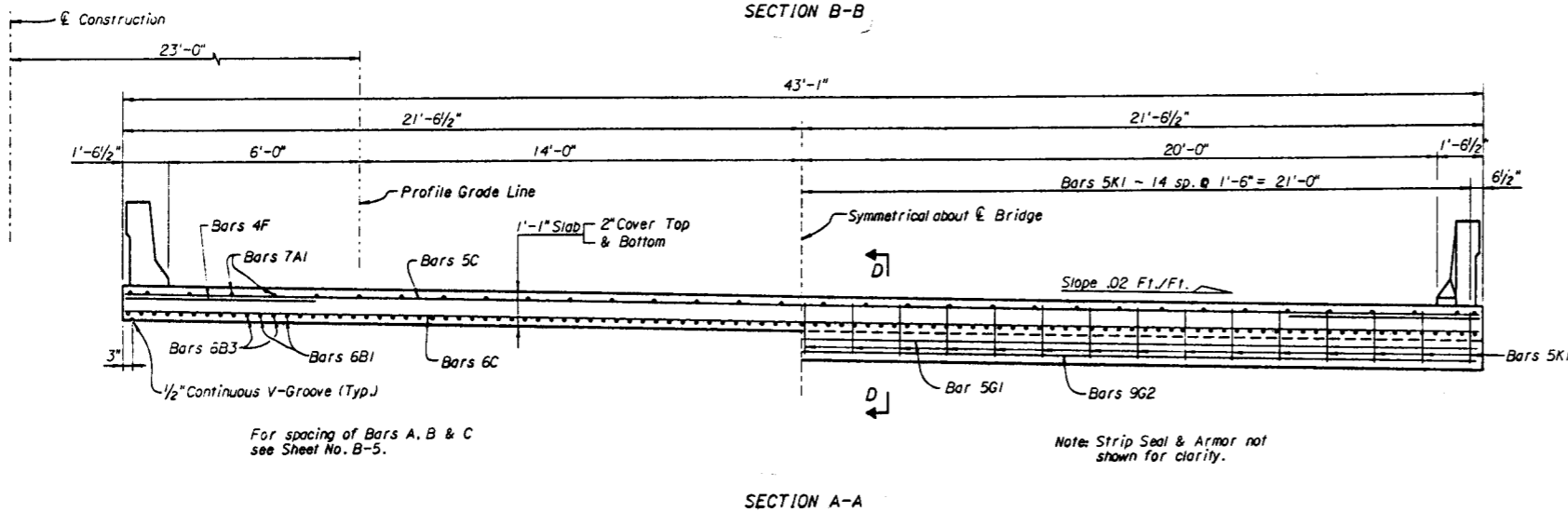
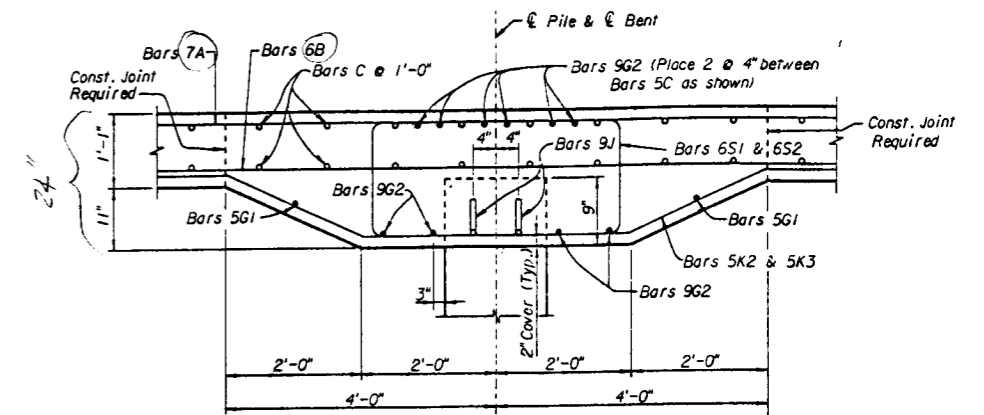
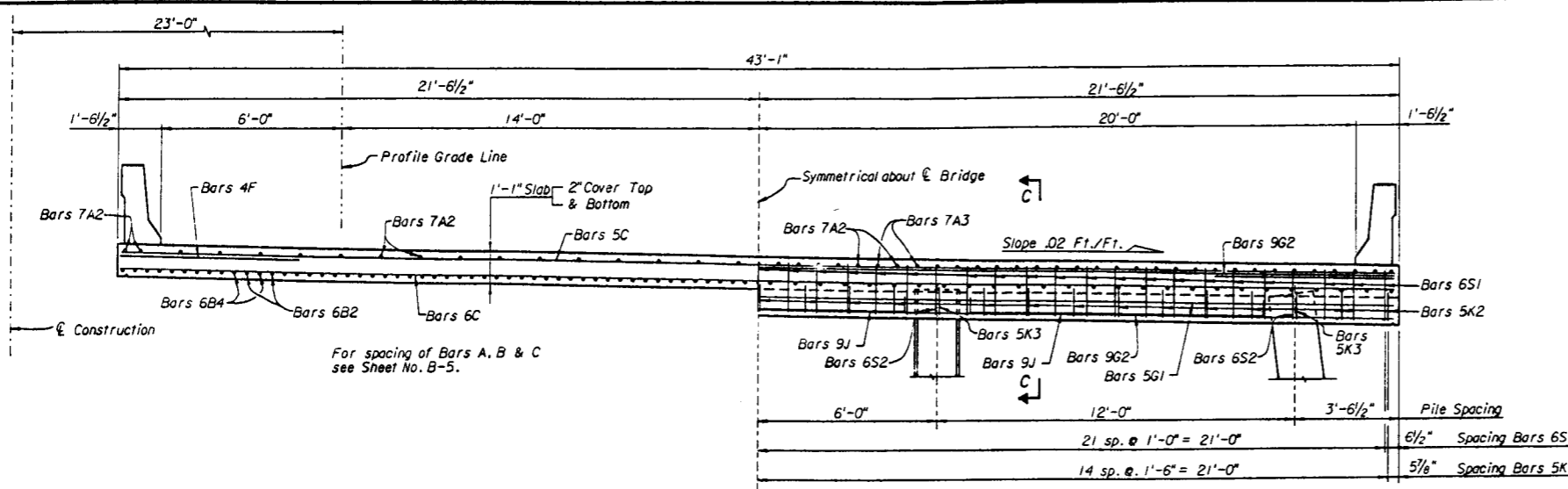
CROSS REFERENCES
 For Section A-A & B-B see Sheet No. B-6.
 For Superstructure Details see Sheet No. B-7.
 For location of Const. Joints see Sheet No's. B-6 & B-7.
 For Estimated Quantities see Sheet No. B-6.



ALTERNATE AB

REVISIONS				Drawn by: JLF 6-88 Checked by: JP 7-88 Designed by: JP 7-88 Checked by: JOE 7-88 Approved by: Joe A. ...		ENGINEER OF RECORD: STRUCTURES DESIGN OFFICE CENTRAL OFFICE 605 Suwannee Street, MS 33 Tallahassee, Florida 32399-0430		LOGO: SEAL:		ROAD NO. 60 COUNTY POLK PROJECT NO. 16130-3517		SHEET TITLE: 7 SPAN CONTINUOUS SUPERSTRUCTURE (SHEET 1 OF 2) PROJECT NAME: SR 60 OVER WEOHYAKAPKA CREEK		Drawing No. Index No.	
------------------	--	--	--	--	--	--	--	----------------	--	--	--	--	--	----------------------------	--

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.		91	BX-16



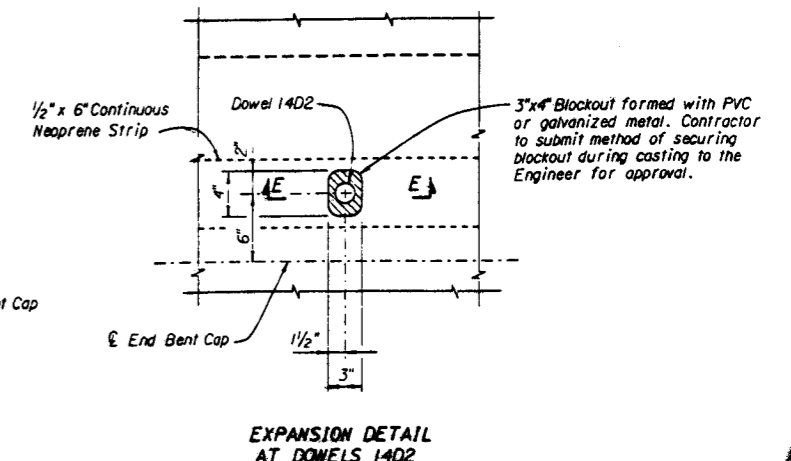
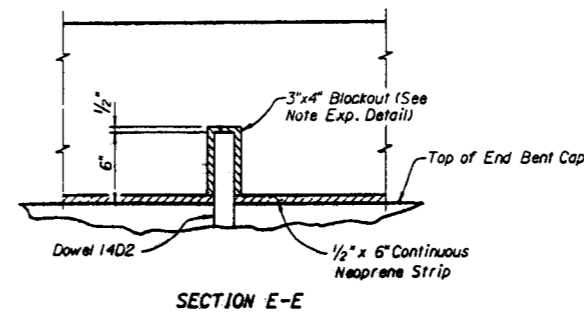
CROSS REFERENCES
 For location of Section A-A & B-B see Sheet No. B-5.
 For Superstructure Details see Sheet No. B-7.

* ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
Class II Concrete (Superstructure)	C.Y.	410.34
Reinforcing Steel (Superstructure)	LB.	92510
Concrete Handrail Barrier	L.F.	**
Expansion Joint Seal (Strip Elast.)	L.F.	84.6

* Estimated Quantities are for one 203'-0" Bridge only.
 A total of two Bridges are required.
 ** See Summary of Estimated Quantities.

CONCRETE BREAKDOWN

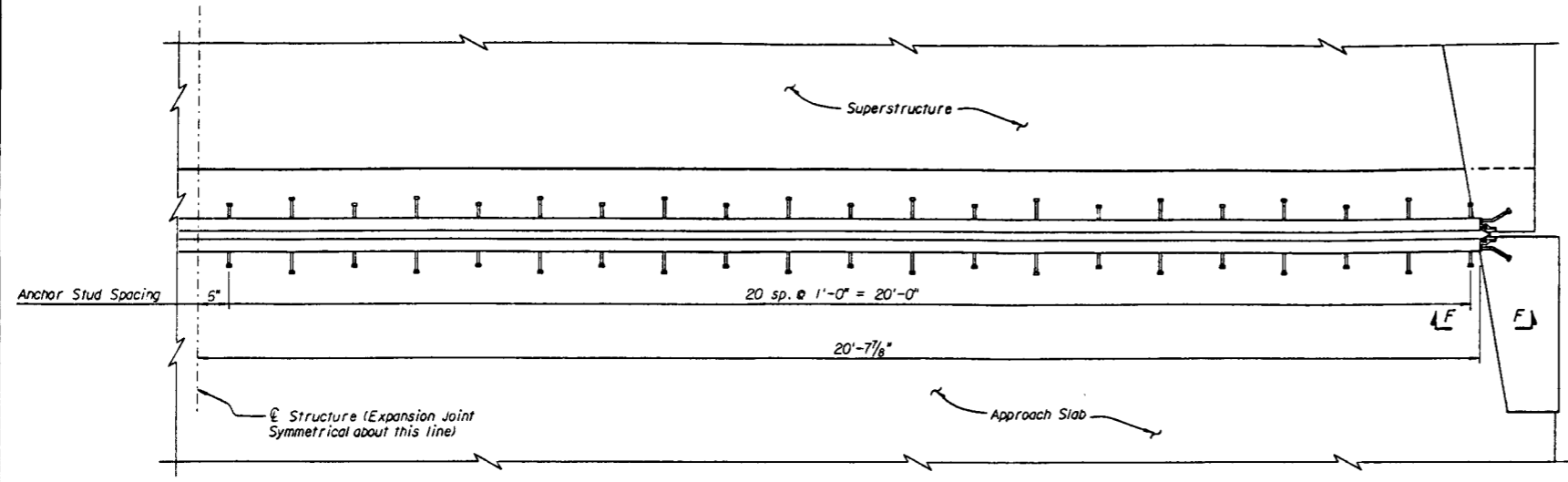
Int. Bent = 22.36 C.Y.
 Slab
 Span 1 or 7 = 38.69 C.Y.
 Span 2 thru 6 = 39.76 C.Y.



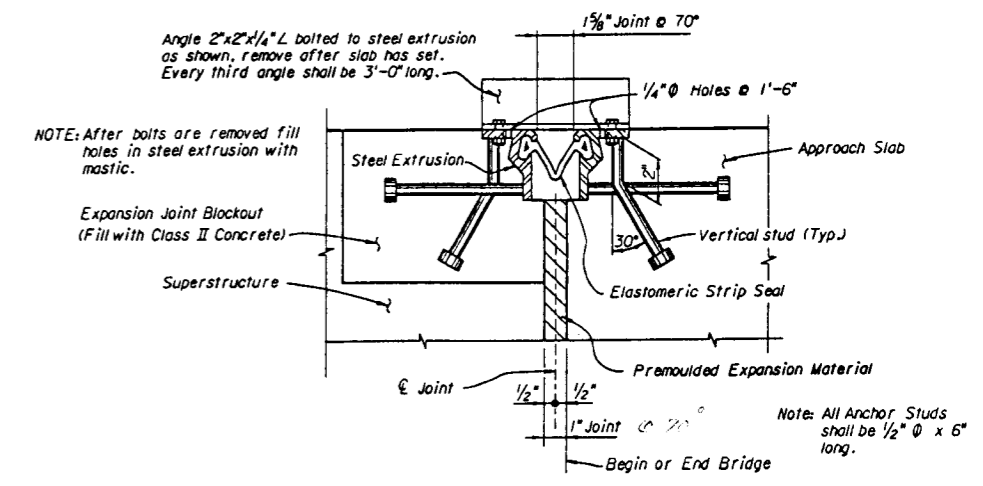
ALTERNATE AB

REVISIONS				ENGINEER OF RECORD:		SEAL:		ROAD NO.		COUNTY		PROJECT NO.		SHEET TITLE:		DRAWING NO.	
Date	By	Description	Date	By	Description	Drawn by	Checked by	Designed by	Checked by	Approved by	Names	Dates	ROAD NO.	COUNTY	PROJECT NO.	PROJECT NAME:	Sheet No.
						JLF	JP	JP	JOE	Joe A. G...	JLF	6-88	60	POLK	16130-3517	7 SPAN CONTINUOUS SUPERSTRUCTURE (SHEET 2 OF 2)	
						JP	JP	JP	JOE			7-88				SR 60 OVER WEOHYAKAPKA CREEK	

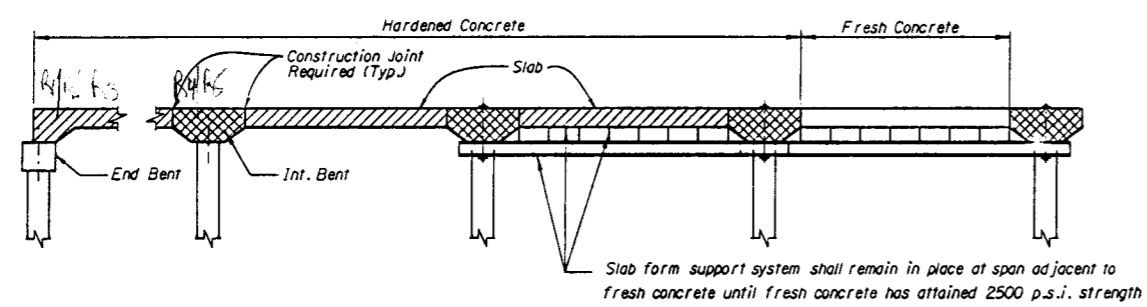
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.		91	BX-17



PLAN VIEW OF JOINT

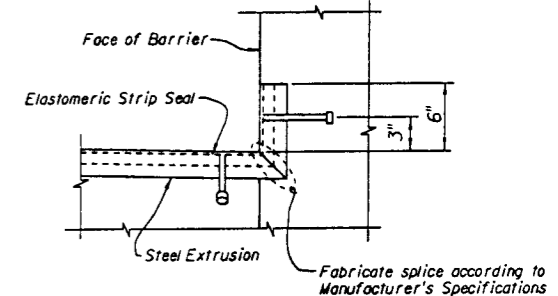


EXPANSION JOINT DETAIL

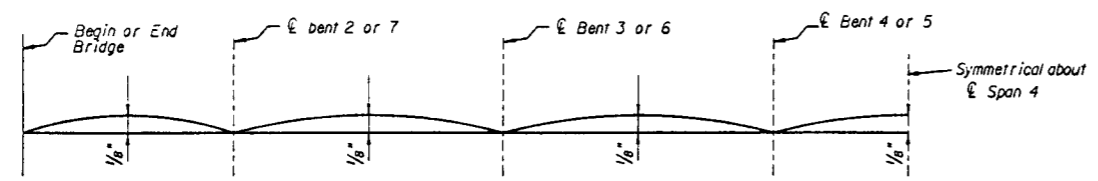


PARTIAL PLAN

- SEQUENCE OF CONSTRUCTION:**
- 1) Cast Int. Bents using friction clamps on the piles to support the loads, cast End Bent on embankment.
 - 2) After the adjacent bents have attained 2500 p.s.i. concrete strength, cast the slab using bolts thru bent to support the loads.
 - 3) Fill holes in bents with an approved epoxy grout after removing bolts and slab forms. Hole form material shall be removed prior to filling holes with grout.
 - 4) Contractor shall submit method of supporting slab form support beam at the End Bents to the Engineer for approval.

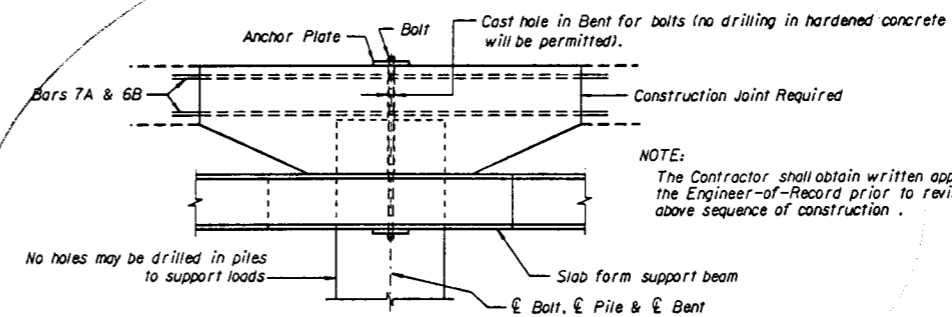


SECTION F-F



DEAD LOAD CAMBER DIAGRAM

Slab form shall be set for Deck Elevation as shown on the Finish Grade Elevation Sheets.
In addition, deck forms shall be adjusted upward by the amount shown to compensate for Dead Load Deflection.

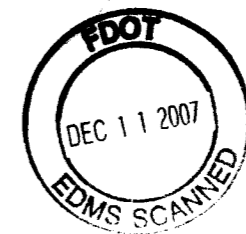


SECTION AT INTERMEDIATE BENTS

NOTE:
The Contractor shall obtain written approval from the Engineer-of-Record prior to revising the above sequence of construction.

EXPANSION JOINT NOTES

For temperatures other than 70°F adjust opening of joint .006 inches per degree of difference between 70°F and the temperature at the time the joint is constructed. For temperatures above 70°F decrease the opening. For temperatures below 70°F increase the opening.
For strip seal adhesive see Special Provisions.
The cost of all labor and materials required for construction of the Expansion Joints in the bridge deck and the approach slab shall be paid for in Bid Item No. 460-7-4 Expansion Joint Seal (Strip Elast.)
After all welding is complete, the entire assembly shall be hot dip galvanized in accordance with Standard Specification 962-7. The steel extrusion shall be protected during screeding.
Structural steel shall conform to ASTM A-36 or A-588. The strip seal assembly shall conform to Watson Bowman Acme WABO Strip Seal Model No. SE-300 with a Type M1 Extrusion or equal, and shall be installed in accordance with the manufacturer's recommendations.



SUPERSTRUCTURE NOTES:

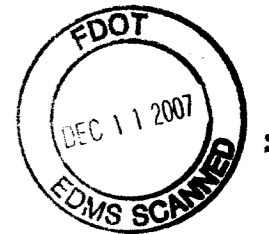
- 1) The Contractor may submit shop drawings to the Engineer for approval showing additional splices in Bars 7A & 6B.
- 2) The weight of the 13" slab concrete shall be completely supported by the slab form support beam.

REVISIONS						Notes		Dates		ENGINEER OF RECORD: STRUCTURES DESIGN OFFICE CENTRAL OFFICE 605 Suwannee Street, MS 33 Tallahassee, Florida 32399-0450	LOGO:	SEAL:	FLORIDA DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN OFFICE	SHEET TITLE:		Drawing No.			
Date	By	Description	Date	By	Description	Drawn by	Checked by	Designed by	Checked by					Approved by	ROAD NO.		COUNTY	PROJECT NO.	PROJECT NAME:
						JLF	CEB	JLF	JOE					JLF & CEB	60		POLK	16130-3517	ALTERNATE AB SUPERSTRUCTURE DETAILS
																			S.R. 60 OVER WEOHYAKAPKA CREEK

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.		91	BX-18

M A R K		LENGTH		NO	TYP	STY	B		C		D		E		F		H		J		K		N	O	
SIZE	DES	FT	IN	BAR	BAR	A	G	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	NO	ANG	
LOCATION END BENTS 1 AND 8															NO. REQUIRED - 4										
8	A1	43	-	8	1			43	-	8															
5	A2	43	-	8	2	1		43	-	8															
8	B	8	-	9	4	11		6	-	9	1	-	0	1	-	0									
6	D1	1	-	6	21	1		1	-	6															
14	D2	1	-	3	5	1		1	-	3															
4	E1	4	-	4	12	1		4	-	4															
4	E2	2	-	4	20	1		2	-	4															
5	F	2	-	6	4	1		2	-	6															
6	G1	4	-	0	16	1		4	-	0															
6	G2	3	-	6	16	1		3	-	6															
6	S1	11	-	0	38	4	4	4	2	-	6														
6	S2	7	-	2	5	5		2	-	0	2	-	6	4		4									
LOCATION 7 SPAN CONTINUOUS SUPERSTRUCTURE															NO. REQUIRED - 2										
7	A1	9	-	4	68	1		9	-	4															
7	A2	33	-	2	204	1		33	-	2															
7	A3	22	-	0	186	1		22	-	0															
6	B1	24	-	10	104	1		24	-	10															
6	B2	33	-	2	260	1		33	-	2															
6	B3	17	-	9	102	1		17	-	9															
6	B4	19	-	0	255	1		19	-	0															
5	C	42	-	9	203	1		42	-	9															
6	C	42	-	9	203	1		42	-	9															
4	F	6	-	0	404	1		6	-	0															
5	G1	42	-	9	14	1		42	-	9															
9	G2	42	-	9	64	1		42	-	9															
9	J	10	-	8	36	11		9	-	8	6		6												
5	K1	6	-	10	58	35		1	-	7	1	-	7	3	-	5	1	-	4						
5	K2	11	-	8	150	43		2	-	2	3	-	11	11											
5	K3	4	-	10	24	28		1	-	6	1	-	0	2	-	2	11								
6	S1	13	-	0	234	4	4	4	1	-	8	3	-	10											
6	S2	9	-	0	24	5		1	-	8	3	-	10	11		11									

END OF LIST



NOTE: ALL STEEL THIS SHEET SHALL BE GRADE 60.

REVISIONS				Notes		Dates		ENGINEER OF RECORD:			LOGO:			SEAL:			FLORIDA DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN OFFICE			SHEET TITLE: ALTERNATE AB REINFORCING BAR LIST		Drawing No.	
Date	By	Description	Date	By	Description	Drawn by	JLF	7-88	STRUCTURES DESIGN OFFICE CENTRAL OFFICE 605 Suwannee Street, MS 33 Tallahassee, Florida 32399-0450									PROJECT NAME: S.R. 60 OVER WEOHYAKAPKA CREEK		Sheet No.			
						Checked by	CEB	7-88															
						Designed by	CEB	7-88															
						Checked by	JLF	7-88															
						Approved by	JLF	7-88															
												ROAD NO. COUNTY PROJECT NO. 60 POLK 16130-3517											