

COMPONENTS OF CONTRACT PLANS SET

- Roadway Plans
- Signing and Pavement Marking Plans
- Signalization Plans
- Landscape Plans

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

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4-8	DRAINAGE MAP
9-10	SUMMARY OF DRAINAGE STRUCTURES
11-28	TYPICAL SECTIONS
29-31	TYPICAL SECTION DETAILS
32	PROJECT LAYOUT
33-42	PROJECT CONTROL
43-52	SURVEY CONTROL MAP
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305-360	TEMPORARY TRAFFIC CONTROL PLANS
U-1-U-20	UTILITY ADJUSTMENTS
S-1-S-33	SIGNING AND PAVEMENT MARKING PLANS
T-1-T-22	SIGNALIZATION PLANS
LD-1-LD-43	LANDSCAPE PLANS

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2023-24 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, Jan 2022 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

BOARD OF COUNTY COMMISSIONERS

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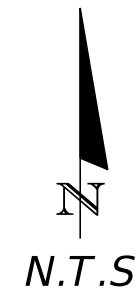
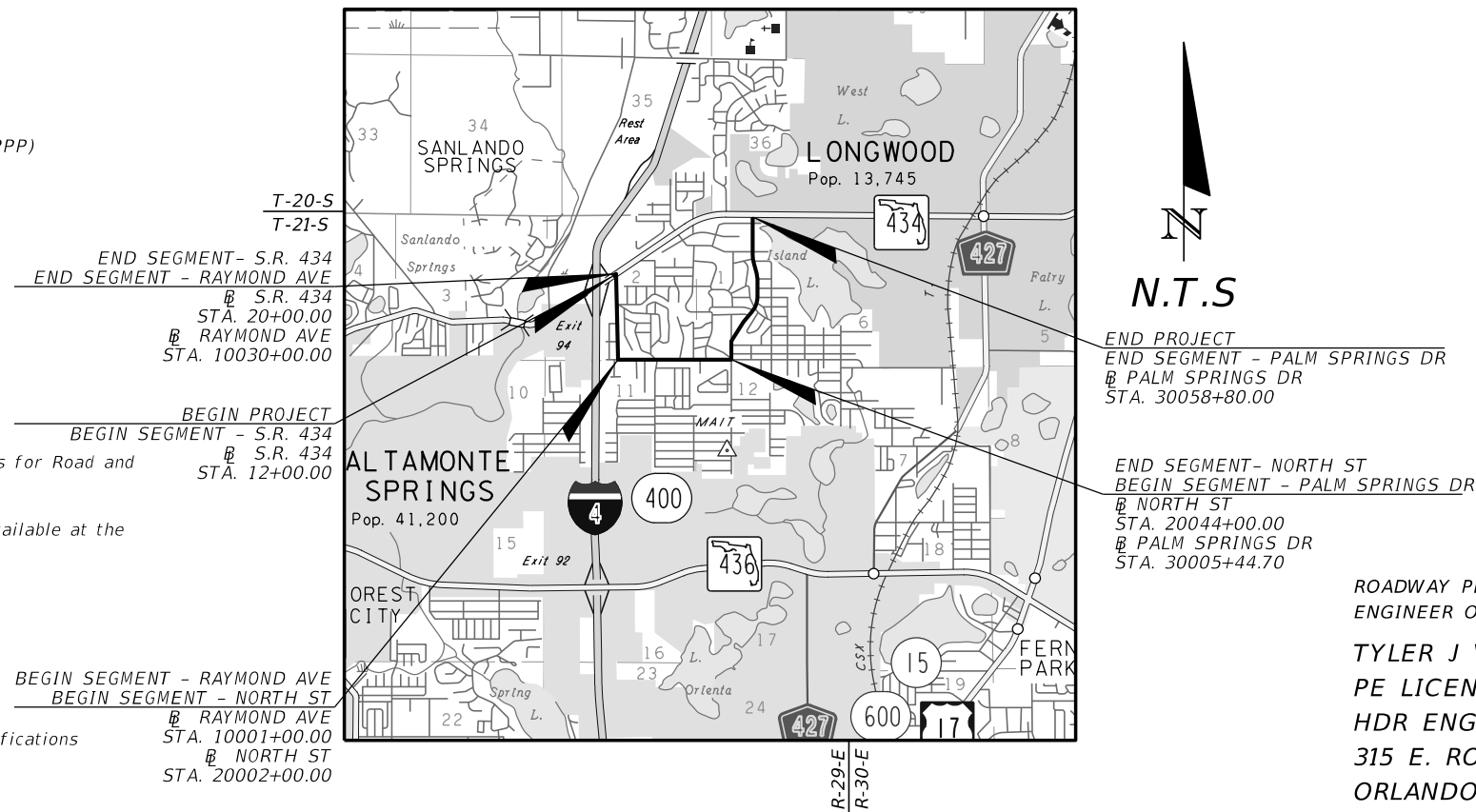
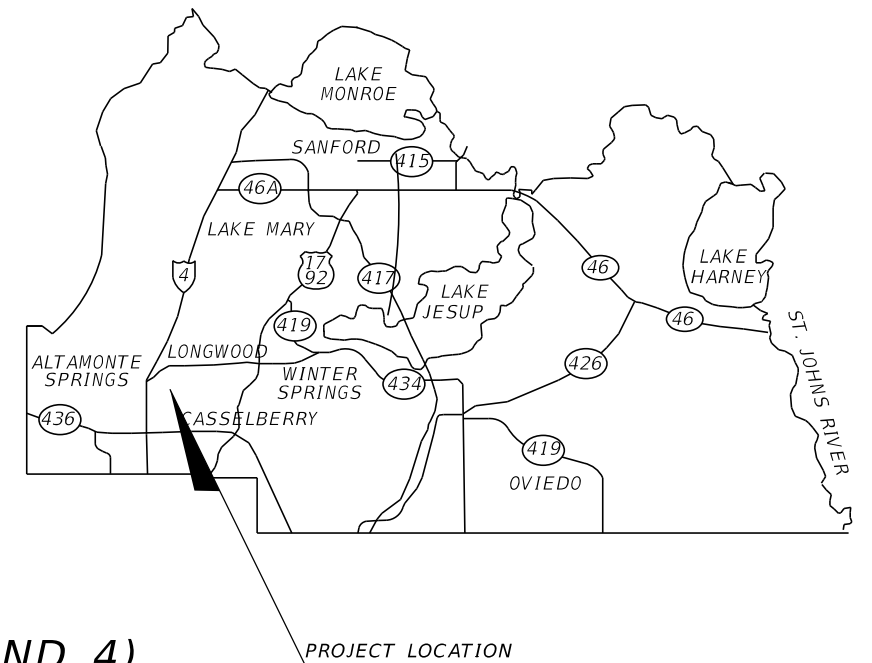
A. BRYANT APPLIGATE, INTERIM COUNTY MANAGER

**SEMINOLE COUNTY
ENGINEERING DIVISION**

CONTRACT PLANS



**ROLLING HILLS AREA ROADWAYS PHASE 1
SEMINOLE COUNTY CIP No. 01907084 (DISTRICT 3 AND 4)**



END PROJECT
END SEGMENT - PALM SPRINGS DR
@ PALM SPRINGS DR
STA. 30058+80.00

END SEGMENT - NORTH ST
BEGIN SEGMENT - PALM SPRINGS DR
@ NORTH ST
STA. 20044+00.00
@ PALM SPRINGS DR
STA. 30005+44.70

ROADWAY PLANS
ENGINEER OF RECORD:
TYLER J VALILA, PE
PE LICENSE NO. 90792
HDR ENGINEERING, INC.
315 E. ROBINSON STREET, SUITE 400
ORLANDO, FL 32801

COUNTY PROJECT MANAGER:
SAM MOUSSA, PE
PUBLIC WORKS DEPARTMENT
100 EAST 1st STREET
SANFORD, FL 32771

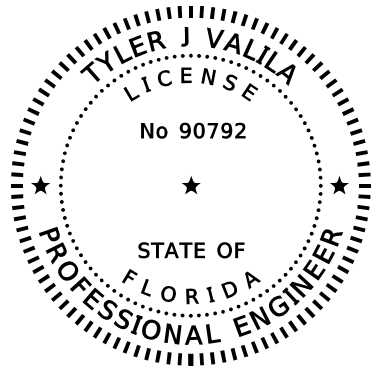
PROJECT LENGTH IS BASED ON \varnothing OF CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	13170	2.49
BRIDGES		
NET LENGTH OF PROJECT	13170	2.49
EXCEPTIONS		
GROSS LENGTH OF PROJECT	13170	2.49

PUBLIC WORKS DIRECTOR: JEAN JREIJ, P.E.

FISCAL YEAR	SHEET NO.
23-24	1

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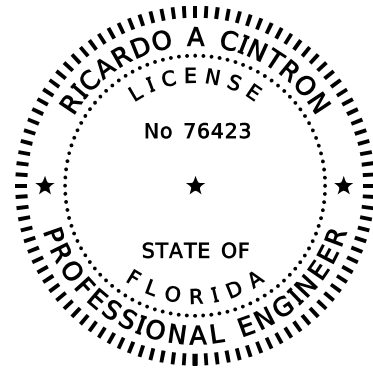
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ORLANDO, FLORIDA 32801

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

SHEET No.	DESCRIPTION	SHEET No.	DESCRIPTION
1	KEY SHEET	305-360	TEMPORARY TRAFFIC CONTROL PLANS
11-28	TYPICAL SECTIONS		
28-31	TYPICAL SECTION DETAILS		
32	PROJECT LAYOUT		
33-42	PROJECT CONTROL		
53-54	GENERAL NOTES		
55-82	ROADWAY PLAN-PROFILE SHEETS		
83-98	INTERSECTION DETAIL SHEETS		
99-101	SPECIAL DETAILS		
155-285	CROSS SECTIONS		
289-304	SUMMARY OF QUANTITIES		



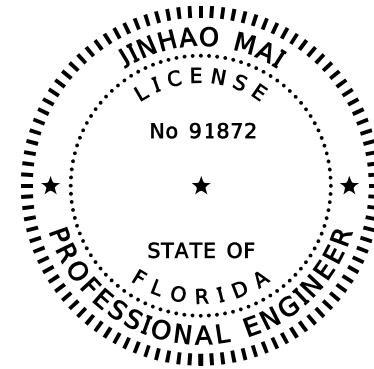
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SHEET No.	DESCRIPTION
4-8	DRAINAGE MAP
9-10	SUM. OF DRAINAGE STRUCT.
102-130	DRAINAGE STRUCTURES
131-153	POND SHEETS & POND CROSS SECTIONS
286-288	STORMWATER POLL. PREV. PLAN (SWPPP)



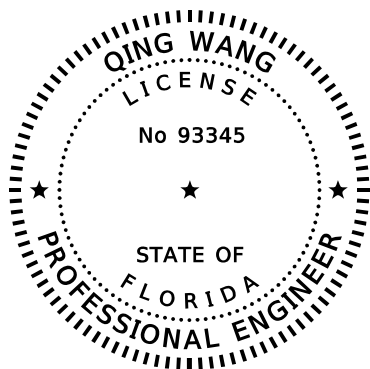
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SHEET No.	DESCRIPTION
S-1-S-33	SIGNING AND PAVEMENT MARKING PLANS
T-1-T-17	SIGNALIZATION PLANS
T-19-T-21	SIGNALIZATION PLANS



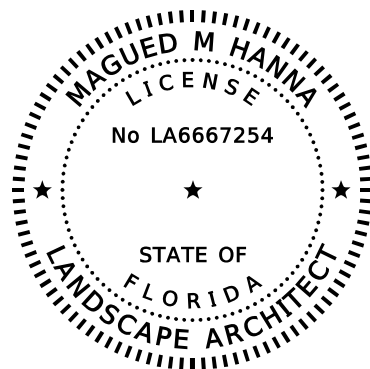
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HDR ENGINEERING, INC.
4830 W. KENNEDY BLVD. SUITE 400
TAMPA, FL 33609-2548

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SHEET No.	DESCRIPTION
T-18	SIGNALIZATION PLANS



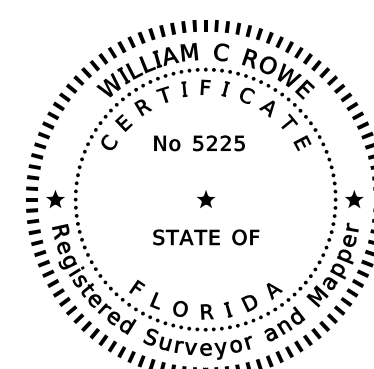
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LD-1-LD-43	LANDSCAPE PLANS



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SOUTHEASTERN SURVEYING AND MAPPING CORPORATION
6500 ALL AMERICAN BOULEVARD
ORLANDO, FLORIDA 32810

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

SHEET No.	DESCRIPTION
43-52	SURVEY CONTROL MAP

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

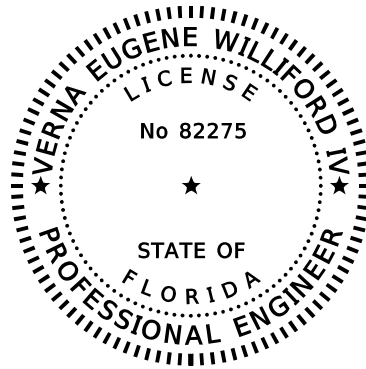


315 E. ROBINSON ST.
SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242

SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

SIGNATURE SHEET

SHEET NO.
2



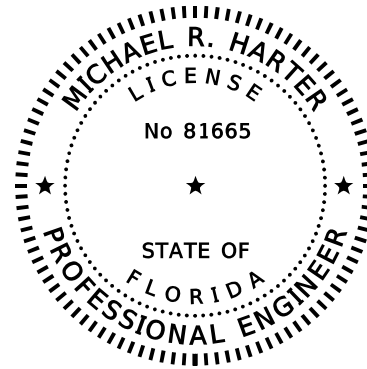
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GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
919 LAKE BALDWIN LANE
ORLANDO, FLORIDA 32814

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SHEET No.	DESCRIPTION
154	SOIL SURVEY
T-22	SOIL BORINGS



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2600 MAITLAND CENTER PKWY,
SUITE 180
MAITLAND, FLORIDA 32751

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SHEET No.	DESCRIPTION
U-1-U-21	UTILITY ADJUSTMENTS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

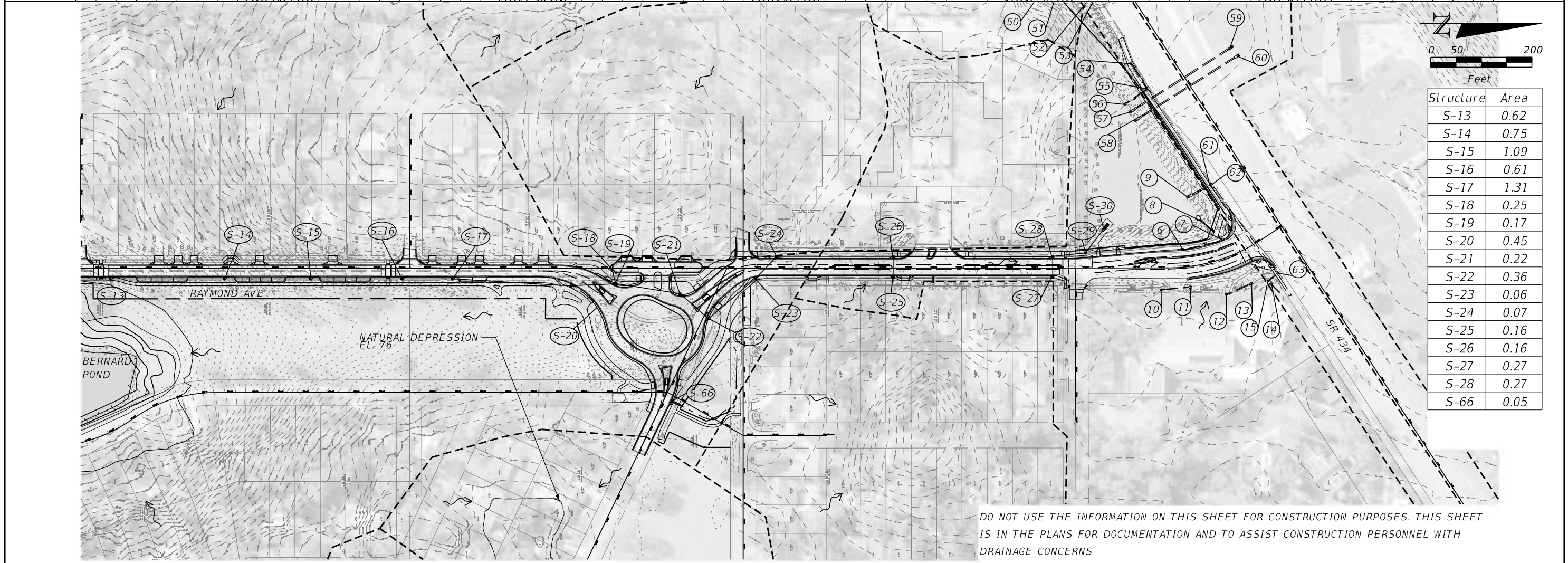
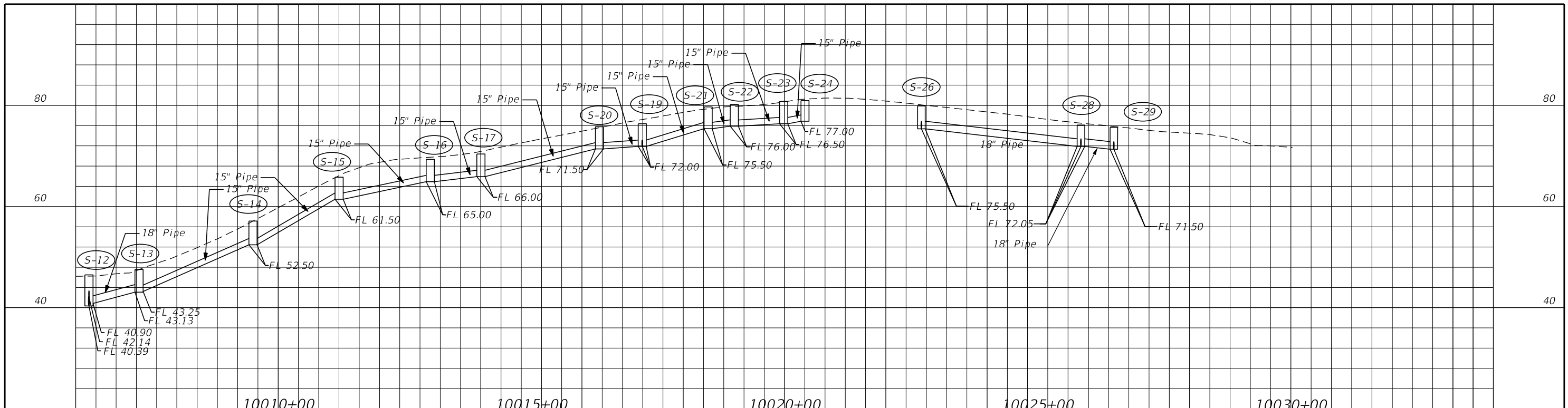


315 E. ROBINSON ST.
SUITE 400
ORLANDO, FL 32801
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SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

SIGNATURE SHEET

SHEET NO.
3

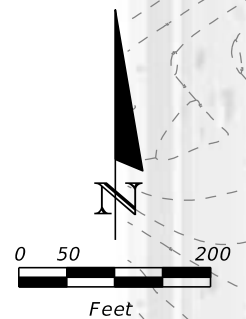
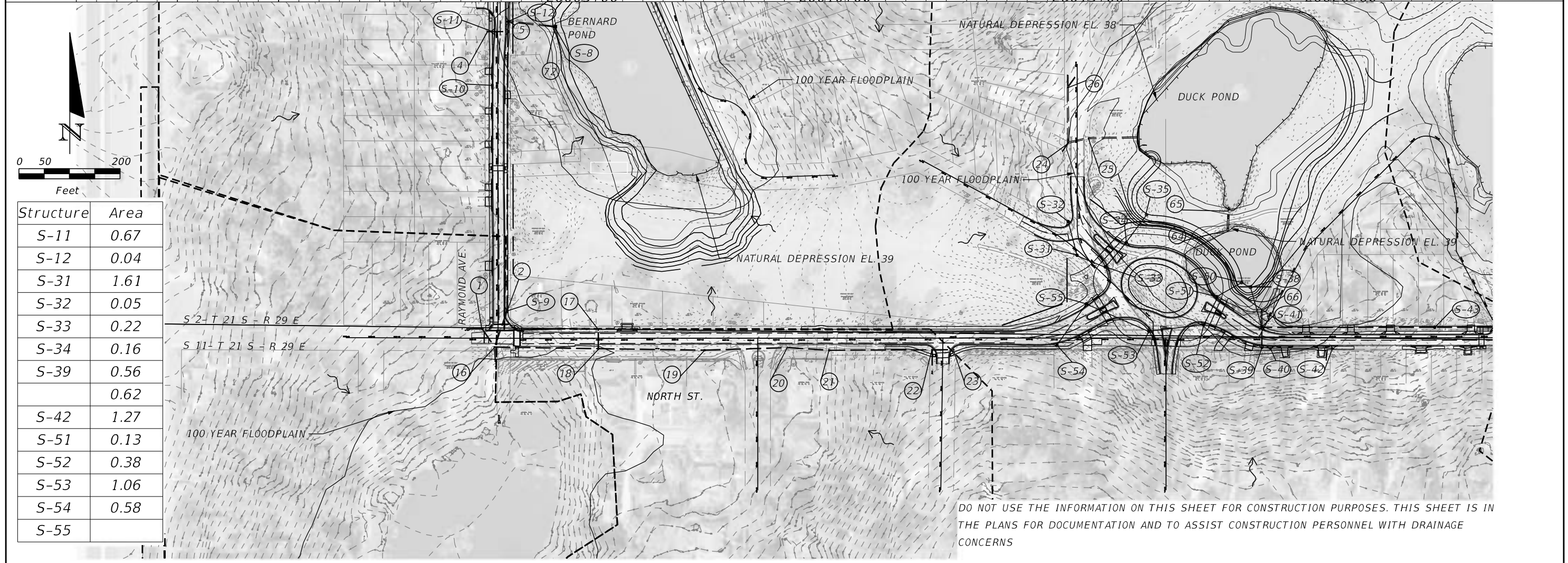
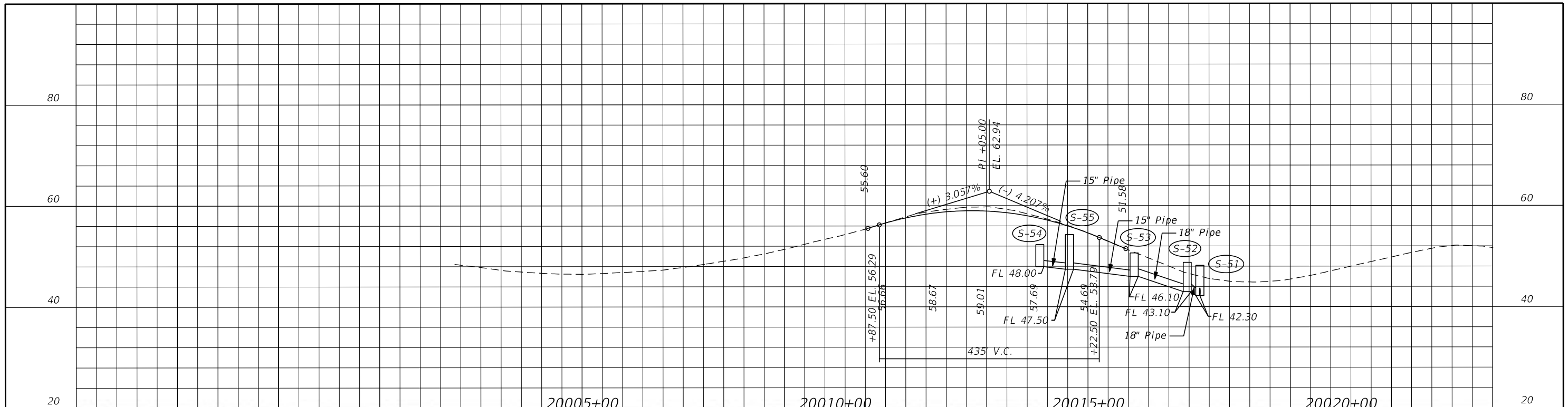


Structure	Area
S-13	0.62
S-14	0.75
S-15	1.09
S-16	0.61
S-17	1.31
S-18	0.25
S-19	0.17
S-20	0.45
S-21	0.22
S-22	0.36
S-23	0.06
S-24	0.07
S-25	0.16
S-26	0.16
S-27	0.27
S-28	0.27
S-66	0.05

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REVISIONS DATE DESCRIPTION DATE DESCRIPTION		RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	DRAINAGE MAP	SHEET NO. 4
			ROAD COUNTY CIP No. RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084		

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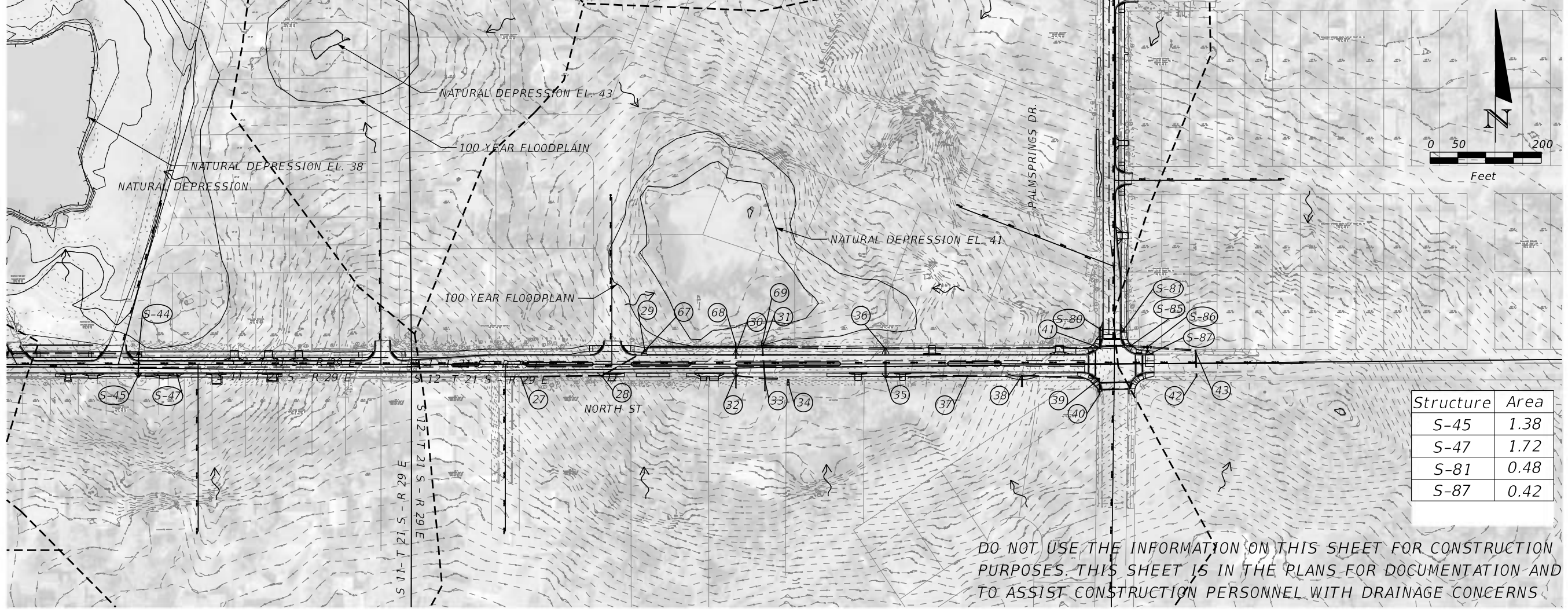
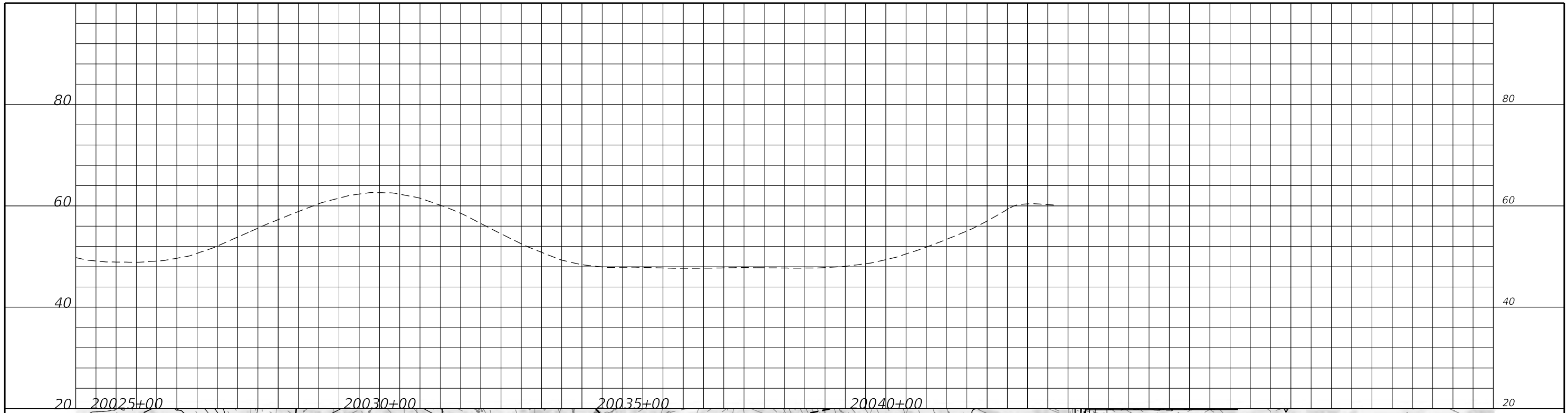


Structure	Area
S-11	0.67
S-12	0.04
S-31	1.61
S-32	0.05
S-33	0.22
S-34	0.16
S-39	0.56
	0.62
S-42	1.27
S-51	0.13
S-52	0.38
S-53	1.06
S-54	0.58
S-55	

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REVISIONS DATE DESCRIPTION DATE DESCRIPTION		RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1 ROAD COUNTY CIP No. RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084	DRAINAGE MAP	SHEET NO. 5

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Structure	Area
S-45	1.38
S-47	1.72
S-81	0.48
S-87	0.42

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 ORLANDO, FL 32801
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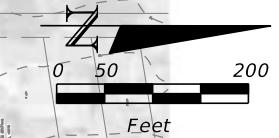
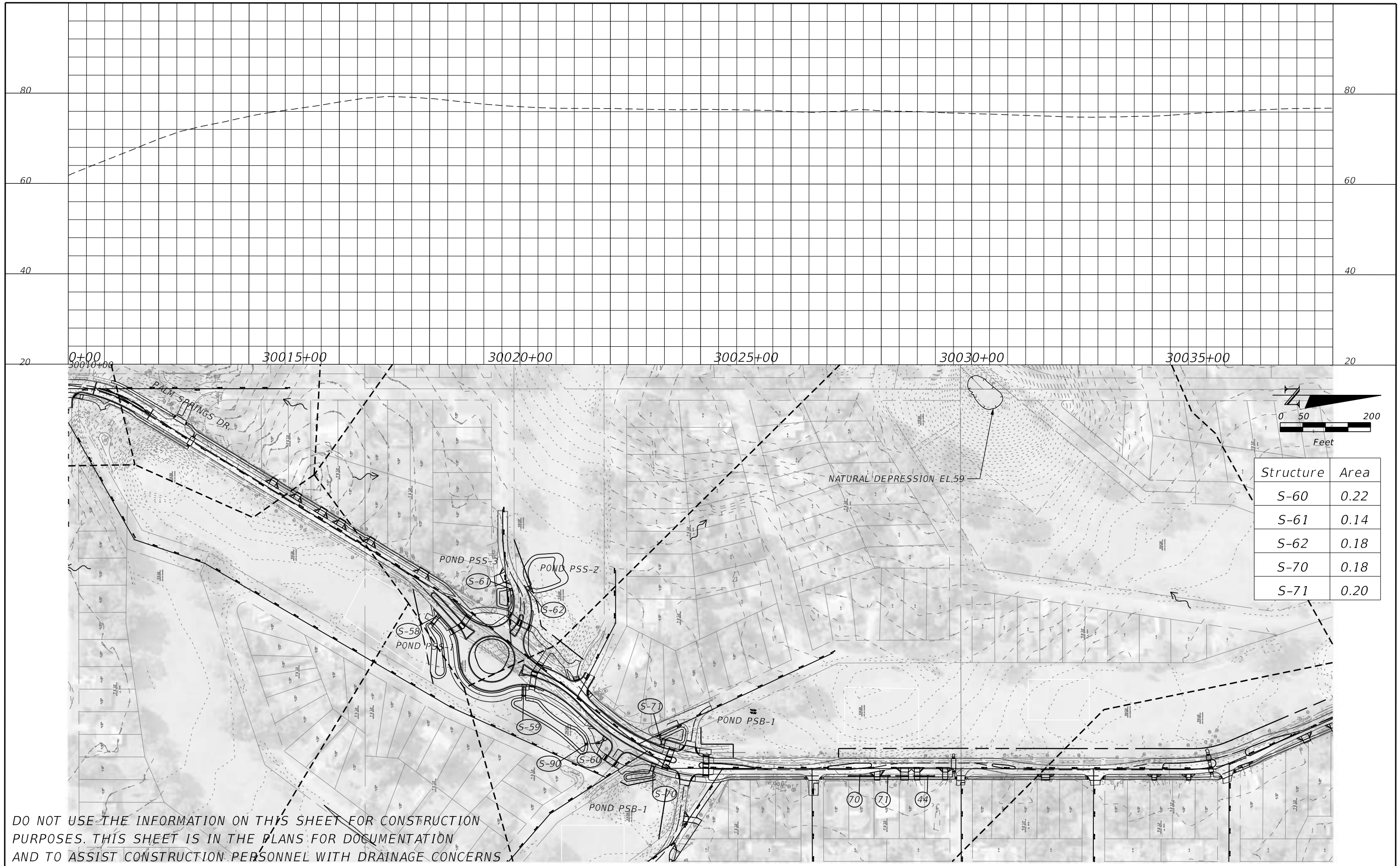


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

DRAINAGE MAP

SHEET NO.
6

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Structure	Area
S-60	0.22
S-61	0.14
S-62	0.18
S-70	0.18
S-71	0.20

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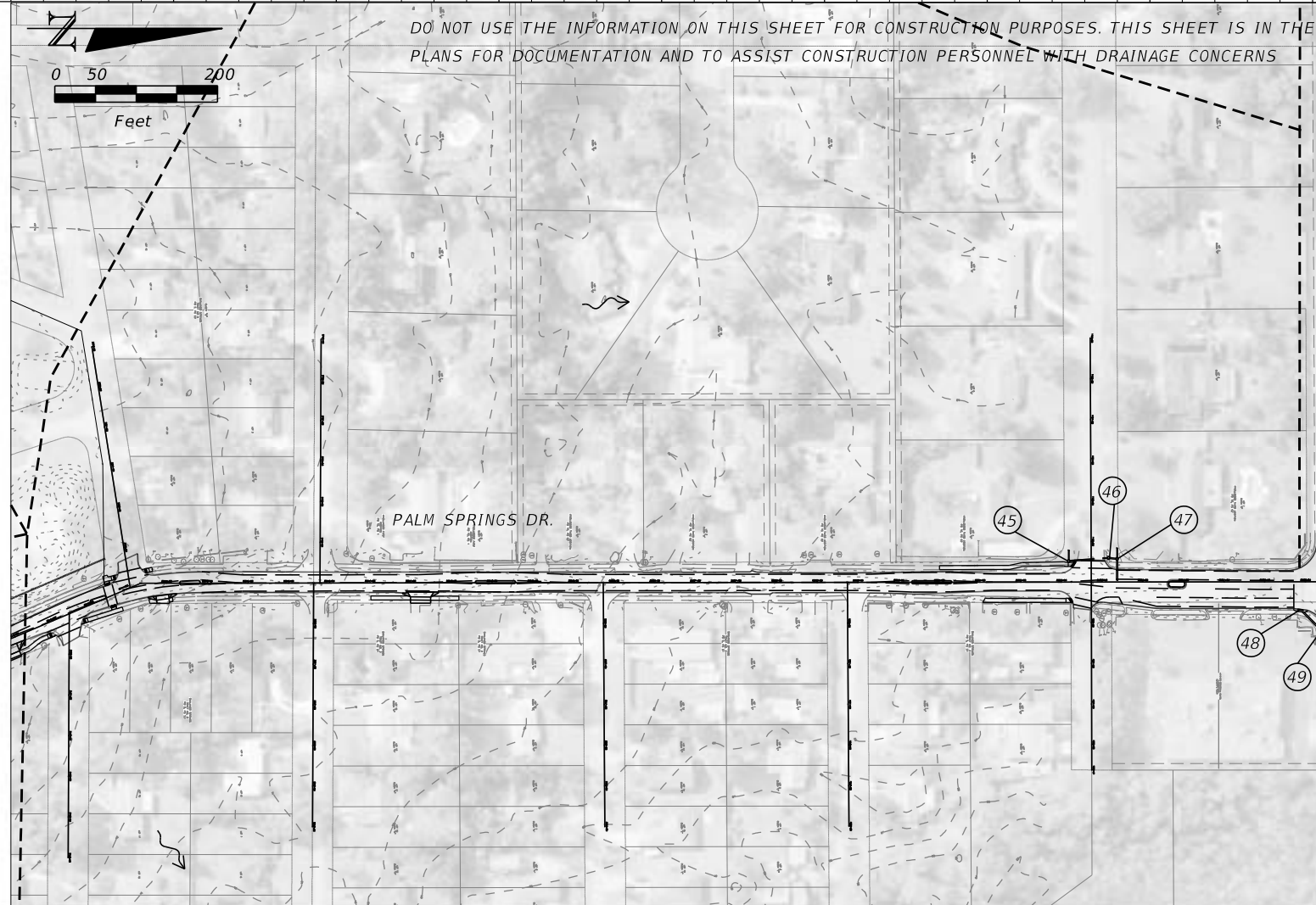
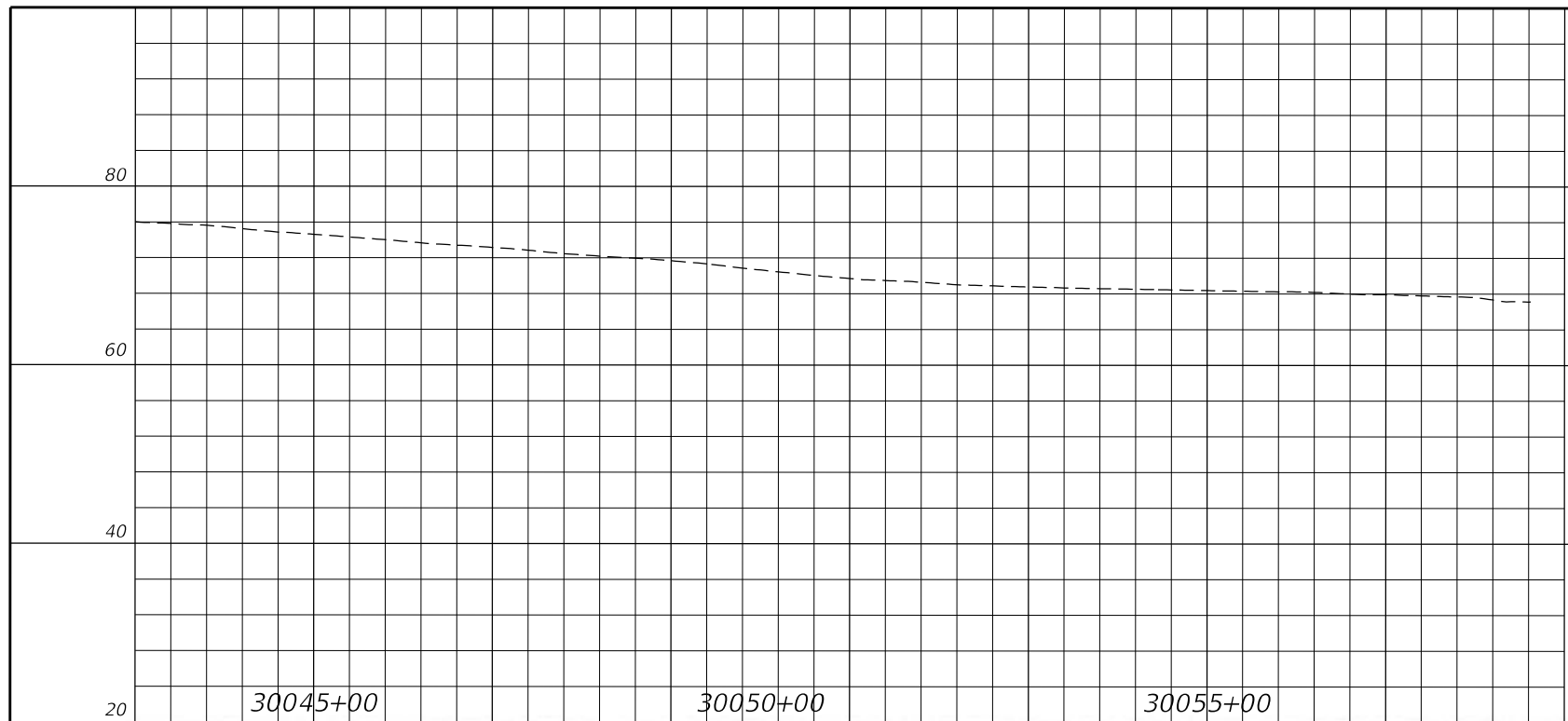


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

DRAINAGE MAP

SHEET NO.
7

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- ① 15" RCP
FLAT GRATE INLET
TOP = 47.14
SW INV = 44.33
W INV = 44.38
- ② 18" RCP
DRAINAGE MANHOLE
TOP = 47.36
N INV = 41.23
SW INV = 40.84
- ③ XX" CMP
DRAINAGE MANHOLE
TOP = 46.15
N INV = 43.36
S INV = 43.01
W INV = 43.10
- ④ 15" RCP
DRAINAGE MANHOLE
TOP = 46.16
E INV = 43.69
- ⑤ XX" CMP
DRAINAGE MANHOLE
TOP = 46.49
E INV = 40.39
S INV = 42.14
- ⑥ 18" RCP
CURB INLET
TOP = 73.53
N INV = 67.28
- ⑦ 18" RCP
CURB INLET
TOP = 71.74
SW INV = 67.02
S INV = 67.04
- ⑧ 18" RCP
INVERT = 66.93
- ⑨ 36" RCP
INVERT = 64.85
- ⑩ 15" CMP
INVERT = 74.16
- ⑪ 15" CMP
- ⑫ 18" CMP CHANGES TO
TWO 8" PVC
FLAT GRATE INLET
TOP = 74.85
N INV (8" PVC) =
73.58
- ⑬ 18" CMP
INVERT = 72.60
- ⑭ 15" CPP
INVERT = 70.87
- ⑮ 18" RCP
FLAT GRATE INLET
TOP = 75.54
36" FIBERGLASS
SKIMMER
NW INV = 67.05
XX" CMP
DRAINAGE MANHOLE
TOP = 48.09
NE INV = 40.69
NW INV = 43.59
E INV = 41.69
S INV = 40.39
- ⑯ 15" RCP
DRAINAGE MANHOLE
TOP = 46.23
S INV = 43.11
- ⑰ 15" RCP
FLAT GRATE INLET
TOP = 45.52
N INV = 42.94
E INV = 43.21
W INV = 42.85
- ⑱ 15" RCP
FLAT GRATE INLET
TOP = 47.22
W INV = 44.01
E INV = 45.32
- ⑳ 15" RCP
DRAINAGE MANHOLE
TOP = 50.57
E INV = 46.36
W INV = 46.19
- ㉑ XX" XXX
FLAT GRATE INLET
TOP = 51.83
E INV = 50.46
W INV = 47.23
- ㉒ XX" XXX
DRAINAGE MANHOLE
TOP = 59.20
E INV = 55.72
S INV = 55.73
W INV = -55.73
- ㉓ 15" RCP
DRAINAGE MANHOLE
TOP = 59.63
- ㉔ XX" XXX
DRAINAGE MANHOLE
TOP = 45.41
N INV = 40.04
W INV = 39.94
S INV = 43.59
- ㉕ 30" RCP
DRAINAGE MANHOLE
TOP = 45.63
E INV = 39.18
W INV = 39.50
- ㉖ 30" RCP
DRAINAGE MANHOLE
TOP = 45.63
N INV = 47.63
NE INV = 42.65
S INV = 42.55
- ㉗ XX" RCP
DRAINAGE MANHOLE
TOP = 57.58
E INV = 55.03
W INV = 54.98
- ㉘ XX" RCP
DRAINAGE MANHOLE
TOP = 50.02
NE INV = 46.47
W INV = 46.40
- ㉙ XX" RCP
DRAINAGE MANHOLE
TOP = 47.99
SW INV = 43.94
NE INV = 43.94
- ㉚ XX" RCP
DRAINAGE MANHOLE
TOP = 47.48
N INV = 41.93
S INV = BRICK PLUG
- ㉛ XX" RCP
DRAINAGE MANHOLE
TOP = 43.29
N INV = 39.04
E INV = 39.19
S INV = 39.69
- ㉜ 12" RCP
DRAINAGE MANHOLE
TOP = 47.63
N INV = BRICK PLUG
S INV = 44.53
- ㉝ XX" RCP
DRAINAGE MANHOLE
TOP = 47.07
N INV = 41.66
E INV = 41.77
S INV = 42.01
W INV = 41.71
- ㉞ 18" HDPE
INVERT = 42.28
- ㉟ 24" RCP
CURB INLET
TOP = 47.50
N INV = 43.38
E INV = 43.38
W INV = BRICK PLUG
- ㊱ XX" XXX
CURB INLET
TOP = 47.13
E INV = 43.10
S INV = 42.95
W INV = 41.35
- ㊲ 24" RCP
DRAINAGE MANHOLE
TOP = 49.23
E INV = 45.48
W INV = 45.53
- ㊳ XX" XXX
DRAINAGE MANHOLE
TOP = 52.73
E INV = 49.68
S INV = 49.83
W INV = 49.38
- ㊴ 18" RCP
DRAINAGE MANHOLE
TOP = 59.06
S INV = 56.01
W INV = 55.76
- ㊵ 18" RCP
DRAINAGE MANHOLE
TOP = 60.63
N INV = 57.40
- ㊶ XX" RCP
DRAINAGE MANHOLE
TOP = 59.29
N INV = 55.19
E INV = 54.64
W INV = 55.04
- ㊷ 18" RCP
DRAINAGE MANHOLE
TOP = 59.97
N INV = 56.40
- ㊸ XX" RCP
DRAINAGE MANHOLE
TOP = 60.14
S INV = 56.14
W INV = 56.06
- ㊹ 18" CPP
FLAT GRATE INLET
TOP = 94.33
N INV = 89.03
S INV = 89.53
- ㊺ XX" XXX
FLAT GRATE INLET
TOP = 87.49
N INV = 85.89
W INV = 85.80
- ㊻ 24"x14" ERCP
FLAT GRATE INLET
TOP = 87.14
N INV = 85.16
S INV = 85.15
- ㊼ XX XXX
FLAT GRATE INLET
TOP = 87.20
E INV = 84.56
S INV = 84.68
W INV = 84.85
- ㊽ 18" RCP
CURB INLET
TOP = 86.89
NE INV = 81.59
- ㊾ 18" RCP
DRAINAGE MANHOLE
TOP = 87.20
NW INV = 81.29
SW INV = 81.19
- ㊿ XX" RCP
FLAT GRATE INLET
TOP = 65.20
NE INV = 60.74
S INV = 61.00
- ① 18" RCP
FLAT GRATE INLET
TOP = 65.12
NE INV = 61.11
SW INV = 61.11
- ② 18" RCP
DRAINAGE MANHOLE
TOP = 66.99
N INV = 61.29
SW INV = 61.20
- ③ 18" RCP
CURB INLET
TOP = 67.51
S INV = 61.86
- ④ 18" RCP
DRAINAGE MANHOLE
TOP = 69.54
NE INV = 65.91
- ⑤ 18" RCP
DRAINAGE MANHOLE
TOP = 69.55
SE INV = 64.97
SW INV = 65.47
- ⑥ 18" RCP
INVERT = 64.98
- ⑦ 18" RCP
INVERT = 64.67
- ⑧ 30" RCP
INVERT = 64.86
- ⑨ 30" RCP
INVERT = 65.00
- ⑩ 30" RCP
INVERT = 65.09
- ⑪ XX" RCP
DRAINAGE MANHOLE
TOP = 71.22
SE INV = 64.85
- ⑫ XX" RCP
CURB INLET
TOP = 70.79
- ⑬ XX" RCP
CURB INLET
TOP = 71.88
NE INV = 65.52
SE INV = 66.58
SW INV = 65.49
- ⑭ 36" HDPE
INVERT = 35.95
- ⑮ 36" HDPE
INVERT = 36.01
- ⑯ 24" CMP
INVERT = 37.56
- ⑰ 24" CMP
INVERT = 44.05
- ⑱ 12" RCP
INVERT = 39.98
- ⑲ XX" XXX
INVERT = 39.07
- ⑳ 18" CPP
FLAT GRATE INLET
TOP = 94.37
N INV = 89.83
S INV = 89.32
- ㉑ 18" CPP
FLAT GRATE INLET
TOP = 94.20
N INV = 89.85
S INV = 90.31

REVISIONS				RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		DRAINAGE MAP	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
				RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084			


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

QUANTITY	STR. NO.	BASELINE	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN PIPE				CURB INLETS								MANHOLES		DITCH BOTTOM INLETS	CROSS DRAIN MITERED END SECTION		REMARKS						
							ROUND				P-1		P-2		P-3		P-4	P-5	Modify		Closed Flume		P-8		C					
							4" PVC	15"	18"	24"	<10'	Partial	<10'	Partial	<10'	Partial	<10'	<10'			Type 1	Type 2	Partial		<10'	<10'	18"	24"		
P F	S-8	BL_RAYMOND	10006+16	RT.	MES, Pipe	1				6																1		Conc. Jacket		
P F	S-9	BL_RAYMOND	10000+54	RT.	Inlet Top						1																			
P F	S-10	BL_RAYMOND	1000+00	RT.	Inlet, Pipe	1										1												Conc. Jacket		
P F	S-11	BL_RAYMOND	10006+06	LT.	Inlet, Pipe	1		4									1											Conc. Jacket		
P F	S-12	BL_RAYMOND	10006+26	RT.	Modify Inlet												1													
P F	S-13	BL_RAYMOND	10007+25	RT.	Inlet, Pipe	1		95			1																			
P F	S-14	BL_RAYMOND	10009+50	RT.	Inlet, Pipe	1		221			1																			
P F	S-15	BL_RAYMOND	10011+20	RT.	Inlet, Pipe	1		166			1																			
P F	S-16	BL_RAYMOND	10013+00	RT.	Inlet, Pipe	1		176			1																			
P F	S-17	BL_RAYMOND	10014+00	RT.	Inlet, Pipe	1		96					1																	
P F	S-18	BL_RAYMOND	10017+17	LT.	Inlet, Pipe	1		30							1															
P F	S-19	RAB_RAY_SB_EX	104+10	LT.	Inlet, Pipe	1										1														
P F	S-20	RAB_RAY_NB_EX	201+40	RT.	Inlet, Pipe	1				1																				
P F	S-21	RAB_RAY_SB_EX	102+75	RT.	Inlet, Pipe	1				1																				
P F	S-22	RAB_RAY_WB_EX	303+05	LT.	Inlet, Pipe	1						1																		
P F	S-23	RAB_RAY_WB_EX	304+35	RT.	Inlet, Pipe	1				1																				
P F	S-24	RAB_RAY_SB_EX	100+60	RT.	Inlet, Pipe	1				1																				
P F	S-25	BL_RAYMOND	10022+70	RT.	Inlet, Pipe	1	14		37		1																			
P F	S-26	BL_RAYMOND	10022+70	LT.	Inlet, Pipe	1			312		1																			
P F	S-27	BL_RAYMOND	10025+85	RT.	Inlet, Pipe	1			38		1																			
P F	S-28	BL_RAYMOND	10025+85	LT.	Inlet, Pipe	1			63		1																			
P F	S-29	BL_RAYMOND	10026+50	LT.	Manhole, Pipe	1			52											1										
P F	S-30	BL_RAYMOND	10026+85	LT.	MES																					1				
P F	S-31	RB_NO_NWLEG	203+01	LT.	Inlet, Pipe	1			57																	1				
P F	S-32	RAB_NOR_SB_EX	401+21	RT.	Inlet, Pipe	1			69		1																			
P F	S-33	RAB_NOR_SB_EX	402+00	RT.	Inlet, Pipe	1			60		1																			
P F	S-34	RAB_NOR_WB_EX	304+65	RT.	Inlet, Pipe	1			68		1																			
P F	S-35	RAB_NOR_NB_EX	201+14	RT.	MES																					1				
SHEET TOTALS																														
						PLAN QUANTITY	14	788	859	6	15	1	1	0	2	0	2	1	1	0	0	0	1	1	2	1			0	
						FINAL QUANTITY																								

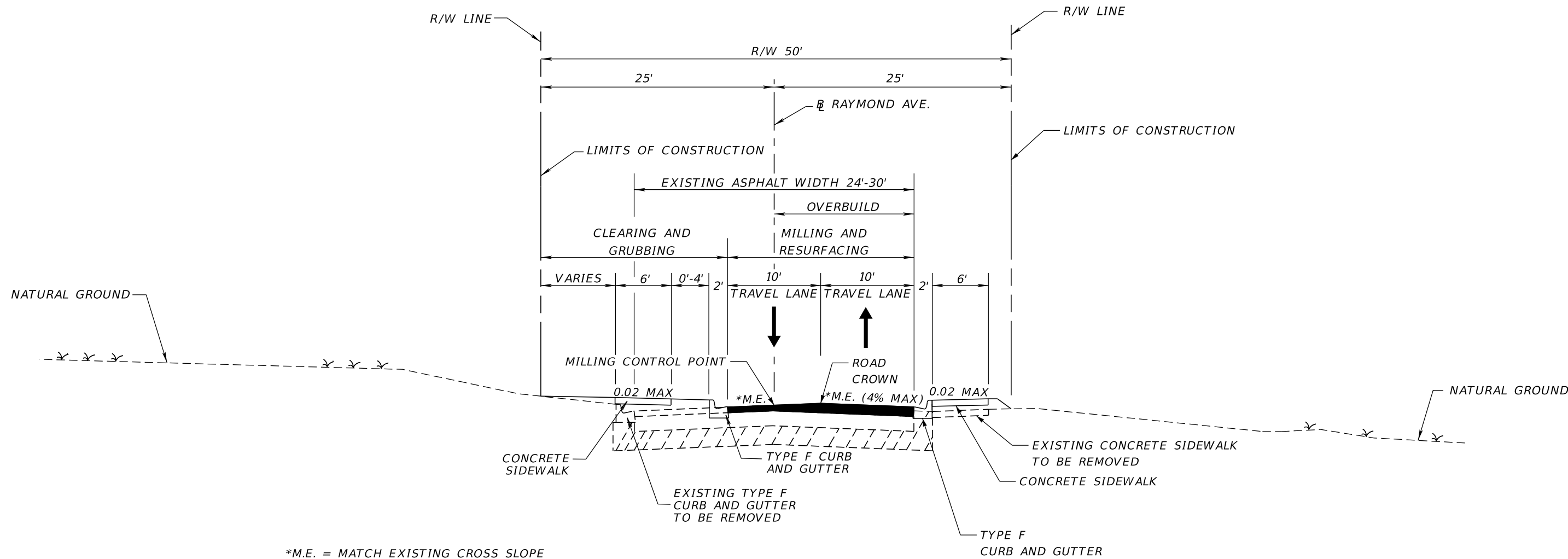
REVISIONS				RICARDO A. CINTRON, P.E. LICENSE NO. 76423		SEMINOLE COUNTY ENGINEERING DIVISION		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION	315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801		ROLLING HILLS AREA ROADWAYS PHASE 1			
				PHONE 407.420.4200		ROAD		COUNTY CIP No.	
				FAX 407.420.4242		RAYMOND AVE., NORTH ST., PALM SPRINGS DR.		01907084	
						SUMMARY OF DRAINAGE STRUCTURES			
						9			

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

QUANTITY	STR. NO.	BASELINE	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN PIPE				CURB INLETS										MANHOLES		DITCH BOTTOM INLETS		CROSS DRAIN MITERED END SECTION		REMARKS		
							ROUND				P-1		P-2		P-3		P-4		P-5		Modify		Closed Flume		P-8			C	
							4" PVC	15"	18"	24"	<10'	Partial	<10'	Partial	<10'	Partial	<10'	<10'	<10'	<10'	Modify	Closed	Flume	Partial	<10'	<10'		<10'	18"
P F	S-38	BL_NORTH	20017+88	LT.	MES																			1					
P F	S-39	RAB_NOR_NB_EX	202+64	RT.	Inlet Top									1															
P F	S-40	RAB_NOR_NB_EX	202+80	RT.	Inlet, Pipe	1		17				1																	
P F	S-41	BL_NORTH	20018+08	LT.	Top, Pipe	1			81			1																	
P F	S-42	BL_NORTH	20019+50	RT.	Inlet, Pipe	1		136		1																			
P F	S-43	BL_NORTH	20021+52	LT.	Manhole Top														1										
P F	S-44	BL_NORTH	20025+04	LT.	Manhole Top														1										
P F	S-45	BL_NORTH	20025+03	RT.	Modify Inlet											1													
P F	S-47	BL_NORTH	20025+75	RT.	Inlet, Pipe	1		69		1																			
P F	S-50	RB_NO_NELEG	304+15	LT.	MES																		1						
P F	S-51	RAB_NOR_WB_EX	302+40	RT.	Inlet, Pipe	1			51	1																			
P F	S-52	RAB_NOR_NB_EX	401+40	LT.	Inlet, Pipe	1			58				1																
P F	S-53	RAB_NOR_EB_EX	100+80	LT.	Inlet, Pipe	1			106						1														
P F	S-54	RB_NO_SWLEG	102+86	LT.	Inlet, Pipe	1		97		1																			
P F	S-55	RAB_NOR_SB_EX	200+75	RT.	Inlet, Pipe	1			131	1																			
P F	S-58	RAB_PAL_NB_EX	102+05	RT.	Inlet												1												
P F	S-59	RAB_PAL_NB_EX	105+00	RT.	Inlet												1												
P F	S-60	RAB_PAL_NB_EX	107+20	RT.	Inlet													1											
P F	S-61	RAB_PAL_EB_EX	301+80	RT.	Inlet														1										
P F	S-62	RAB_PAL_SB_EX	204+10	RT.	Inlet														1										
P F	S-66	RAB_RAY_WB_EX	301+20	RT.	Inlet														1										
P F	S-70	BL_PALMSPRINGS	30027+20	RT.	Inlet														1										
P F	S-71	BL_PALMSPRINGS	30027+10	LT.	Inlet														1										
P F	S-80	BL_PALMSPRINGS	30005+62	LT.	Modify Inlet															1									
P F	S-81	BL_PALMSPRINGS	30005+60	RT.	Inlet, Pipe	1			37	1																			
P F	S-85	BL_NORTH	20042+89	LT.	Manhole Top															1									
P F	S-86	BL_NORTH	20043+20	LT.	Manhole, Pipe	1														1					Conc. Jacket				
P F	S-87	BL_NORTH	20043+20	RT.	Inlet, Pipe	1			5	1																			
P F	S-90	BL_PALMSPRINGS	30025+80	RT	MES, Pipe, MES	1			24															2					
SHEET TOTALS							0	319	412	81	7	0	1	1	1	1	1	0	2	5	3	3	1	0	3	1			
PROJECT TOTALS							14	1107	1271	87	22	1	2	1	3	1	3	1	3	5	3	3	2	1	5	2			

REVISIONS				RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242		SEMINOLE COUNTY ENGINEERING DIVISION		ROLLING HILLS AREA ROADWAYS PHASE 1 ROAD COUNTY CIP No. RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084	SUMMARY OF DRAINAGE STRUCTURES			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD	COUNTY CIP No.					10

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



*M.E. = MATCH EXISTING CROSS SLOPE


**TYPICAL SECTION 1
RAYMOND AVENUE
STA. 10000+29.33 TO STA. 10001+75.00**

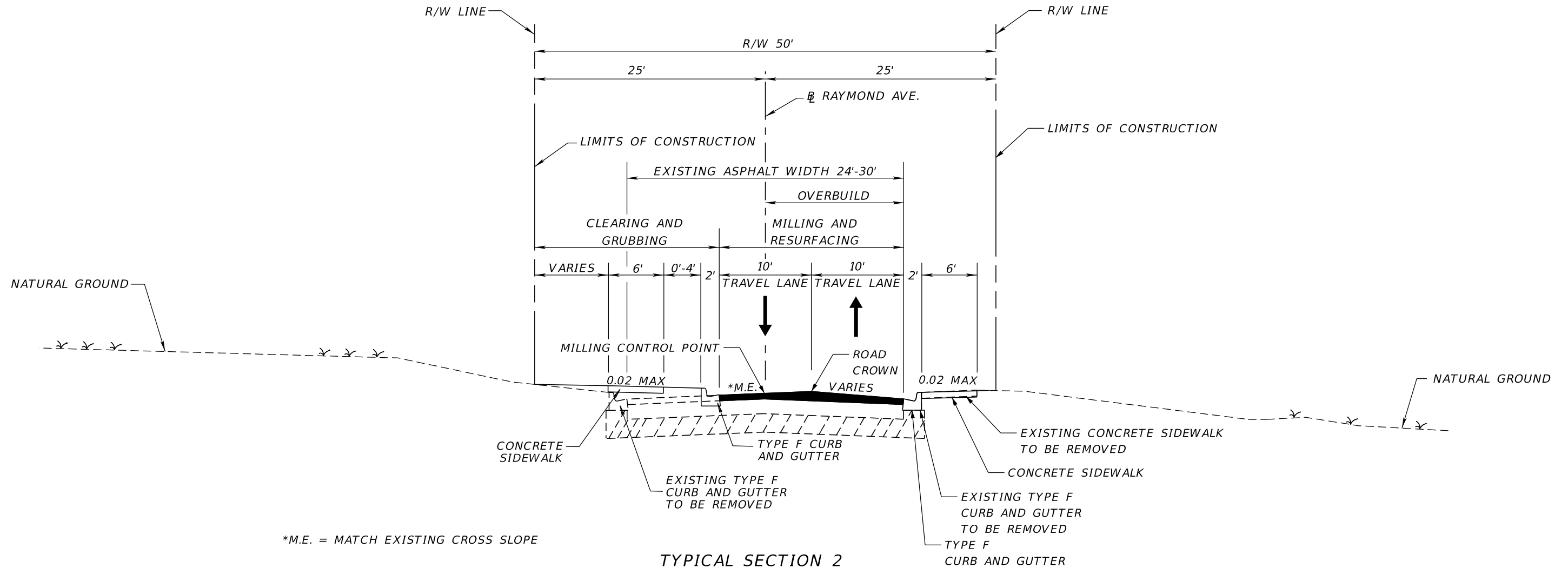
MILLING
MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

RESURFACING
TYPE SP STRUCTURAL COURSE (TRAFFIC C) OVERBUILD LAYER (VARIES)
FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

TRAFFIC DATA

DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

REVISIONS				<small>TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small> 	<small>SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1</small>		<p>TYPICAL SECTIONS</p>	<p>SHEET NO. 11</p>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		



*M.E. = MATCH EXISTING CROSS SLOPE


**TYPICAL SECTION 2
RAYMOND AVENUE
STA. 10001+75.00 TO STA. 10005+60.00**

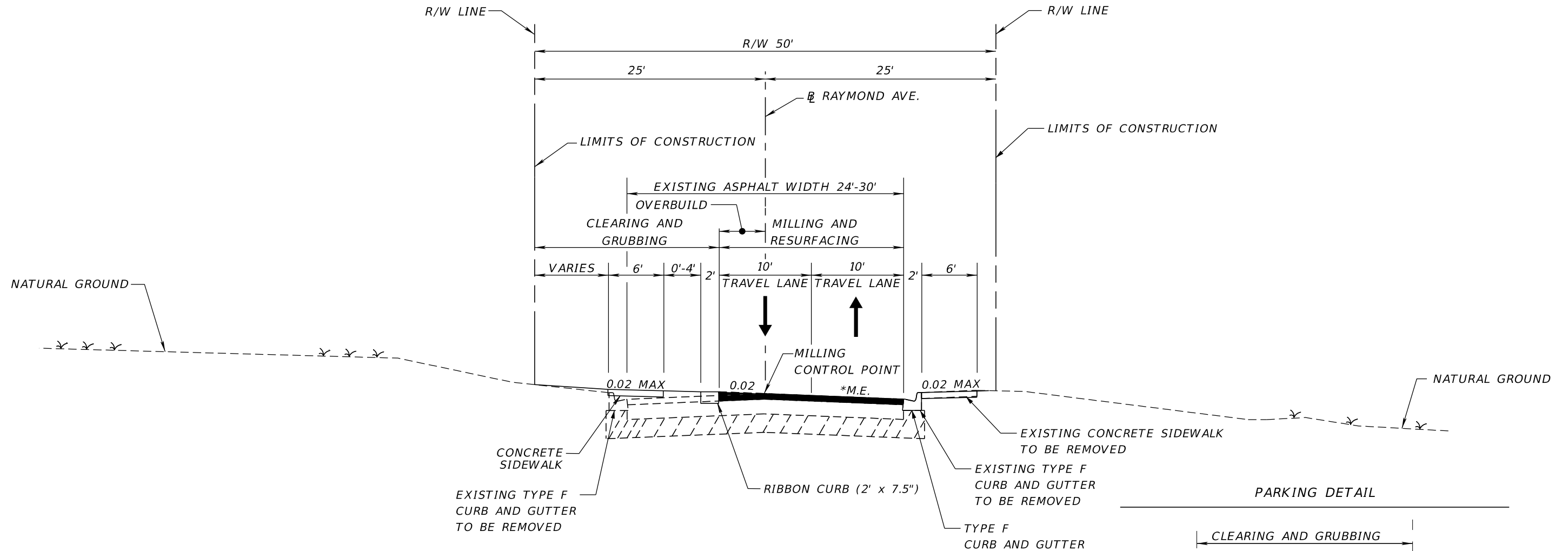
MILLING
MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

RESURFACING
TYPE SP STRUCTURAL COURSE (TRAFFIC C) OVERBUILD LAYER (VARIES)
FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

TRAFFIC DATA

DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

REVISIONS				<small>TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small> 	<small>SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1</small>		<p>TYPICAL SECTIONS</p>	<small>SHEET NO.</small> 12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

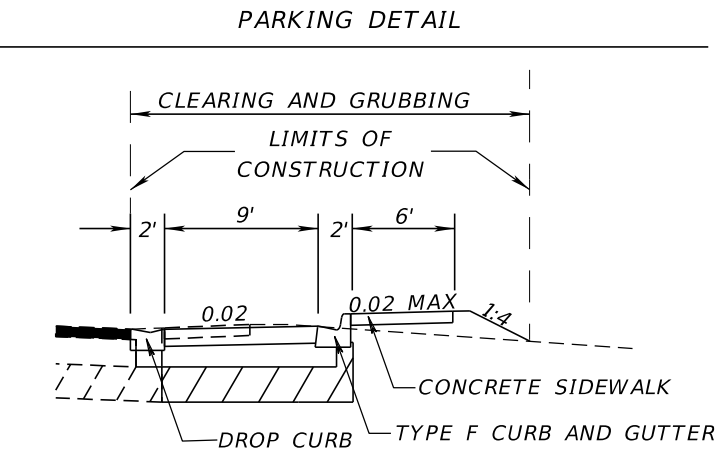


*M.E. = MATCH EXISTING CROSS SLOPE

**TYPICAL SECTION 3
RAYMOND AVENUE
STA. 10005+60.00 TO STA. 10014+98.67**

MILLING
MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

RESURFACING
TYPE SP STRUCTURAL COURSE (TRAFFIC C) OVERBUILD LAYER (VARIES)
FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)



PARKING LIMITS
 STA. 10007+76.55 TO STA. 10008+76.45
 STA. 10009+70.35 TO STA. 10010+70.21
 STA. 10011+38.08 TO STA. 10012+37.82
 STA. 10014+11.74 TO STA. 10014+67.38

TRAFFIC DATA
 DESIGN SPEED = 25 MPH
 POSTED SPEED = 25 MPH

WIDENING
 OPTIONAL BASE GROUP 8 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
 AND FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



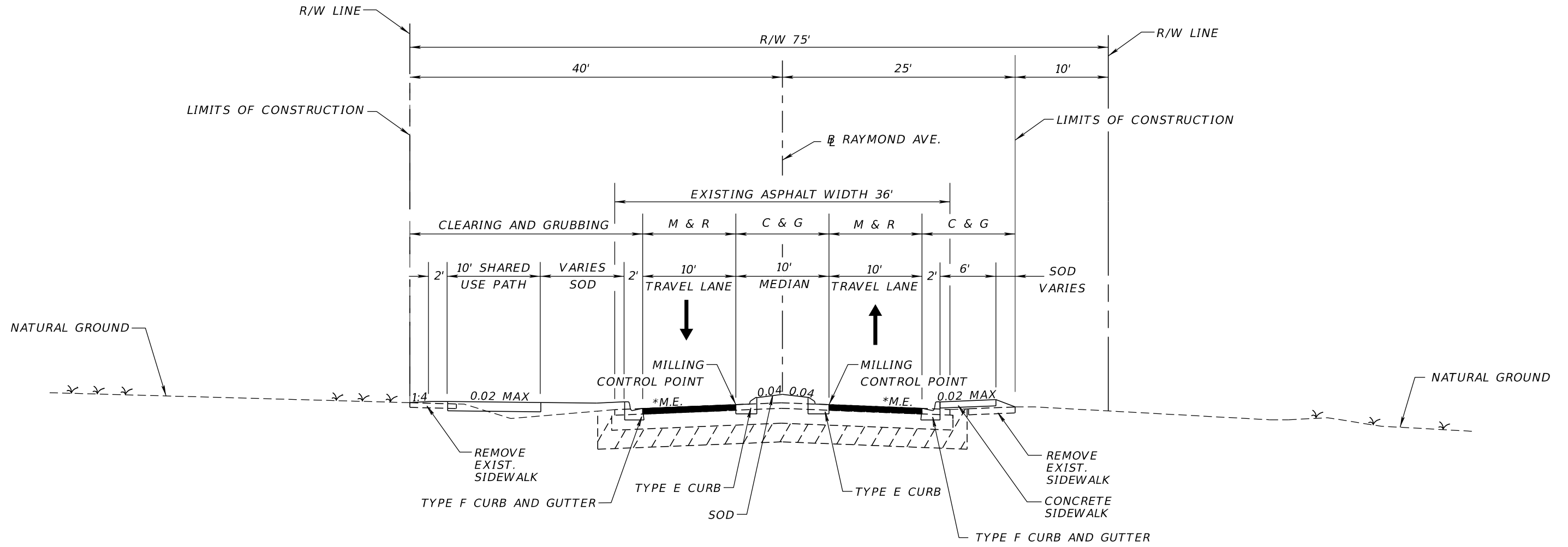
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

TYPICAL SECTIONS

SHEET NO.
13

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*M.E. = MATCH EXISTING CROSS SLOPE


**TYPICAL SECTION 4
RAYMOND AVENUE
STA. 10021+00.00 TO STA. 10030+00.00**

MILLING
MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

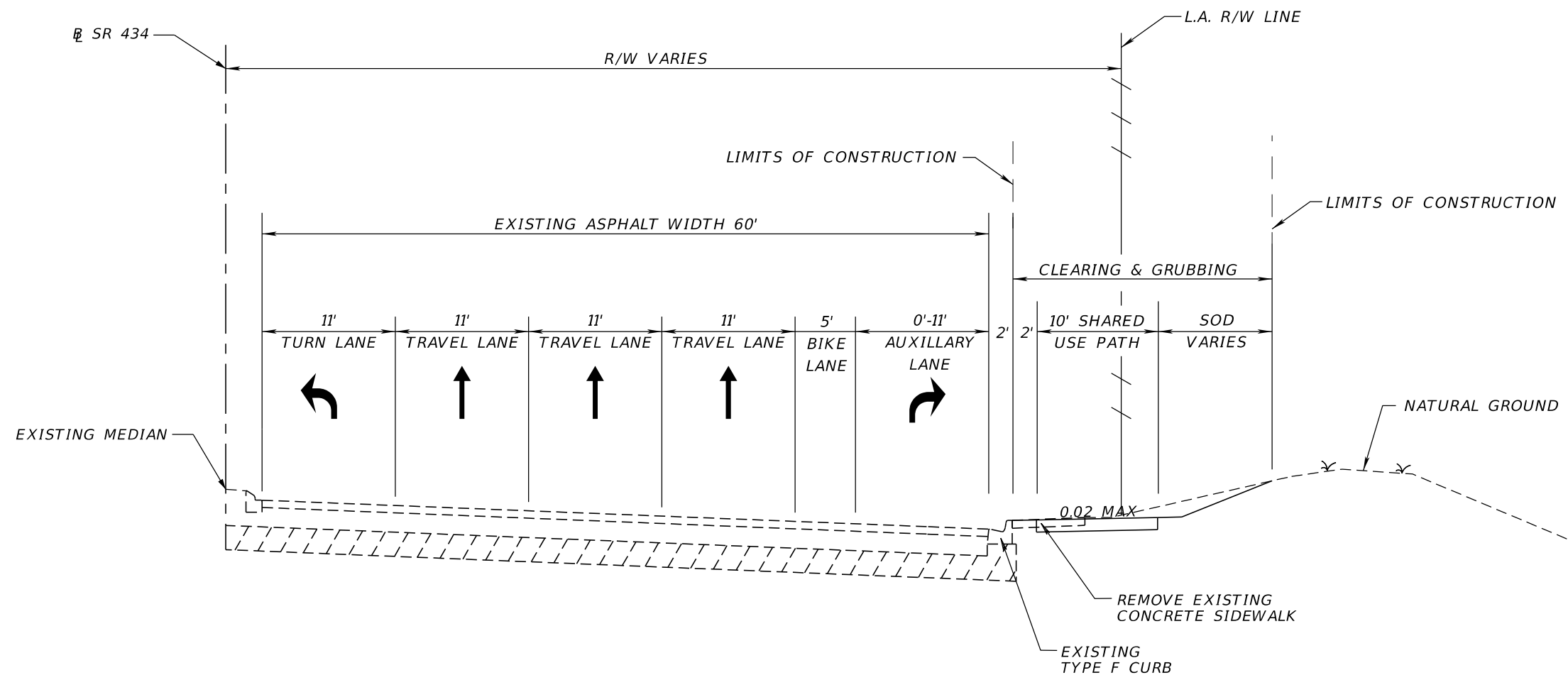
RESURFACING
FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

TRAFFIC DATA

DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

REVISIONS				<small>TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small> 	<small>SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1</small> ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR. COUNTY CIP No.: 01907084		TYPICAL SECTIONS SHEET NO. 14
DATE	DESCRIPTION	DATE	DESCRIPTION		SDATES	STIMES	

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



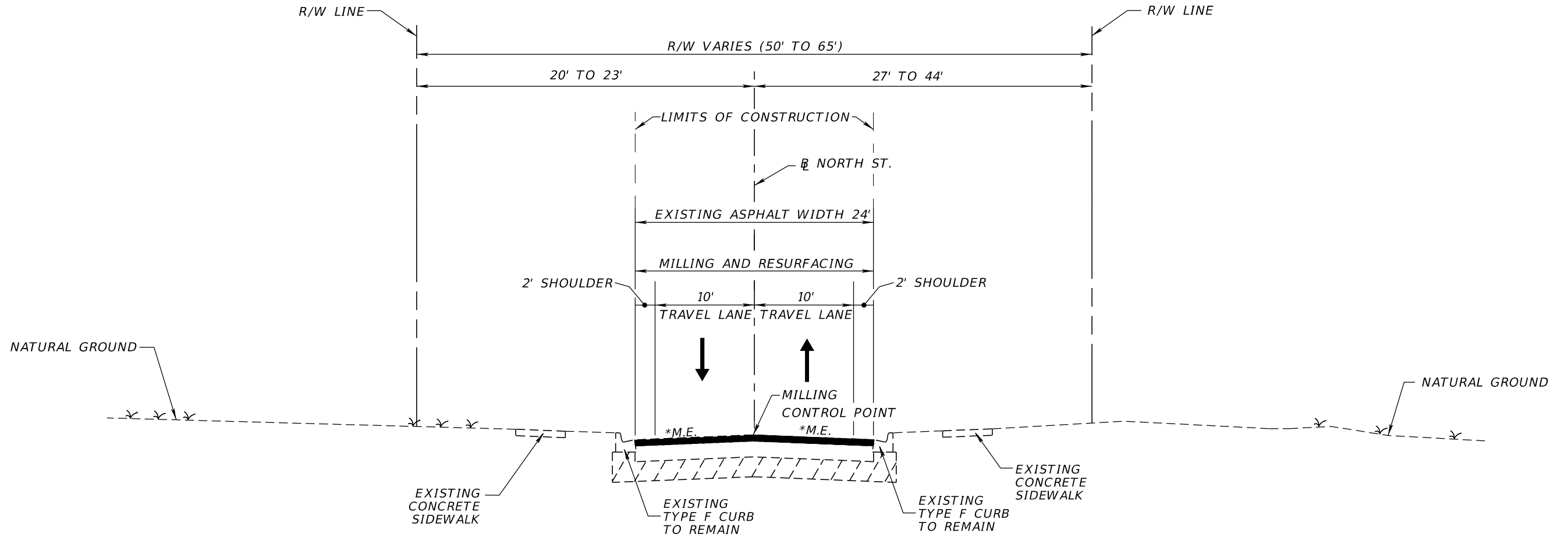
TYPICAL SECTION 5
 S.R. 434
 STA. 12+48.28 TO STA. 18+46.47

TRAFFIC DATA

DESIGN SPEED = 40 MPH (ASSUMED)
 POSTED SPEED = 35 MPH

REVISIONS				<small>TYLER VALILA, P.E. LICENSE NO. 90792</small> HR <small>315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801</small> <small>PHONE 407.420.4200 FAX 407.420.4242</small>	<small>SEMINOLE COUNTY ENGINEERING DIVISION</small> ROLLING HILLS AREA ROADWAYS PHASE 1		TYPICAL SECTIONS	<small>SHEET NO.</small> 15
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					<small>RAYMOND AVE., NORTH ST., PALM SPRINGS DR.</small> <small>SUSERS</small>	<small>01907084</small> <small>SDATES</small>		<small>STIMES</small> <small>SFILES</small>

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



*M.E. = MATCH EXISTING CROSS SLOPE

**TYPICAL SECTION 6
NORTH STREET
STA. 20003+50.71 TO STA. 20011+00.00**


MILLING
MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

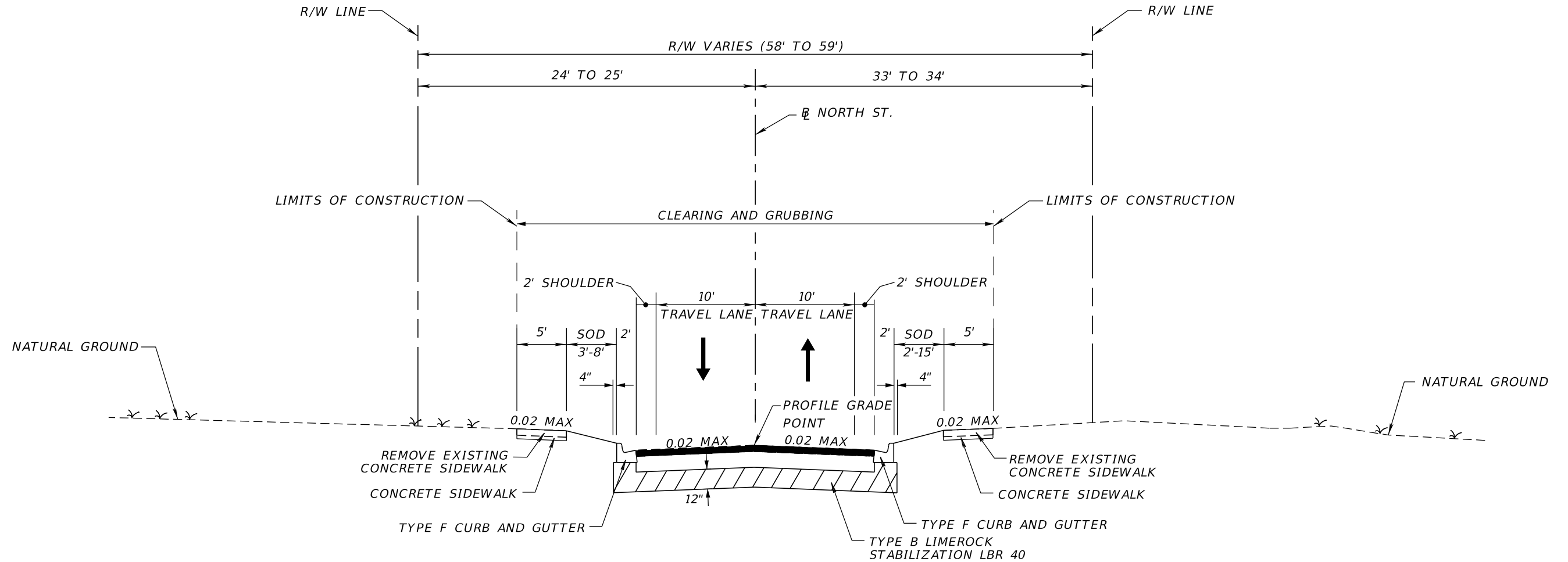
RESURFACING
FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

NOTE: SEE PLANS FOR LIMITS OF SIDEWALK RECONSTRUCTION

TRAFFIC DATA

DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

REVISIONS				<small>TYLER VALILA, P.E. LICENSE NO. 90792</small>  <small>315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small>	<small>SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1</small>		<p style="text-align: center;">TYPICAL SECTIONS</p>	<small>SHEET NO.</small> 16
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					<small>RAYMOND AVE., NORTH ST., PALM SPRINGS DR.</small>	<small>01907084</small>		



TYPICAL SECTION 7
NORTH STREET
STA. 20011+00.00 TO STA. 20013+40.00

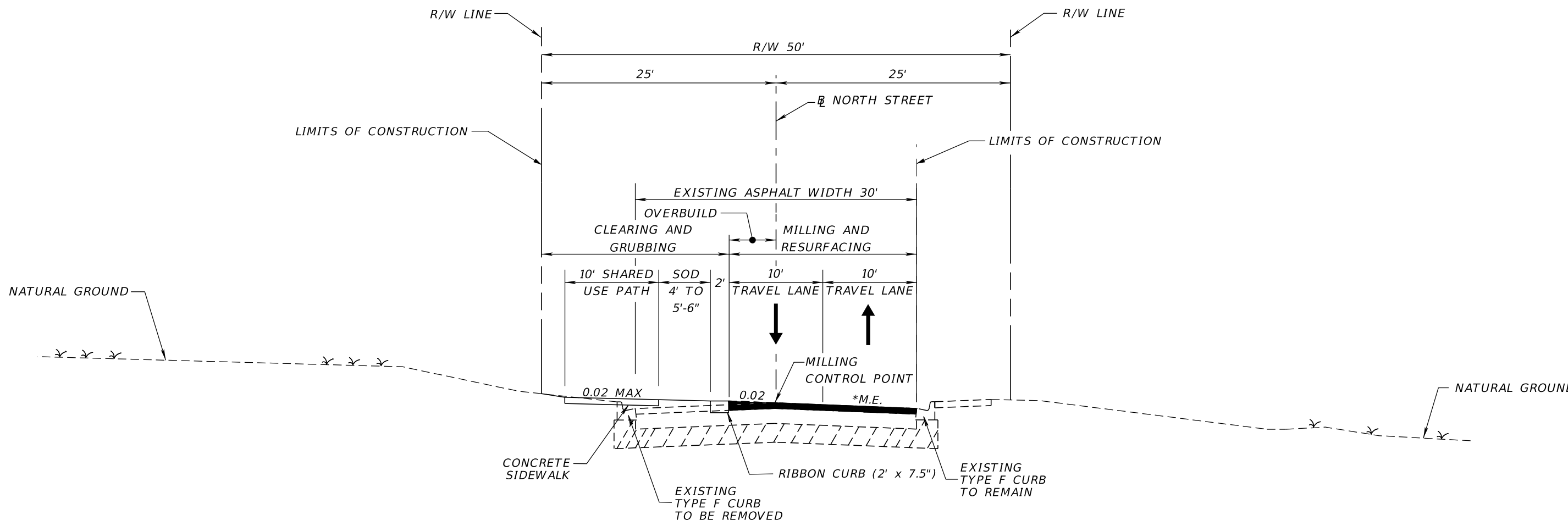
RECONSTRUCTION
 OPTIONAL BASE GROUP 8 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
 AND FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

TRAFFIC DATA

DESIGN SPEED = 25 MPH
 POSTED SPEED = 25 MPH

REVISIONS				TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		TYPICAL SECTIONS	SHEET NO. 17
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

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



*M.E. = MATCH EXISTING CROSS SLOPE

**TYPICAL SECTION 8
NORTH STREET
STA. 20018+37.21 TO STA. 20030+20.00**

MILLING
MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

RESURFACING
TYPE SP STRUCTURAL COURSE (TRAFFIC C) OVERBUILD LAYER (VARIES)
FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

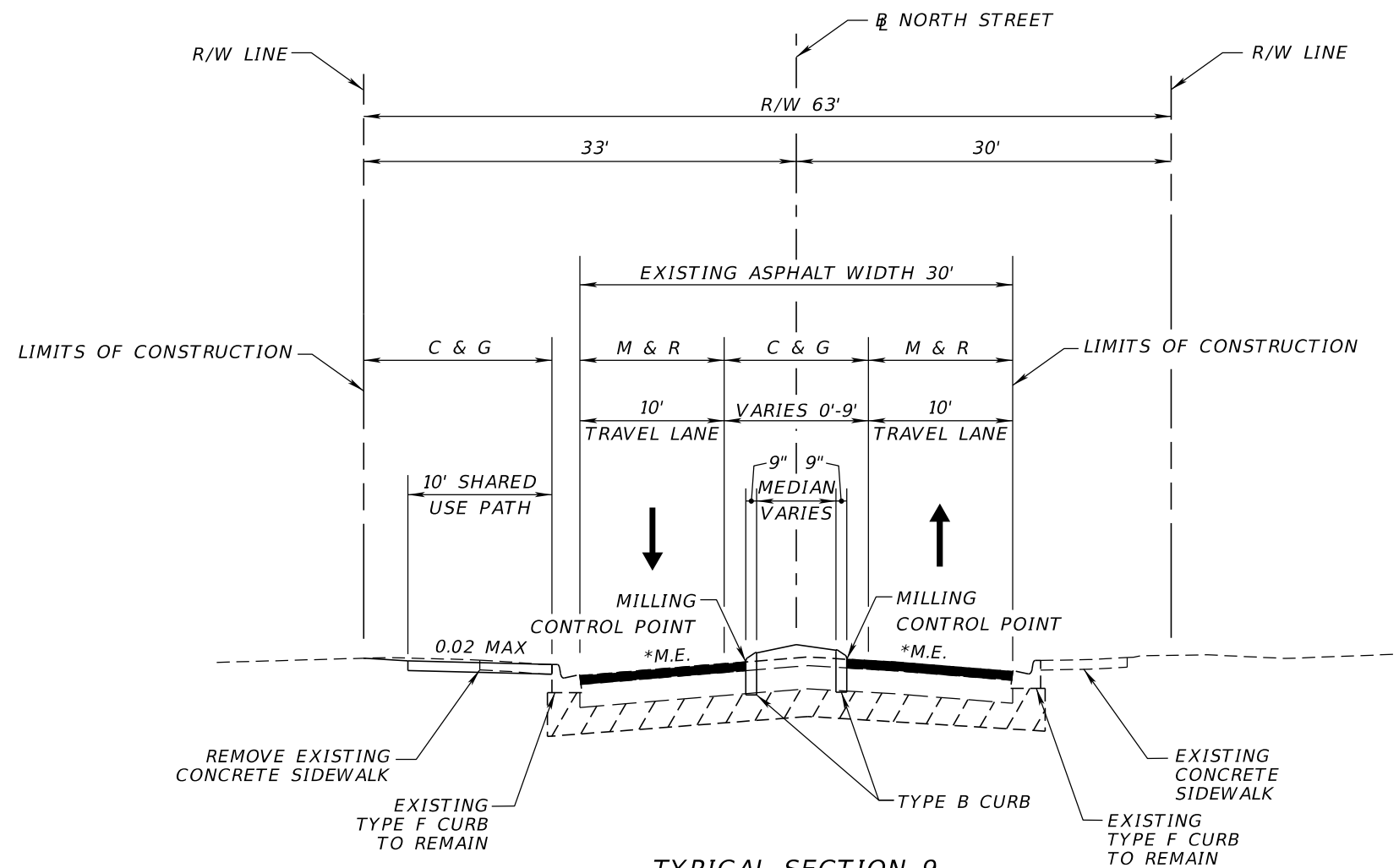
NOTE: SEE PLANS FOR LIMITS OF SIDEWALK RECONSTRUCTION

TRAFFIC DATA

DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

REVISIONS				<small>TYLER VALILA, P.E. LICENSE NO. 90792</small> HR <small>315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small>	<small>SEMINOLE COUNTY ENGINEERING DIVISION</small> ROLLING HILLS AREA ROADWAYS PHASE 1		TYPICAL SECTIONS	<small>SHEET NO.</small> 18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

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



*M.E. = MATCH EXISTING CROSS SLOPE

**TYPICAL SECTION 9
NORTH STREET
STA. 20030+20.00 TO STA. 20043+32.35**

MILLING
MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

RESURFACING
FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

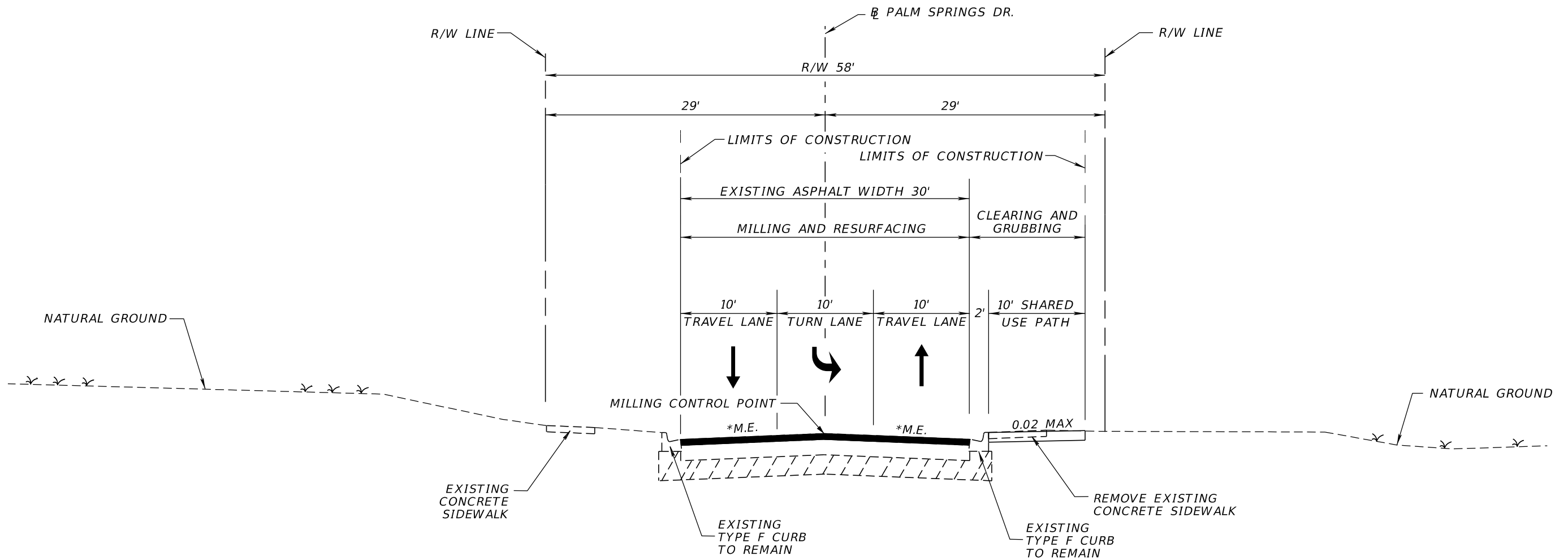
- NOTES:
1. REFER TO STANDARD PLANS FOR GRAVITY WALL DETAIL AND REFER TO PLAN SHEETS FOR GRAVITY WALL LIMITS
2. SEE PLANS FOR LIMITS OF SIDEWALK RECONSTRUCTION

TRAFFIC DATA

DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

REVISIONS				<small>TYLER VALILA, P.E. LICENSE NO. 90792</small> HR <small>315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small>	<small>SEMINOLE COUNTY ENGINEERING DIVISION</small> ROLLING HILLS AREA ROADWAYS PHASE 1		TYPICAL SECTIONS	<small>SHEET NO.</small> 19
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

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



*M.E. = MATCH EXISTING CROSS SLOPE

TYPICAL SECTION 10
PALM SPRINGS DRIVE
 STA. 30005+44.70 TO STA. 30007+00.00

MILLING

MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

RESURFACING

FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

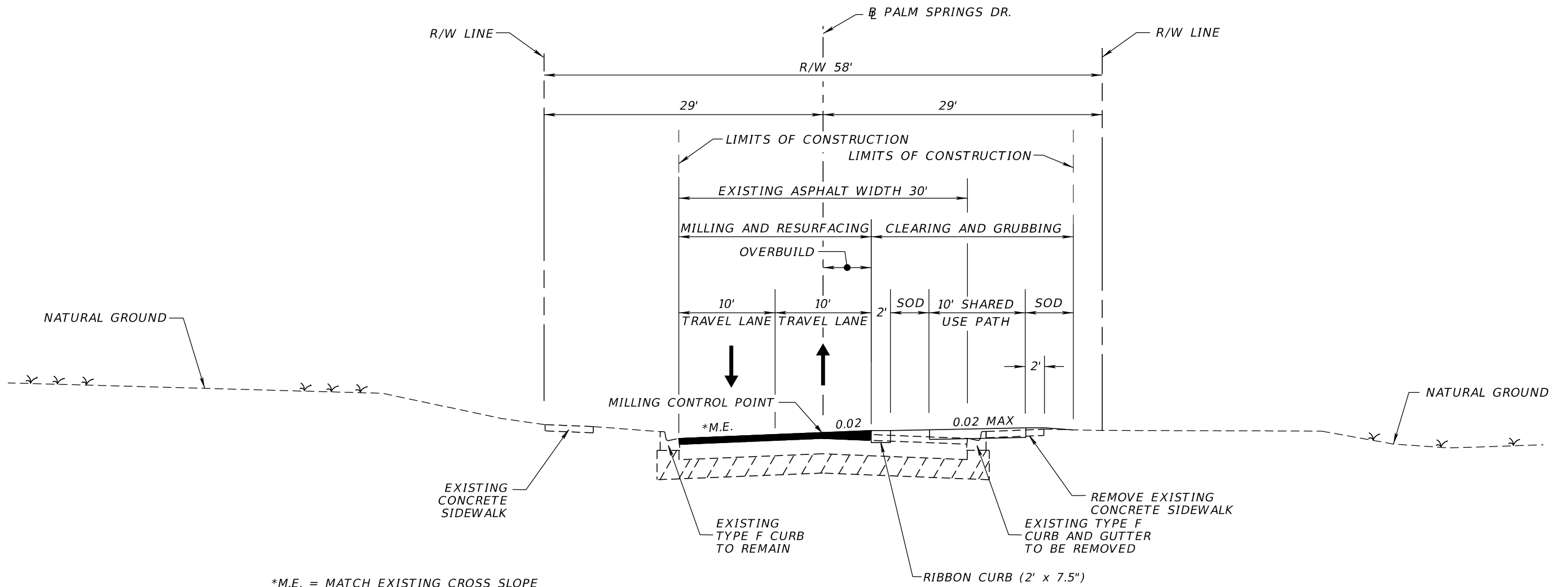
NOTE: SEE PLANS FOR LIMITS OF SIDEWALK RECONSTRUCTION

TRAFFIC DATA

DESIGN SPEED = 25 MPH
 POSTED SPEED = 25 MPH

REVISIONS				TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		TYPICAL SECTIONS	SHEET NO. 20
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH	01907084		
					ST., PALM SPRINGS DR.			

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



*M.E. = MATCH EXISTING CROSS SLOPE

TYPICAL SECTION 11
PALM SPRINGS DRIVE
STA. 30007+00.00 TO STA. 30012+19.93

MILLING

MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC C) OVERBUILD LAYER (VARIES)
 FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

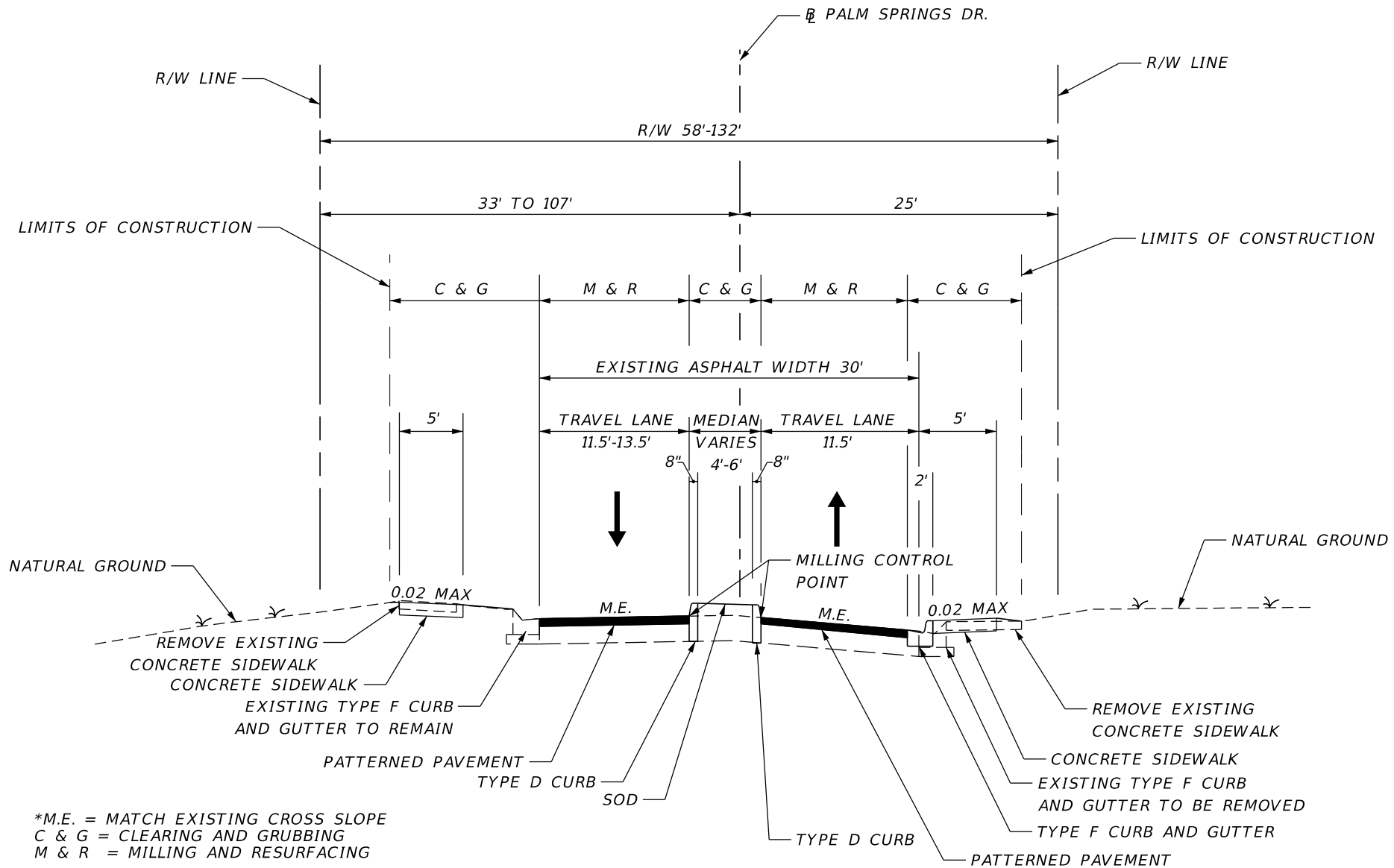
NOTE: SEE PLANS FOR LIMITS OF SIDEWALK RECONSTRUCTION

TRAFFIC DATA

DESIGN SPEED = 25 MPH
 POSTED SPEED = 25 MPH

REVISIONS				TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		TYPICAL SECTIONS	SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

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



*M.E. = MATCH EXISTING CROSS SLOPE
 C & G = CLEARING AND GRUBBING
 M & R = MILLING AND RESURFACING

TYPICAL SECTION 12
PALM SPRINGS DRIVE
STA. 30012+19.93 TO STA. 30013+60.00

MILLING
 MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

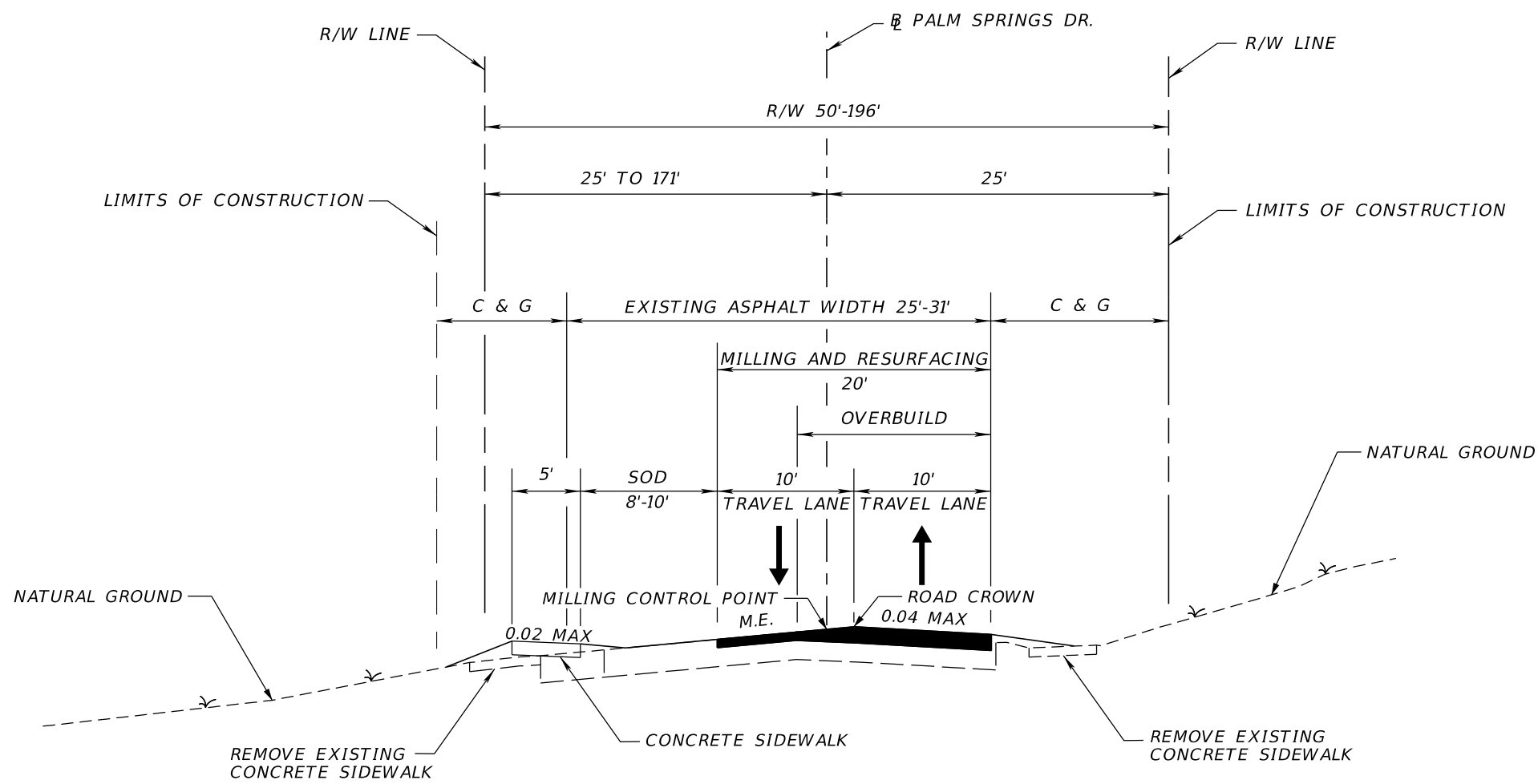
RESURFACING
 FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

TRAFFIC DATA

DESIGN SPEED = 25 MPH
 POSTED SPEED = 25 MPH

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

REVISIONS				<small>TYLER VALILA, P.E.</small> <small>LICENSE NO. 90792</small> <small>315 E. ROBINSON ST.</small> <small>SUITE 400</small> <small>ORLANDO, FL 32801</small> <small>PHONE 407.420.4200</small> <small>FAX 407.420.4242</small>	<small>SEMINOLE COUNTY</small> <small>ENGINEERING DIVISION</small> <small>ROLLING HILLS AREA ROADWAYS PHASE 1</small>		<p>TYPICAL SECTIONS</p>	<p>SHEET NO. 22</p>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH	01907084		
					ST., PALM SPRINGS DR.			

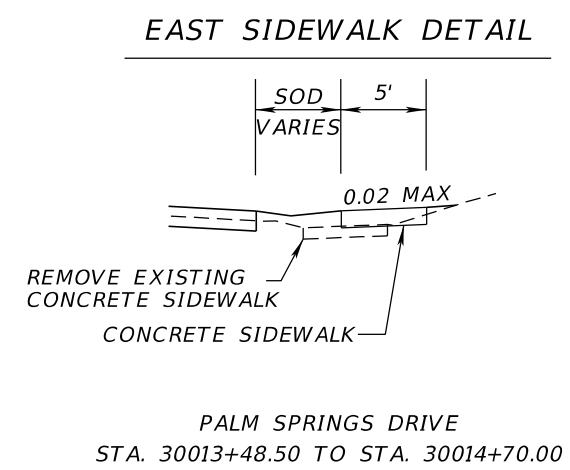


*M.E. = MATCH EXISTING CROSS SLOPE

**TYPICAL SECTION 13
PALM SPRINGS DRIVE
STA. 30013+60.00 TO STA. 30021+00.00**

MILLING
MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

RESURFACING
TYPE SP STRUCTURAL COURSE (TRAFFIC C) OVERBUILD LAYER (VARIES)
FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

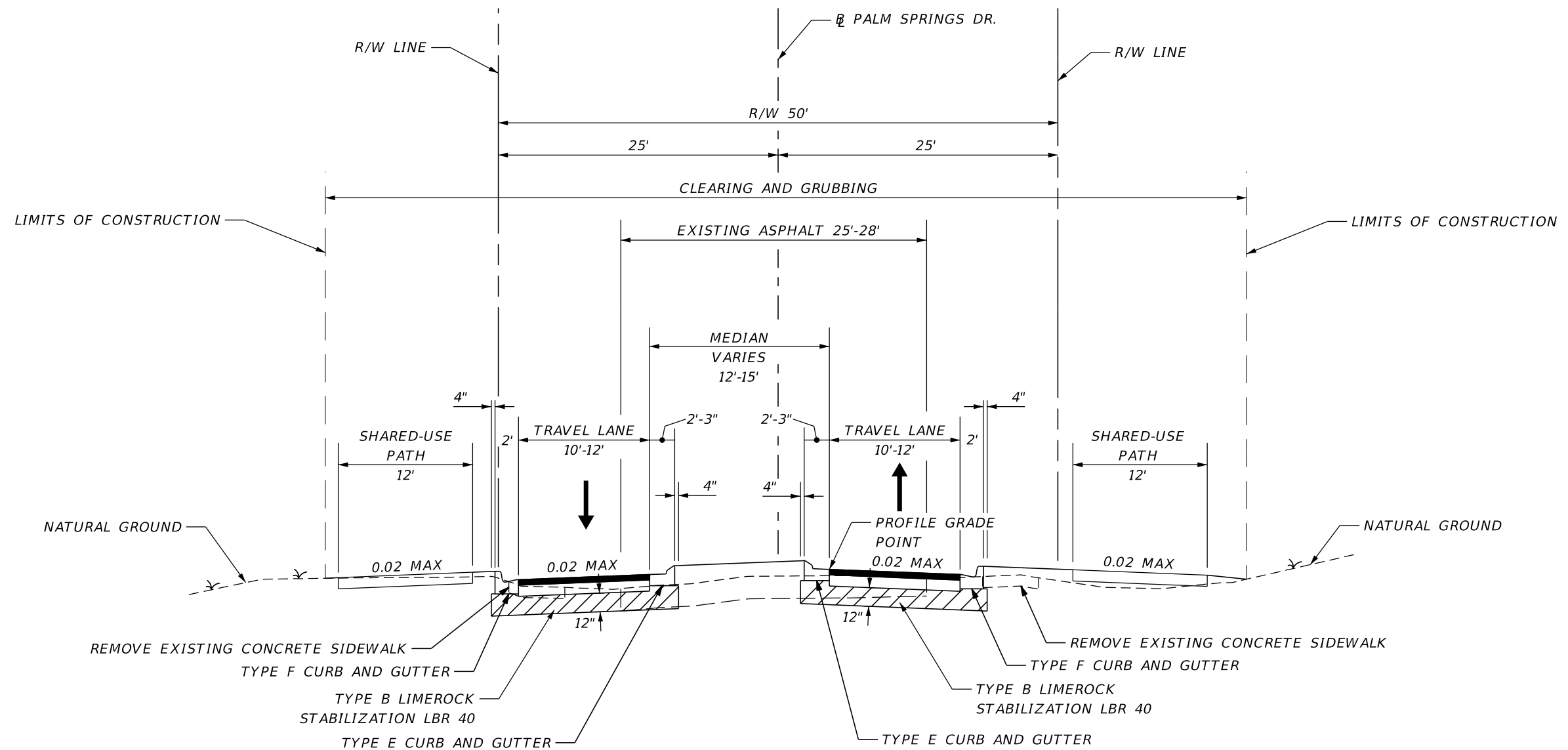


TRAFFIC DATA

DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

REVISIONS				<small>TYLER VALILA, P.E. LICENSE NO. 90792</small> HR <small>315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801</small> <small>PHONE 407.420.4200 FAX 407.420.4242</small>	<small>SEMINOLE COUNTY ENGINEERING DIVISION</small> ROLLING HILLS AREA ROADWAYS PHASE 1		TYPICAL SECTIONS	<small>SHEET NO.</small> 23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

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



TYPICAL SECTION 14
PALM SPRINGS DRIVE
 STA. 30021+00.00 TO STA. 30022+22.01
 STA. 30023+41.93 TO STA. 30029+44.06

RECONSTRUCTION

OPTIONAL BASE GROUP 8 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
 AND FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

TRAFFIC DATA

DESIGN SPEED = 25 MPH
 POSTED SPEED = 25 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



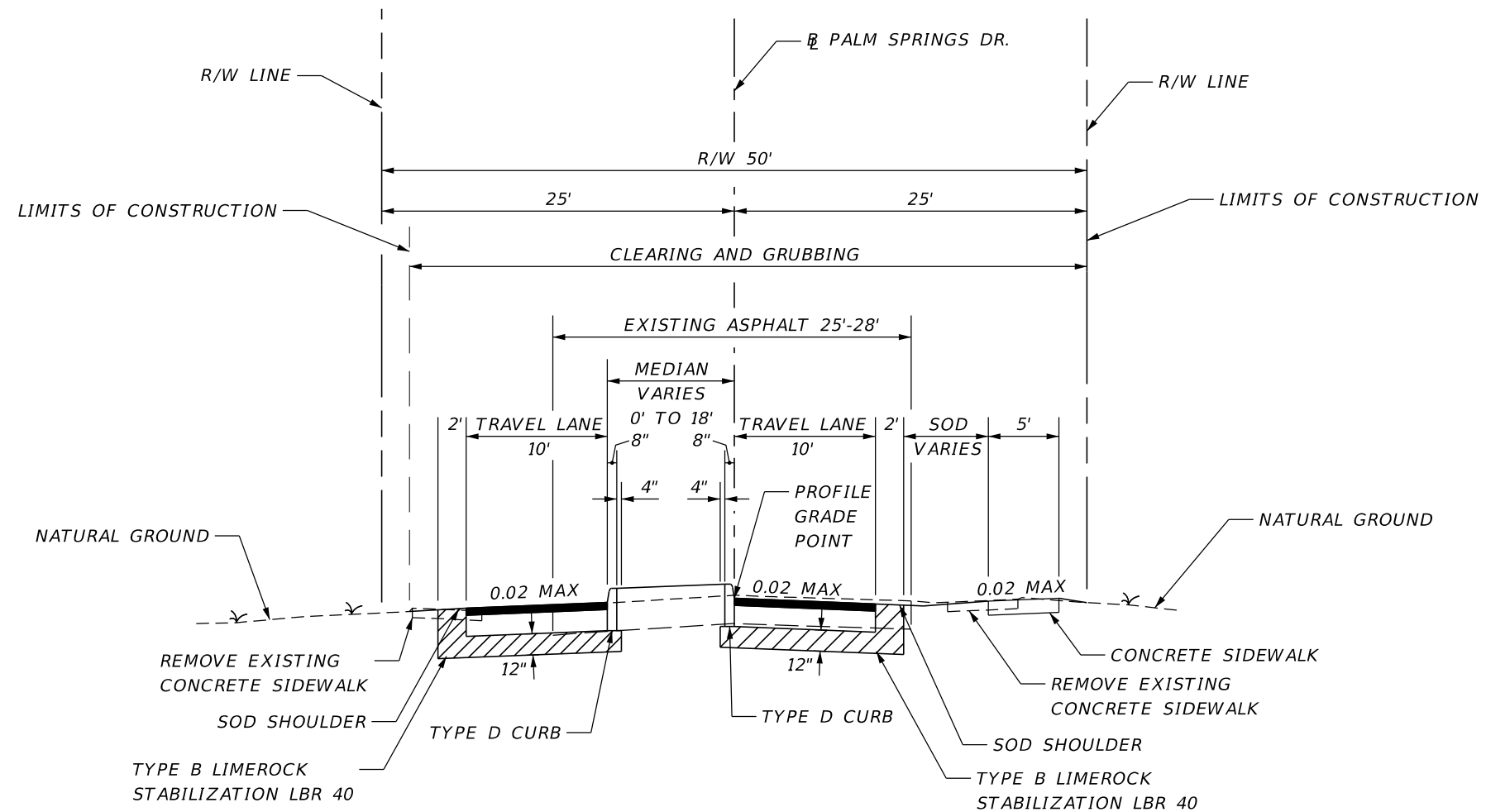
SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

TYPICAL SECTIONS

SHEET NO.

24



**TYPICAL SECTION 15
PALM SPRINGS DRIVE
STA. 30029+44.06 TO 30042+23.97**

RECONSTRUCTION
OPTIONAL BASE GROUP 8 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

TRAFFIC DATA

DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
LICENSE NO. 90792
315 E. ROBINSON ST.
SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242



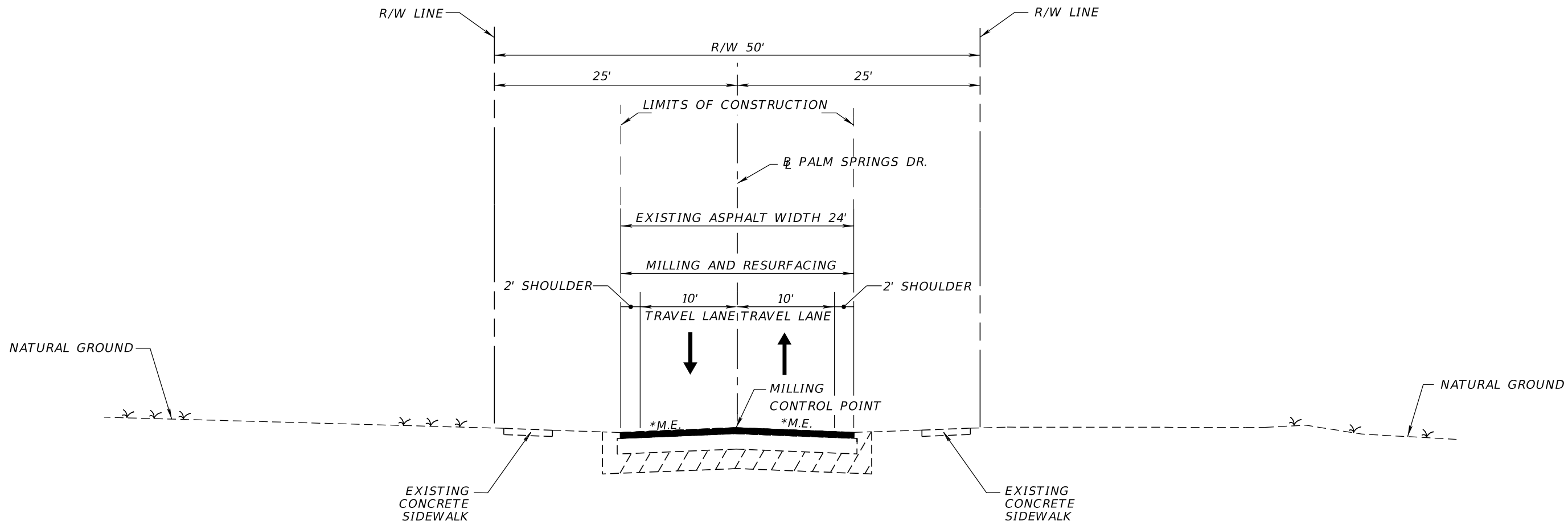
**SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1**

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

TYPICAL SECTIONS

SHEET NO.
25

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



*M.E. = MATCH EXISTING CROSS SLOPE

**TYPICAL SECTION 16
PALM SPRINGS DRIVE
STA. 30042+23.97 TO STA. 30058+48.06**


MILLING
MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

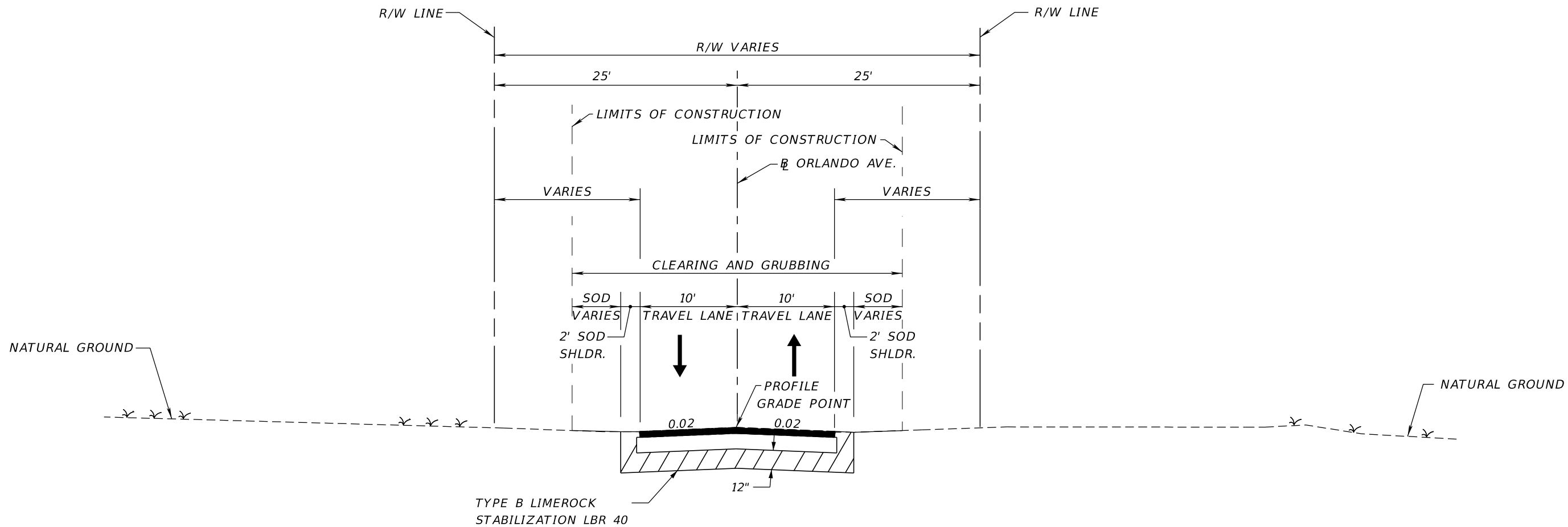
RESURFACING
FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

TRAFFIC DATA

DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

NOTE: SEE PLANS FOR LIMITS OF SIDEWALK RECONSTRUCTION

REVISIONS				<small>TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small> 	<small>SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1</small>		<p>TYPICAL SECTIONS</p>	<small>SHEET NO.</small> 26
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		



TYPICAL SECTION 17
ORLANDO AVENUE
STA. 10+00.00 TO STA. 13+99.18

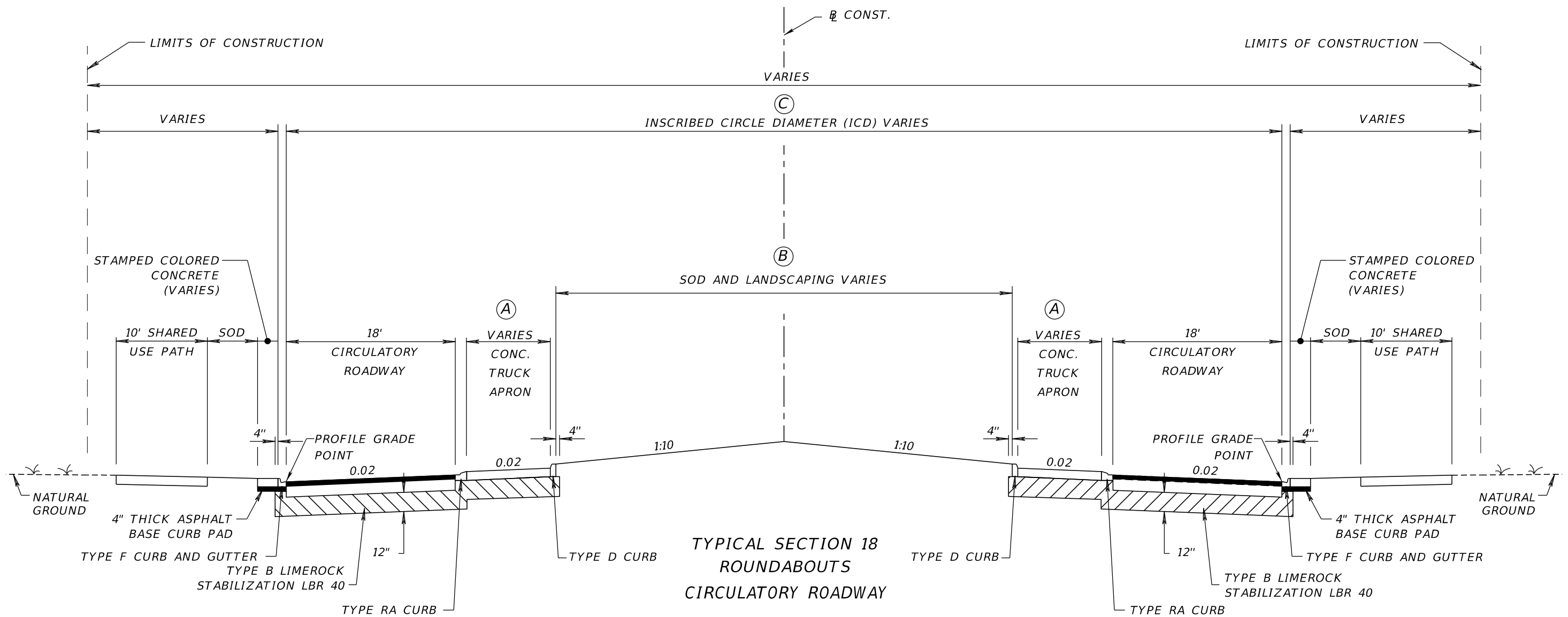
NEW CONSTRUCTION
 OPTIONAL BASE GROUP 8 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
 AND FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

TRAFFIC DATA

DESIGN SPEED = 25 MPH
 POSTED SPEED = 25 MPH

REVISIONS				TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		TYPICAL SECTIONS	SHEET NO. 27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

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



**TYPICAL SECTION 18
ROUNDABOUTS
CIRCULATORY ROADWAY**

STA. 10014+98.67 TO STA. 10020+40.00 (RAYMOND AVE / BARTON ST)
 STA. 20013+40.00 TO STA. 20018+37.21 (NORTH ST / VIRGINIA AVE)
 STA. 30022+22.01 TO STA. 30023+41.93 (PALM SPRINGS DR / STANLEY ST)

OPTIONAL BASE GROUP 8 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
 AND FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

	(A)	(B)	(C)
RAYMOND / BARTON	5'-12'	81'-128'	146'-184'
NORTH / VIRGINIA	5'-19'	88'-124'	164'-191'
PALM SPRINGS / STANLEY	5'-17'	74'-76'	140'

TRAFFIC DATA

DESIGN SPEED = 15 MPH

*NOTE: ROUNDABOUTS USE SEMINOLE COUNTY BOCC PROPERTY WHICH IS ALLOWABLE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



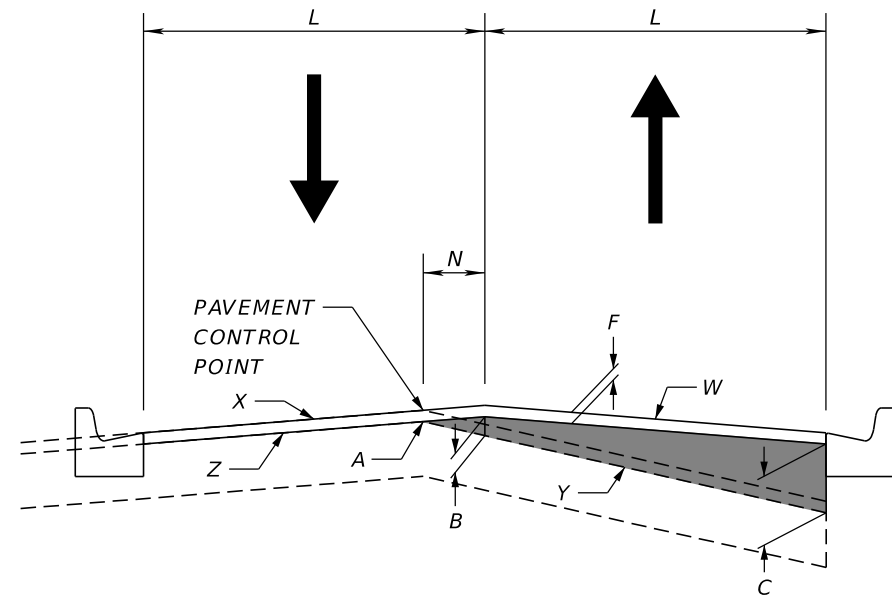
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

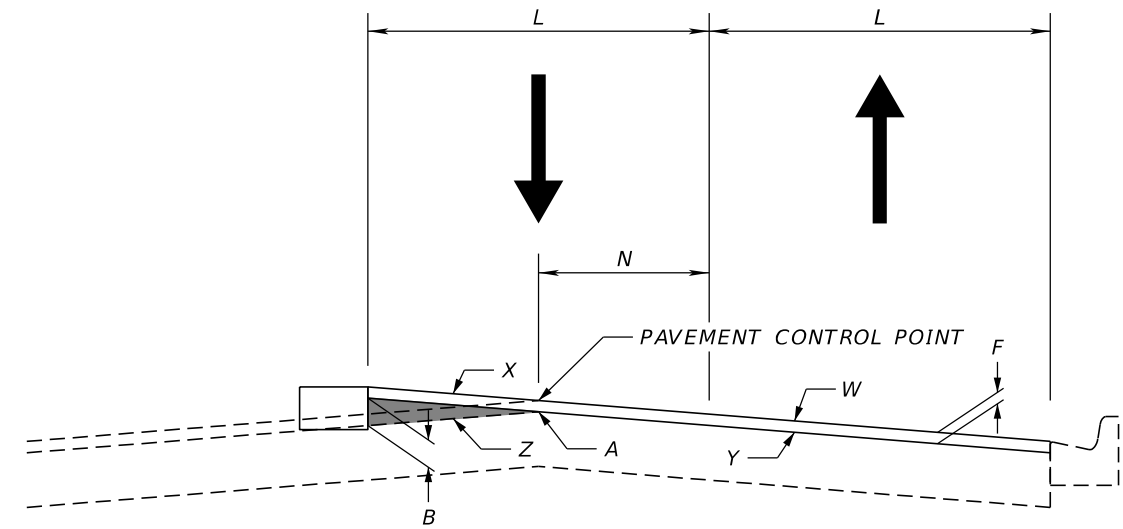
TYPICAL SECTIONS

SHEET NO.
 28

OVERBUILD TABLE														
ROADWAY	STATION LIMITS	MILL DEPTH (in)	AVG. EXIST SB CROSS SLOPE "Z" (%)	AVG. PROP CROSS SLOPE "X" (%)	AVG. EXIST NB CROSS SLOPE "Y" (%)	AVG. PROP CROSS SLOPE "W" (%)	AVG. CENTER LANE LINE OFFSET "N" (ft)	LANE WIDTH "L" (ft)	DEPTH OF OVERBUILD LOCATION "A" (in)	DEPTH OF OVERBUILD LOCATION "B" (in)	DEPTH OF OVERBUILD LOCATION "C" (in)	AVG. DEPTH OF OVERBUILD A-B (in)	AVG. DEPTH OF OVERBUILD B-C (in)	FRICTION COURSE THICKNESS "F" (in)
RAYMOND AVE	10000+40.00 TO 10001+75.00	2.00	-2.0%	-2.0%	-6.0%	-4.0%	2.00	10.00	0.00	1.92	3.84	0.96	2.88	2.00
RAYMOND AVE	10001+75.00 TO 10005+60.00	2.00	-2.0%	-2.0%	-2.0%	-3.7%	3.00	10.00	0.00	1.44	0.00	0.72	0.72	2.00
RAYMOND AVE	10005+60.00 TO 10014+98.67	2.00	-2.0%	2.0%	-3.0%	-3.0%	5.00	10.00	0.00	2.40	N/A	1.20	N/A	2.00



STA. 10000+40.00 TO STA. 10005+60.00



STA. 10005+60.00 TO STA. 10014+98.67

RAYMOND AVENUE OVERBUILD DETAIL

MILLING

MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC C) OVERBUILD LAYER (VARIES)

FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

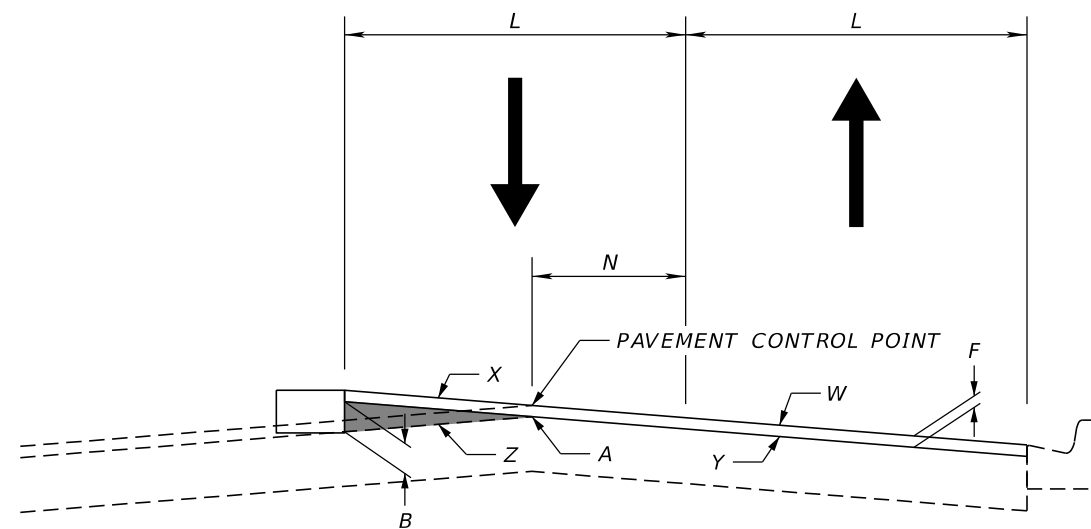


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

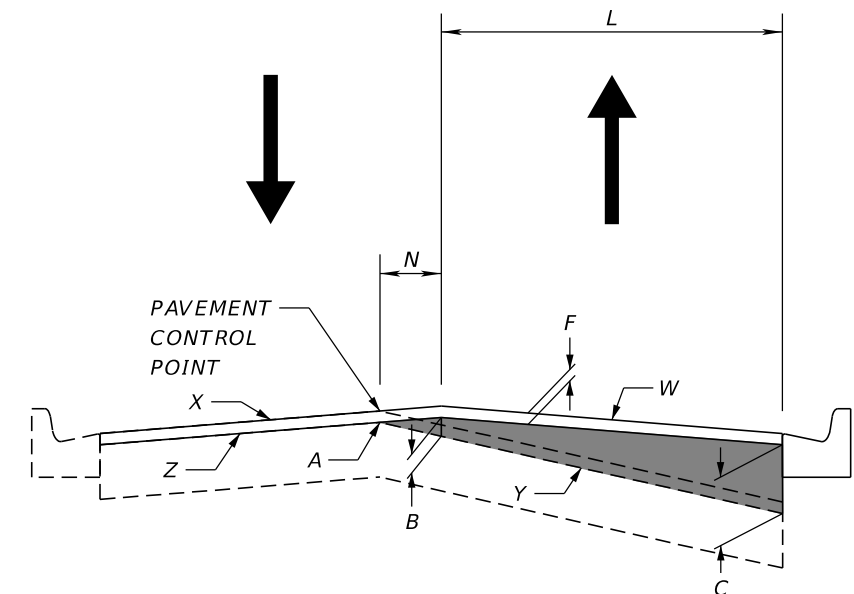
TYPICAL SECTIONS
 DETAILS

SHEET NO.
 29

OVERBUILD TABLE															
ROADWAY	STATION LIMITS		MILL DEPTH (in)	AVG. EXIST WB CROSS SLOPE "Z" (%)	AVG. PROP CROSS SLOPE "X" (%)	AVG. EXIST EB CROSS SLOPE "Y" (%)	AVG. PROP CROSS SLOPE "W" (%)	AVG. CENTER LANE LINE OFFSET "N" (ft)	LANE WIDTH "L" (ft)	DEPTH OF OVERBUILD LOCATION "A" (in)	DEPTH OF OVERBUILD LOCATION "B" (in)	DEPTH OF OVERBUILD LOCATION "C" (in)	AVG. DEPTH OF OVERBUILD A-B (in)	AVG. DEPTH OF OVERBUILD B-C (in)	FRICTION COURSE THICKNESS "F" (in)
NORTH ST	20018+37.21 TO	20030+20.00	2.00	-3.5%	2.0%	-3.5%	-3.5%	4.50	10.00	0.00	3.63	N/A	1.82	N/A	2.00
NORTH ST	20038+56.00 TO	20039+00.00	2.00	-4.0%	-4.0%	-4.1%	-3.5%	0.00	14.70	0.00	0.00	1.01	0.00	0.51	2.00
NORTH ST	20039+00.00 TO	20039+40.00	2.00	-4.2%	-4.2%	-3.9%	-3.4%	0.00	14.70	0.00	0.00	1.01	0.00	0.51	2.00



STA. 20018+37.21 TO STA. 20030+20.00



STA. 20038+56.00 TO STA. 20039+40.00

NORTH STREET OVERBUILD DETAIL

MILLING

MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC C) OVERBUILD LAYER (VARIES)

FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST. SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

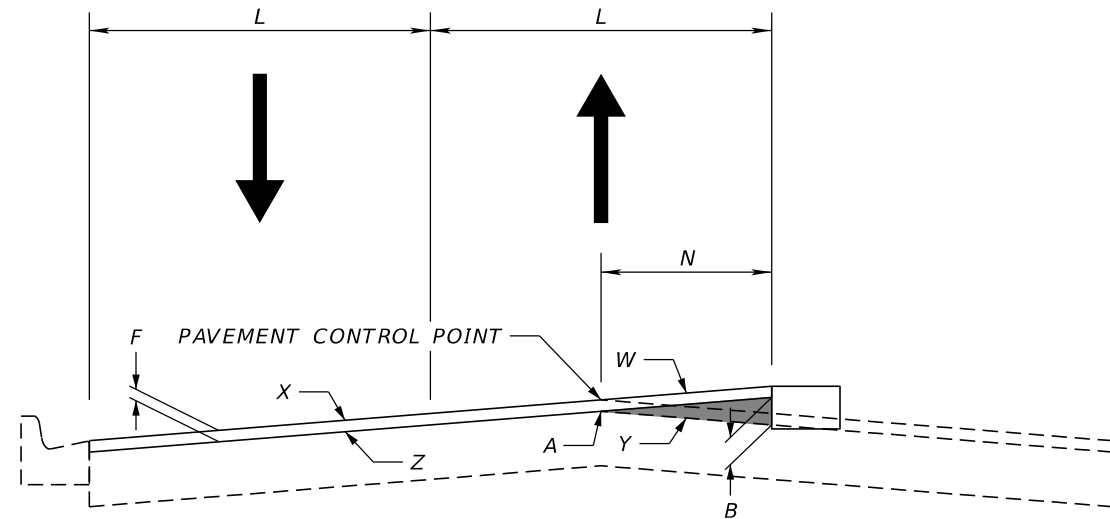


SEMINOLE COUNTY ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

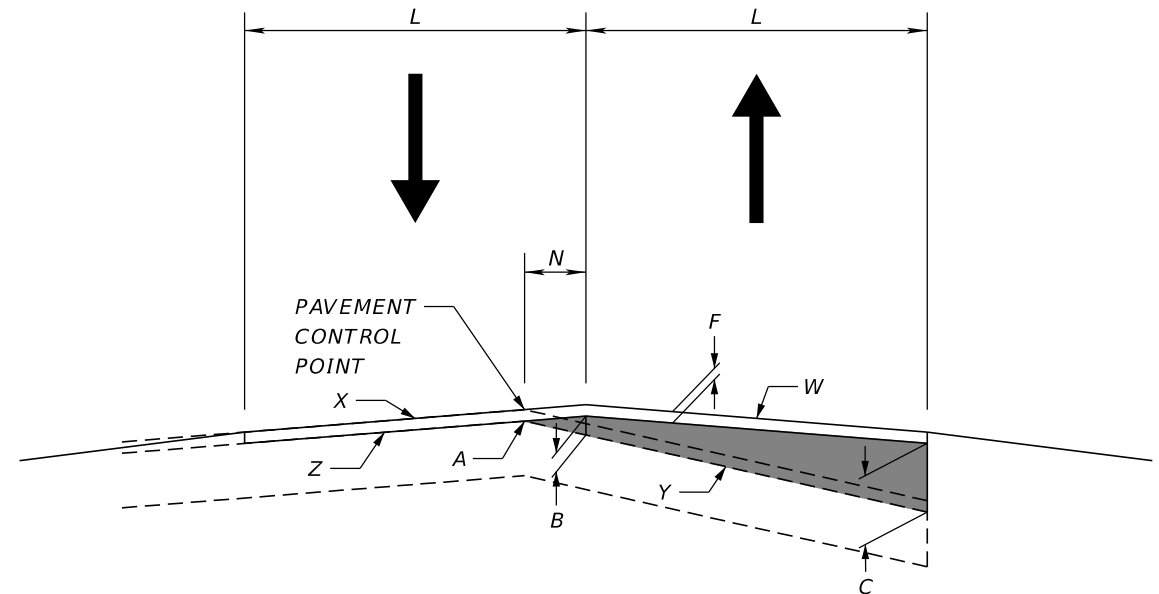
TYPICAL SECTIONS DETAILS

SHEET NO. 30

OVERBUILD TABLE														
ROADWAY	STATION LIMITS	MILL DEPTH (in)	AVG. EXIST SB CROSS SLOPE "Z" (%)	AVG. PROP CROSS SLOPE "X" (%)	AVG. EXIST NB CROSS SLOPE "Y" (%)	AVG. PROP CROSS SLOPE "W" (%)	AVG. CENTER LANE LINE OFFSET "N" (ft)	LANE WIDTH "L" (ft)	DEPTH OF OVERBUILD LOCATION "A" (in)	DEPTH OF OVERBUILD LOCATION "B" (in)	DEPTH OF OVERBUILD LOCATION "C" (in)	AVG. DEPTH OF OVERBUILD A-B (in)	AVG. DEPTH OF OVERBUILD B-C (in)	FRICTION COURSE THICKNESS "F" (in)
PALM SPRINGS DR	30007+00.00 TO 30010+60.00	2.00	-3.0%	-3.0%	-3.0%	2.0%	5.00	10.00	0.00	3.00	N/A	1.50	N/A	2.00
PALM SPRINGS DR	30013+60.00 TO 30021+00.00	2.00	-4.0%	-4.0%	-3.0%	-3.0%	3.00	10.00	0.00	2.52	2.52	1.26	2.52	2.00



STA. 30007+00.00 TO STA. 30010+60.00



STA. 30013+60.00 TO STA. 30021+00.00

PALM SPINGS DRIVE OVERBUILD DETAIL

MILLING

MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC C) OVERBUILD LAYER (VARIES)

FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST. SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



SEMINOLE COUNTY ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

TYPICAL SECTIONS DETAILS

SHEET NO. 31



XX = PLAN-PROFILE SHEET #

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

PROJECT LAYOUT

SHEET NO.
 32

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

COORDINATE AND CURVE DATA

Baseline Name:		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Point: 5000	P.I.	500+00.00	1,583,273.7540	532,655.0002		N 25° 32' 34.43" E								
Curve: BERN_EXT_EX1	P.I.	500+92.99	1,583,357.6576	532,695.0973	N 25° 32' 34.43" E	N 1° 36' 49.20" W	27° 09' 23.63" (LT)	63° 39' 43.12"	21.7372	42.6574	90.0000	15	0.05	0.02
	P.C.	500+71.26	1,583,338.0450	532,685.7246										
	P.T.	501+13.91	1,583,379.3862	532,694.4852										
	C.C.		1,583,376.8518	532,604.5209										
Point: 5001	P.I.	501+77.19	1,583,442.6382	532,692.7033	N 1° 36' 49.20" W									

COORDINATE AND CURVE DATA

Baseline Name:		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Point: N01	P.I.	20000+00.00	1,581,460.8529	532,062.3210		N 89° 45' 51.29" E								
Point: N02	P.I.	20003+00.00	1,581,459.6185	532,362.3185		N 89° 58' 02.95" E								
Point: N03	P.I.	20008+13.67	1,581,459.9100	532,875.9843		N 89° 58' 03.02" E								
Point: N04	P.I.	20029+40.19	1,581,461.1160	535,002.5090		N 89° 56' 31.45" E								
Point: N05	P.I.	20046+00.00	1,581,462.7942	536,662.3172										

COORDINATE AND CURVE DATA

Baseline Name:		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Point: PS01	P.I.	30000+00.00	1,580,962.4988	536,316.4828		N 0° 44' 52.83" E								
Point: PS02	P.I.	30005+00.00	1,581,462.4515	536,323.0102		N 0° 00' 13.28" W								
Point: PS03	P.I.	30012+47.53	1,582,209.9846	536,322.9621		N 31° 23' 17.96" E								
Point: PS04	P.I.	30021+64.59	1,582,992.8372	536,800.5984		N 38° 08' 09.55" E								
Point: PS05	P.I.	30027+51.20	1,583,454.2368	537,162.8500		N 0° 01' 55.59" E								
Point: PS06	P.I.	30039+62.26	1,584,665.2943	537,163.5287		N 23° 11' 11.40" W								
Point: PS07	P.I.	30044+18.25	1,585,084.4524	536,983.9942		N 0° 06' 21.52" W								
Point: PS08	P.I.	30055+28.69	1,586,194.8956	536,981.9402		N 0° 06' 21.54" W								
Point: PS09	P.I.	30059+36.43	1,586,602.6324	536,981.1860										

COORDINATE AND CURVE DATA

Baseline Name:		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Point: 4000	P.I.	39999+40.00	1,581,545.1520	532,708.1176		N 10° 34' 11.96" W								
Point: 4001	P.I.	40008+10.00	1,582,439.7136	532,541.1899										

COORDINATE AND CURVE DATA

Baseline Name:		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Point: S100	P.I.	10+00.00	1,584,010.8344	531,533.8224		N 56° 47' 00.43" E								
Point: S101	P.I.	19+75.00	1,584,544.9452	532,349.5151		N 56° 48' 17.00" E								
Point: S102	P.I.	48+41.14	1,586,114.1404	534,747.9281		N 57° 14' 49.26" E								
Curve: BL_SR4341	P.I.	57+15.49	1,586,587.1774	535,483.2623	N 57° 14' 49.26" E	N 89° 11' 06.46" E	31° 56' 17.20" (RT)	3° 00' 02.01"	546.4257	1,064.4059	1,909.5045	40		
	P.C.	51+69.06	1,586,291.5511	535,023.7124										
	P.T.	62+33.47	1,586,594.9485	536,029.6327										
	C.C.		1,584,685.6371	536,056.7892										
Point: S103	P.I.	65+41.56	1,586,599.3300	536,337.6888		N 89° 42' 21.46" E								
Curve: BL_SR4342	P.I.	103+50.37	1,586,618.8765	540,146.4556	N 89° 42' 21.46" E	S 89° 06' 22.77" E	1° 11' 15.77" (RT)	0° 29' 45.20"	119.7600	239.5114	11,554.1252	40		
	P.C.	102+30.61	1,586,618.2619	540,026.6972										
	P.T.	104+70.12	1,586,617.0087	540,266.2010										
	C.C.		1,575,064.2889	540,085.9920										
Point: S104	P.I.	113+23.27	1,586,603.7021	541,119.2473	S 89° 06' 22.77" E									

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



**SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1**

ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

PROJECT CONTROL

SHEET NO.
33

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

COORDINATE AND CURVE DATA

Baseline Name:		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Point: R01	P.I.	10000+00.00	1,581,459.6185	532,362.3185		N 0° 03' 47.13" W								
Point: R02	P.I.	10019+73.88	1,583,433.4942	532,360.1450		N 0° 03' 47.13" W								
Point: R03	P.I.	10026+29.98	1,584,089.5967	532,359.4225		N 0° 04' 57.40" W								
Curve: BL_RAYMOND1	P.I.	10029+12.26	1,584,371.8756	532,359.0155	N 0° 04' 57.40" W	N 33° 19' 25.70" W	33° 14' 28.30" (LT)	17° 06' 48.37"	99.9393	194.2403	334.8000	25	0.05	NC
	P.C.	10028+12.32	1,584,271.9364	532,359.1596										
	P.T.	10030+06.56	1,584,455.3828	532,304.1119										
	C.C.		1,584,271.4537	532,024.3599										
Point: R04	P.I.	10030+56.62	1,584,497.2603	532,276.6907										

COORDINATE AND CURVE DATA

Baseline Name:		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Curve: PS_HOR_DEF1	P.I.	11+31.49	1,583,435.6349	537,165.7422	N 35° 37' 48.49" E	N 0° 00' 48.88" W	35° 38' 37.37" (LT)	14° 00' 31.49"	131.4877	254.4390	409.0000	25	0.05	-0.02
	P.C.	10+00.00	1,583,328.7625	537,089.1440										
	P.T.	12+54.44	1,583,567.1226	537,165.7111										
	C.C.		1,583,567.0257	536,756.7111										
Point: 20001	P.I.	15+70.62	1,583,883.3031	537,165.6361	N 0° 00' 48.88" W	N 10° 37' 09.46" W								
Point: 20002	P.I.	16+52.12	1,583,963.4072	537,150.6171		N 0° 00' 48.88" W								
Point: 20003	P.I.	18+21.63	1,584,132.9165	537,150.5770		N 10° 48' 21.37" E								
Point: 20004	P.I.	18+86.72	1,584,196.8506	537,162.7799		N 3° 20' 06.74" E								
Point: 20005	P.I.	19+34.34	1,584,244.3938	537,165.5506		N 0° 00' 48.88" W								
Curve: PS_HOR_DEF2	P.I.	23+64.40	1,584,674.4547	537,165.4486	N 0° 00' 48.88" W	N 22° 20' 39.44" W	22° 19' 50.56" (LT)	13° 12' 06.45"	85.6616	169.1491	434.0000	25	0.05	-0.02
	P.C.	22+78.74	1,584,588.7931	537,165.4689										
	P.T.	24+47.89	1,584,753.6846	537,132.8826										
	C.C.		1,584,588.6903	536,731.4690										
Point: 20006	P.I.	24+93.93	1,584,793.0378	537,108.9785	N 22° 20' 39.44" W	24° 59' 53.51" W								
Point: 20007	P.I.	25+69.36	1,584,861.3998	537,077.1034		24° 59' 53.51" W								
Point: 20008	P.I.	26+16.69	1,584,904.2945	537,057.1029										

COORDINATE AND CURVE DATA

Baseline Name:		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Point: 10000	P.I.	10+00.00	1,583,547.2709	537,024.4598		23° 11' 33.07" E								
Curve: BL_ORL_REAL1	P.I.	10+36.48	1,583,513.7435	537,038.8245	S 23° 11' 33.07" E	S 81° 18' 02.60" E	58° 06' 29.53" (LT)	95° 29' 34.68"	33.3326	60.8508	60.0000	15	0.05	0.02
	P.C.	10+03.14	1,583,544.3824	537,025.6974										
	P.T.	10+63.99	1,583,508.7020	537,071.7737										
	C.C.		1,583,568.0117	537,080.8486										
Curve: BL_ORL_REAL2	P.I.	13+37.41	1,583,467.3476	537,342.0489	S 81° 18' 02.60" E	S 34° 13' 21.83" E	47° 04' 40.76" (RT)	35° 48' 35.50"	69.6995	131.4665	160.0000	15	0.05	0.02
	P.C.	12+67.71	1,583,477.8895	537,273.1513										
	P.T.	13+99.18	1,583,409.7160	537,381.2487										
	C.C.		1,583,319.7302	537,248.9515										

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST. SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
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**SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1**

ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

PROJECT CONTROL

SHEET NO.
34


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

COORDINATE AND CURVE DATA

Baseline Name:		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Point: 6000	P.I.	100+00.00	1,581,448.6610	533,318.4730		89° 59' 13.94" E								
Point: 6001	P.I.	100+49.26	1,581,448.6500	533,367.7300		89° 00' 18.39" E								
Curve: RAB_NOR_EB_EX1	P.I.	101+54.06	1,581,446.8303	533,472.5134	S 89° 00' 18.39" E	N 61° 49' 18.14" E	29° 10' 23.47" (LT)	32° 44' 25.60"	45.5404	89.1044	175.0000	15	0.05	0.02
	P.C.	101+08.52	1,581,447.6211	533,426.9799										
	P.T.	101+97.62	1,581,468.3353	533,512.6564										
	C.C.		1,581,622.5947	533,430.0185										
Curve: RAB_NOR_EB_EX2	P.I.	102+60.75	1,581,498.1469	533,568.3055	N 61° 49' 18.14" E	N 79° 05' 47.00" E	17° 16' 28.86" (RT)	114° 35' 29.61"	7.5951	15.0750	50.0000	15	0.05	0.02
	P.C.	102+53.16	1,581,494.5604	533,561.6106										
	P.T.	102+68.23	1,581,499.5836	533,575.7635										
	C.C.		1,581,450.4863	533,585.2214										
Curve: RAB_NOR_EB_EX3	P.I.	102+86.97	1,581,503.1273	533,594.1594	N 79° 05' 47.00" E	S 85° 39' 36.53" E	15° 14' 36.47" (RT)	40° 55' 32.00"	18.7340	37.2468	140.0000	15	0.05	0.02
	P.C.	102+68.23	1,581,499.5836	533,575.7635										
	P.T.	103+05.48	1,581,501.7096	533,612.8397										
	C.C.		1,581,362.1111	533,602.2456										
Curve: RAB_NOR_EB_EX4	P.I.	103+20.46	1,581,500.5762	533,627.7748	S 85° 39' 36.53" E	S 52° 18' 28.25" E	33° 21' 08.28" (RT)	114° 35' 29.61"	14.9780	29.1054	50.0000	15	0.05	0.02
	P.C.	103+05.48	1,581,501.7096	533,612.8397										
	P.T.	103+34.58	1,581,491.4184	533,639.6270										
	C.C.		1,581,451.8530	533,609.0561										
Curve: RAB_NOR_EB_EX5	P.I.	103+62.22	1,581,474.5187	533,661.4988	S 52° 18' 28.25" E	S 7° 28' 18.48" E	44° 50' 09.76" (RT)	85° 30' 57.92"	27.6401	52.4300	67.0000	15	0.05	0.02
	P.C.	103+34.58	1,581,491.4184	533,639.6270										
	P.T.	103+87.01	1,581,447.1133	533,665.0931										
	C.C.		1,581,438.4008	533,598.6620										
Point: 6002	P.I.	104+45.26	1,581,389.3640	533,672.6670	S 7° 28' 18.48" E									

COORDINATE AND CURVE DATA

Baseline Name:		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Curve: RAB_NOR_IC_EX1	P.I.	500+16.04	1,581,495.5638	533,648.5219	S 79° 43' 53.32" E	S 63° 25' 46.64" E	16° 18' 06.67" (RT)	51° 09' 25.01"	16.0415	31.8664	112.0000	15	0.05	0.02
	P.C.	500+00.00	1,581,498.4233	533,632.7373										
	P.T.	500+31.87	1,581,488.3884	533,662.8692										
	C.C.		1,581,388.2172	533,612.7720										
Curve: RAB_NOR_IC_EX2	P.I.	504+67.29	1,581,293.6269	534,052.3018	S 63° 25' 46.64" E	N 45° 09' 49.12" W	161° 44' 02.47" (LT)	81° 51' 04.01"	435.4191	197.5954	70.0000	15	0.05	0.02
	P.C.	500+31.87	1,581,488.3884	533,662.8692										
	P.T.	502+29.46	1,581,600.6341	533,743.5359										
	C.C.		1,581,550.9954	533,694.1800										
Curve: RAB_NOR_IC_EX3	P.I.	502+93.05	1,581,645.4681	533,698.4450	N 45° 09' 49.12" W	S 82° 00' 09.15" W	52° 50' 01.73" (LT)	44° 45' 44.38"	63.5868	118.0319	128.0000	15	0.05	0.02
	P.C.	502+29.46	1,581,600.6341	533,743.5359										
	P.T.	503+47.49	1,581,636.6214	533,635.4766										
	C.C.		1,581,509.8663	533,653.2851										
Curve: RAB_NOR_IC_EX4	P.I.	507+60.87	1,581,579.1084	533,226.1185	S 82° 00' 09.15" W	S 78° 46' 31.04" E	160° 46' 40.19" (LT)	81° 51' 04.01"	413.3785	196.4272	70.0000	15	0.05	0.02
	P.C.	503+47.49	1,581,636.6214	533,635.4766										
	P.T.	505+43.92	1,581,498.6412	533,631.5896										
	C.C.		1,581,567.3022	533,645.2156										

REVISIONS				TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242		SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1 ROAD COUNTY CIP No. RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084	PROJECT CONTROL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					35


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

COORDINATE AND CURVE DATA

Baseline Name:		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Curve: RAB_NOR_ICD_E1	P.I.	504+35.42	1,581,293.6269	534,052.3018	S 63° 25' 46.64" E	N 45° 09' 49.12" W	161° 44' 02.47" (LT)	81° 51' 04.01"	435.4191	197.5954	70.0000	15	0.05	0.02
	P.C.	500+00.00	1,581,488.3884	533,662.8692										
	P.T.	501+97.60	1,581,600.6341	533,743.5359										
	C.C.		1,581,550.9954	533,694.1800										
Curve: RAB_NOR_ICD_E2	P.I.	502+61.18	1,581,645.4681	533,698.4450	N 45° 09' 49.12" W	S 82° 00' 09.15" W	52° 50' 01.73" (LT)	44° 45' 44.38"	63.5868	118.0319	128.0000	15	0.05	0.02
	P.C.	501+97.60	1,581,600.6341	533,743.5359										
	P.T.	503+15.63	1,581,636.6214	533,635.4766										
	C.C.		1,581,509.8663	533,653.2851										
Curve: RAB_NOR_ICD_E3	P.I.	507+51.05	1,581,576.0419	533,204.2923	S 82° 00' 09.15" W	S 79° 43' 53.32" E	161° 44' 02.47" (LT)	81° 51' 04.01"	435.4191	197.5954	70.0000	15	0.05	0.02
	P.C.	503+15.63	1,581,636.6214	533,635.4766										
	P.T.	505+13.22	1,581,498.4233	533,632.7373										
	C.C.		1,581,567.3022	533,645.2156										
Curve: RAB_NOR_ICD_E4	P.I.	505+29.26	1,581,495.5638	533,648.5219	S 79° 43' 53.32" E	S 63° 25' 46.64" E	16° 18' 06.67" (RT)	51° 09' 25.01"	16.0415	31.8664	112.0000	15	0.05	0.02
	P.C.	505+13.22	1,581,498.4233	533,632.7373										
	P.T.	505+45.09	1,581,488.3884	533,662.8692										
	C.C.		1,581,388.2172	533,612.7720										

COORDINATE AND CURVE DATA


Baseline Name:		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Point: 7000	P.I.	200+00.00	1,581,389.1067	533,693.9485		N 0° 41' 33.51" E								
Curve: RAB_NOR_NB_EX1	P.I.	200+16.15	1,581,405.2527	533,694.1437	N 0° 41' 33.51" E	N 9° 35' 57.61" E	8° 54' 24.10" (RT)	38° 11' 49.87"	11.6824	23.3177	150.0000	15	0.05	0.02
	P.C.	200+04.46	1,581,393.5712	533,694.0025										
	P.T.	200+27.78	1,581,416.7715	533,696.0919										
	C.C.		1,581,391.7579	533,843.9916										
Curve: RAB_NOR_NB_EX2	P.I.	200+78.25	1,581,466.5329	533,704.5078	N 9° 35' 57.61" E	N 46° 41' 24.55" E	37° 05' 26.94" (RT)	88° 08' 50.47"	21.8060	42.0782	65.0000	15	0.05	0.02
	P.C.	200+56.44	1,581,445.0322	533,700.8715										
	P.T.	200+98.52	1,581,481.4905	533,720.3750										
	C.C.		1,581,434.1930	533,764.9613										
Curve: RAB_NOR_NB_EX3	P.I.	201+22.64	1,581,498.2422	533,737.7228	N 46° 00' 05.64" E	S 73° 37' 18.52" E	60° 22' 35.83" (RT)	138° 12' 51.65"	24.1157	43.6833	41.4543	15	0.05	0.02
	P.C.	200+98.52	1,581,481.4905	533,720.3750										
	P.T.	201+42.21	1,581,491.4422	533,760.8599										
	C.C.		1,581,451.6700	533,749.1708										
Curve: RAB_NOR_NB_EX4	P.I.	201+67.40	1,581,484.2432	533,785.0030	S 73° 23' 47.77" E	S 61° 53' 15.30" E	11° 30' 32.46" (RT)	22° 55' 05.92"	25.1935	50.2176	250.0000	15	0.05	0.02
	P.C.	201+42.21	1,581,491.4422	533,760.8599										
	P.T.	201+92.42	1,581,472.3719	533,807.2243										
	C.C.		1,581,251.8657	533,689.4236										
Curve: RAB_NOR_NB_EX5	P.I.	201+94.59	1,581,471.3515	533,809.1345	S 61° 53' 15.30" E	S 56° 55' 38.68" E	4° 57' 36.62" (RT)	114° 35' 29.64"	2.1656	4.3286	50.0000	15	0.05	0.02
	P.C.	201+92.42	1,581,472.3719	533,807.2243										
	P.T.	201+96.75	1,581,470.1697	533,810.9492										
	C.C.		1,581,428.2707	533,783.6642										
Curve: RAB_NOR_NB_EX6	P.I.	202+41.34	1,581,445.8384	533,848.3124	S 56° 55' 38.68" E	N 89° 57' 49.17" E	33° 06' 32.15" (LT)	38° 11' 49.87"	44.5872	86.6790	150.0000	15	0.05	0.02
	P.C.	201+96.75	1,581,470.1697	533,810.9492										
	P.T.	202+83.43	1,581,445.8667	533,892.8996										
	C.C.		1,581,595.8667	533,892.8044										
Point: 7001	P.I.	203+90.43	1,581,445.9346	533,999.8991										

REVISIONS				 TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		PROJECT CONTROL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		36
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

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

COORDINATE AND CURVE DATA


Baseline Name: RAB_NOR_SB_EX		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Curve: RAB_NOR_SB_EX1	P.I.	400+37.23	1,581,742.2061	533,494.7246	S 1° 34' 30.20" W	S 7° 53' 03.69" E	9° 27' 33.89" (LT)	12° 43' 56.62"	37.2316	74.2941	450.0000	15	0.05	0.02
	P.C.	400+00.00	1,581,779.4237	533,495.7479										
	P.T.	400+74.29	1,581,705.3264	533,499.8318										
	C.C.		1,581,767.0548	533,945.5779										
Curve: RAB_NOR_SB_EX2	P.I.	401+10.29	1,581,669.6692	533,504.7697	S 7° 53' 03.69" E	S 47° 28' 13.66" E	39° 35' 09.97" (LT)	57° 16' 53.49"	35.9975	69.1080	100.0249	15	0.05	0.02
	P.C.	400+74.29	1,581,705.3264	533,499.8318										
	P.T.	401+43.40	1,581,645.3360	533,531.2973										
	C.C.		1,581,719.0472	533,598.9111										
Curve: RAB_NOR_SB_EX3	P.I.	401+93.78	1,581,611.2848	533,568.4192	S 47° 28' 13.66" E	S 10° 57' 57.09" E	36° 30' 16.58" (RT)	76° 23' 39.74"	24.7346	47.7844	75.0000	15	0.05	0.02
	P.C.	401+69.04	1,581,628.0047	533,550.1915										
	P.T.	402+16.83	1,581,587.0018	533,573.1243										
	C.C.		1,581,572.7350	533,499.4938										
Curve: RAB_NOR_SB_EX4	P.I.	402+21.79	1,581,582.1314	533,574.0680	S 10° 57' 57.09" E	S 0° 22' 00.20" W	11° 19' 57.29" (RT)	114° 35' 29.61"	4.9610	9.8895	50.0000	15	0.05	0.02
	P.C.	402+16.83	1,581,587.0018	533,573.1243										
	P.T.	402+26.72	1,581,577.1706	533,574.0363										
	C.C.		1,581,577.4906	533,524.0373										
Curve: RAB_NOR_SB_EX5	P.I.	402+46.43	1,581,557.4556	533,573.9101	S 0° 22' 00.20" W	S 52° 50' 33.96" W	52° 28' 33.76" (RT)	143° 14' 22.02"	19.7154	36.6352	40.0000	15	0.05	0.02
	P.C.	402+26.72	1,581,577.1706	533,574.0363										
	P.T.	402+63.35	1,581,545.5474	533,558.1973										
	C.C.		1,581,577.4266	533,534.0371										
Curve: RAB_NOR_SB_EX6	P.I.	403+11.76	1,581,516.3055	533,519.6128	S 52° 50' 33.96" W	S 61° 49' 18.14" W	8° 58' 44.18" (RT)	57° 17' 44.81"	7.8517	15.6712	100.0000	15	0.05	0.02
	P.C.	403+03.91	1,581,521.0479	533,525.8704										
	P.T.	403+19.58	1,581,512.5978	533,512.6916										
	C.C.		1,581,600.7460	533,465.4700										
Curve: RAB_NOR_SB_EX7	P.I.	404+03.64	1,581,472.9047	533,438.5969	S 61° 49' 18.14" W	S 89° 51' 44.11" W	28° 02' 25.97" (RT)	22° 55' 05.92"	62.4260	122.3500	250.0000	15	0.05	0.02
	P.C.	403+41.21	1,581,502.3833	533,493.6243										
	P.T.	404+63.56	1,581,472.7546	533,376.1711										
	C.C.		1,581,722.7539	533,375.5701										
Point: 9001	P.I.	405+20.79	1,581,472.6170	533,318.9410	S 89° 51' 44.11" W									

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p align="center">TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</p> 	<p align="center">SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1</p> <table border="1"> <tr> <th>ROAD</th> <th>COUNTY CIP No.</th> </tr> <tr> <td>RAYMOND AVE., NORTH ST., PALM SPRINGS DR.</td> <td>01907084</td> </tr> </table>	ROAD	COUNTY CIP No.	RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084	<p align="center">PROJECT CONTROL</p>	<p align="center">SHEET NO.</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																
ROAD	COUNTY CIP No.																		
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084																		
		<p align="center">37</p>																	

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

COORDINATE AND CURVE DATA

Baseline Name:		RAB_NOR_WB_EX			Coordinates		Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e		
Point: 8000	P.I.	300+00.00	1,581,465.9871	533,999.4042		89° 59' 24.73" W										
Curve: RAB_NOR_WB_EX1	P.I.	301+16.17	1,581,466.0070	533,883.2355	N 89° 59' 24.73" W	N 55° 47' 16.15" W	34° 12' 08.58" (RT)	45° 50' 11.84"	38.4579	74.6180	125.0000	15	0.05	0.02		
	P.C.	300+77.71	1,581,466.0004	533,921.6934												
	P.T.	301+52.33	1,581,487.6303	533,851.4324												
	C.C.		1,581,591.0004	533,921.7148												
Curve: RAB_NOR_WB_EX2	P.I.	302+53.10	1,581,544.2922	533,768.0950	N 55° 47' 16.15" W	N 14° 13' 41.95" W	41° 33' 34.20" (RT)	88° 08' 50.47"	24.6649	47.1478	65.0000	15	0.05	0.02		
	P.C.	302+28.44	1,581,530.4241	533,788.4919												
	P.T.	302+75.59	1,581,568.2005	533,762.0327												
	C.C.		1,581,584.1766	533,825.0387												
Curve: RAB_NOR_WB_EX3	P.I.	302+94.96	1,581,586.9765	533,757.2717	N 14° 13' 41.95" W	N 45° 09' 49.12" W	30° 56' 07.17" (LT)	81° 51' 04.01"	19.3702	37.7946	70.0000	15	0.05	0.02		
	P.C.	302+75.59	1,581,568.2005	533,762.0327												
	P.T.	303+13.38	1,581,600.6341	533,743.5359												
	C.C.		1,581,550.9954	533,694.1800												
Curve: RAB_NOR_WB_EX4	P.I.	303+71.72	1,581,641.7686	533,702.1657	N 45° 09' 49.12" W	S 85° 49' 52.38" W	49° 00' 18.50" (LT)	44° 45' 44.38"	58.3399	109.4785	128.0000	15	0.05	0.02		
	P.C.	303+13.38	1,581,600.6341	533,743.5359												
	P.T.	304+22.86	1,581,637.5276	533,643.9802												
	C.C.		1,581,509.8663	533,653.2851												
Curve: RAB_NOR_WB_EX5	P.I.	304+66.03	1,581,634.3895	533,600.9258	S 85° 49' 52.38" W	N 47° 28' 13.66" W	46° 41' 53.96" (RT)	57° 17' 44.81"	43.1686	81.5039	100.0000	15	0.05	0.02		
	P.C.	304+22.86	1,581,637.5276	533,643.9802												
	P.T.	305+04.36	1,581,663.5701	533,569.1137												
	C.C.		1,581,737.2630	533,636.7107												
Curve: RAB_NOR_WB_EX6	P.I.	305+68.55	1,581,706.9565	533,521.8147	N 47° 28' 13.66" W	N 2° 31' 32.97" W	44° 56' 40.69" (RT)	57° 17' 44.81"	41.3648	78.4432	100.0000	15	0.05	0.02		
	P.C.	305+27.18	1,581,678.9952	533,552.2976												
	P.T.	306+05.63	1,581,748.2811	533,519.9918												
	C.C.		1,581,752.6881	533,619.8946												
Curve: RAB_NOR_WB_EX7	P.I.	306+20.88	1,581,763.5180	533,519.3196	N 2° 31' 32.97" W	N 1° 34' 30.20" E	4° 06' 03.17" (RT)	13° 26' 58.97"	15.2517	30.4905	426.0000	15	0.05	0.02		
	P.C.	306+05.63	1,581,748.2811	533,519.9918												
	P.T.	306+36.12	1,581,778.7640	533,519.7389												
	C.C.		1,581,767.0548	533,945.5779												

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DATE	DESCRIPTION	DATE	DESCRIPTION																
ROAD	COUNTY CIP No.																		
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084																		
		<p align="center">38</p>																	

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COORDINATE AND CURVE DATA

Table with 15 columns: Baseline Name, Segment Name, Control, Station, Northing, Easting, Bearings (Back, Ahead), Delta, Curve/Spiral Data (D, T, L, R), and Superelevation (Design Speed, e_max, e). Rows include points 13000 and 13001 and various curve segments (RAB_PAL_EB_EX1 to EX6).

COORDINATE AND CURVE DATA

Table with 15 columns: Baseline Name, Segment Name, Control, Station, Northing, Easting, Bearings (Back, Ahead), Delta, Curve/Spiral Data (D, T, L, R), and Superelevation (Design Speed, e_max, e). Rows include point 11000 and various curve segments (RAB_PAL_NB_EX1 to EX6).

Footer section containing REVISIONS table (DATE, DESCRIPTION), project logo (TYLER VALILA, P.E. / SEMINOLE COUNTY ENGINEERING DIVISION), project name (ROLLING HILLS AREA ROADWAYS PHASE 1), project address (RAYMOND AVE., NORTH ST., PALM SPRINGS DR.), county CIP No. (01907084), and SHEET NO. (39).


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

COORDINATE AND CURVE DATA

Baseline Name: RAB_PAL_SB_EX		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Curve: RAB_PAL_SB_EX1	P.I.	200+51.39	1,583,301.0740	537,038.5673	S 34° 43' 45.79" W	S 49° 03' 12.69" W	14° 19' 26.91" (RT)	14° 00' 31.49"	51.3937	102.2514	409.0000	15	0.05	0.02
	P.C.	200+00.00	1,583,343.3120	537,067.8463										
	P.T.	201+02.25	1,583,267.3930	536,999.7485										
	C.C.		1,583,576.3197	536,731.7089										
Curve: RAB_PAL_SB_EX2	P.I.	201+57.47	1,583,231.2075	536,958.0432	S 49° 03' 12.69" W	S 18° 11' 11.08" W	30° 52' 01.61" (LT)	28° 38' 52.40"	55.2152	107.7466	200.0000	15	0.05	0.02
	P.C.	201+02.25	1,583,267.3930	536,999.7485										
	P.T.	202+10.00	1,583,178.7505	536,940.8100										
	C.C.		1,583,116.3285	537,130.8193										
Curve: RAB_PAL_SB_EX3	P.I.	202+35.04	1,583,154.9591	536,932.9941	S 18° 11' 11.08" W	S 55° 06' 52.25" W	36° 55' 41.17" (RT)	76° 23' 39.74"	25.0423	48.3388	75.0000	15	0.05	0.02
	P.C.	202+10.00	1,583,178.7505	536,940.8100										
	P.T.	202+58.34	1,583,140.6364	536,912.4519										
	C.C.		1,583,202.1587	536,869.5566										
Curve: RAB_PAL_SB_EX4	P.I.	202+88.96	1,583,123.1236	536,887.3344	S 55° 06' 52.25" W	N 61° 55' 07.41" W	62° 58' 00.34" (RT)	114° 35' 29.61"	30.6201	54.9489	50.0000	15	0.05	0.02
	P.C.	202+58.34	1,583,140.6364	536,912.4519										
	P.T.	203+13.29	1,583,137.5372	536,860.3189										
	C.C.		1,583,181.6513	536,883.8550										
Curve: RAB_PAL_SB_EX5	P.I.	203+75.44	1,583,166.7928	536,805.4848	N 61° 55' 07.41" W	S 54° 21' 32.86" W	63° 43' 19.74" (LT)	57° 17' 44.81"	62.1503	111.2161	100.0000	15	0.05	0.02
	P.C.	203+13.29	1,583,137.5372	536,860.3189										
	P.T.	204+24.50	1,583,130.5777	536,754.9762										
	C.C.		1,583,049.3092	536,813.2465										
Curve: RAB_PAL_SB_EX6	P.I.	204+82.91	1,583,096.5433	536,707.5091	S 54° 21' 32.86" W	N 89° 27' 36.15" W	36° 10' 50.99" (RT)	32° 02' 40.63"	58.4077	112.9077	178.8000	15	0.05	0.02
	P.C.	204+24.50	1,583,130.5777	536,754.9762										
	P.T.	205+37.41	1,583,097.0937	536,649.1039										
	C.C.		1,583,275.8858	536,650.7889										
Point: 12001	P.I.	205+92.29	1,583,097.2840	536,594.2210										

COORDINATE AND CURVE DATA

Baseline Name: RAB_RAY_IC_EX		Coordinates			Bearings		Curve/Spiral Data					Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e
Curve: RAB_RAY_IC_EX1	P.I.	400+18.43	1,583,170.7680	532,496.4859	N 77° 57' 51.72" E	N 48° 27' 40.45" E	29° 30' 11.28" (LT)	81° 51' 04.01"	18.4315	36.0449	70.0000	15	0.05	0.02
	P.C.	400+00.00	1,583,166.9247	532,478.4596										
	P.T.	400+36.04	1,583,182.9905	532,510.2820										
	C.C.		1,583,235.3860	532,463.8632										
Curve: RAB_RAY_IC_EX2	P.I.	400+99.63	1,583,225.1566	532,557.8772	N 48° 27' 40.45" E	N 4° 22' 21.28" W	52° 50' 01.73" (LT)	44° 45' 44.38"	63.5868	118.0319	128.0000	15	0.05	0.02
	P.C.	400+36.04	1,583,182.9905	532,510.2820										
	P.T.	401+54.08	1,583,288.5583	532,553.0293										
	C.C.		1,583,278.7994	532,425.4018										
Curve: RAB_RAY_IC_EX3	P.I.	405+89.50	1,583,722.7101	532,519.8321	N 4° 22' 21.28" W	S 13° 53' 36.24" W	161° 44' 02.47" (LT)	81° 51' 04.01"	435.4191	197.5954	70.0000	15	0.05	0.02
	P.C.	401+54.08	1,583,288.5583	532,553.0293										
	P.T.	403+51.67	1,583,300.0295	532,415.2809										
	C.C.		1,583,283.2214	532,483.2330										
Curve: RAB_RAY_IC_EX4	P.I.	403+67.71	1,583,284.4573	532,411.4291	S 13° 53' 36.24" W	S 30° 11' 42.92" W	16° 18' 06.67" (RT)	51° 09' 25.01"	16.0415	31.8664	112.0000	15	0.05	0.02
	P.C.	403+51.67	1,583,300.0295	532,415.2809										
	P.T.	403+83.54	1,583,270.5924	532,403.3610										
	C.C.		1,583,326.9226	532,306.5576										
Curve: RAB_RAY_IC_EX5	P.I.	405+41.39	1,583,134.1551	532,323.9678	S 30° 11' 42.92" W	N 78° 01' 27.73" E	132° 10' 15.19" (LT)	81° 51' 04.01"	157.8557	161.4772	70.0000	15	0.05	0.02
	P.C.	403+83.54	1,583,270.5924	532,403.3610										
	P.T.	405+45.02	1,583,166.9094	532,478.3879										
	C.C.		1,583,235.3860	532,463.8632										

REVISIONS				TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242		SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		PROJECT CONTROL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD	COUNTY CIP No.		
						RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		40


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COORDINATE AND CURVE DATA

Baseline Name:		RAB_RAY_ICD_E			Coordinates		Bearings		Curve/Spiral Data				Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e	
Curve: RAB_RAY_ICD_E1	P.I.	400+18.43	1,583,170.7680	532,496.4859	N 77° 57' 51.72" E	N 48° 27' 40.45" E	29° 30' 11.28" (LT)	81° 51' 04.01"	18.4315	36.0449	70.0000	15	0.05	0.02	
	P.C.	400+00.00	1,583,166.9247	532,478.4596											
	P.T.	400+36.04	1,583,182.9905	532,510.2820											
	C.C.		1,583,235.3860	532,463.8632											
Curve: RAB_RAY_ICD_E2	P.I.	400+99.63	1,583,225.1566	532,557.8772	N 48° 27' 40.45" E	N 4° 22' 21.28" W	52° 50' 01.73" (LT)	44° 45' 44.38"	63.5868	118.0319	128.0000	15	0.05	0.02	
	P.C.	400+36.04	1,583,182.9905	532,510.2820											
	P.T.	401+54.08	1,583,288.5583	532,553.0293											
	C.C.		1,583,278.7994	532,425.4018											
Curve: RAB_RAY_ICD_E3	P.I.	405+89.50	1,583,722.7101	532,519.8321	N 4° 22' 21.28" W	S 13° 53' 36.24" W	161° 44' 02.47" (LT)	81° 51' 04.01"	435.4191	197.5954	70.0000	15	0.05	0.02	
	P.C.	401+54.08	1,583,288.5583	532,553.0293											
	P.T.	403+51.67	1,583,300.0295	532,415.2809											
	C.C.		1,583,283.2214	532,483.2330											
Curve: RAB_RAY_ICD_E4	P.I.	403+67.71	1,583,284.4573	532,411.4291	S 13° 53' 36.24" W	S 30° 11' 42.92" W	16° 18' 06.67" (RT)	51° 09' 25.01"	16.0415	31.8664	112.0000	15	0.05	0.02	
	P.C.	403+51.67	1,583,300.0295	532,415.2809											
	P.T.	403+83.54	1,583,270.5924	532,403.3610											
	C.C.		1,583,326.9226	532,306.5576											
Curve: RAB_RAY_ICD_E5	P.I.	405+23.97	1,583,149.2135	532,332.7303	S 30° 11' 42.92" W	N 83° 11' 01.82" E	127° 00' 41.10" (LT)	81° 51' 04.01"	140.4333	155.1737	70.0000	15	0.05	0.02	
	P.C.	403+83.54	1,583,270.5924	532,403.3610											
	P.T.	405+38.71	1,583,165.8807	532,472.1711											
	C.C.		1,583,235.3860	532,463.8632											

COORDINATE AND CURVE DATA

Baseline Name:		RAB_RAY_NB_EX			Coordinates		Bearings		Curve/Spiral Data				Superelevation		
Segment Name	Control	Station	Northing	Easting	Back	Ahead	Delta	D	T	L	R	Design Speed	e_max	e	
Point: 2000	P.I.	200+00.00	1,582,958.2967	532,376.0876		N 0° 02' 29.90" W									
Curve: RAB_RAY_NB_EX1	P.I.	201+14.68	1,583,072.9729	532,376.0043	N 0° 02' 29.90" W	N 30° 38' 24.92" E	30° 40' 54.82" (RT)	38° 11' 49.87"	41.1506	80.3250	150.0000	15	0.05	0.02	
	P.C.	200+73.53	1,583,031.8223	532,376.0342											
	P.T.	201+53.85	1,583,108.3782	532,396.9765											
	C.C.		1,583,031.9313	532,526.0342											
Curve: RAB_RAY_NB_EX2	P.I.	202+08.62	1,583,155.5035	532,424.8911	N 30° 38' 24.92" E	N 77° 57' 51.72" E	47° 19' 26.80" (RT)	45° 50' 11.85"	54.7725	103.2452	125.0000	15	0.05	0.02	
	P.C.	201+53.85	1,583,108.3782	532,396.9765											
	P.T.	202+57.10	1,583,166.9247	532,478.4596											
	C.C.		1,583,044.6724	532,504.5246											
Curve: RAB_RAY_NB_EX3	P.I.	202+75.53	1,583,170.7680	532,496.4859	N 77° 57' 51.72" E	N 48° 27' 40.45" E	29° 30' 11.28" (LT)	81° 51' 04.01"	18.4315	36.0449	70.0000	15	0.05	0.02	
	P.C.	202+57.10	1,583,166.9247	532,478.4596											
	P.T.	202+93.14	1,583,182.9905	532,510.2820											
	C.C.		1,583,235.3860	532,463.8632											
Curve: RAB_RAY_NB_EX4	P.I.	203+20.04	1,583,200.8309	532,530.4195	N 48° 27' 40.45" E	N 24° 43' 17.44" E	23° 44' 23.01" (LT)	44° 45' 44.38"	26.9035	53.0351	128.0000	15	0.05	0.02	
	P.C.	202+93.14	1,583,182.9905	532,510.2820											
	P.T.	203+46.18	1,583,225.2687	532,541.6708											
	C.C.		1,583,278.7994	532,425.4018											
Curve: RAB_RAY_NB_EX5	P.I.	203+94.83	1,583,269.4622	532,562.0176	N 24° 43' 17.44" E	S 81° 38' 56.18" E	73° 37' 46.38" (RT)	88° 08' 50.47"	48.6524	83.5301	65.0000	15	0.05	0.02	
	P.C.	203+46.18	1,583,225.2687	532,541.6708											
	P.T.	204+29.71	1,583,262.3960	532,610.1541											
	C.C.		1,583,198.0852	532,600.7136											
Curve: RAB_RAY_NB_EX6	P.I.	204+48.60	1,583,259.6517	532,628.8491	S 81° 38' 56.18" E	S 64° 27' 25.57" E	17° 11' 30.61" (RT)	45° 50' 11.85"	18.8954	37.5068	125.0000	15	0.05	0.02	
	P.C.	204+29.71	1,583,262.3960	532,610.1541											
	P.T.	204+67.21	1,583,251.5043	532,645.8977											
	C.C.		1,583,138.7214	532,591.9993											
Point: 2001	P.I.	205+49.08	1,583,216.2020	532,719.7680											

REVISIONS				TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242		SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		PROJECT CONTROL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD	COUNTY CIP No.		
									RAYMOND AVE., NORTH ST., PALM SPRINGS DR.

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ROLLING HILLS AREA ROADWAY IMPROVEMENTS

PORTIONS OF STATE ROAD 434, RAYMOND AVENUE, NORTH STREET, AND PALM SPRINGS AVENUE SEMINOLE COUNTY, FLORIDA

LEGEND & ABBREVIATIONS:

SURVEY CONTROL MAP

SCALE: 1"=1000'

- ⊕ = BENCHMARK
- ▲ = STATION PC, PT, OR PI
- PB = PLAT BOOK
- PG(S) = PG(S)
- BL = SURVEY BASELINE
- LT = LEFT
- RT = RIGHT
- STA = STATION

DESCRIPTION:

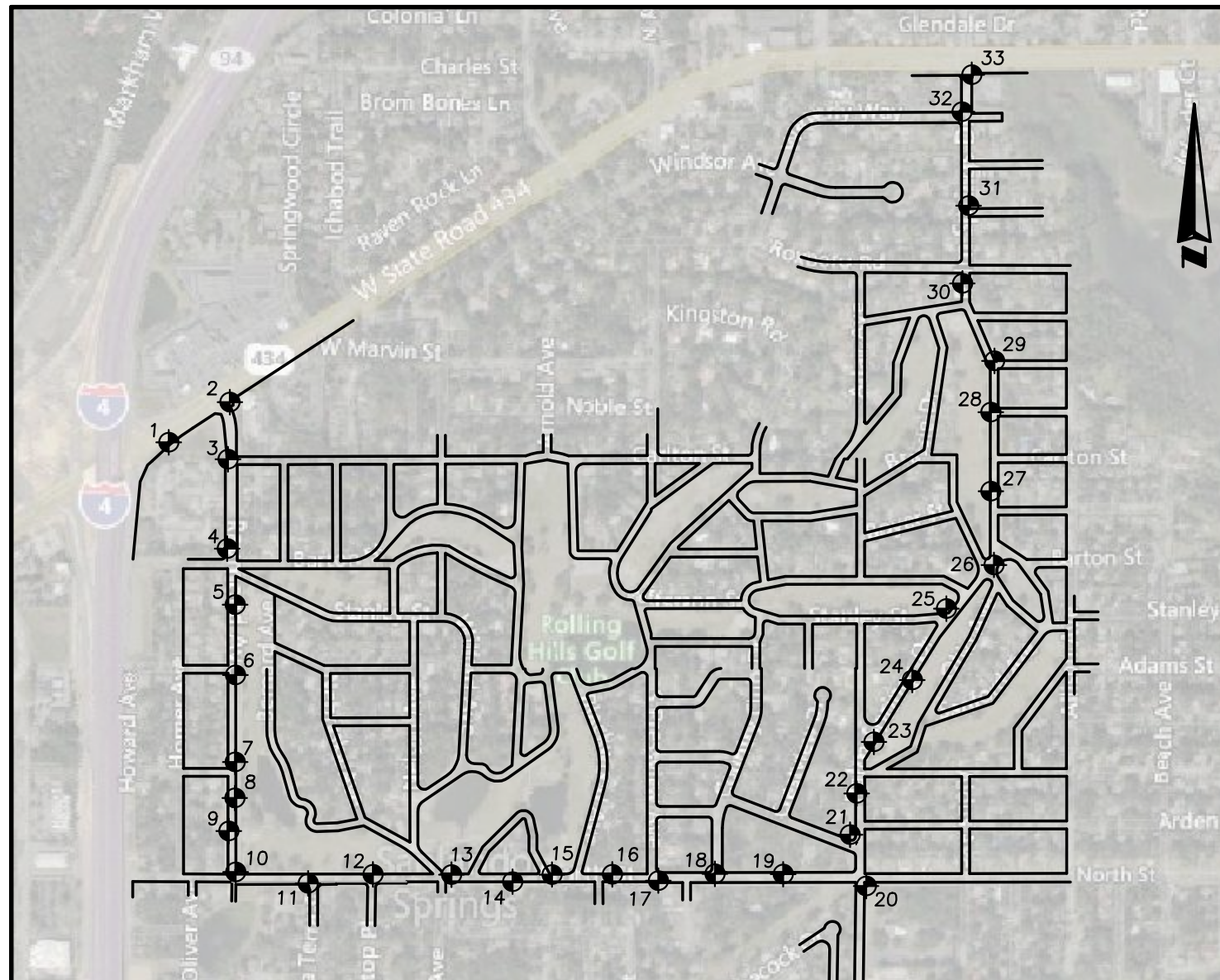
A portion of Sections 01, 02, 11, and 12, Township 21 South, Range 29 East, lying in Seminole County, Florida.

SURVEYOR'S REPORT:

1. Utility locations shown hereon are based on field locations of markings by Southeastern Surveying & Mapping Corp. Field markings are based on signals received from Ground Penetrating Radar (GPR) and electronic equipment. Locations are approximate and Test Holes should be performed for verification.
2. Easements or rights of way that appear on recorded plans or that have been furnished to the surveyor by others have been incorporated into this drawing with appropriate notation. Other easements may be discovered by a search of the Public Records.
3. Minimum Horizontal Accuracy for this survey is in accordance with the STANDARDS OF PRACTICE set forth by the Board of Professional Surveyors and Mappers in Chapter 5J-17 requirements of Florida Administration Code. The map and measurement methods used for this survey meet or exceed this requirement. The dimensions shown hereon are in United States survey feet and decimals thereof.
4. This survey does not determine ownership of the lands shown hereon.
5. Underground foundations have not been located.
6. Survey map and report or the copies thereof are not valid without the original signature and seal or the electronic signature and seal of a Florida Licensed Surveyor and Mapper, and if shown hereon is in compliance with Florida Administrative Code 5J-17.062 and Florida Statute 472.025.
7. Features shown by symbol as indicated in the legend are not to scale.
8. Additions or deletions to survey maps or reports by other than the signing party or parties is prohibited without written consent of the signing party or parties.
9. Bearings shown hereon are based on the Centerline of Raymond Avenue being North 00°03'47" West. Bearings and distances shown hereon are measured unless otherwise noted.
10. Vertical information Vertical information shown hereon refers to a Seminole County Control point with designation "8173904", and has a published elevation of 72.510 feet North American Vertical Datum of 1988 (NAVD88).
11. Horizontal positions for all features shown on the map are relative to North American Datum of 1983 (NAD83), 2011 adjustment, State Plane Coordinate System, Florida East Zone. Primary Control for this project was established using Static GPS methods and was processed using National Geodetic Survey (NGS) OPUS-RS service; distances shown are GRID distances.
12. This Survey was performed without benefit of an abstract, title search, title opinion or title commitment. A title search may reveal additional information affecting the parcel as shown.
13. Unless shown, only those visible features found within the boundaries of this survey or in the immediate vicinity of the above described parcel boundary have been located. Improvements and Topographic features shown hereon are limited to areas per specific instructions of the client.
14. Right of Way information shown hereon was determined by found monumentation, recorded plats, Florida Department of Transportation Right of Way Map Section No. 77120 - State Road No. 434 - "F.P.ID 240233 3", Florida Department of Transportation Right of Way Map Section No. 77160 - State Road No. 400 "F.P.ID 242592 3", and information obtained on the Seminole County Property Appraisers web site. No Right of Way documentation was provided by client.

NOTICE OF LIABILITY:

This survey is certified to those individuals shown on the face thereof. Any other use, benefit or reliance by any other party is strictly prohibited and restricted. Surveyor is responsible only to those certified and hereby disclaims any other liability and hereby restricts the rights of any other individual or firm to use this survey, without express written consent of the surveyor.

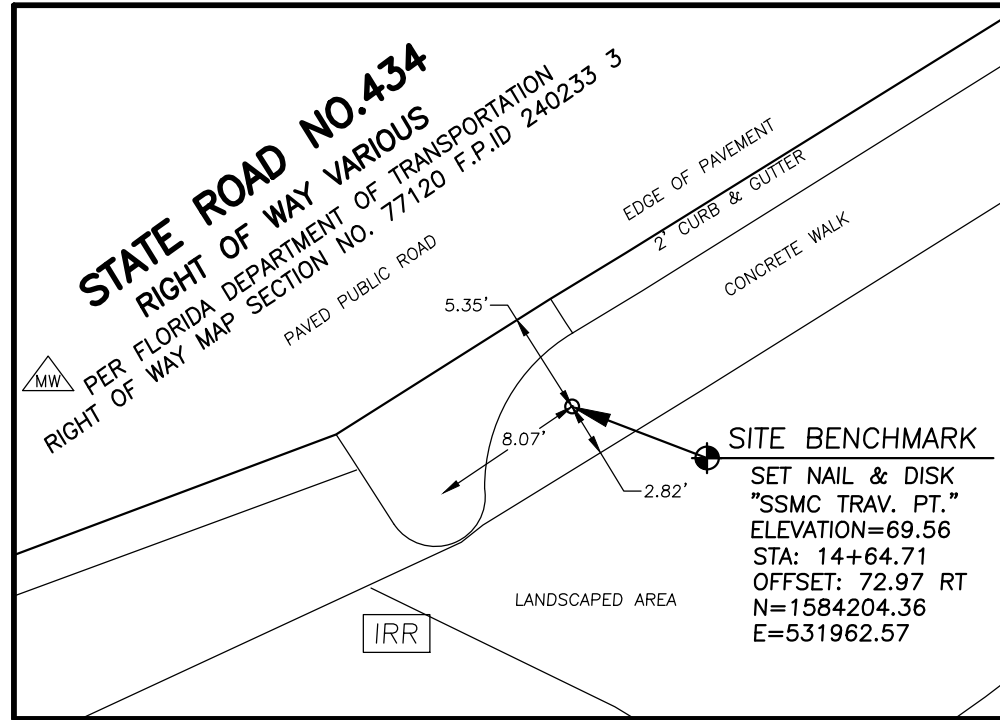


SEE SHEETS 2-10 FOR BENCHMARK DATA

REVISIONS		REVISIONS		 SSMC <small>SUE = SURVEY = GIS</small>	WILLIAM C. ROWE, PSM Registered Land Surveyor Number 5225 6500 All American Boulevard Orlando, Florida 32810-4350 (407) 292-8580 Certification Number LB2108	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		CONTROL MAP	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD	COUNTY CIP No.		43
						RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

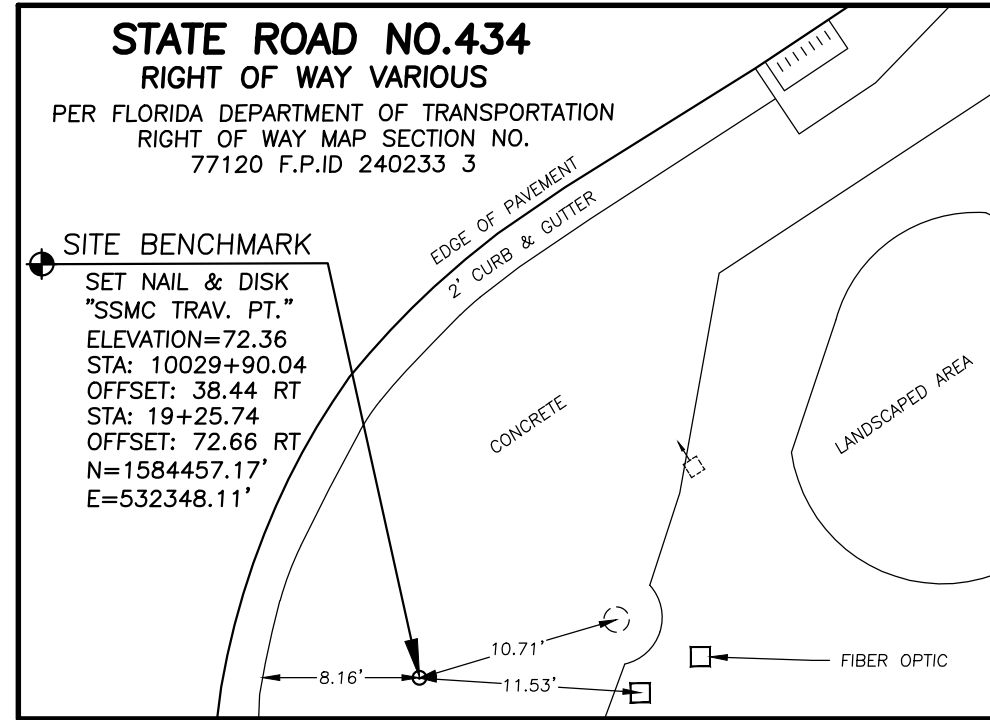
BENCHMARK 1

SEE SHEET 2



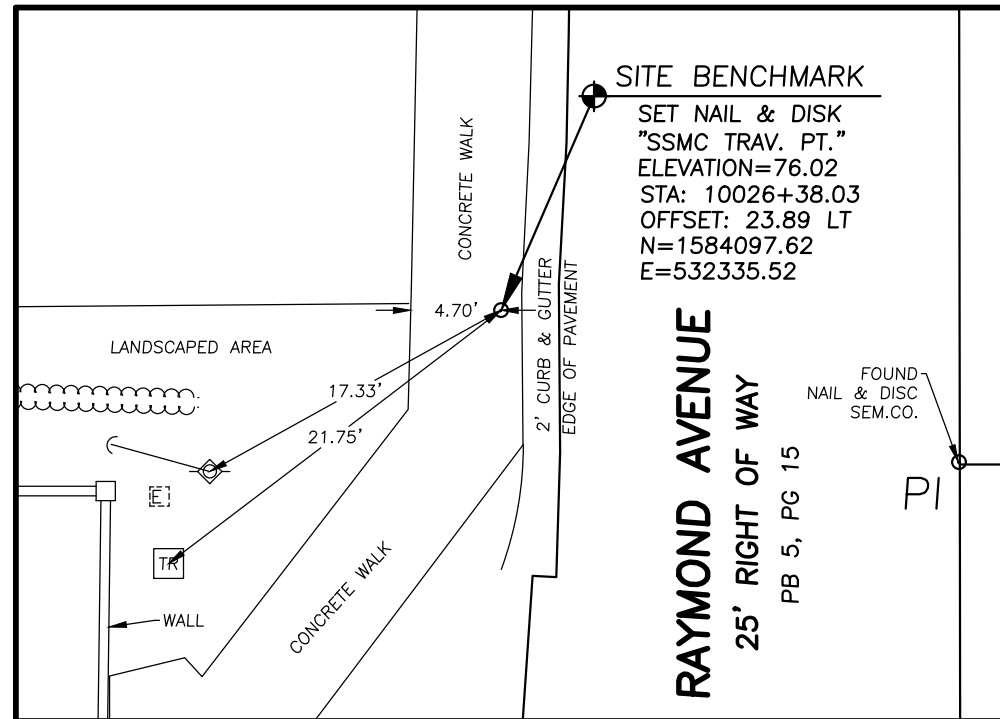
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SEE SHEET 3



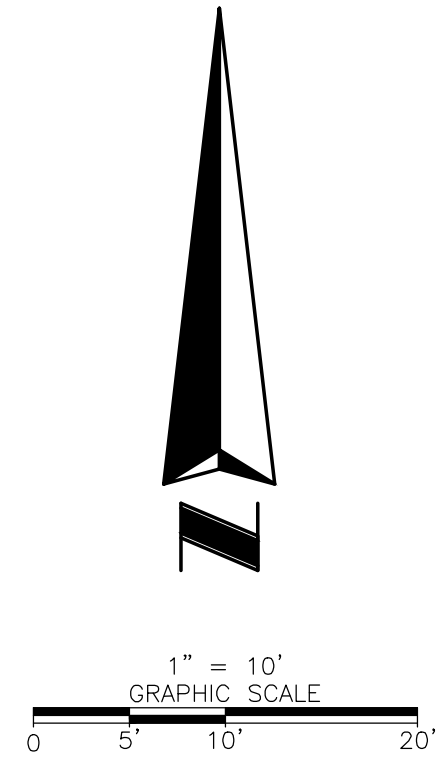
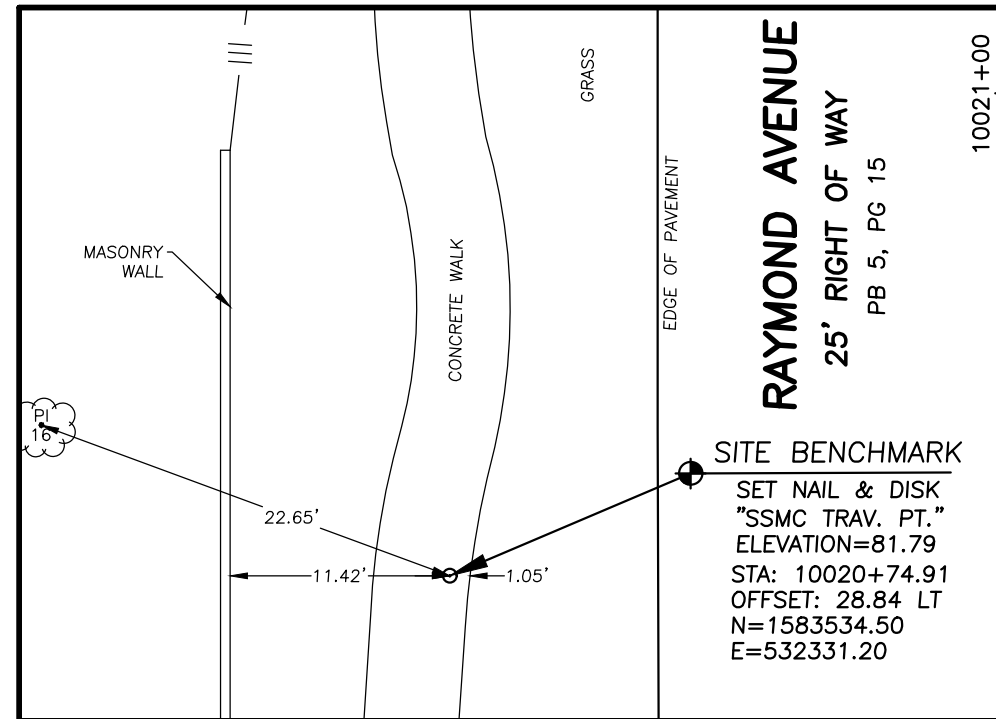
BENCHMARK 3

SEE SHEET 3



BENCHMARK 4

SEE SHEET 4



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SSMC
SUE = SURVEY = GIS

WILLIAM C. ROWE, PSM
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(407) 292-8580
Certification Number LB2108

SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

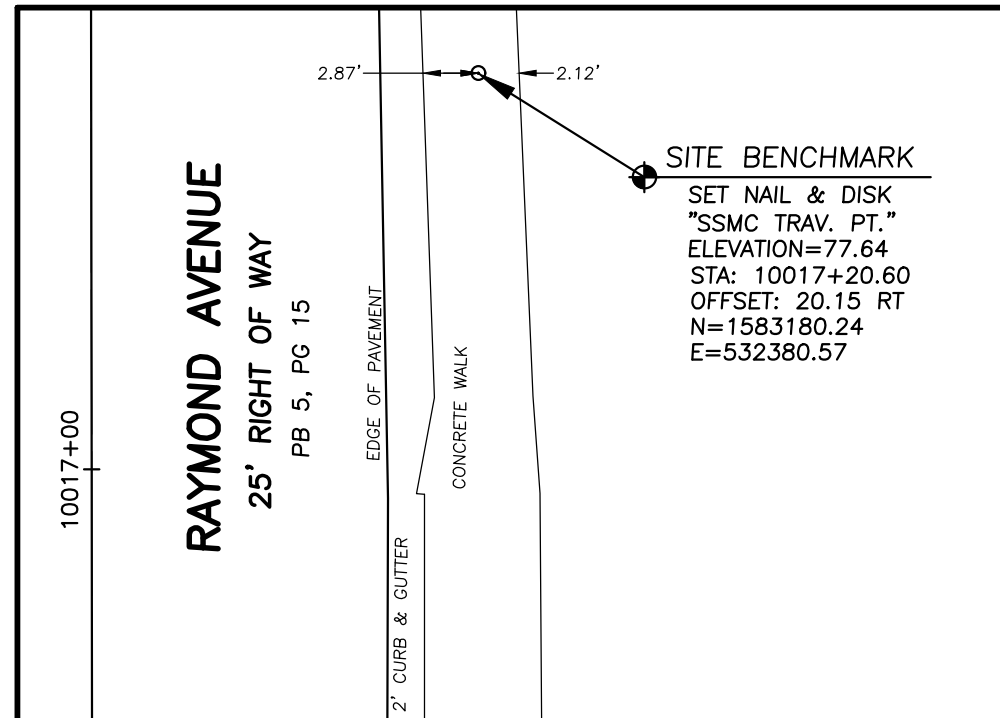
BENCHMARKS 1-4

SHEET NO.
44

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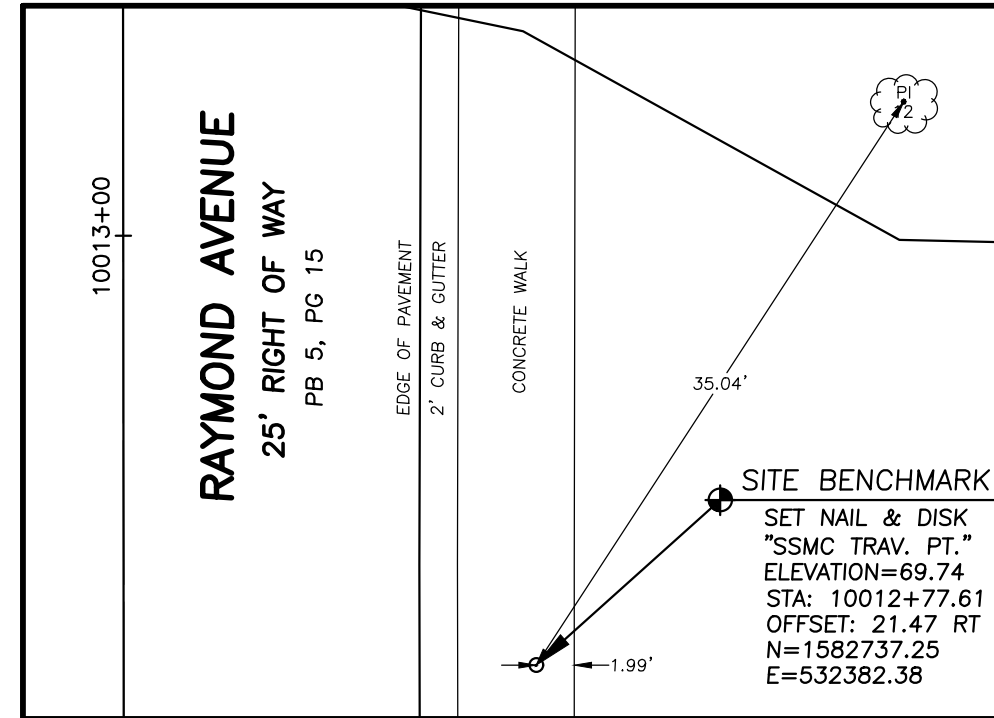
BENCHMARK 5

SEE SHEET 5



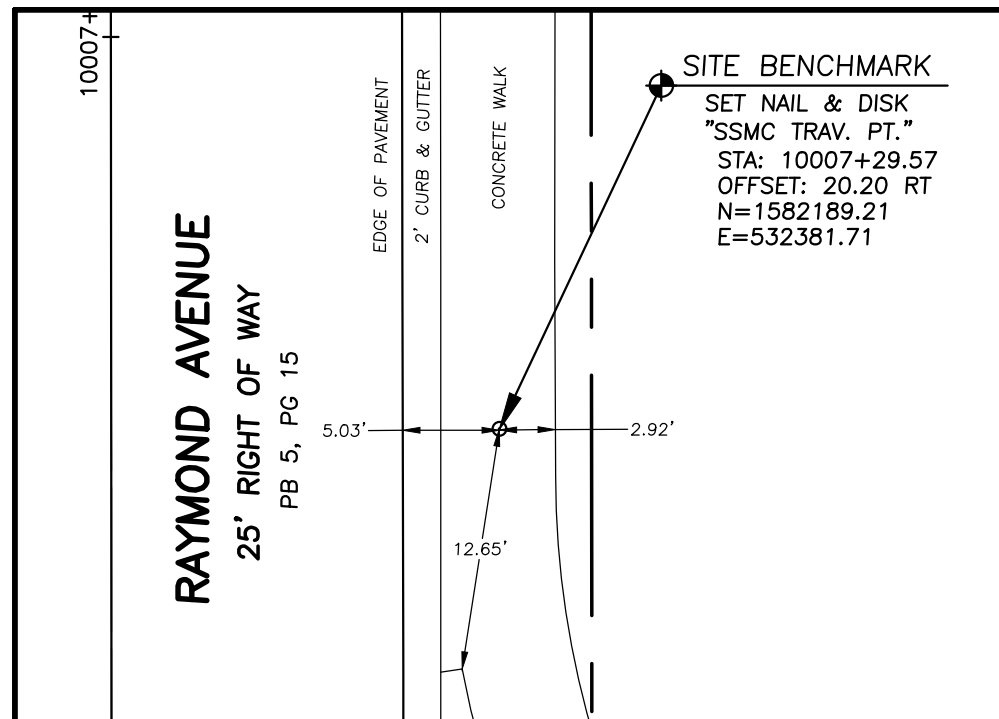
BENCHMARK 6

SEE SHEET 5



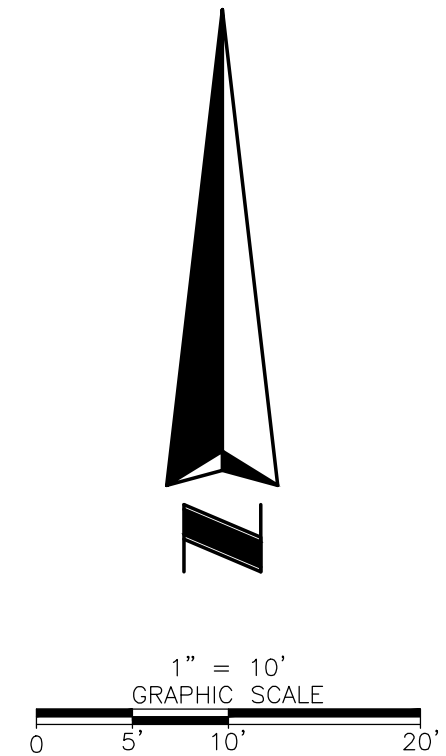
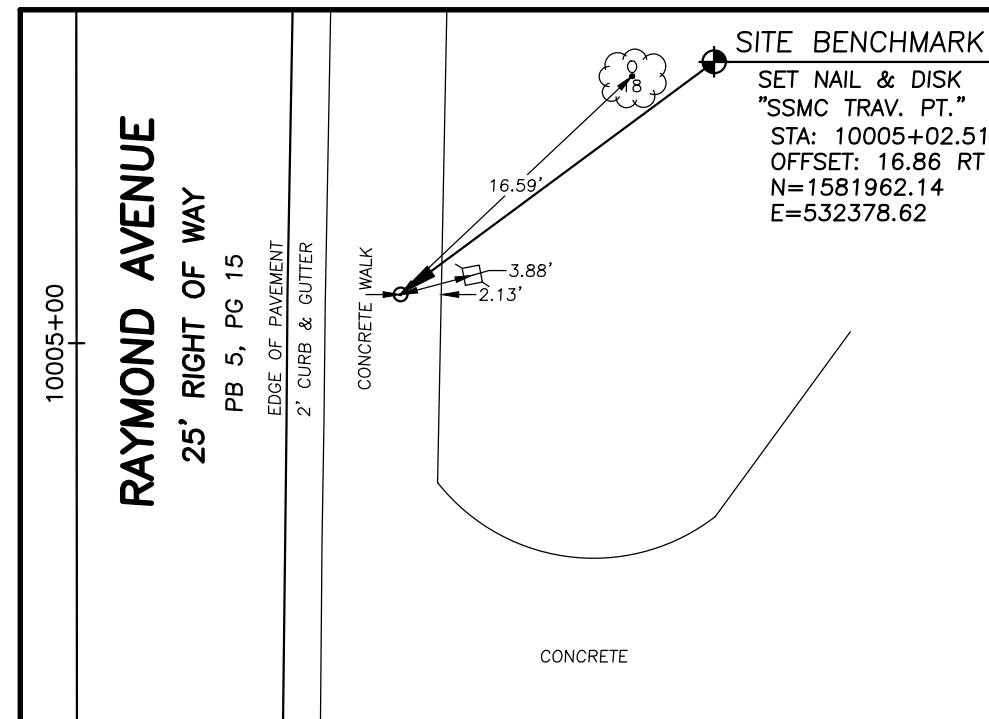
BENCHMARK 7

SEE SHEET 6



BENCHMARK 8

SEE SHEET 6



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

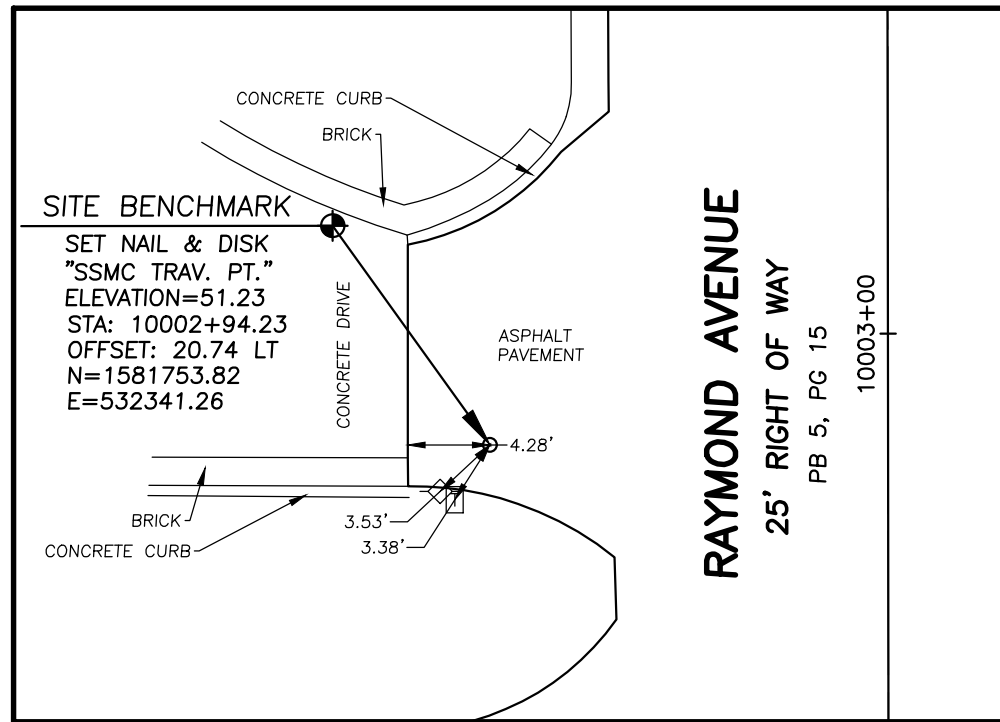
BENCHMARKS 5-8

SHEET NO.

45

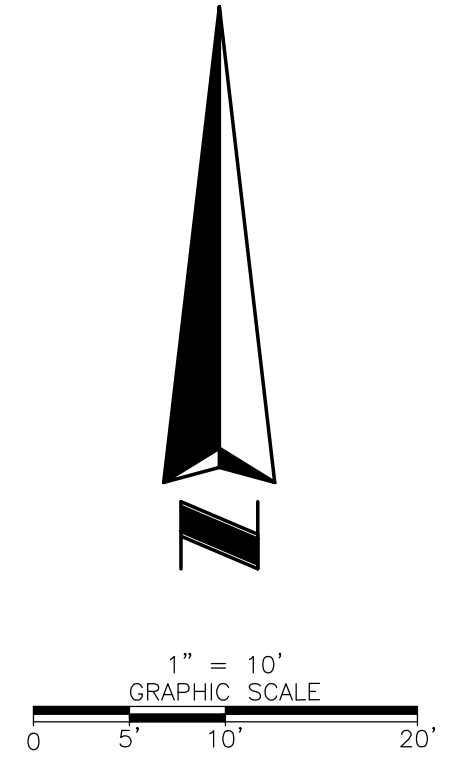
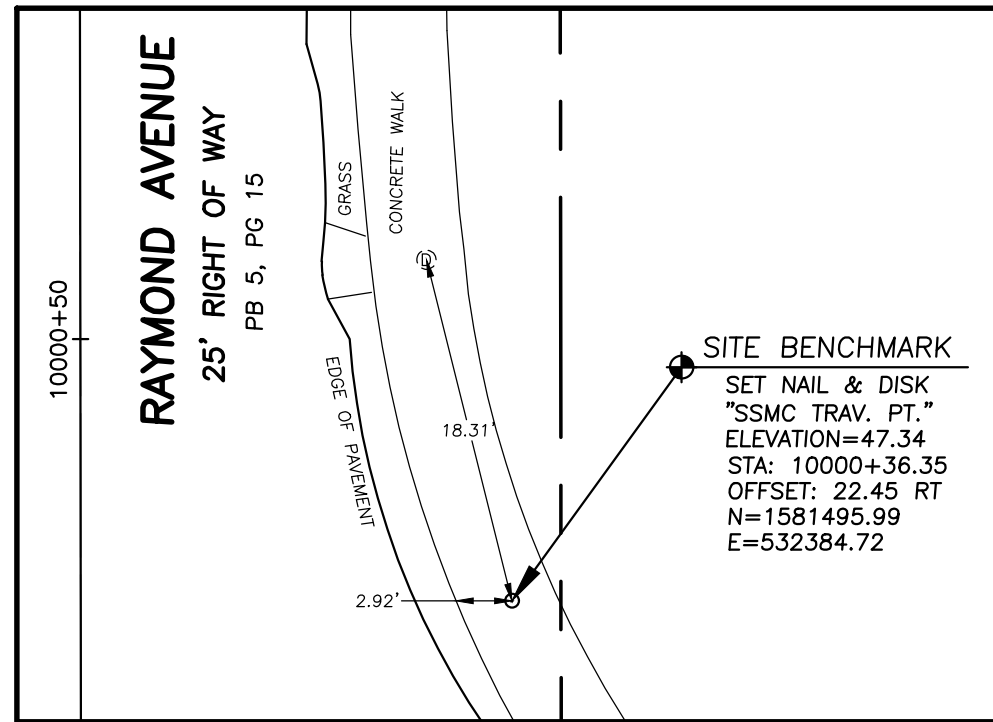
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SEE SHEET 6



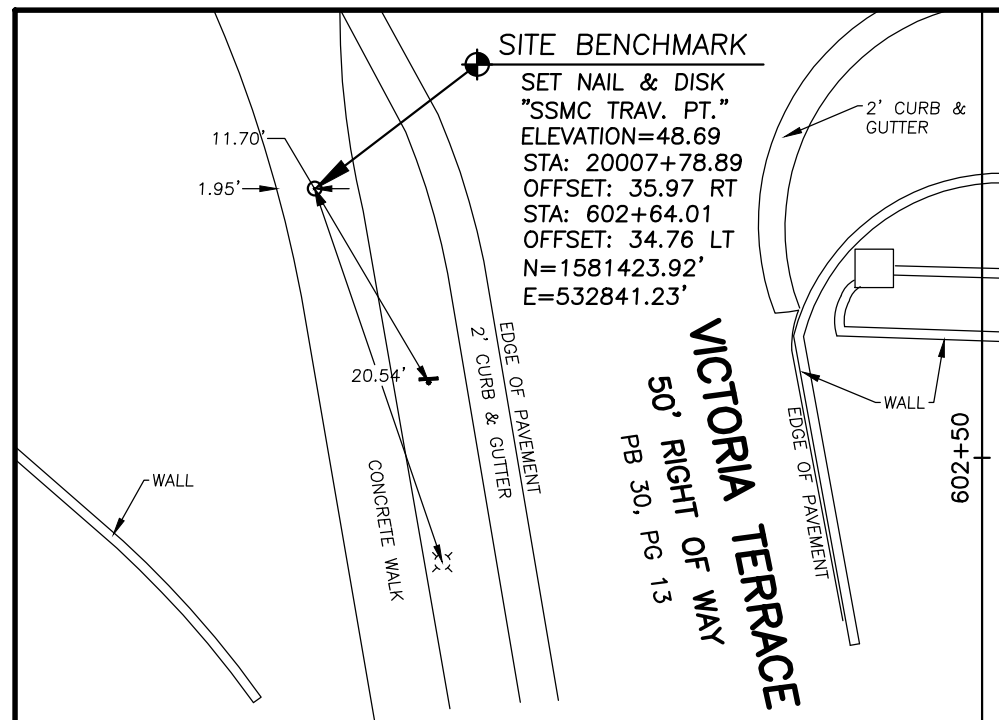
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SEE SHEET 6



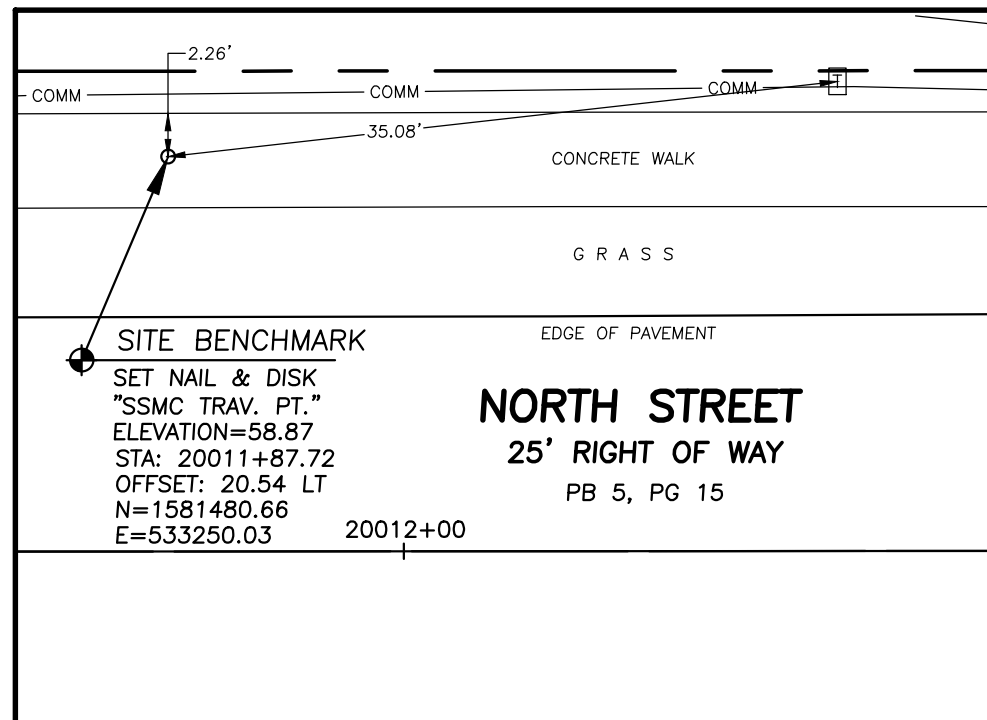
BENCHMARK 11

SEE SHEET 7

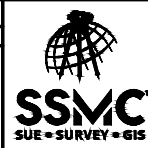


BENCHMARK 12

SEE SHEET 8



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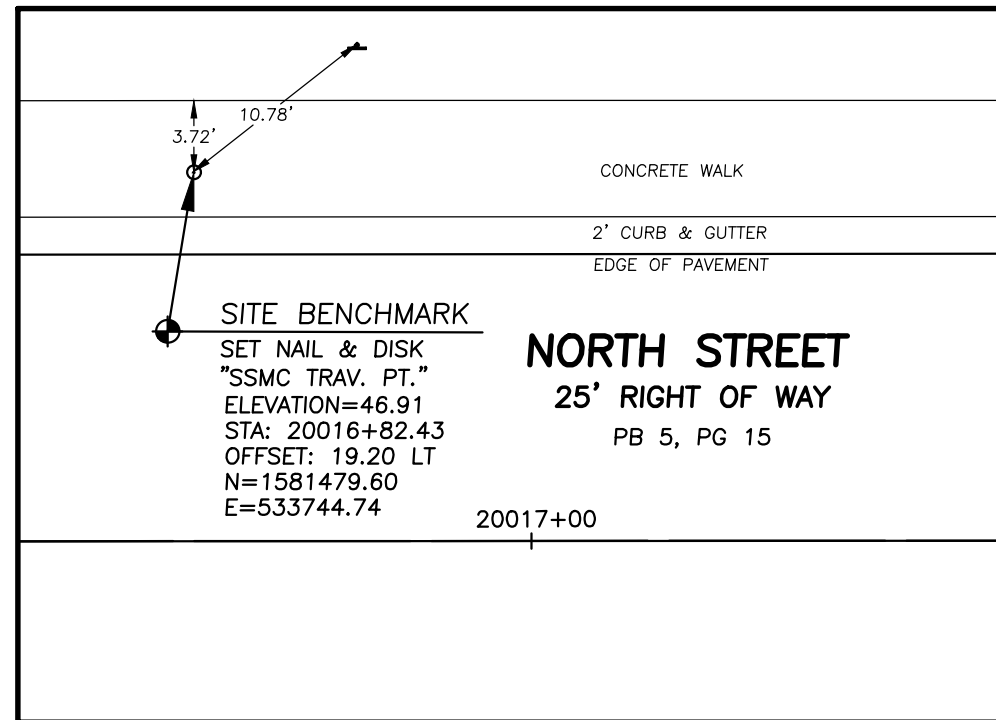
SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

BENCHMARKS 9-12

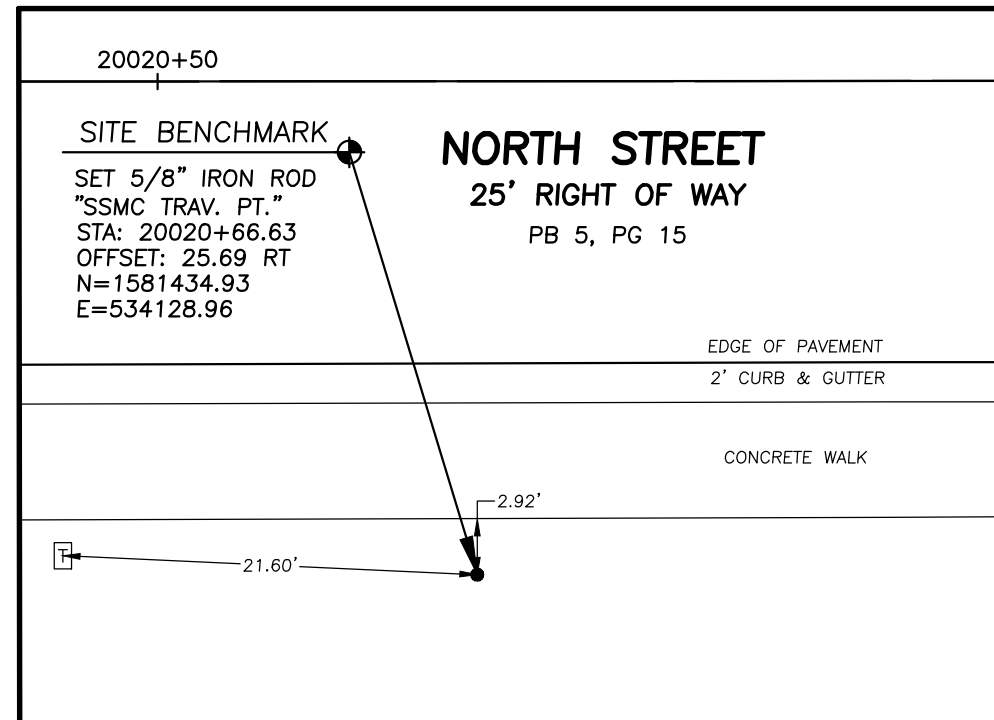
SHEET NO.
46

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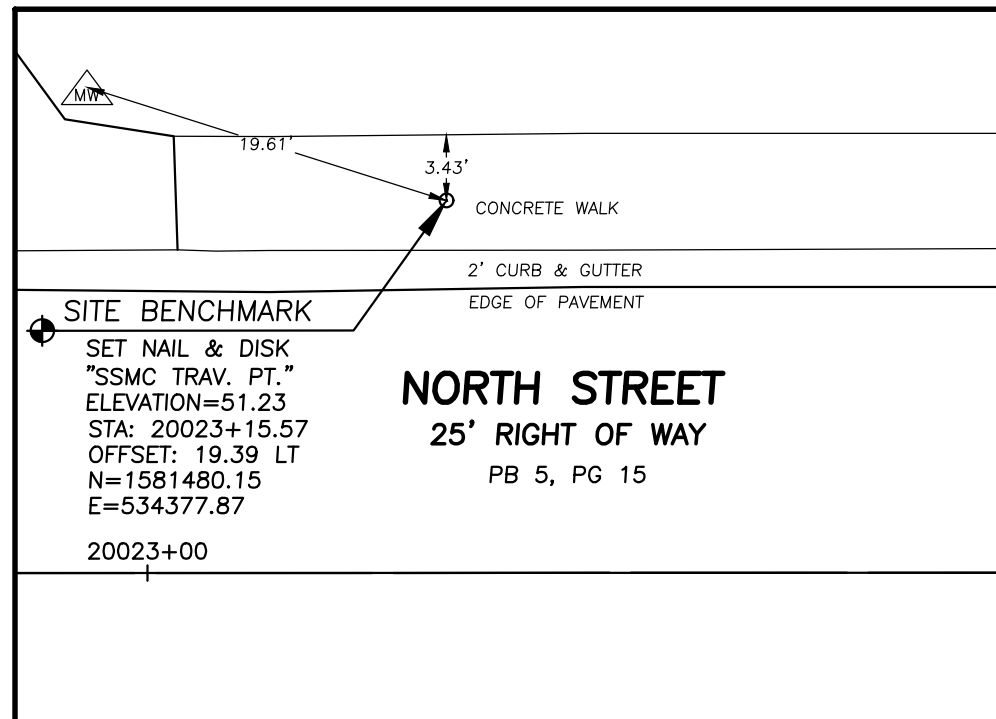
BENCHMARK 13
SEE SHEET 8



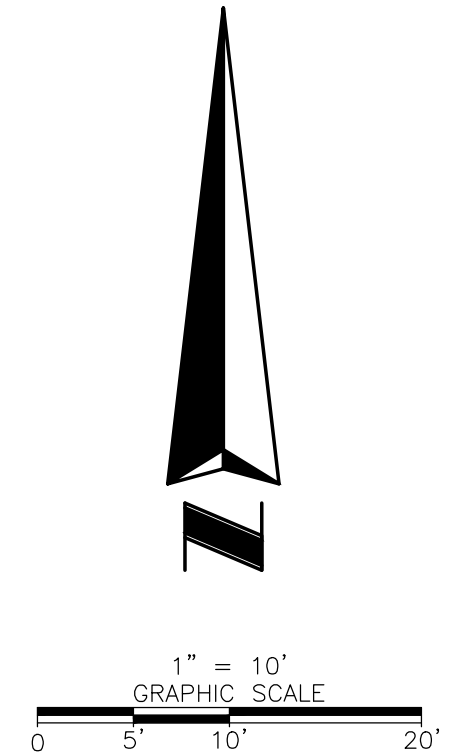
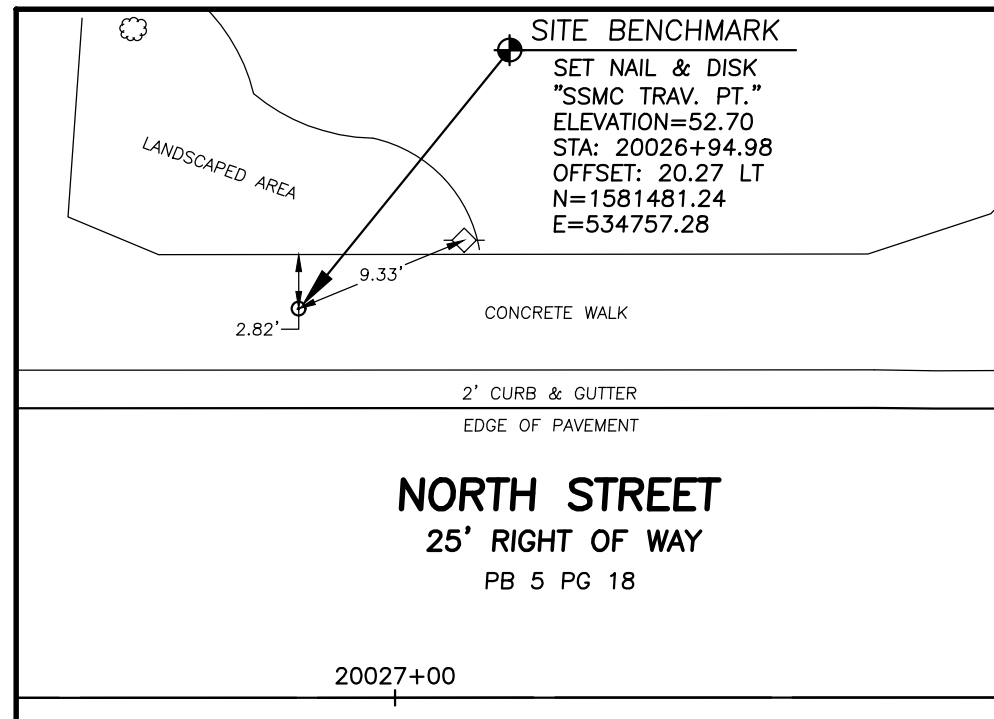
BENCHMARK 14
SEE SHEET 9



BENCHMARK 15
SEE SHEET 9



BENCHMARK 16
SEE SHEET 10



REVISIONS			
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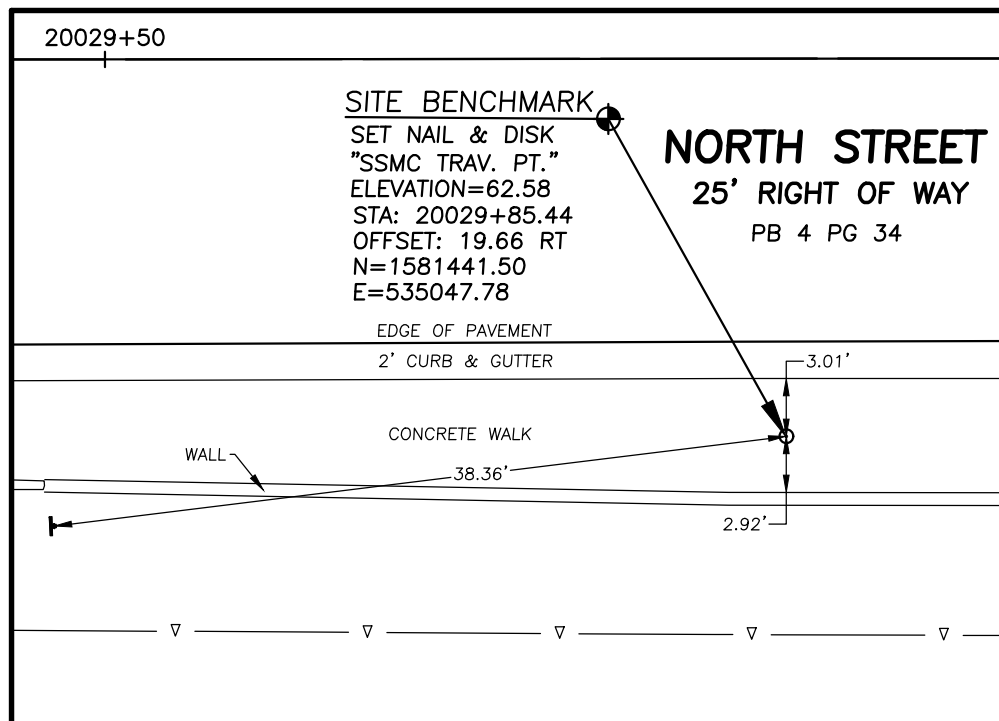
SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

BENCHMARKS 13-16

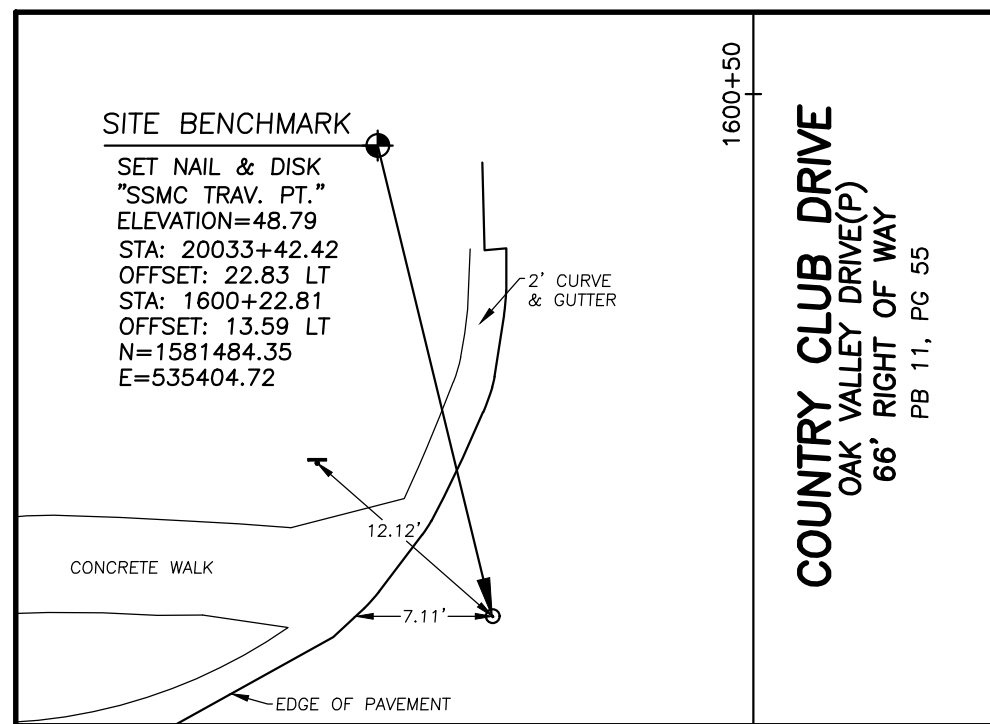
SHEET
NO.

47

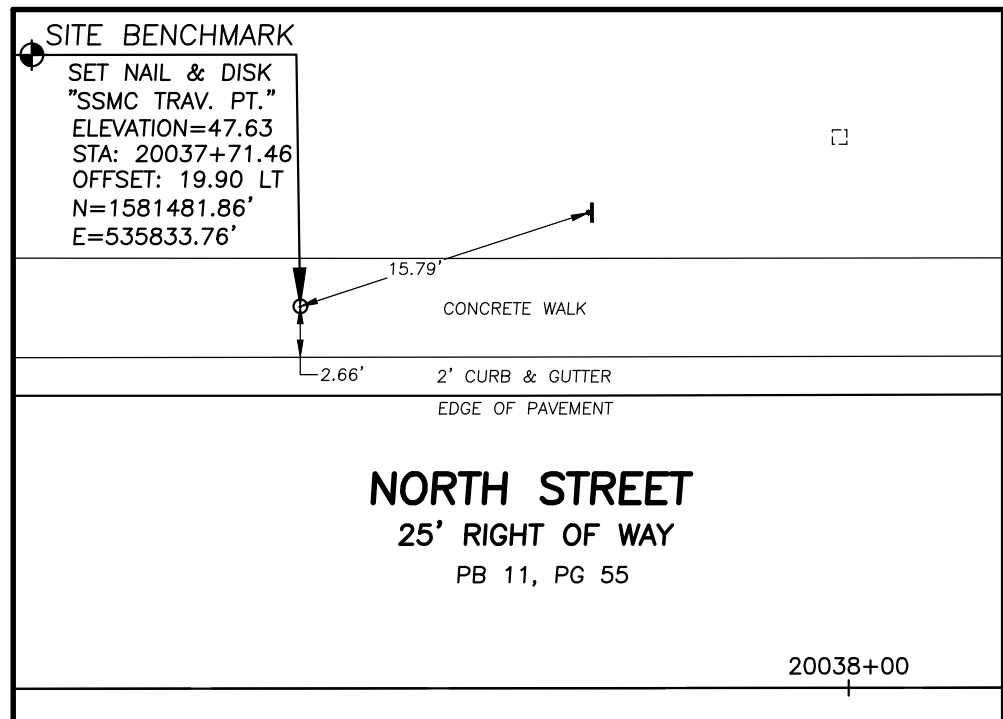
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SEE SHEET 10



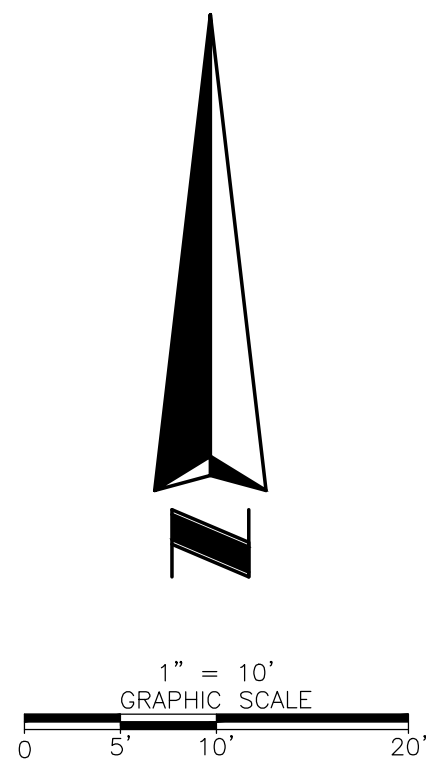
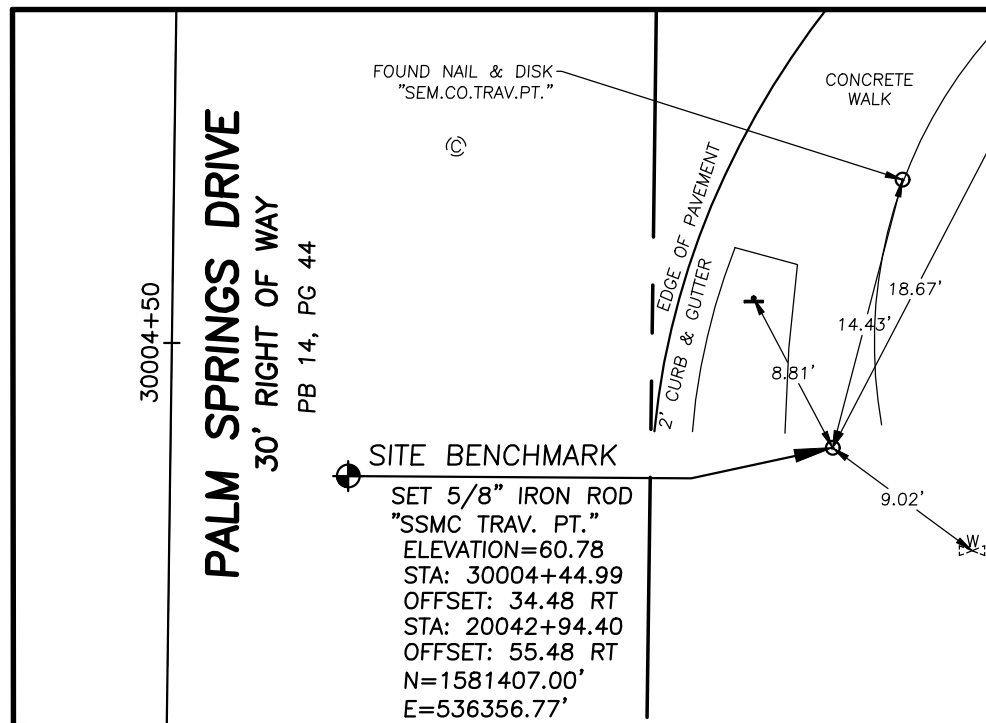
BENCHMARK 18
SEE SHEET 10




BENCHMARK 19
SEE SHEET 11



BENCHMARK 20
SEE SHEET 12



REVISIONS			
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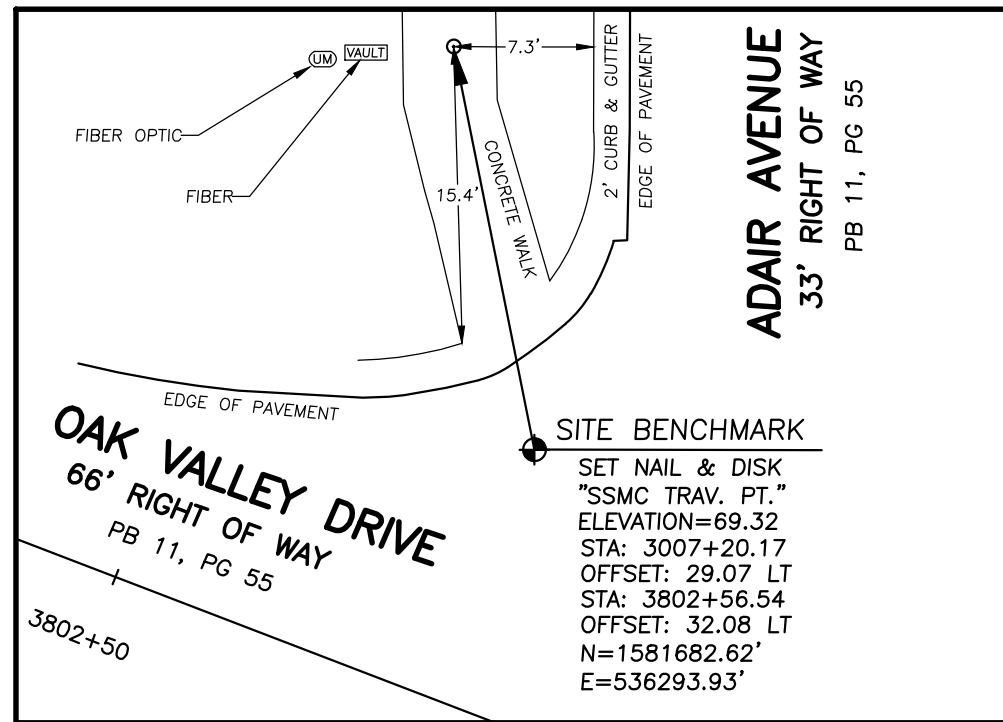
SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

BENCHMARKS 17-20	
SHEET NO. 48	

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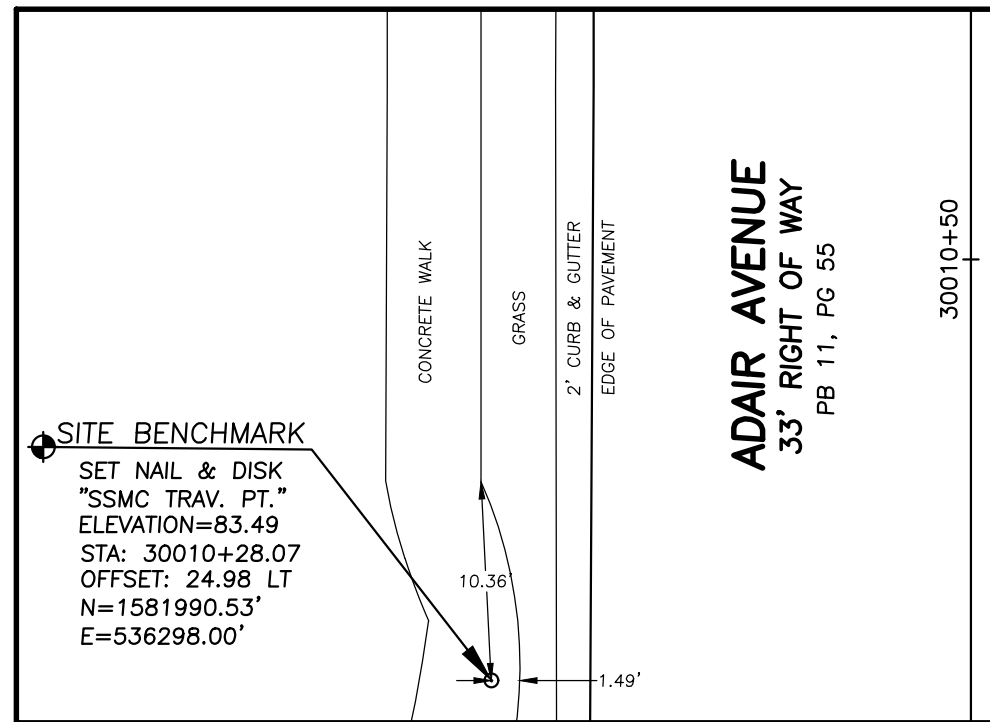
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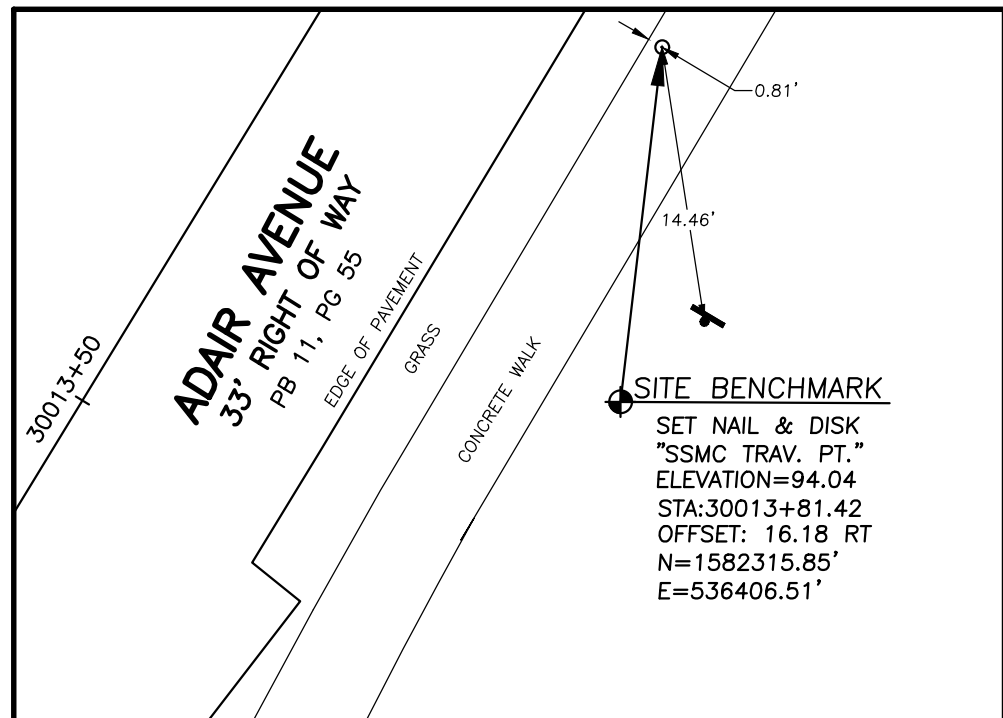
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SEE SHEET 12



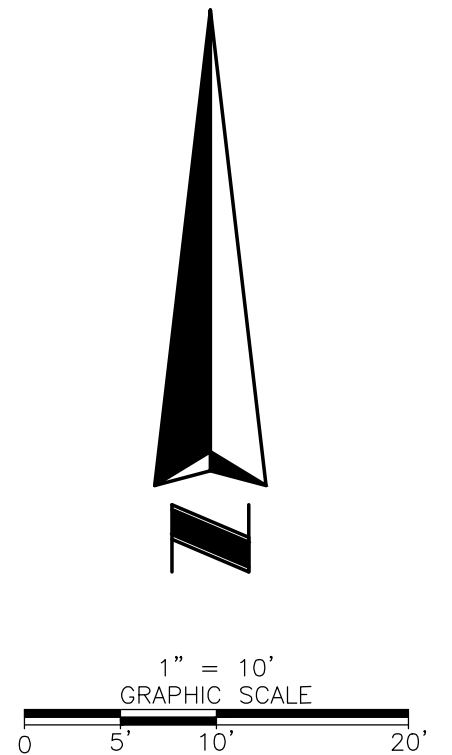
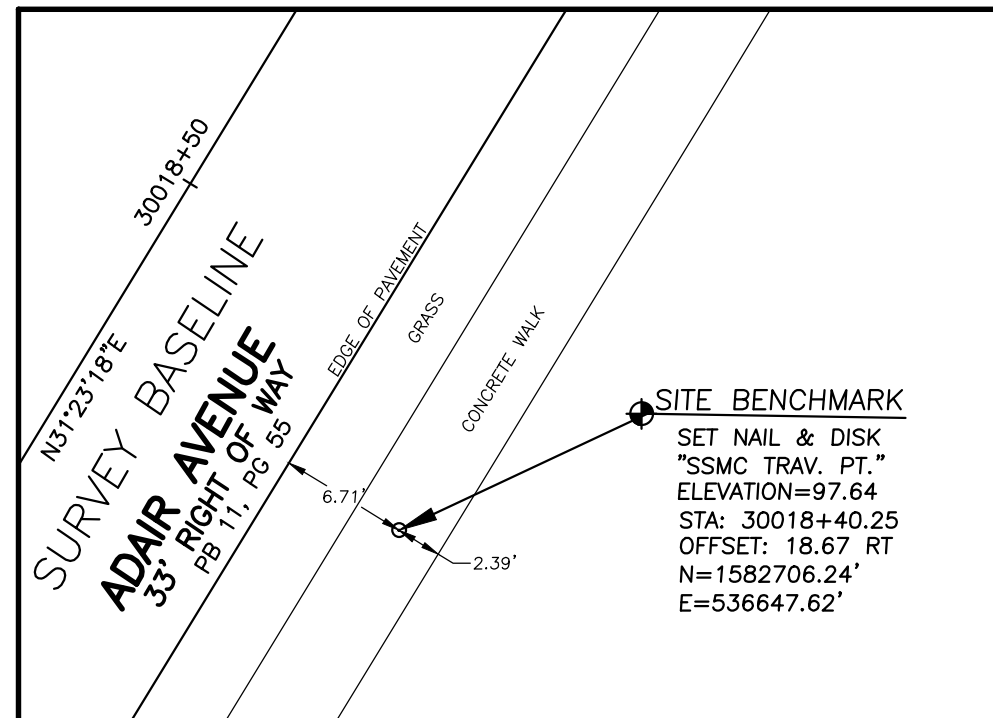
BENCHMARK 23

SEE SHEET 13



BENCHMARK 24

SEE SHEET 14



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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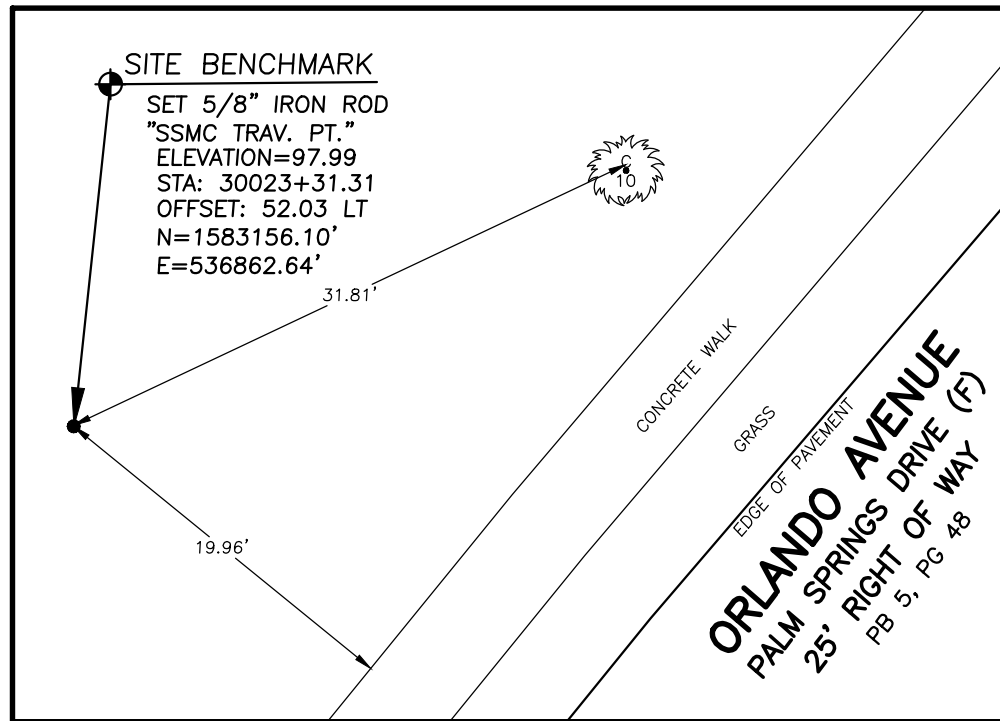
SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

BENCHMARKS 21-24

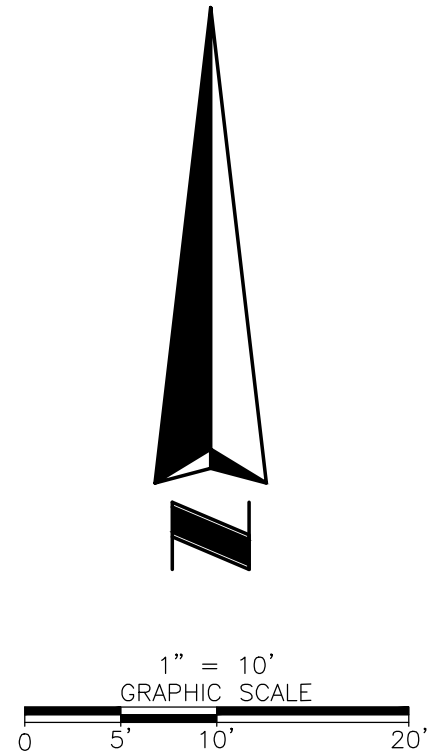
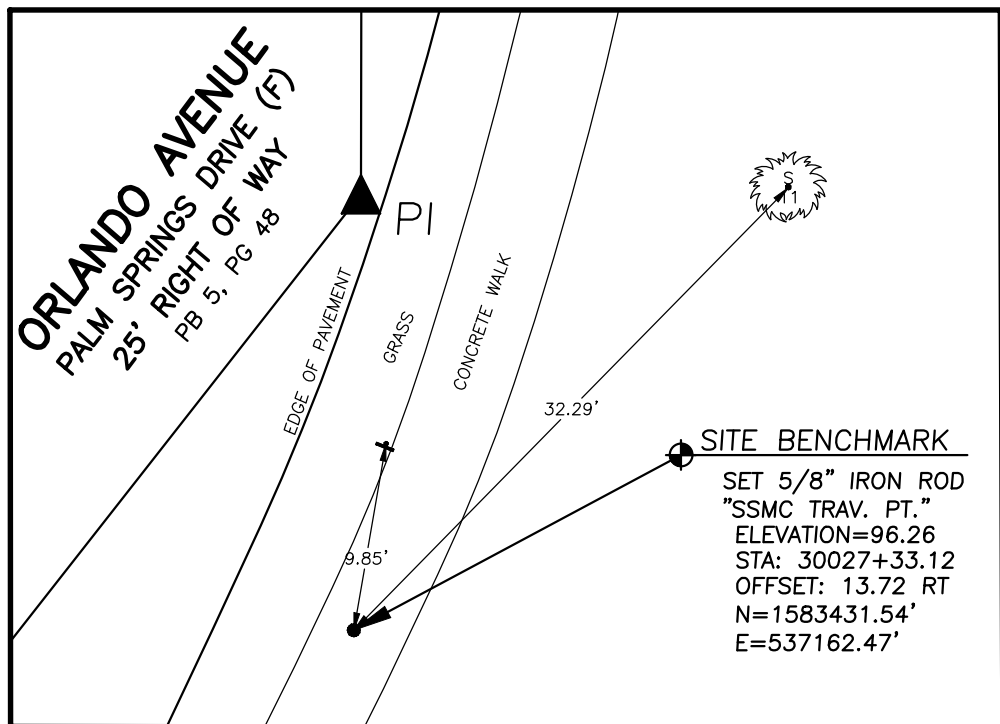
SHEET NO.

49

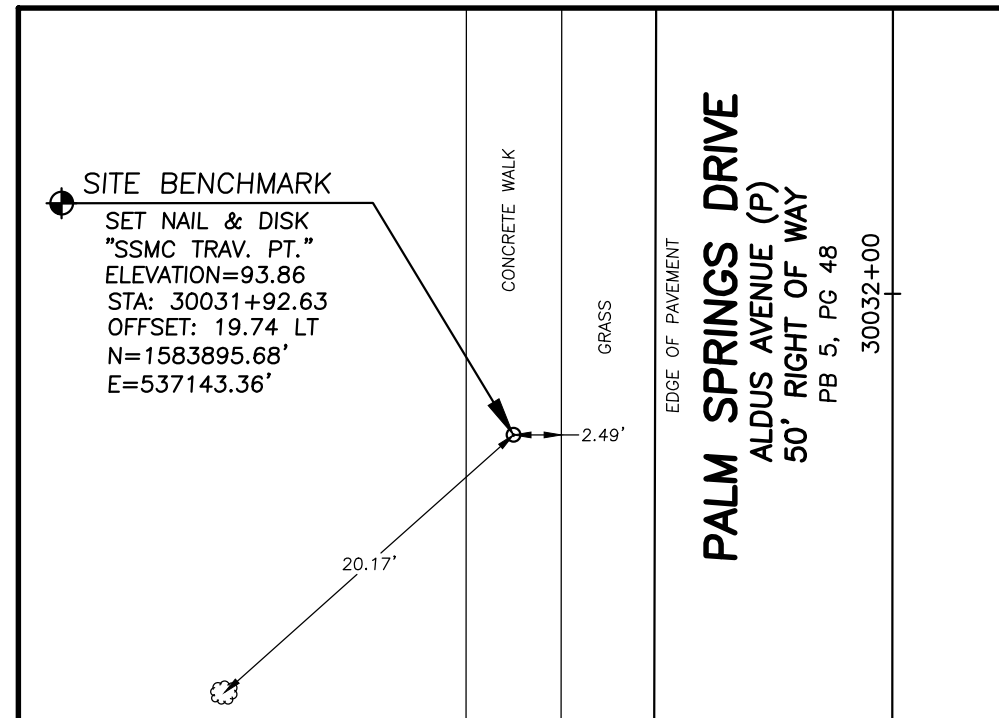
BENCHMARK 25
SEE SHEET 15



BENCHMARK 26
SEE SHEET 15



BENCHMARK 27
SEE SHEET 16



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

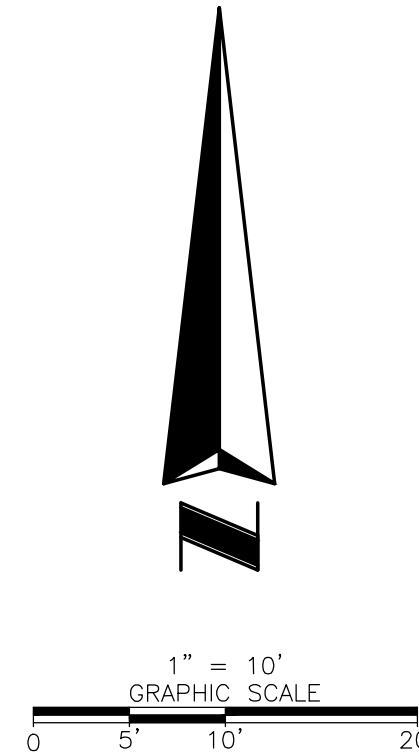
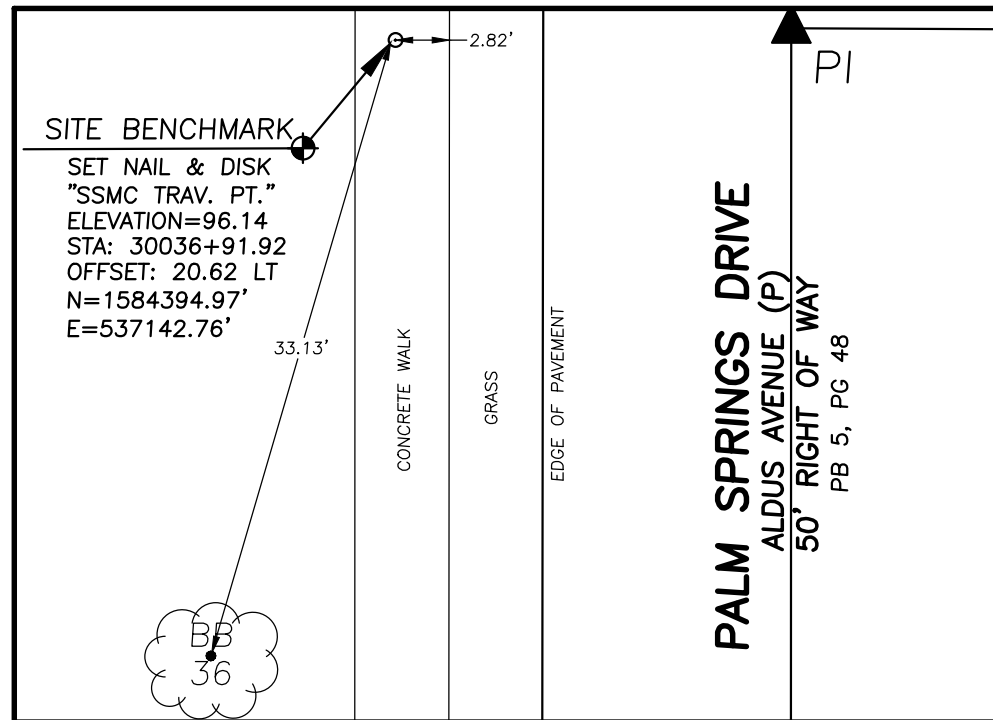
SSMC
SUE = SURVEY = GIS

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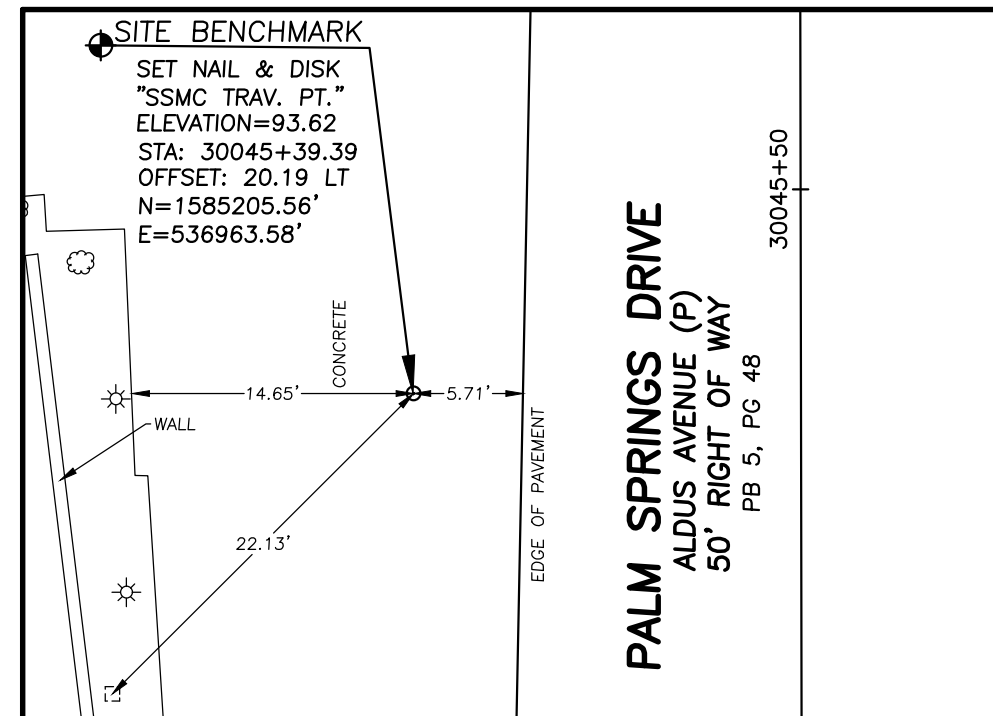
SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

BENCHMARKS 25-27	
SHEET NO. 50	

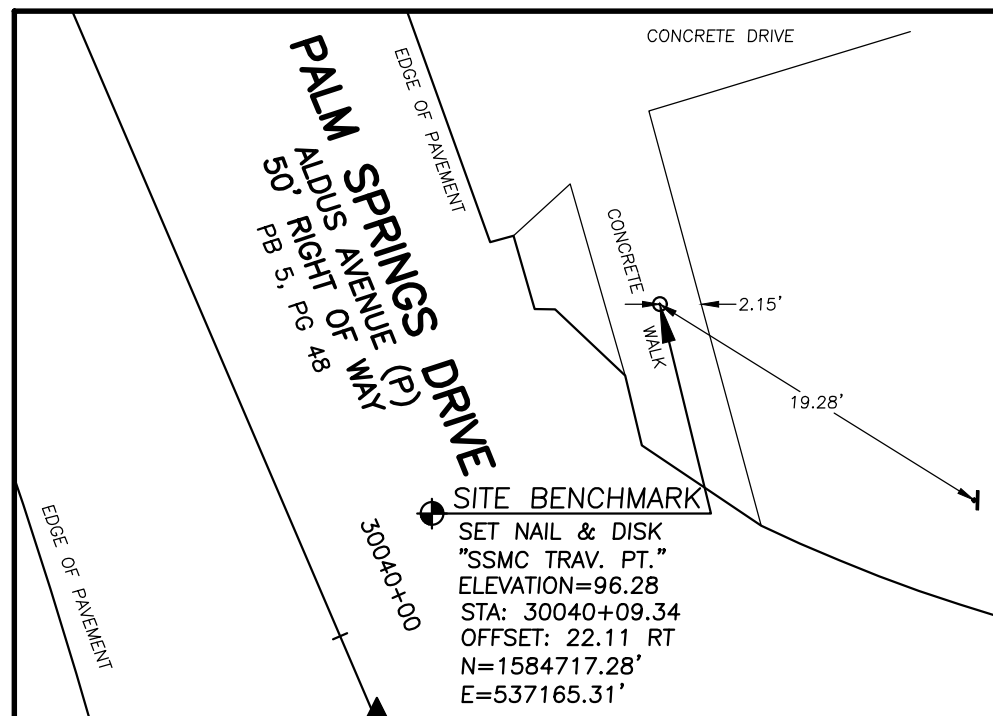
BENCHMARK 28
SEE SHEET 16




BENCHMARK 30
SEE SHEET 17



BENCHMARK 29
SEE SHEET 17



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


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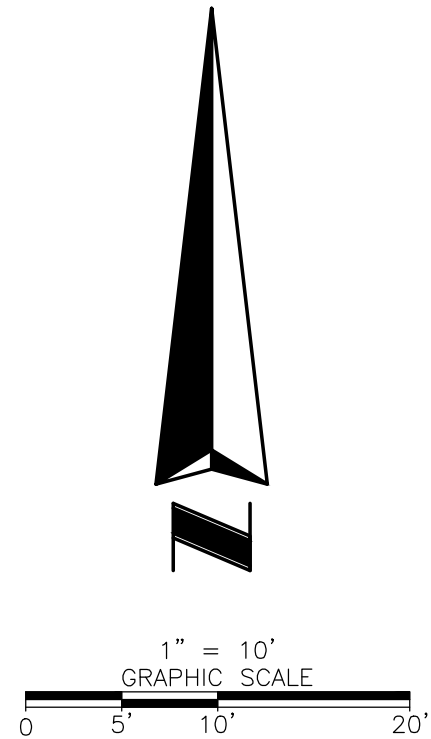
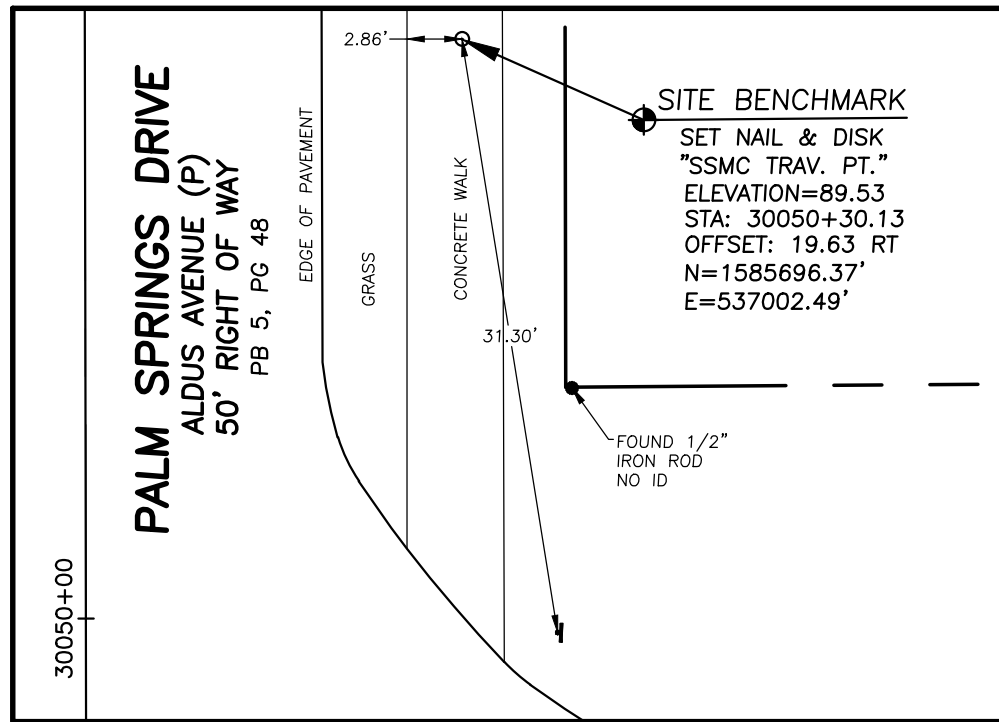
SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

BENCHMARKS 28-30

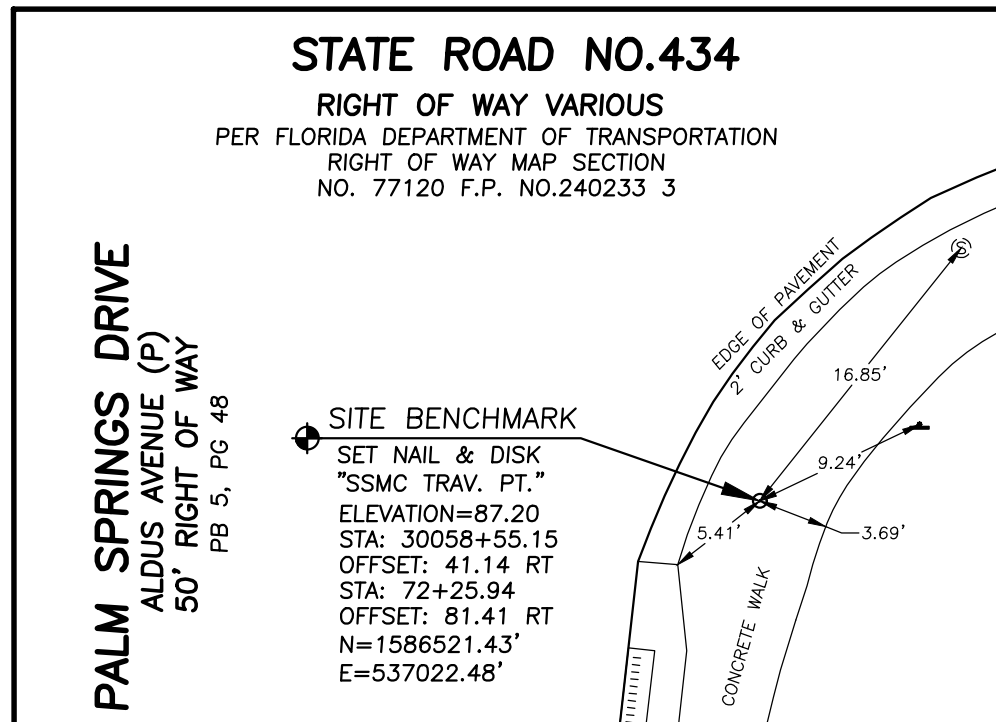
SHEET NO.

51

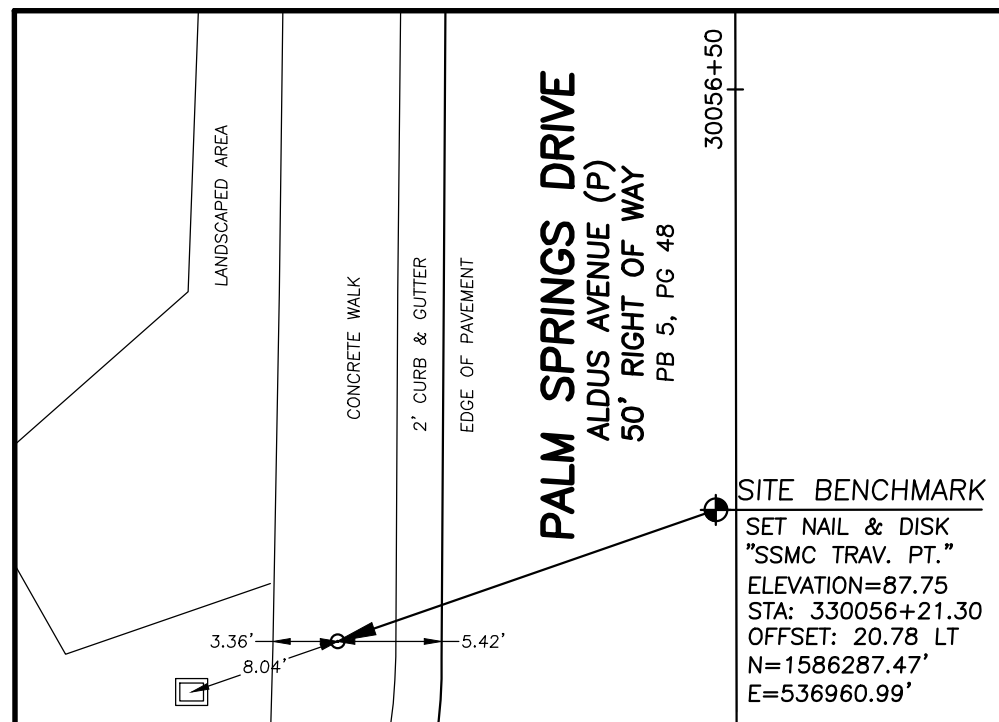
BENCHMARK 31
SEE SHEET 18




BENCHMARK 33
SEE SHEET 19



BENCHMARK 32
SEE SHEET 18



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


WILLIAM C. ROWE, PSM
 Registered Land Surveyor
 Number 5225
 6500 All American Boulevard
 Orlando, Florida 32810-4350
 (407) 292-8580
 Certification Number LB2108

SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH 01907084
 ST., PALM SPRINGS DR.


SHEET NO.
 BENCHMARKS 31-33
 52

GENERAL NOTES

1. APPARENT ERRORS, DISCREPANCIES, OR OMISSIONS ON THE DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE BIDDING. AFTER BIDDING, THE CONTRACTOR SHALL BRING ANY DESIGN DISCREPANCIES TO THE IMMEDIATE ATTENTION OF THE ENGINEER IN WRITING, PRIOR TO CONSTRUCTION OR AS SOON AS DISCOVERED.
2. EXERCISE CARE NOT TO DISTURB EXISTING SURVEY MONUMENTS OR PUBLIC LAND CORNERS. SHOULD ANY MONUMENTS BE DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION, THEY SHALL BE REPLACED, AT THE CONTRACTOR'S EXPENSE, BY A LICENSED SURVEYOR, REGISTERED IN THE STATE OF FLORIDA, AND APPROVED BY SEMINOLE COUNTY.
3. BENCHMARK DATA IS FROM FOUND BENCHMARKS ON THE EXISTING PLANS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88).
4. ANY NAVD-88 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL CONTACT THE GEODATIC INFORMATION CENTER.
5. GRADES SHOWN IN THE PLANS ARE FINISHED GRADES.
6. PURSUANT TO 62-330.447, FLORIDA ADMINISTRATIVE CODE (F.A.C.), AN ENVIRONMENTAL RESOURCE PERMIT IS REQUIRED. PLEASE BE ADVISED THAT THIS DETERMINATION DOES NOT INCLUDE OTHER AGENCIES POSSIBLE PERMITTING REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY OTHER REQUIRED PERMITS AND PAYING ALL ASSOCIATED PERMIT FEES. COPIES OF THESE PERMITS SHALL BE KEPT ON SITE BY THE CONTRACTOR.
7. REVIEW ALL PERMITS AND PERMIT EXCEPTIONS LOCATED IN THE CONTRACT DOCUMENTS PRIOR TO THE BIDDING ON THE PROJECT AND BECOME FAMILIAR WITH ALL OF THE CONDITIONS OF THESE DOCUMENTS. THE CONTRACTOR SHALL INSURE THAT THE CONSTRUCTION ACTIVITIES ARE IN COMPLIANCE WITH THESE PERMITS.
8. ABIDE BY ALL U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL OF STORMWATER DISCHARGE FROM CONSTRUCTION SITES UNDER THE EPA NPDES (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM) PROGRAM. THE CONTRACTOR SHALL DEVELOP A DETAILED EROSION CONTROL PLAN AND OBTAIN THE NPDES PERMIT FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). THE EROSION CONTROL PLAN SHALL BE IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND THE DRAWINGS HEREIN IN ORDER TO MINIMIZE EROSION AND DISCHARGE OF SEDIMENTS INTO COUNTY STORMWATER MANAGEMENT SYSTEM DURING CONSTRUCTION. THE PLAN SHALL BE KEPT AT THE CONSTRUCTION SITE AND SHALL BE AVAILABLE FOR REVIEW UPON REQUEST.
9. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE CONDITION EXISTING BEFORE COMMENCING CONSTRUCTION WORK, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. COST TO BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION TO BE ALLOWED.
10. ALL SWALED AREAS AND PAVED SURFACES SHALL BE GRADED TO DRAIN POSITIVELY IN THE DIRECTION INDICATED ON THE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH THE ABOVE WITHIN THE AVAILABLE RIGHT-OF-WAY UNLESS OTHERWISE NOTED IN THE PLANS OR CONSTRUCTION DOCUMENTS. ANY CONSTRUCTION EASEMENTS OR OTHER LEGAL AGREEMENTS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR. THE ENGINEER SHALL BE CONSULTED FOR ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS AND TO GIVE SUPPLEMENTARY INSTRUCTIONS TO ACCOMPLISH THE INTENT OF THE PLANS.
11. CONSTRUCTION MUST BE PHASED TO ALLOW CONTINUAL ACCESS TO PRIVATE PROPERTY. THE CONTRACTOR SHALL PROVIDE SEMINOLE COUNTY AND THE ENGINEER WITH A CONSTRUCTION PHASING SCHEDULE PRIOR TO ANY WORK, DETAILING HOW PRIVATE ACCESS IS TO BE MAINTAINED. THE CONTRACTOR SHALL PLAN AND SCHEDULE THE SEQUENCE OF WORK IN ORDER TO PREVENT UNNECESSARY DELAYS OR COSTS ASSOCIATED WITH CRITICAL PATH ITEMS OF THE WORK. SEE THE TEMPORARY TRAFFIC CONTROL PLANS, INCLUDED IN THIS SET, FOR ADDITIONAL INFORMATION.
12. LIMITS OF SODDING INDICATED ARE APPROXIMATE AND ARE TO BE ADJUSTED WHERE NECESSARY, AS DIRECTED BY THE ENGINEER, TO PROVIDE FOR CONTINUITY OF CONSTRUCTION OR TO SUIT THE ACTUAL REQUIREMENTS. ALL PROPOSED LANDSCAPING SHALL BE MAINTAINED IN A SATISFACTORY CONDITION BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY SEMINOLE COUNTY.
13. ALL EXISTING AND INSTALLED STORM SEWER LINES AND INLETS SHALL BE CLEANED OF DEBRIS AND ERODED MATERIALS DURING THE LAST STAGES OF CONSTRUCTION. THE COST OF THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION. BEFORE COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ALL EXISTING DRAINAGE PROBLEMS OR DRAINAGE PROBLEMS THAT WILL BE CREATED BY THIS CONSTRUCTION.
14. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY DURING STABILIZATION OPERATIONS AT THESE LOCATIONS.
15. TEMPORARY DRAINAGE SHALL BE PROVIDED DURING CONSTRUCTION TO ELIMINATE ANY FLOODING OF PRIVATE PROPERTY AND EXISTING ROADWAYS CAUSED BY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PROVIDE ADDITIONAL DRAINAGE AT NO ADDITIONAL COST TO THE OWNER.
16. WHEN ENCOUNTERED, UNSUITABLE AND ASSOCIATED EXCAVATED MATERIALS SHALL BE REMOVED FROM THE RIGHT-OF-WAY AND BACKFILLED WITH SUITABLE MATERIALS. UNSUITABLE MATERIALS SHALL BE DISPOSED OF IN A LEGAL MANNER AND APPROVED BY THE OWNER.
17. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED. THE COST OF REMOVAL SHALL BE INCLUDED IN ITEM 110-1-1.
18. MAINTAIN EQUIPMENT AND MATERIAL STORAGE YARD UNLESS PROVIDED BY THE COUNTY.
19. FIELD VERIFY AND PROVIDE ALL STORM SEWER DRAINAGE INVERTS PRIOR TO SUBMITTING SHOP DRAWINGS.
20. DIGITALLY VIDEO RECORD THE EXISTING CONDITION OF ALL FENCE, GATES, AND FENCE HARDWARE LOCATED ALONG THE PROJECT CORRIDOR PRIOR TO BEGINNING CONSTRUCTION. ANY FENCE, GATES, AND FENCE HARDWARE THAT ARE DAMAGED PRIOR TO FINAL ACCEPTANCE BY SEMINOLE COUNTY SHALL BE REPLACED IN KIND AT NO ADDITIONAL COST TO THE OWNER. THIS SHALL BE INCLUDED IN THE COST OF THE PROJECT.
21. TRAFFIC SIGNAL HEADS SHALL BE ADJUSTED/RELOCATED TO BE IN LINE WITH THE SHIFTED TRAFFIC PATTERNS DURING AND AFTER CONSTRUCTION. COST SHALL BE INCLUDED IN THE COST OF MAINTENANCE OF TRAFFIC.
22. SUBMIT SIX COPIES OF SHOP DRAWINGS TO THE COUNTY ON ALL STRUCTURES AND RECEIVE BACK THE APPROVED SHOP DRAWINGS FROM THE COUNTY BEFORE COMMENCING WORK ON THE STRUCTURE.
23. PROVIDE VERTICAL AND HORIZONTAL AS-BUILT INFORMATION RELATED TO ALL CONSTRUCTED UTILITIES AND STRUCTURES PRIOR TO FINAL INSPECTION IN ACCORDANCE WITH SEMINOLE COUNTY SPECIFICATIONS. ALL AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED, SEALED AND DATED BY THE RESPONSIBLE PARTY. AS-BUILT INFORMATION SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING: LOCATION OF ALL VALVES, FITTINGS, MANHOLES, INLETS, RAMPS, ETC., HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION WHICH DEVIATES FROM THE APPROVED ENGINEERING DRAWINGS, HORIZONTAL AND VERTICAL DATA FOR ALL STORM AND SANITARY SEWER PIPES USING CCTV EQUIPMENT, AND A CD WITH CCTV VIDEO OF ALL STORMWATER PIPES, MANHOLES, AND JOINTS.
24. ALL AFFECTED SIDEWALKS, RAMPS, AND CROSSWALKS WILL BE CONSTRUCTED AND INSPECTED TO MEET ADA REQUIREMENTS.
25. ANY PUBLIC LAND CORNER OR COUNTY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE SEMINOLE COUNTY SURVEYOR, SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT, IMMEDIATELY BY PHONE AT (407) 665-5656
26. ONE WEEK PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A "CONSTRUCTION PERMIT" FROM SEMINOLE COUNTY PUBLIC WORKS, ENGINEERING DIVISION. CONTACT PERMIT COORDINATOR AT 100 E. FIRST STREET, SANFORD, FLORIDA 32773. TELEPHONE (407) 665+5674. NO FEES REQUIRED.
27. BEFORE THE RELOCATION OR REMOVAL OF ANY TREE ALONG STATE ROAD 434 AND AT THE INTERSECTION OF STATE ROAD 434 WITH RAYMOND AVENUE, CONTRACTOR MUST COORDINATE WITH CITY OF LONGWOOD ASSISTANT CITY ENGINEER ERIC NAGOWSKI AT ENAGOWSKI@LONGWOODFL.ORG
28. ALL CURB RAMPS SHALL HAVE DETECTABLE WARNINGS PER FDOT STANDARD PLANS INDEX 522-002. ALL FLUSH SHOULDER SIDEWALK ROADWAY CROSSINGS SHALL USE FDOT STANDARD PLANS INDEX 522-002 SHEET 6 OPTION B.
29. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH FDOT MAINTENANCE PRIOR TO THE START OF CONSTRUCTION.

PAY ITEM NOTES

1. THE COST OF CURB FLUMES ARE INCLUDED IN THE COST OF ITEM 0520 1 10 TYPE F CURB AND GUTTER.
2. 522-2 INCLUDES THE COST OF CURB RAMPS AND SIDEWALK MONOLITHIC CAST CURB.
3. RIBBON CURB IS PAID FOR UNDER ITEM 0520 1 10 TYPE F CURB AND GUTTER.

REVISIONS				 TYLER J. VALILA, P.E. LICENSE No. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		53

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

UTILITY NOTES

1. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON PLAN SHEETS HAVE BEEN DETERMINED FROM FIELD SURVEYS AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY CONFLICTS AND NOTIFY THE ENGINEER OF ANY UNIDENTIFIED RELOCATIONS REQUIRED. THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS A MINIMUM OF SEVEN (7) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION. RECORDS OF ALL NOTICES SHALL BE SUBMITTED TO THE COUNTY ENGINEER UPON REQUEST. THE CONTRACTOR SHALL VERIFY THAT THE UTILITY COMPANIES HAVE BEEN PROPERLY NOTIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. ALL EXISTING UNDERGROUND UTILITIES THAT ARE ACTIVE SHALL REMAIN IN PLACE UNTIL THE NEW FACILITIES ARE OPERATIONAL. SHOULD ANY UTILITY INTERFERE WITH THE PROPOSED CONSTRUCTION, THEY SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANY, AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE FOR THE RELOCATION OF VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT, AND NO EXTRA COMPENSATION SHALL BE ALLOWED.
2. CHAPTER 17-153 OF THE FLORIDA STATUTES REQUIRES THAT THE COMPANY PERFORMING THE EXCAVATION WORK SHALL NOTIFY ALL GAS UTILITIES A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO EXCAVATING. DRAWINGS SHOW ONLY THE APPROXIMATE LOCATION OF GAS MAINS (IF ANY ARE PRESENT), AND DO NOT SHOW SERVICE LINES. THE ONLY SAFE AND PROPER WAY TO LOCATE EITHER MAINS OR SERVICE LINES IS BY AN ON-SITE INSPECTION BY GAS SYSTEM PERSONNEL. THEREFORE, THE COMPANY PERFORMING THE EXCAVATION WORK IS INSTRUCTED TO TELEPHONE SUNSHINE STATE ONE CALL AT 1-800-432-4770 AT LEAST THREE (3) WORKING DAYS BEFORE DIGGING IN THE CONSTRUCTION AREA. NO MACHINE EXCAVATION SHALL BE PERFORMED WITHIN FIVE (5) FEET OF A GAS MAIN WITHOUT THE UTILITY OWNERS PRESENCE.
3. THE CONTRACTOR IS TO CONTACT THE SUNSHINE STATE ONE CALL OF FLORIDA, INC. CENTER (1-800-432-4770) AT LEAST TWO (2) DAYS (48 HOURS) PRIOR TO THE START OF CONSTRUCTION (PER CHAPT. 556 OF THE F.S.)
4. DAMAGE TO UTILITIES OR STRUCTURES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE AND IN A MANNER APPROVED BY THE UTILITY OWNER.
5. ALL STAKING OF PROPOSED CONSTRUCTION TO ALLOW FOR PROPER INSTALLATION/RELOCATION OF UTILITY FEATURES, AS MAY BE INDICATED WITHIN THESE PLANS, SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER OF THE IMPACTED UTILITY AND STAKE THE ITEMS REQUESTED. THIS STAKING SHALL BE SEPARATE AND IN ADDITION TO THE NORMAL STAKING FOR THE PROJECT. THE COST OF THIS STAKING SHALL BE INCIDENTAL TO AND INCLUDED IN THE COST OF THE PROJECT.
6. EXISTING IRRIGATION LINES/SYSTEMS IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE ADJUSTED AS NECESSARY TO RELOCATE OUTSIDE OF THE PROPOSED IMPROVEMENTS, COST OF WHICH SHALL BE INCIDENTAL TO THE PAYMENT CONCRETE SIDEWALK (4" OR 6").
7. THE CONTRACTOR SHALL ADJUST ALL UTILITY MANHOLES AND VALVE BOXES LOCATED IN THE PAVEMENT AREA. THE CONTRACTOR SHALL CONTACT THE APPLICABLE UTILITY COMPANY TO FURNISH MANHOLE RINGS AND COVERS OR VALVE BOXES AS REQUIRED.
8. UTILITY COMPANIES

BRIGHTHOUSE (CHARTER/SPECTRUM)
MARVIN USRY
(407) 532 - 8509
MARVIN.USRYJR@CHARTER.COM

DUKE ENERGY DISTRIBUTION
ROBB BROWN
(352) 459 - 4671
ROBB.BROWN@DUKE-ENERGY.COM
CC: DEFDISTRICTIONGOV@DUKE-ENERGY.COM

VERIZON
TIM COLE
(407) 618 - 2078
TIMOTHY.COLE@VERIZON.COM

CENTURYLINK
MARLON BROWN
(407) 830 - 3359
MARLON.N.BROWN@CENTURYLINK.COM
CC: RELOCATIONS@LUMEN.COM

DUKE ENERGY TRANSMISSION
JENNIFER WILLIAMS
(813) 909 - 1210
JEWILLIAMS@PIKE.COM
CC: DEFTRANSMISSIONGOV@DUKE-ENERGY.COM
CC: AROGERS@PIKE.COM

CITY OF ALTAMONTE SPRINGS
BRUCE DOIG
(407) 571 - 8538
BDOIG@ALTAMONTE.ORG


SEMINOLE COUNTY
PAUL ZIMMERMAN
(407) 665 - 2021
PZIMMERMAN@SEMINOLECOUNTYFL.GOV

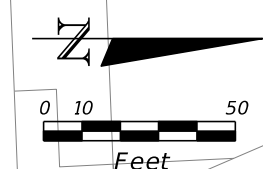
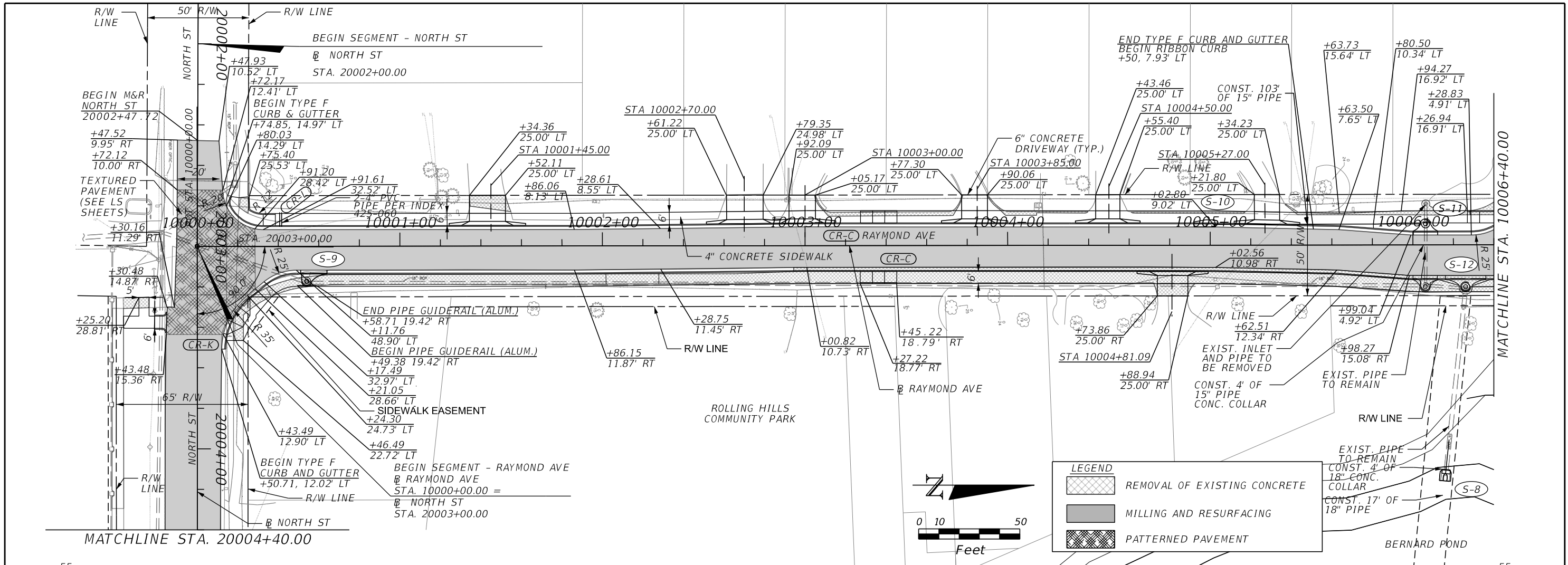
CITY OF LONGWOOD
SHAD SMITH
(407) 263 - 2378
SSMITH@LONGWOODFL.ORG

TECO PEOPLES GAS
SHAWN WINSOR
(407) 420 - 6663
SWINSOR@TECOENERGY.COM

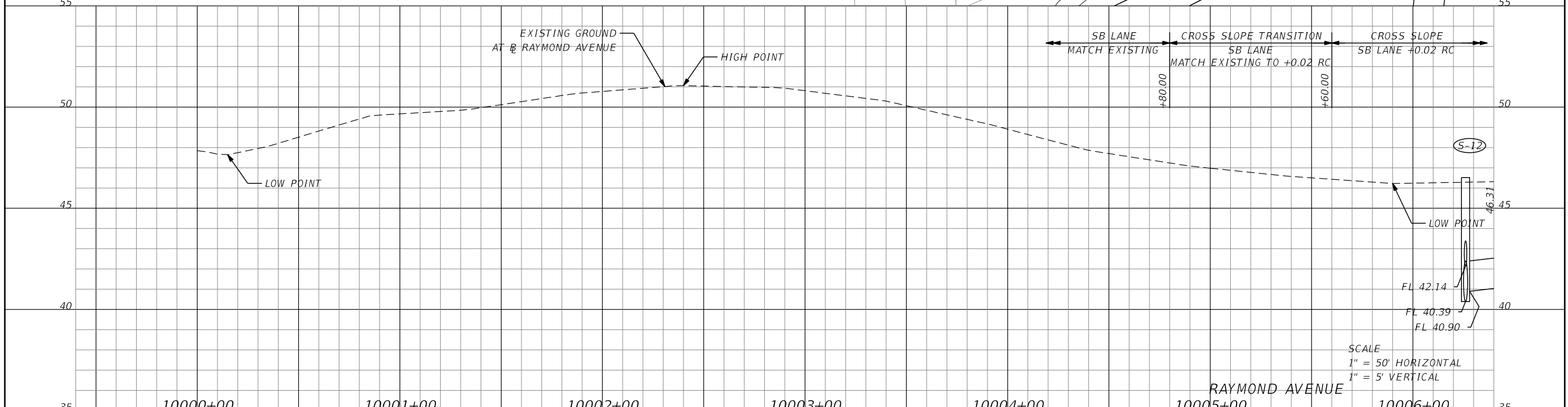
CROWN CASTLE
DANNY HASKETT
(786) 246 - 7827
DANNY.HASKETT@CROWNCastle.COM
CC: SOUTHFLORIDAPLANSREVIEW@CROWNCastle.COM

UTILITIES INC OF FL SANLANDO
BRYAN GONGRE
(866) 842 - 8432 X 1360
BKGONGRE@UIWATER.COM

REVISIONS				 TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
								RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.



LEGEND	
	REMOVAL OF EXISTING CONCRETE
	MILLING AND RESURFACING
	PATTERNED PAVEMENT



SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
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 ORLANDO, FL 32801
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

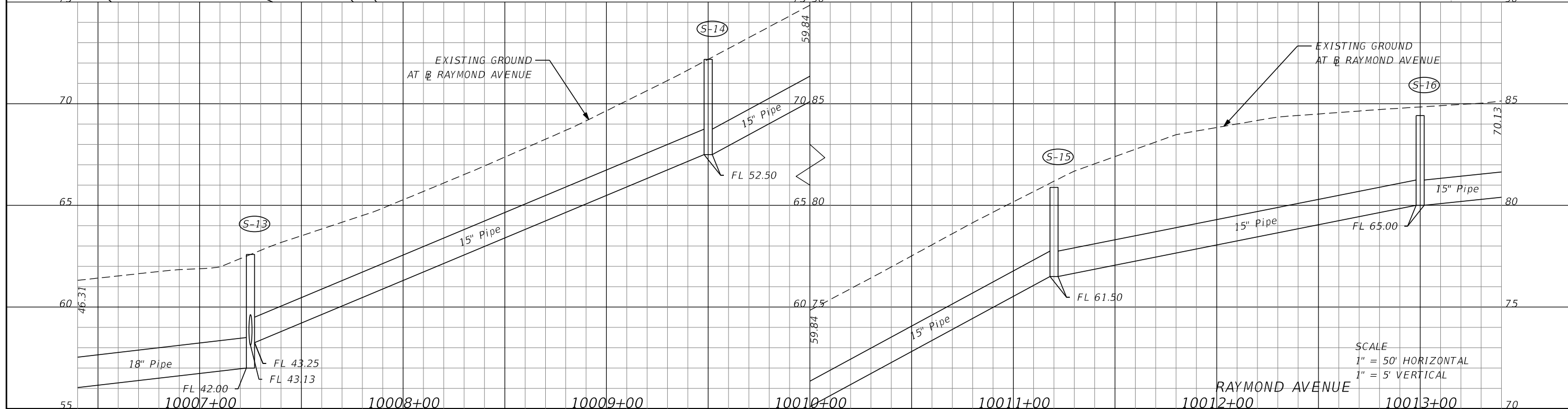
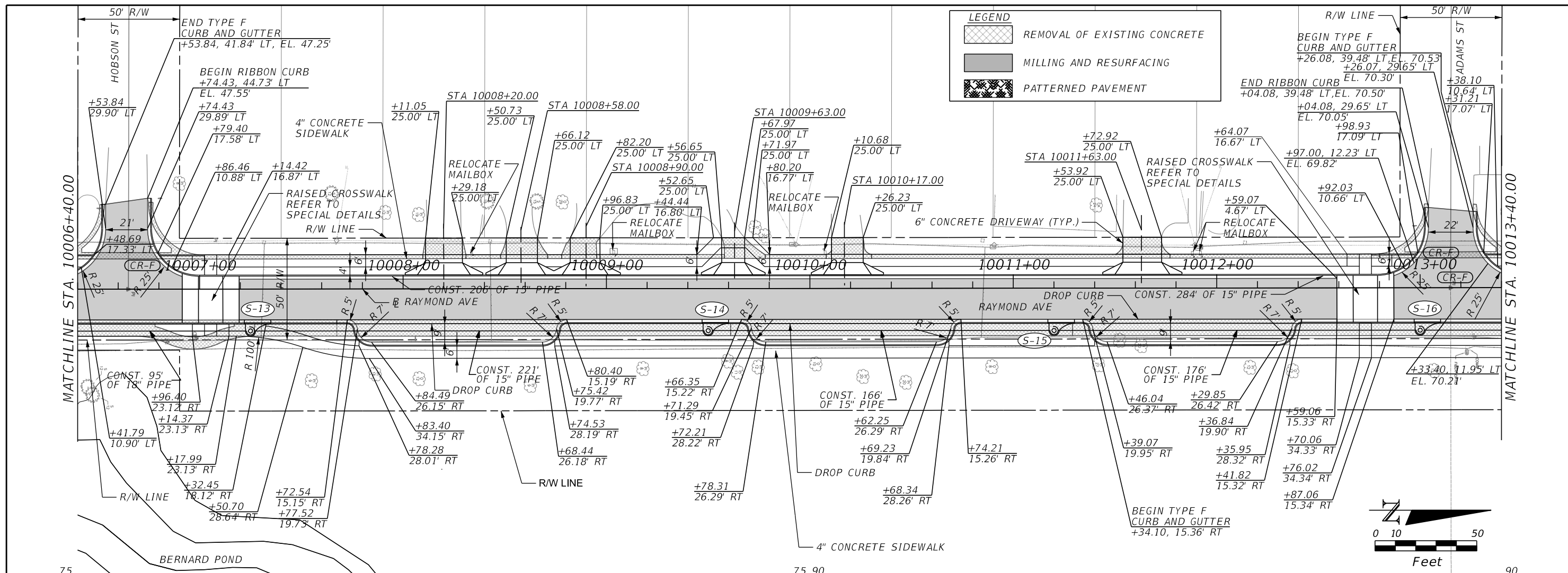
ROAD	COUNTY CIP No.
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RAYMOND AVENUE

PLAN-PROFILE SHEET (1)

SHEET NO.	55
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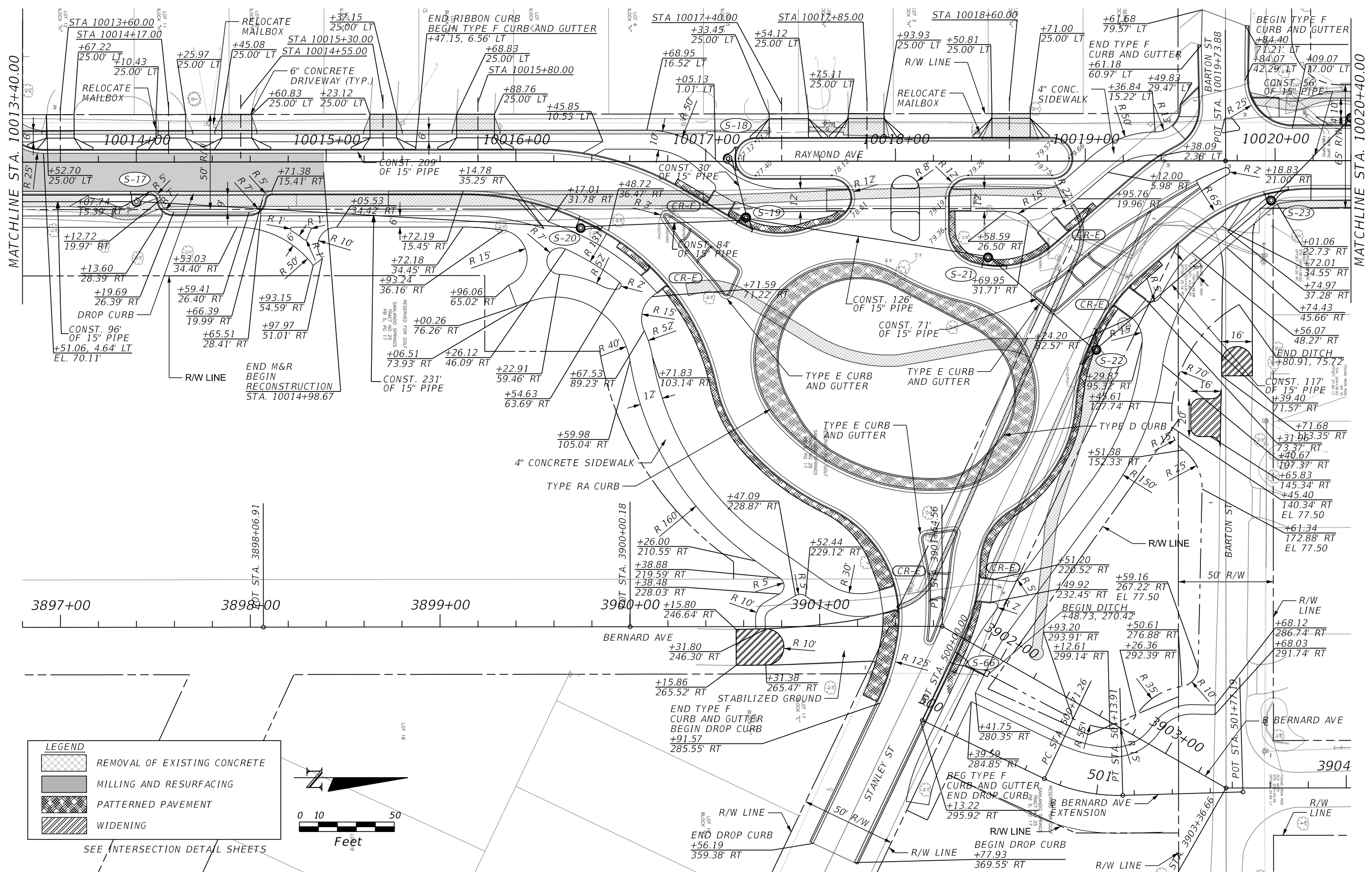
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SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR.
 COUNTY CIP No.: 01907084

PLAN-PROFILE SHEET (2)
 SHEET NO. 56

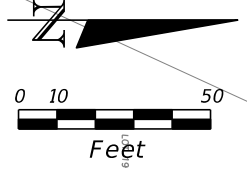
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LEGEND

- REMOVAL OF EXISTING CONCRETE
- MILLING AND RESURFACING
- PATTERNED PAVEMENT
- WIDENING

SEE INTERSECTION DETAIL SHEETS



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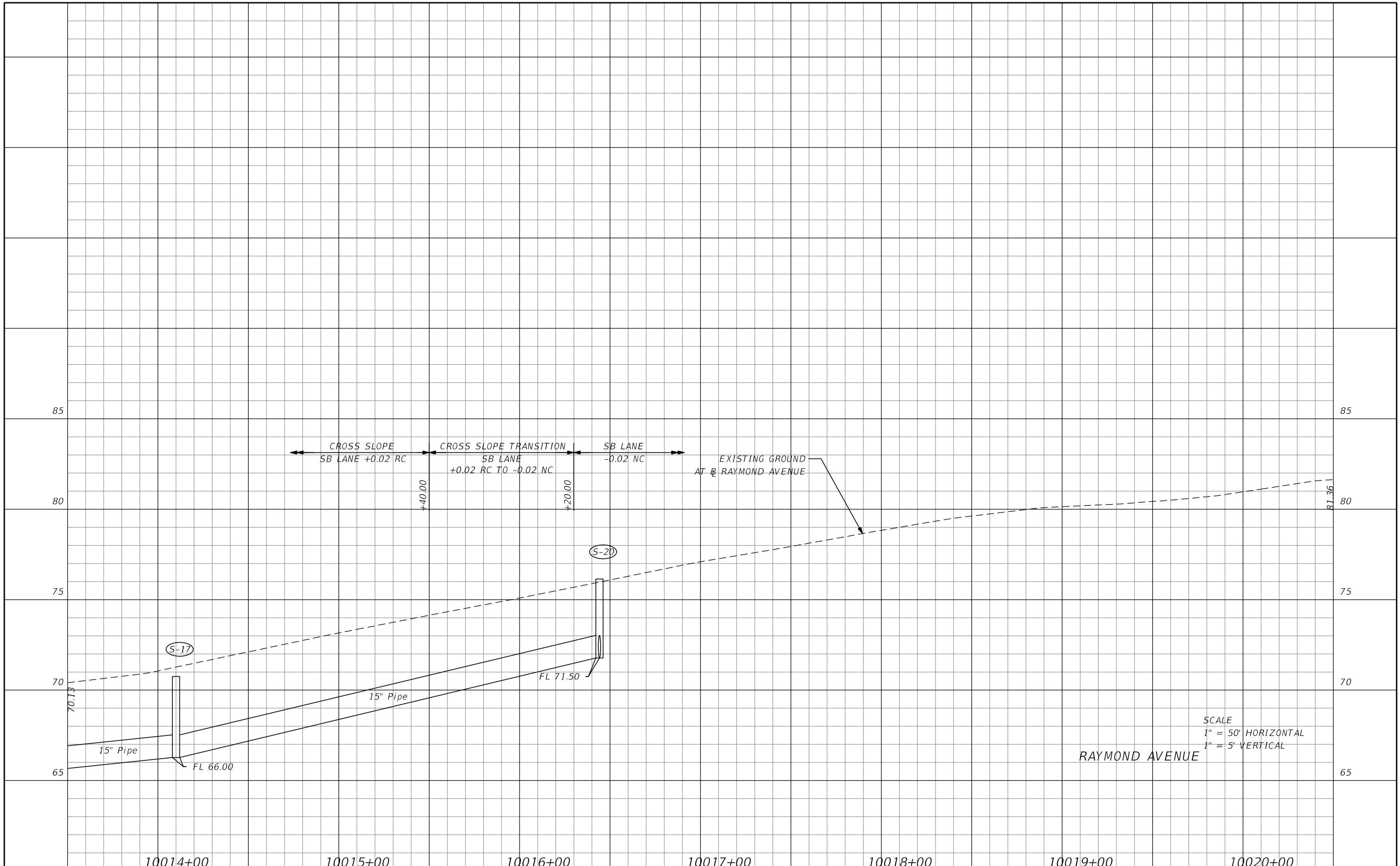
**SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1**

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

PLAN SHEET (3)

SHEET NO.
57

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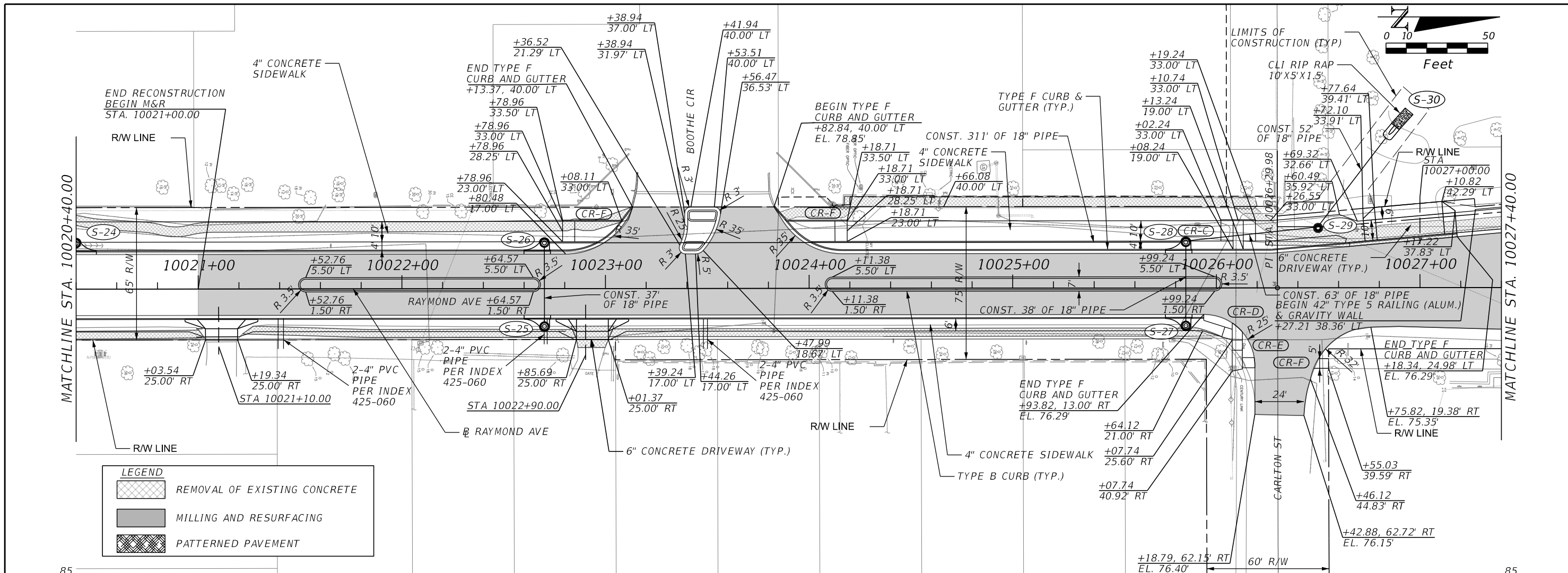


SEMINOLE COUNTY
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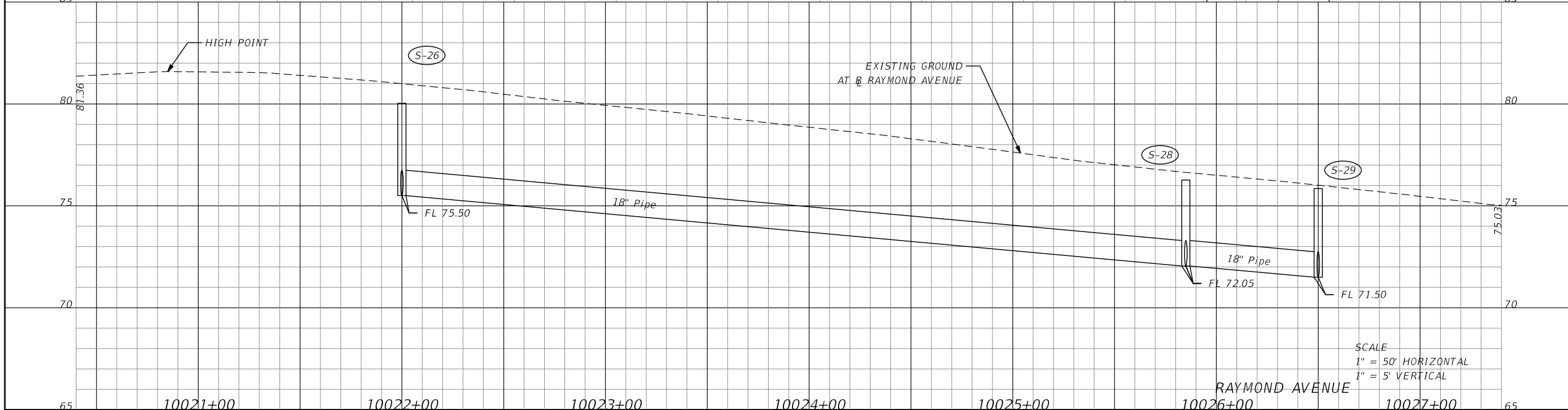
PROFILE SHEET (4)

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 58

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LEGEND	
	REMOVAL OF EXISTING CONCRETE
	MILLING AND RESURFACING
	PATTERNED PAVEMENT

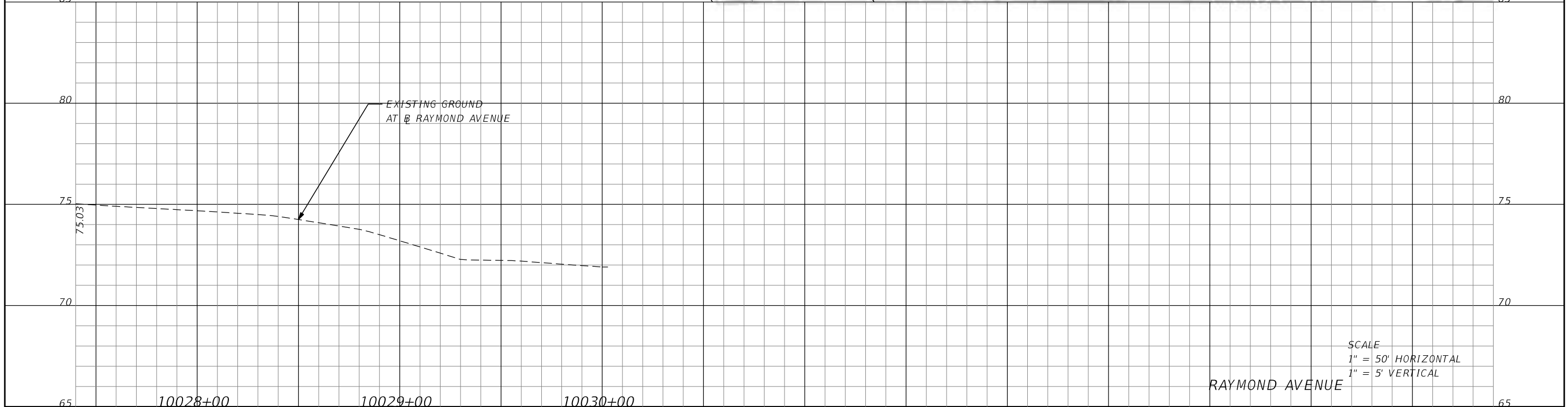
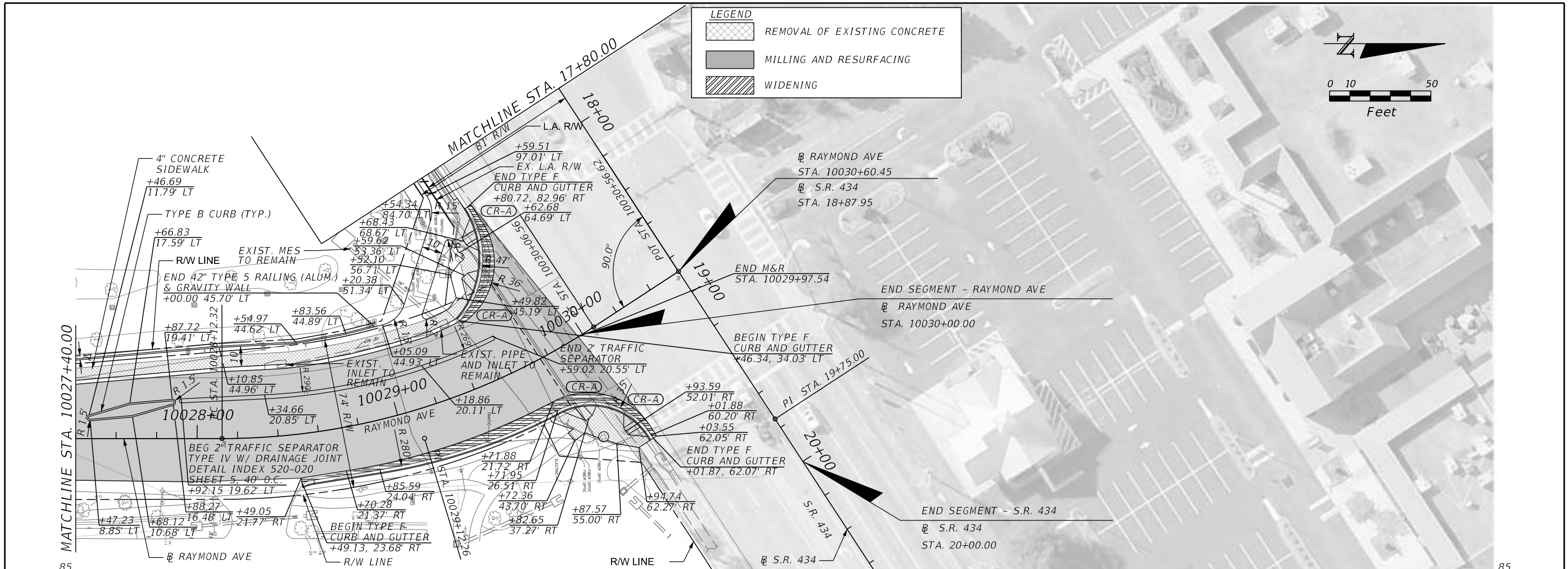
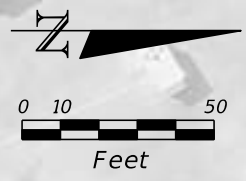


REVISIONS		REVISIONS		TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1 ROAD COUNTY CIP No. RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084		PLAN-PROFILE SHEET (5) SHEET NO. 59
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.	
							SCALE 1" = 50' HORIZONTAL 1" = 5' VERTICAL

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LEGEND

-  REMOVAL OF EXISTING CONCRETE
-  MILLING AND RESURFACING
-  WIDENING



SCALE
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 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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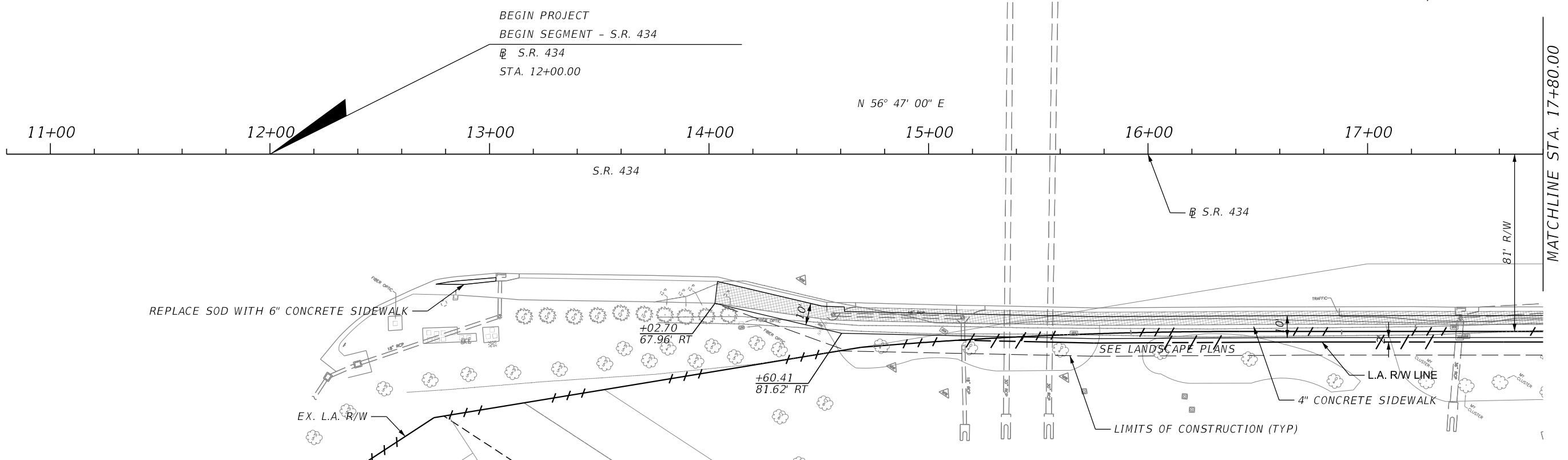
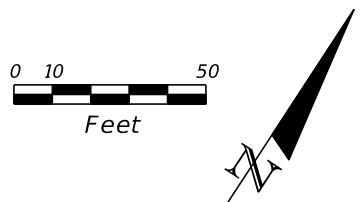
PLAN-PROFILE SHEET (6)

SHEET NO.
 60

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LEGEND

- REMOVAL OF EXISTING CONCRETE
- MILLING AND RESURFACING
- PATTERNED PAVEMENT



NO PROFILE THIS SHEET			
			SR 434

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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SEMINOLE COUNTY
ENGINEERING DIVISION
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RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

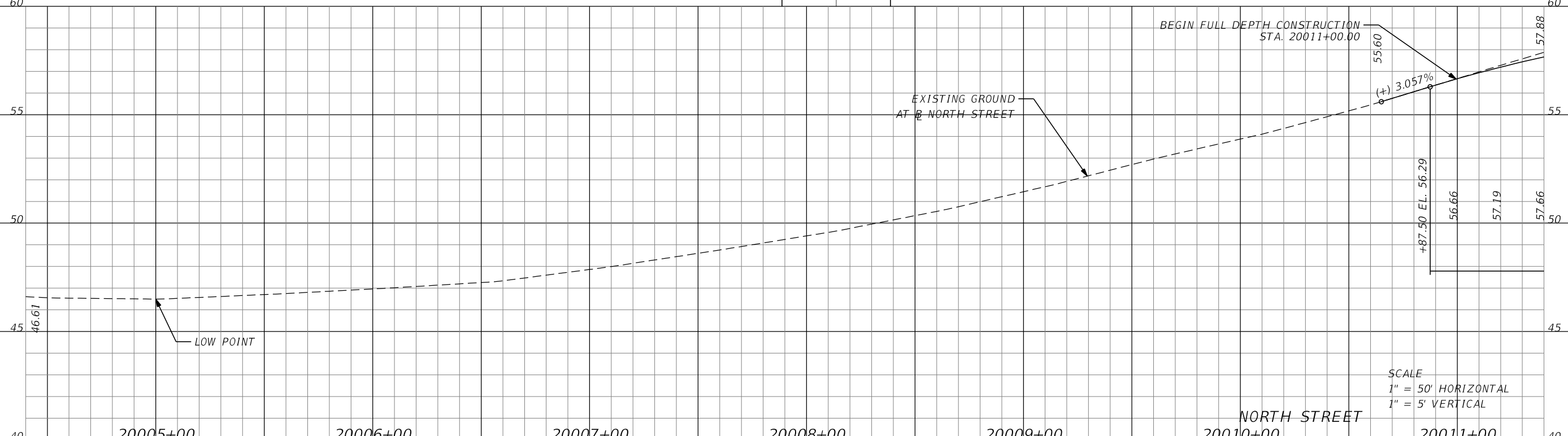
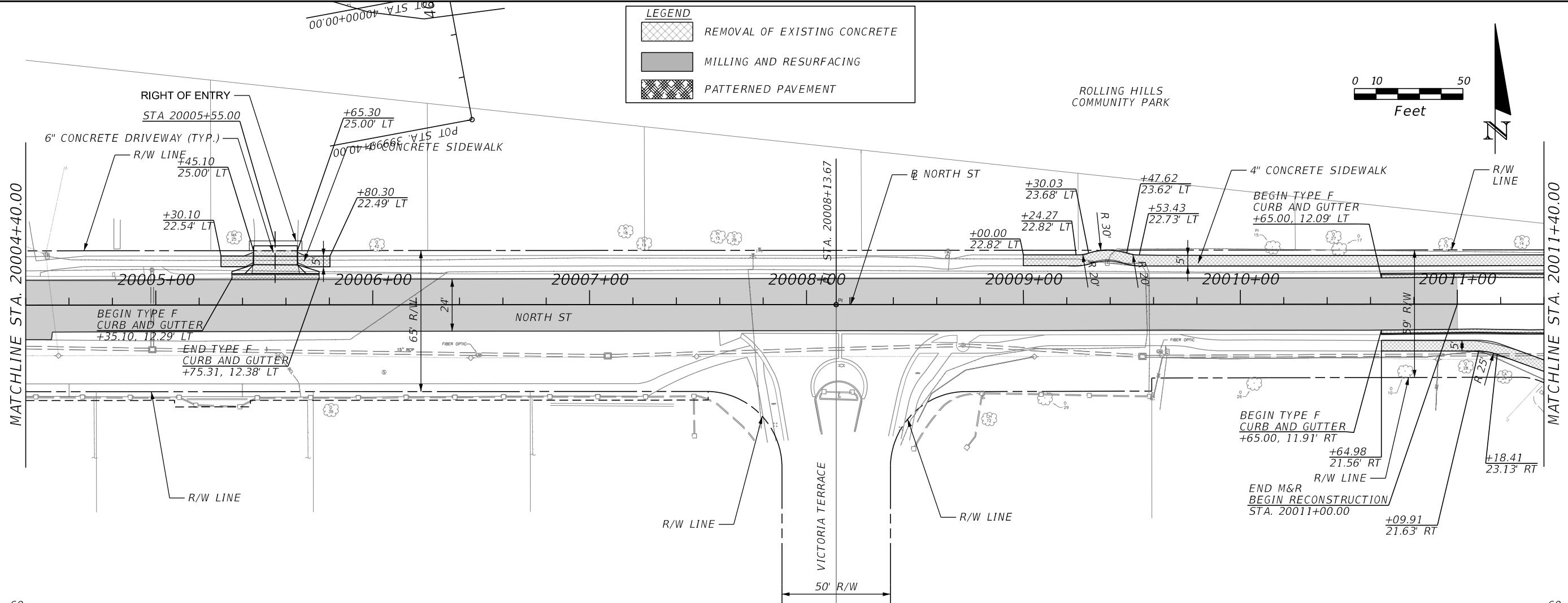
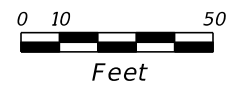
PLAN-PROFILE SHEET (7)

SHEET NO.
61

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

LEGEND

-  REMOVAL OF EXISTING CONCRETE
-  MILLING AND RESURFACING
-  PATTERNED PAVEMENT



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

NORTH STREET

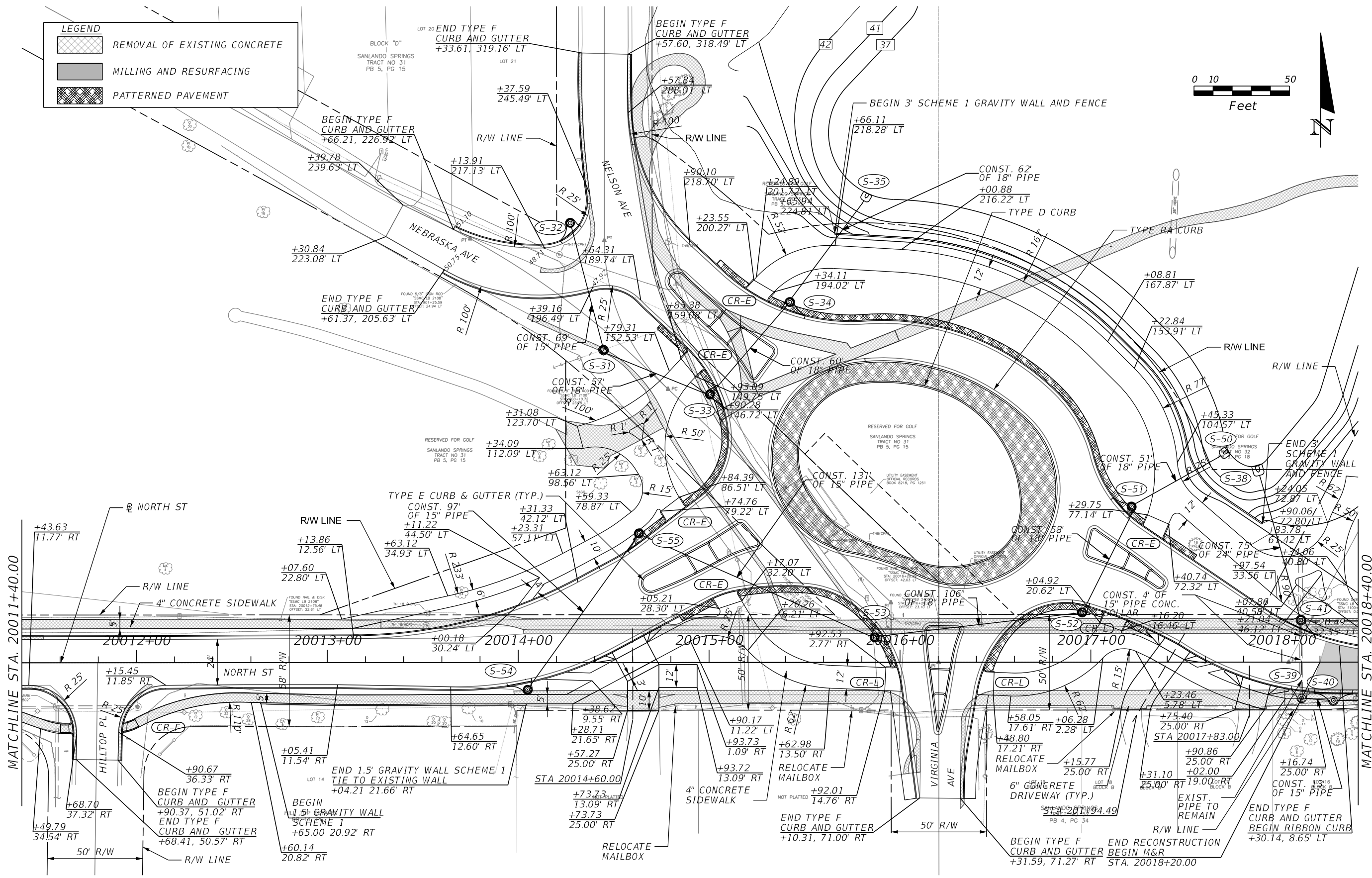
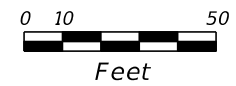
SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

PLAN-PROFILE SHEET (8)

SHEET NO.
62

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

LEGEND	
	REMOVAL OF EXISTING CONCRETE
	MILLING AND RESURFACING
	PATTERNED PAVEMENT



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

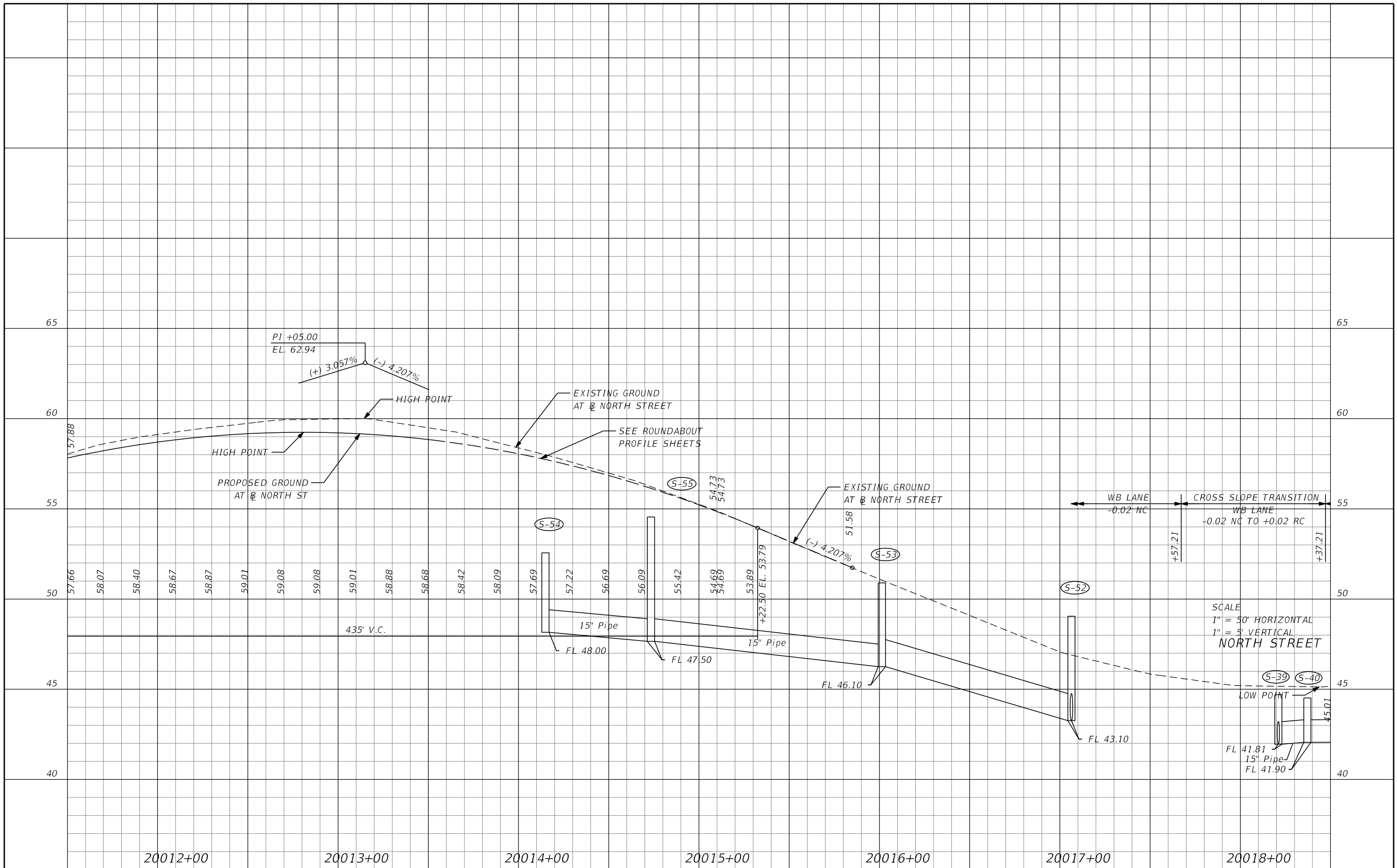
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

PLAN SHEET (9)

SHEET NO.
63

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

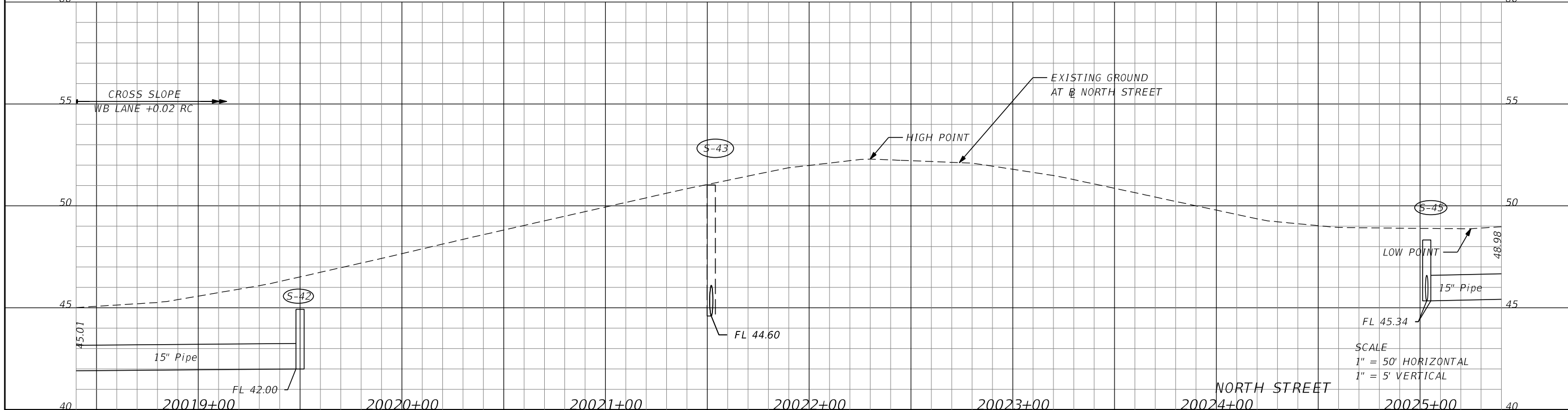
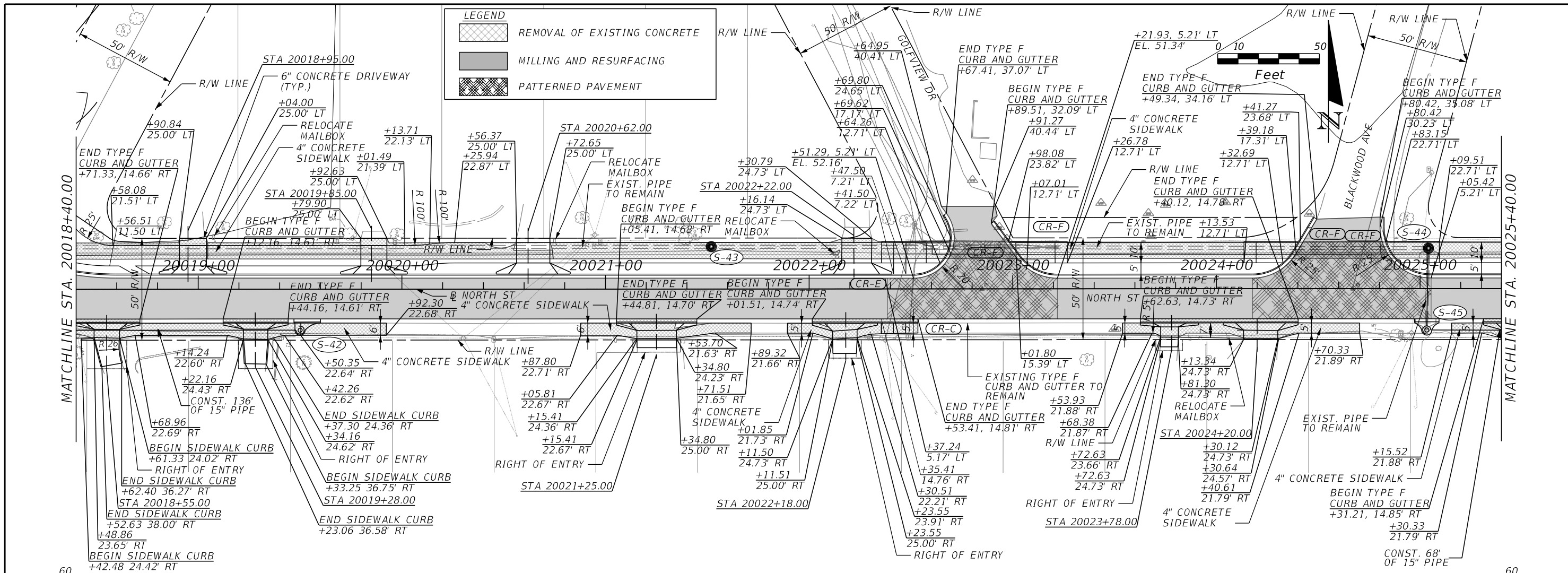
TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR.
 COUNTY CIP No.: 01907084

PROFILE SHEET (9)

SHEET NO.
 64

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

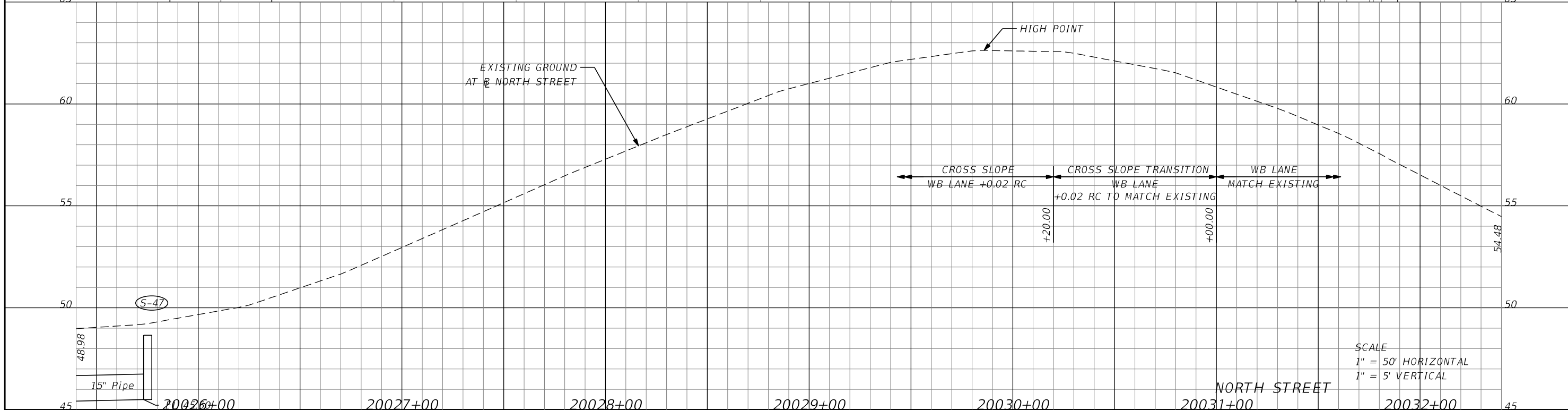
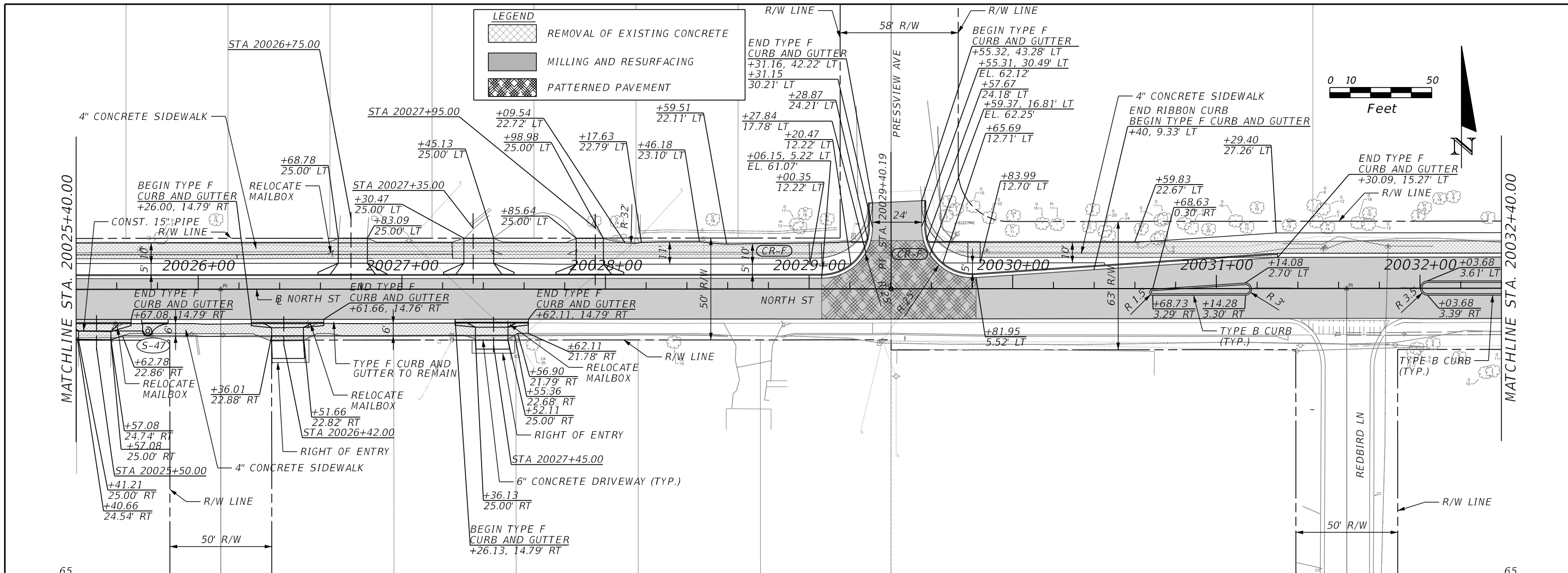
TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR.
 COUNTY CIP No.: 01907084

PLAN-PROFILE SHEET (10)
 SHEET NO. 65

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

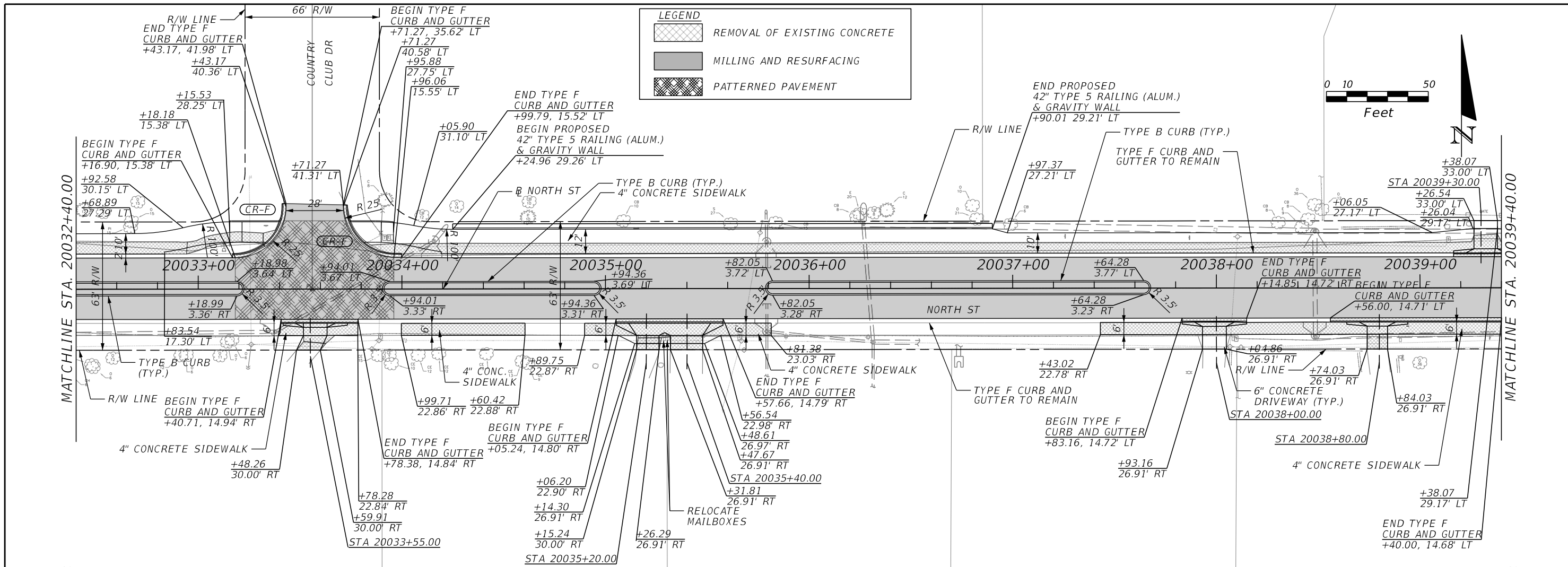
TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR.
 COUNTY CIP No.: 01907084

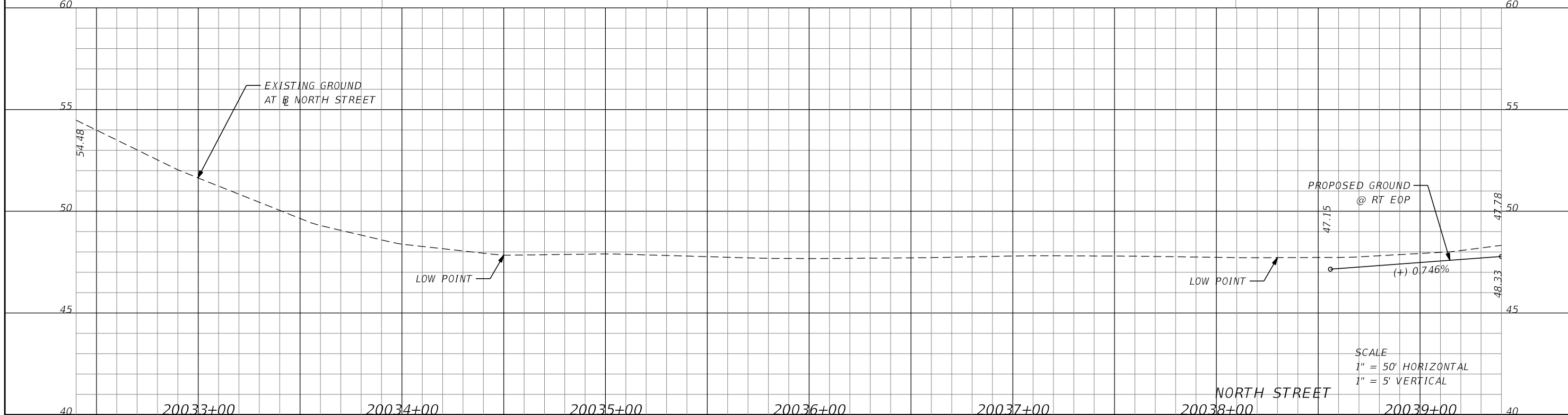
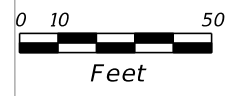
PLAN-PROFILE SHEET (11)
 SHEET NO. 66

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LEGEND

- REMOVAL OF EXISTING CONCRETE
- MILLING AND RESURFACING
- PATTERNED PAVEMENT



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST. SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

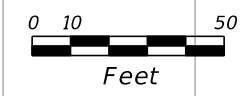
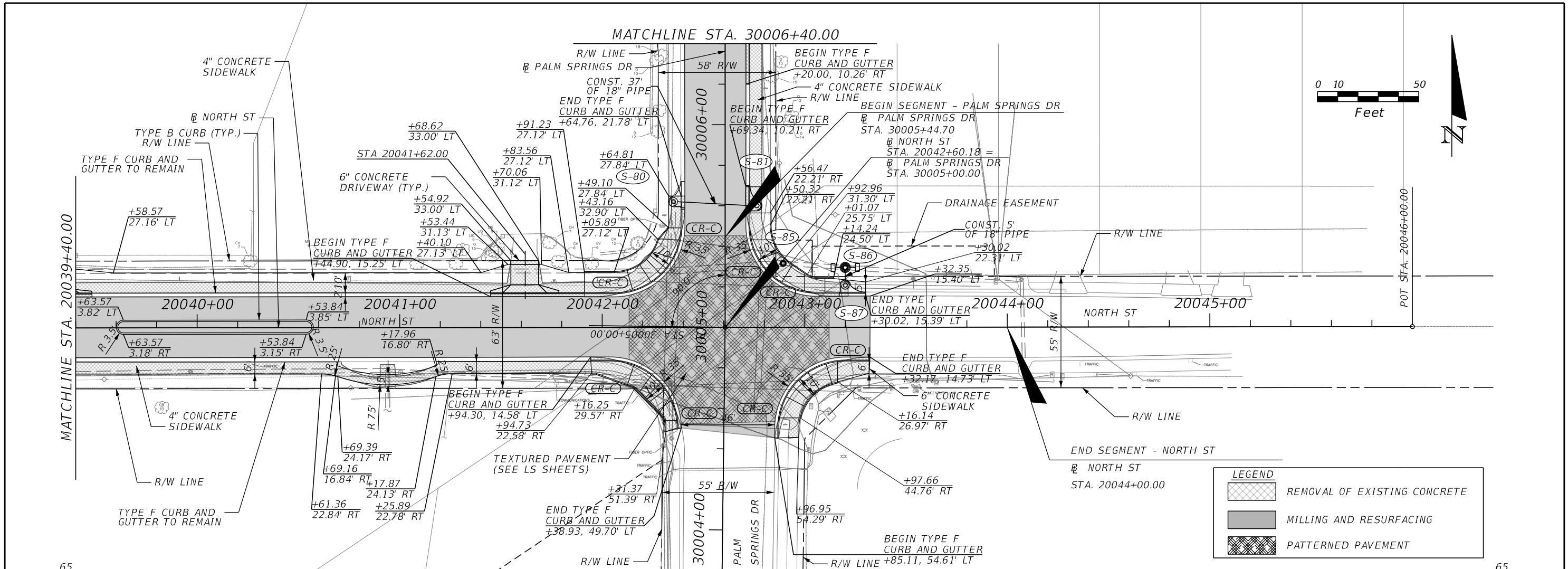
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR.
 COUNTY CIP No.: 01907084

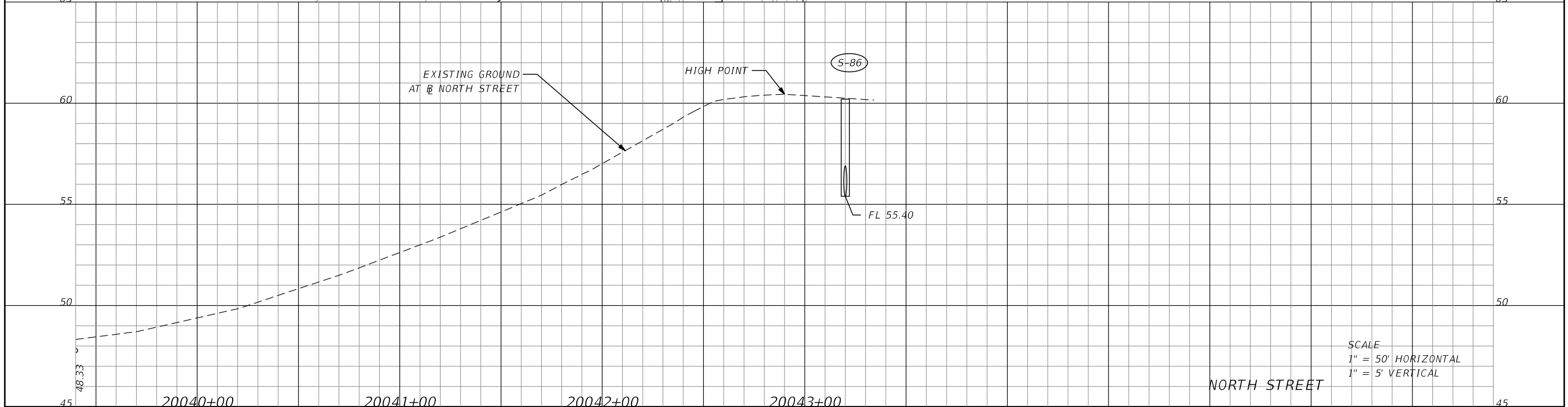
PLAN-PROFILE SHEET (12)

SHEET NO. 67

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LEGEND	
	REMOVAL OF EXISTING CONCRETE
	MILLING AND RESURFACING
	PATTERNED PAVEMENT



SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

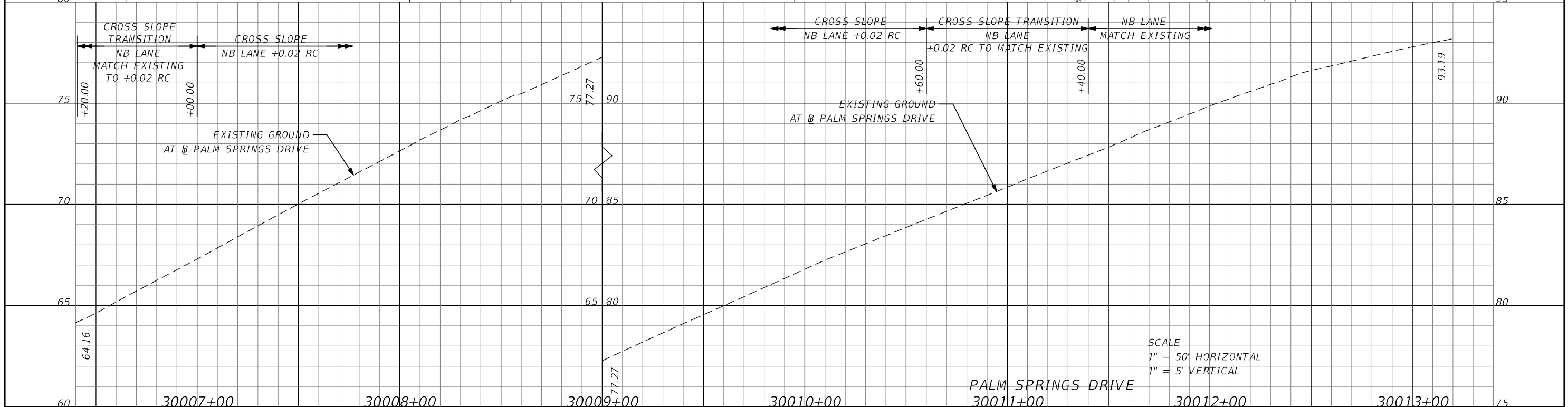
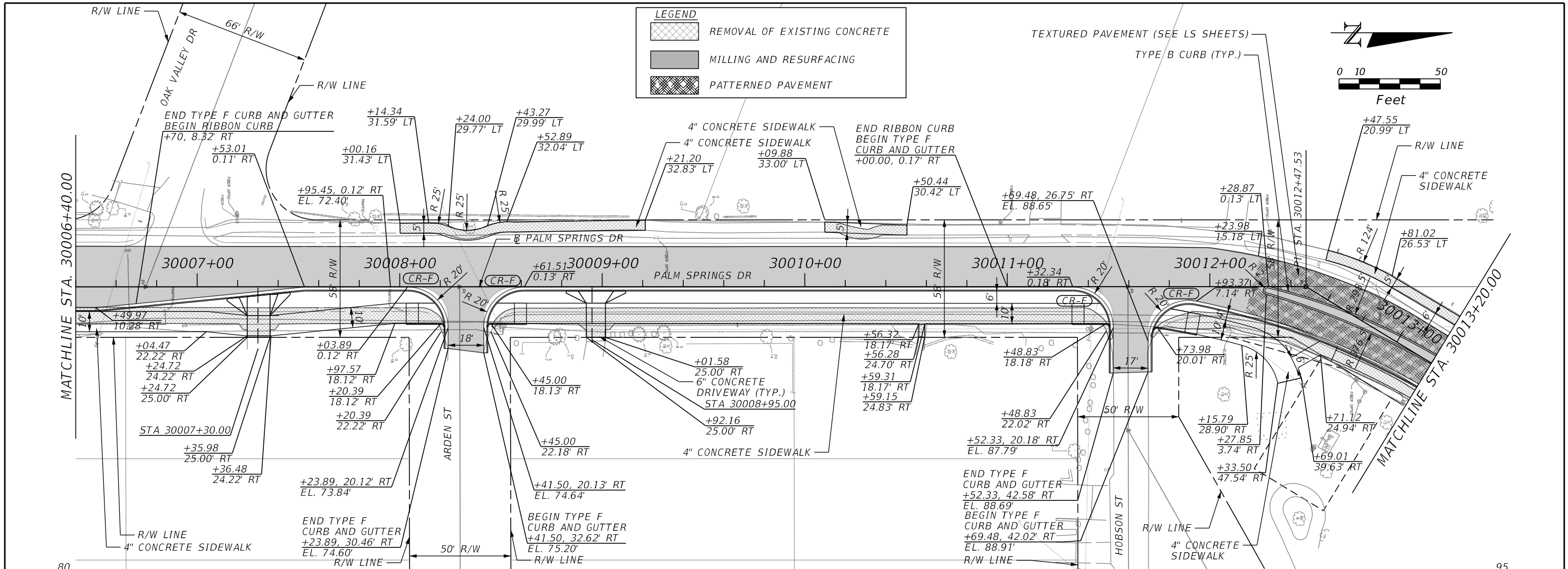
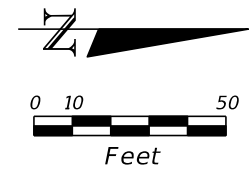
PLAN-PROFILE SHEET (13)

SHEET NO.
 68

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LEGEND

- REMOVAL OF EXISTING CONCRETE
- MILLING AND RESURFACING
- PATTERNED PAVEMENT



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
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 FAX 407.420.4242

SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR.
 COUNTY CIP No.: 01907084




SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

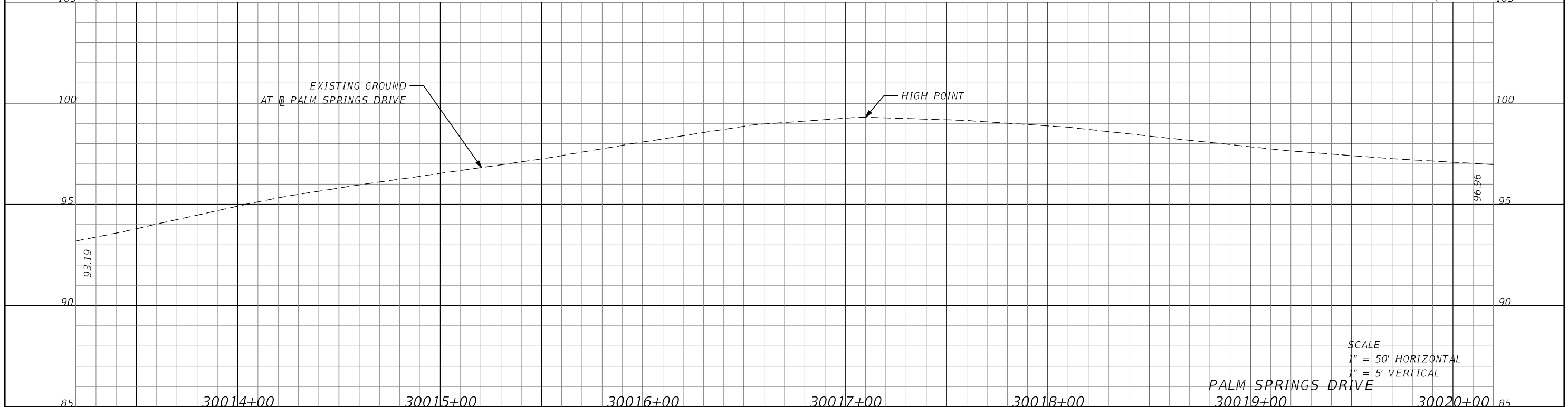
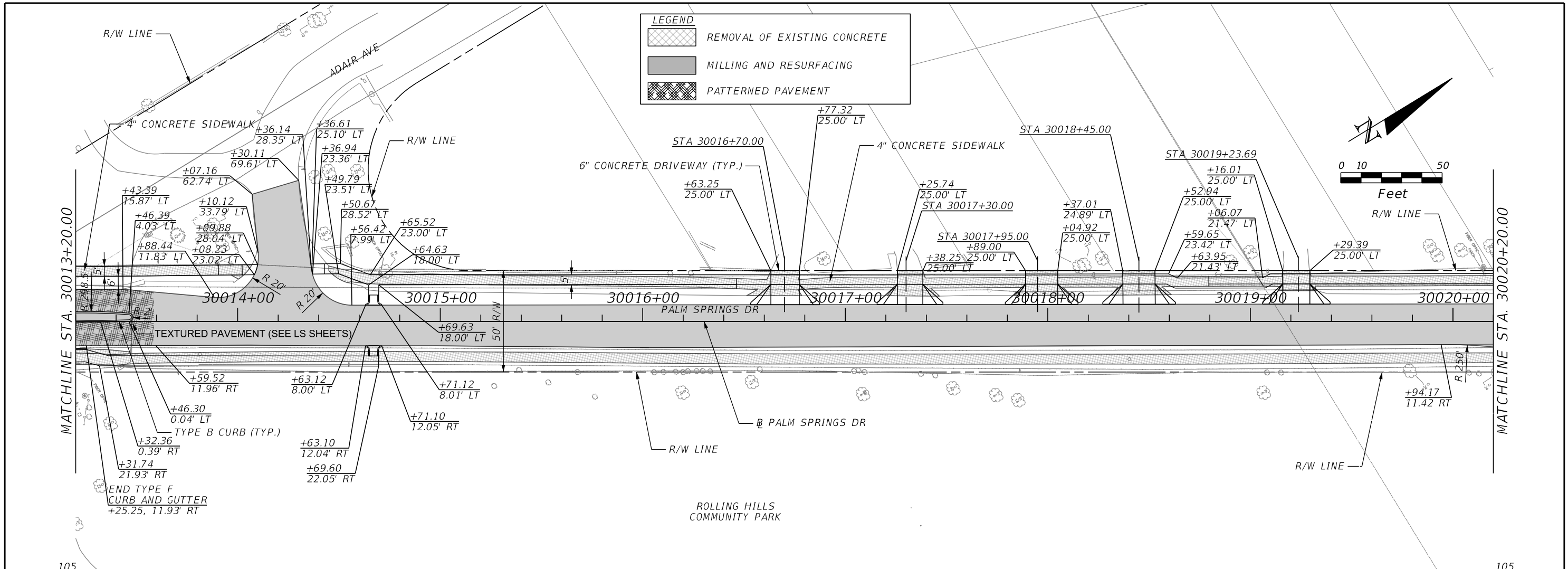
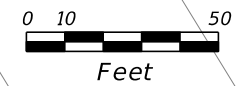
PLAN-PROFILE SHEET (14)

SHEET NO.
69

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LEGEND

-  REMOVAL OF EXISTING CONCRETE
-  MILLING AND RESURFACING
-  PATTERNED PAVEMENT



SCALE
1" = 50' HORIZONTAL
1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
LICENSE NO. 90792
315 E. ROBINSON ST.
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ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242



SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

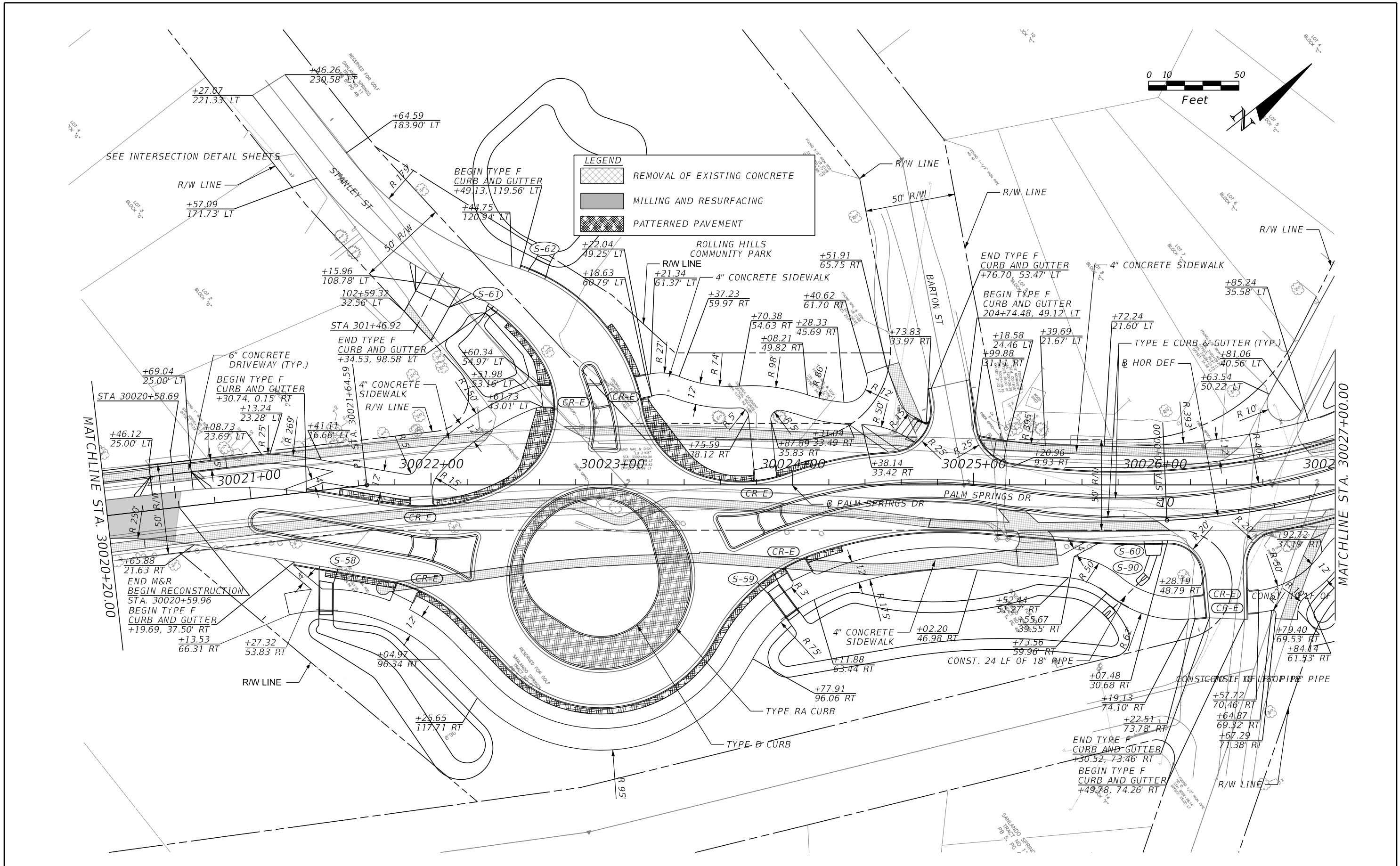
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

PALM SPRINGS DRIVE

PLAN-PROFILE SHEET (15)

SHEET NO.
70

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LEGEND

- REMOVAL OF EXISTING CONCRETE
- MILLING AND RESURFACING
- PATTERNED PAVEMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

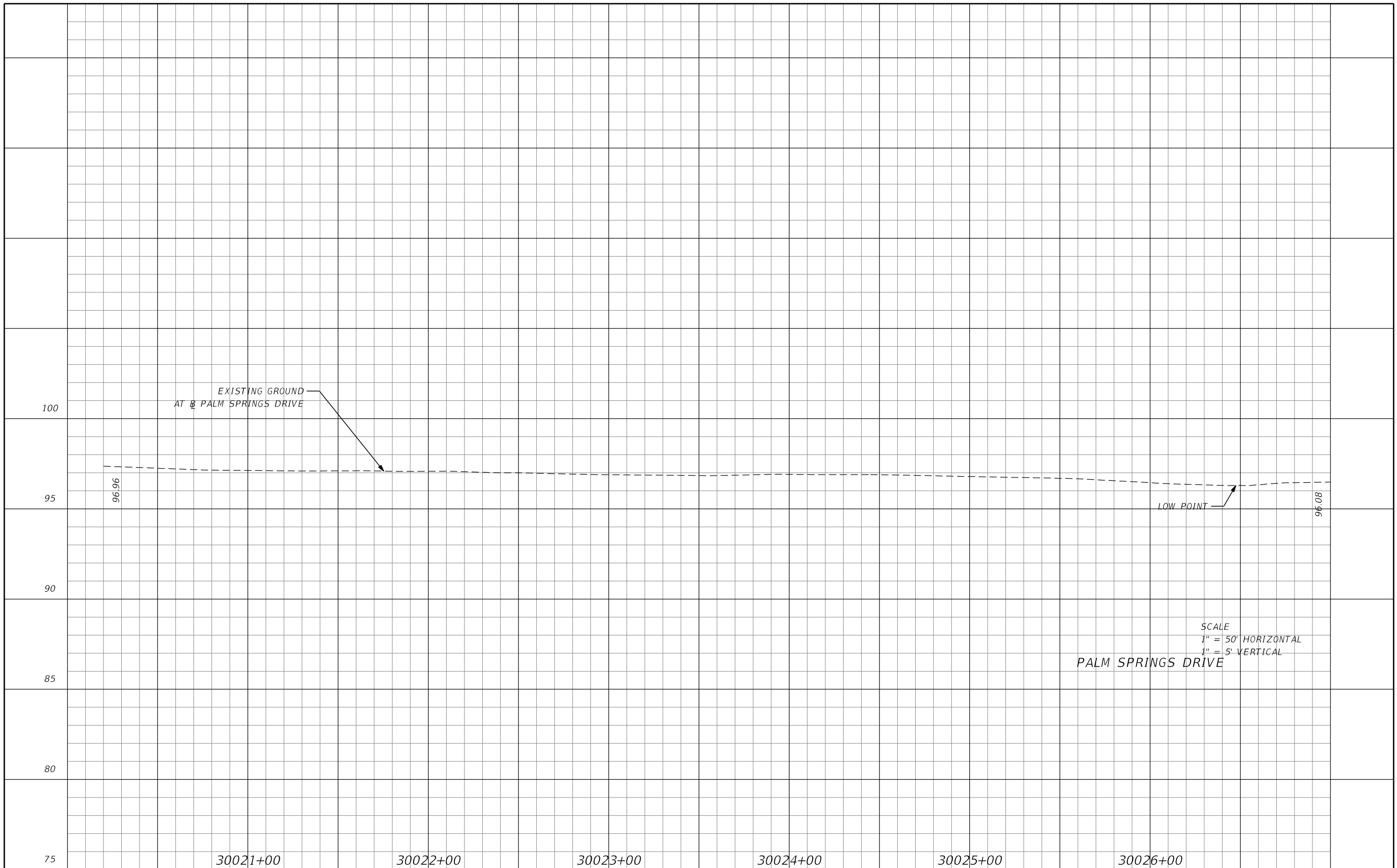
SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD: **RAYMOND AVE., NORTH ST., PALM SPRINGS DR.**
 COUNTY CIP No.: **01907084**

PLAN SHEET (16)

SHEET NO.
71

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

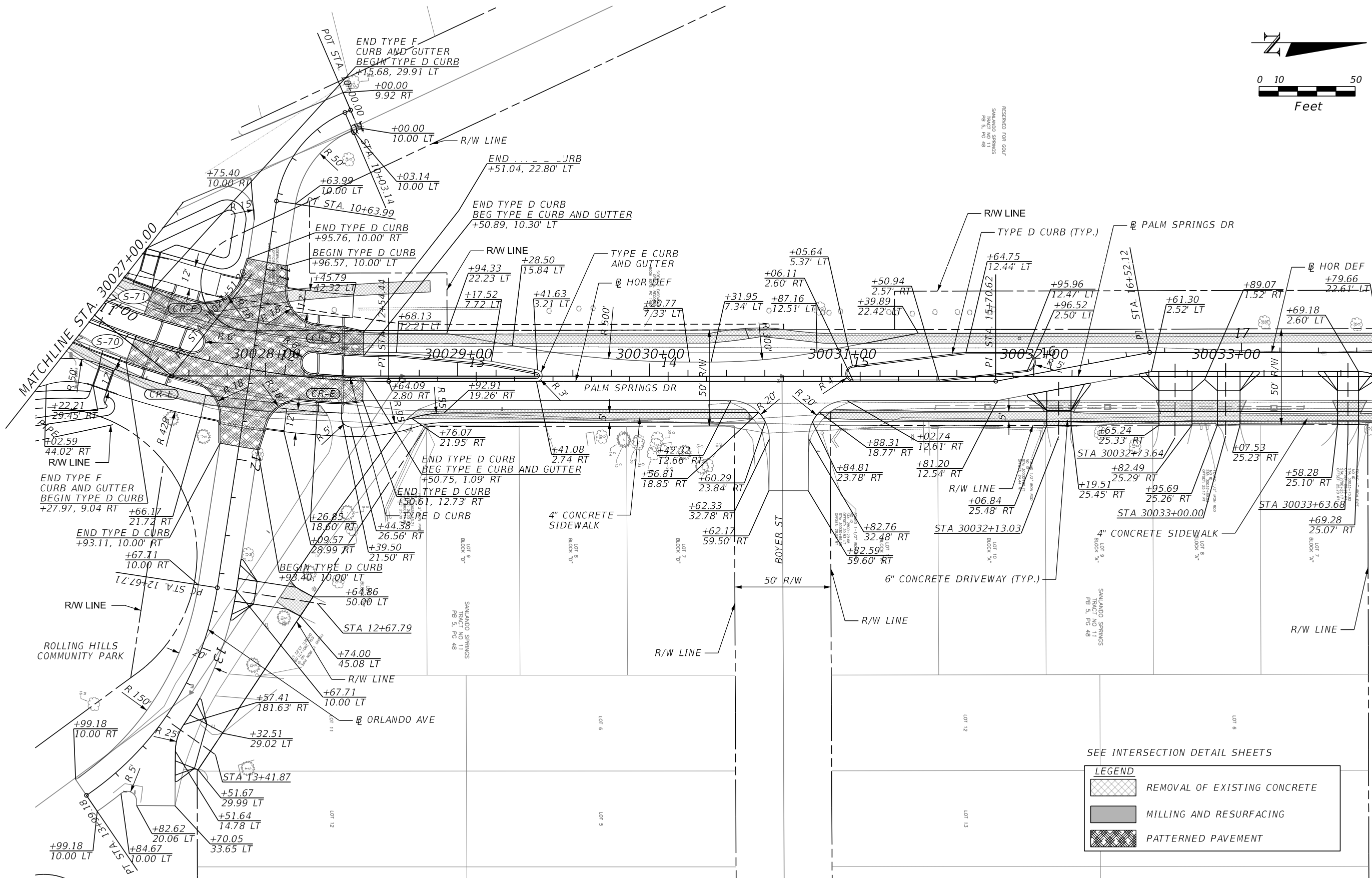
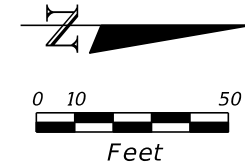


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH 01907084
 ST., PALM SPRINGS DR.

PROFILE SHEET (16)

SHEET NO.
 72

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SEE INTERSECTION DETAIL SHEETS

LEGEND	
	REMOVAL OF EXISTING CONCRETE
	MILLING AND RESURFACING
	PATTERNED PAVEMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



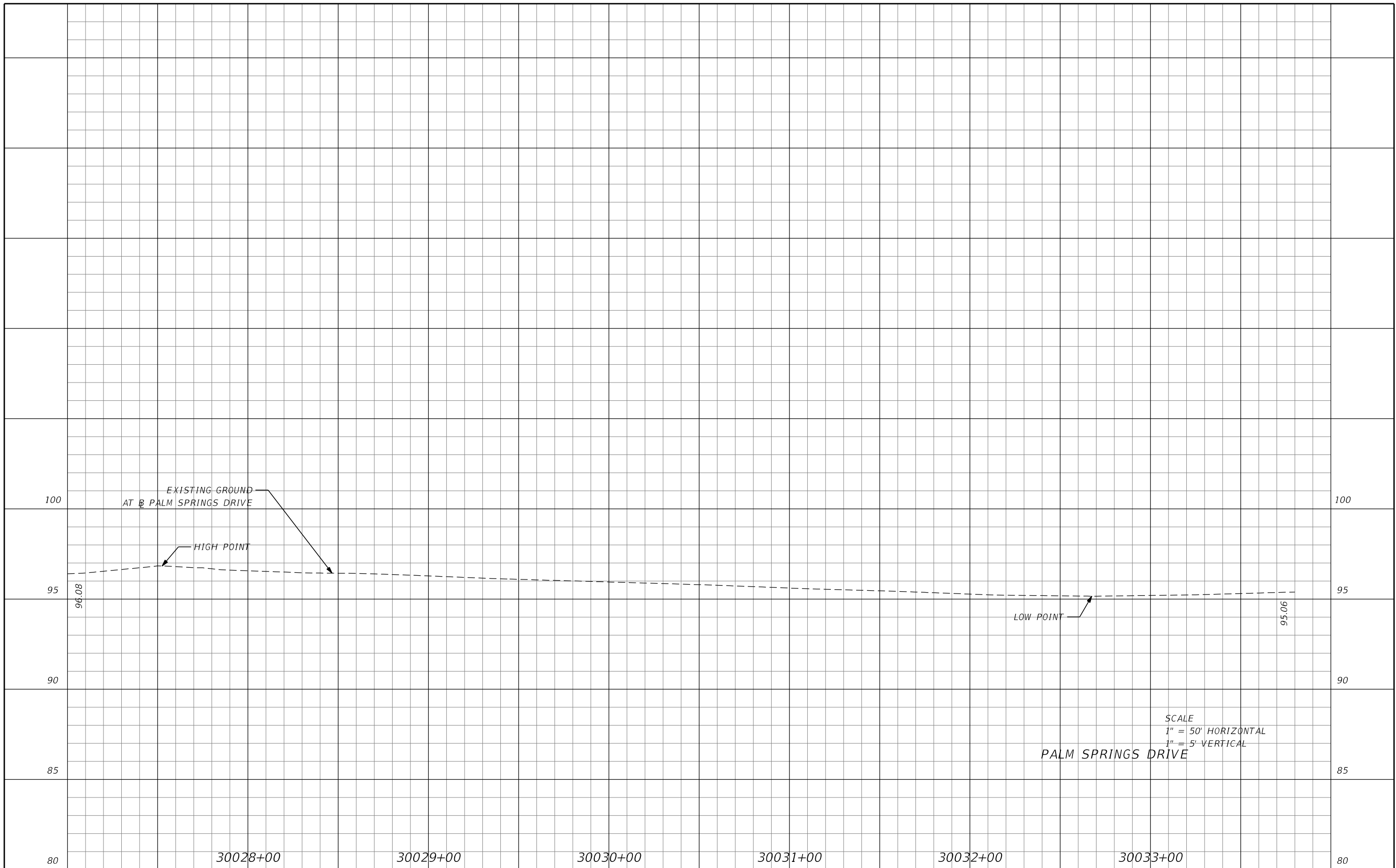
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

PLAN SHEET (17)

SHEET NO.
73

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



SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

PALM SPRINGS DRIVE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

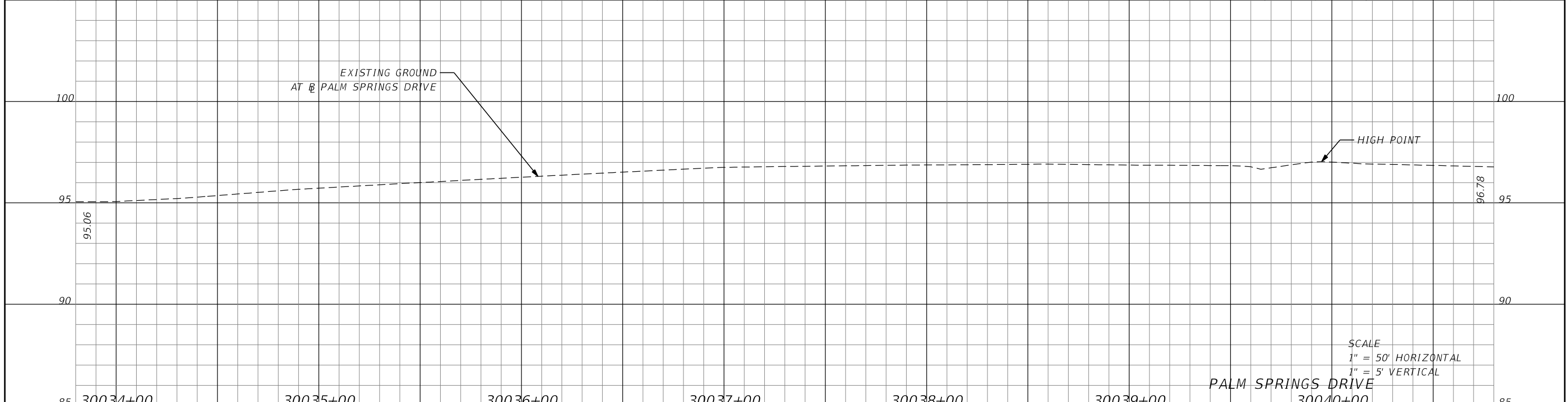
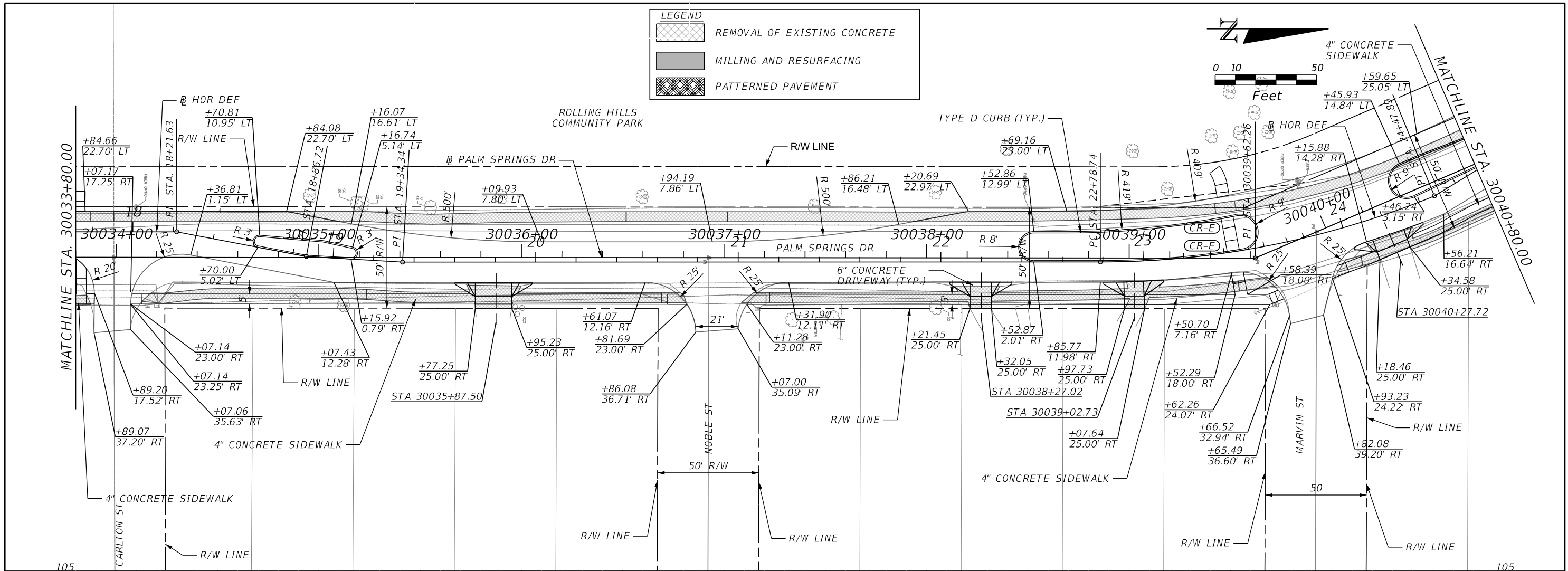
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

PROFILE SHEET (17)

SHEET NO.
 74

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

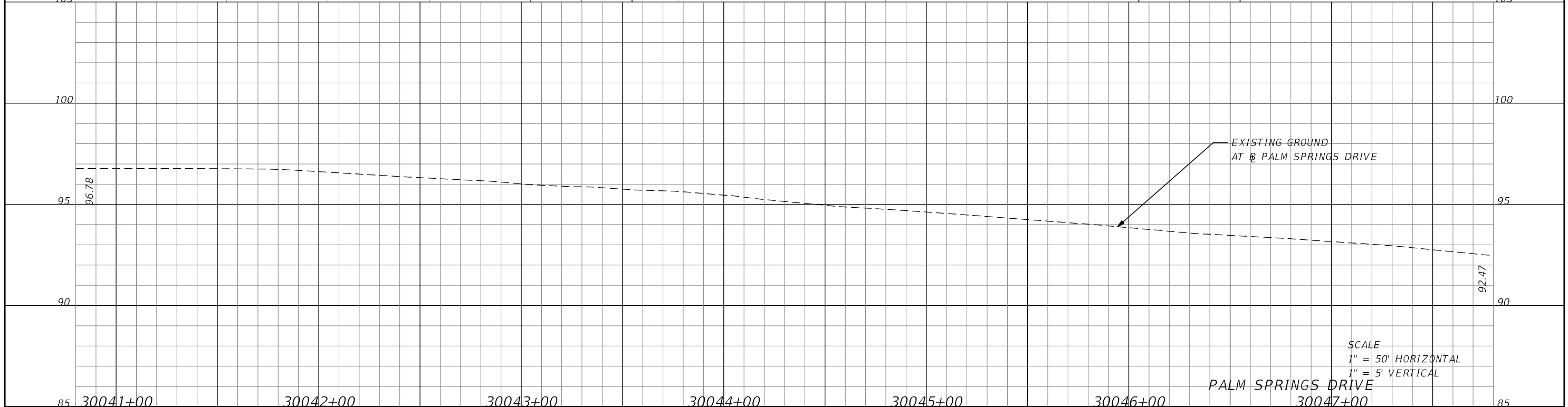
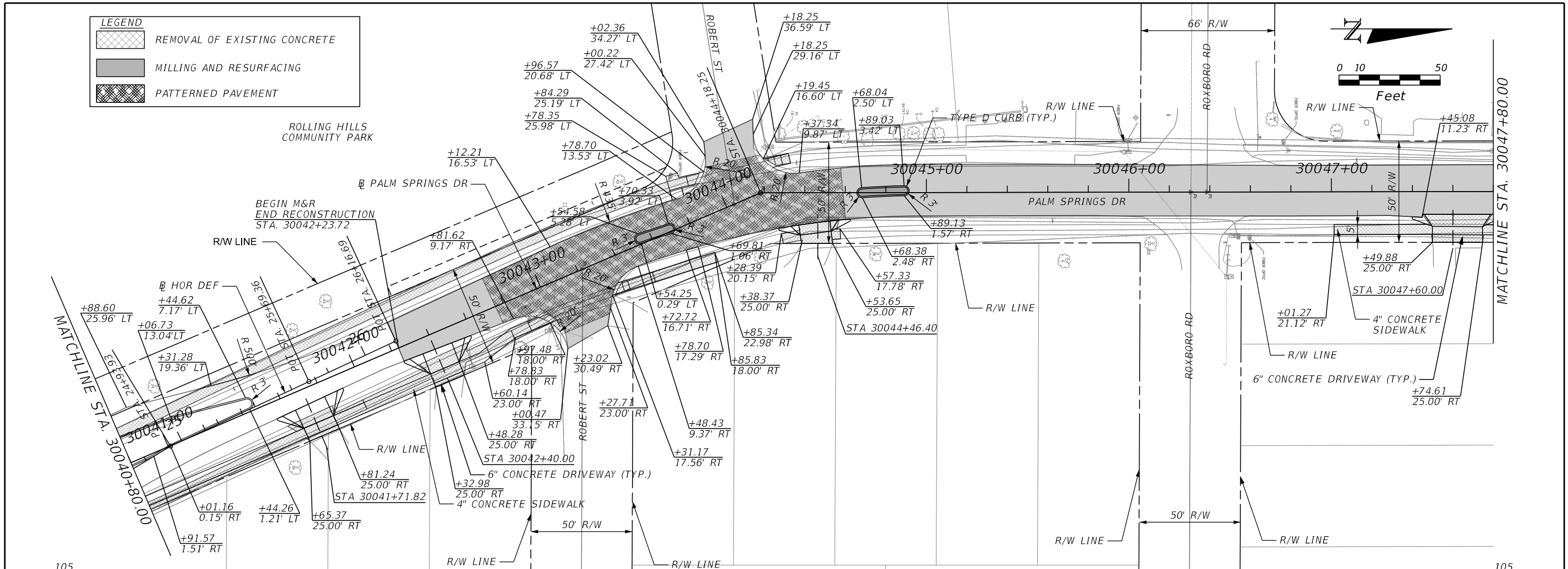
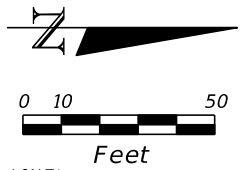


DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1 ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR. COUNTY CIP No.: 01907084	PLAN-PROFILE SHEET (18)	SHEET NO. 75
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LEGEND	
	REMOVAL OF EXISTING CONCRETE
	MILLING AND RESURFACING
	PATTERNED PAVEMENT



SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242






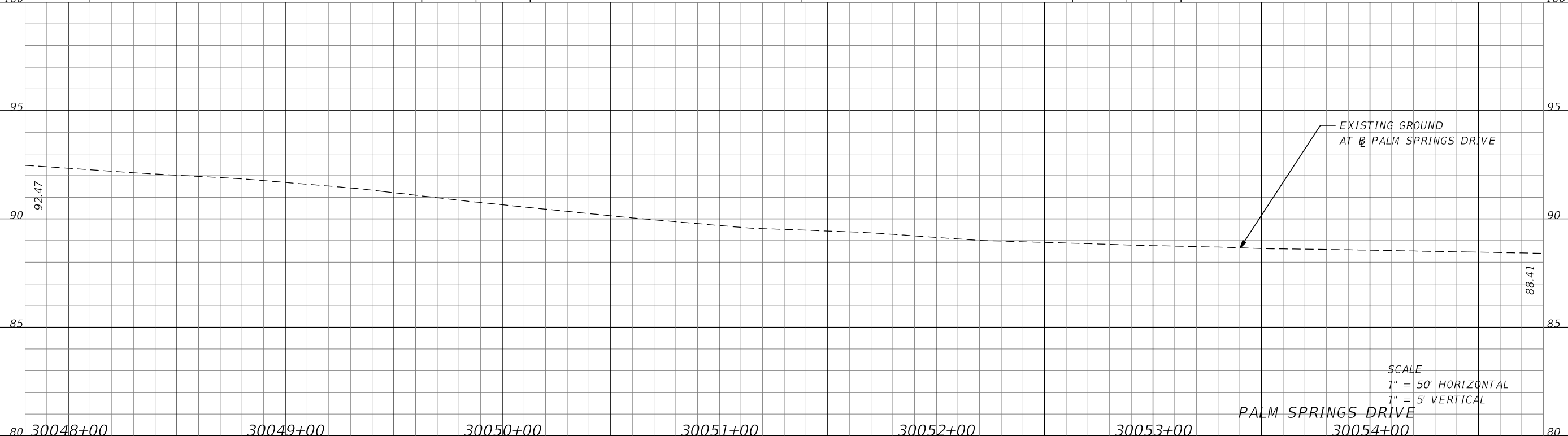
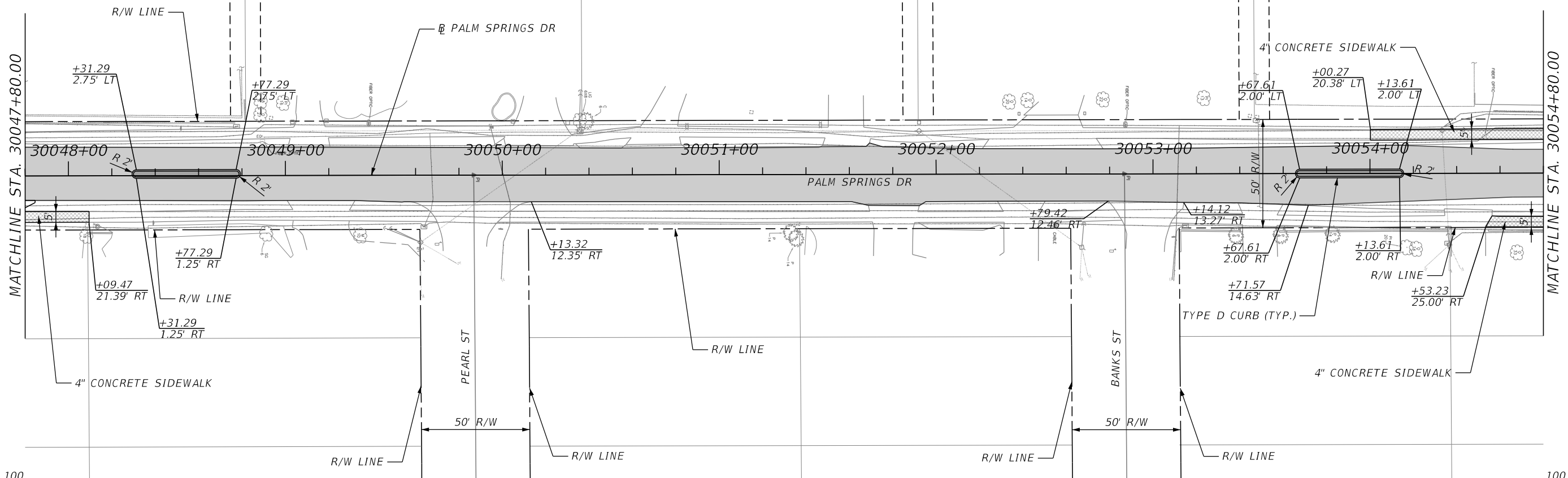
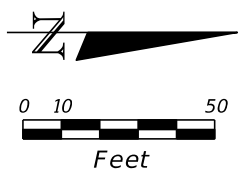
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

PALM SPRINGS DRIVE
 PLAN-PROFILE SHEET (19)
 SHEET NO. 76

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

LEGEND

-  REMOVAL OF EXISTING CONCRETE
-  MILLING AND RESURFACING
-  PATTERNED PAVEMENT



REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



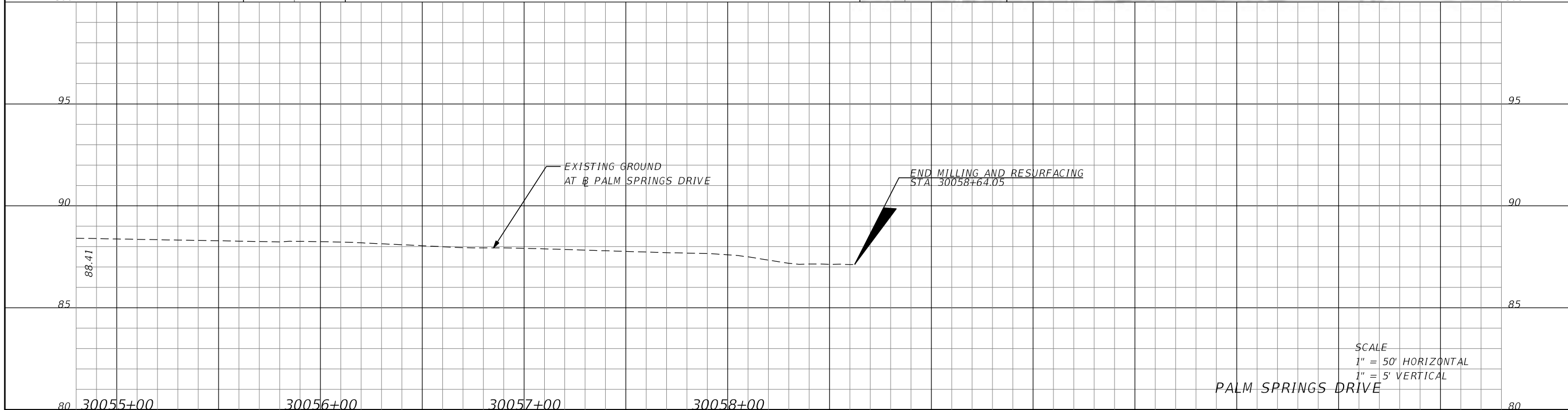
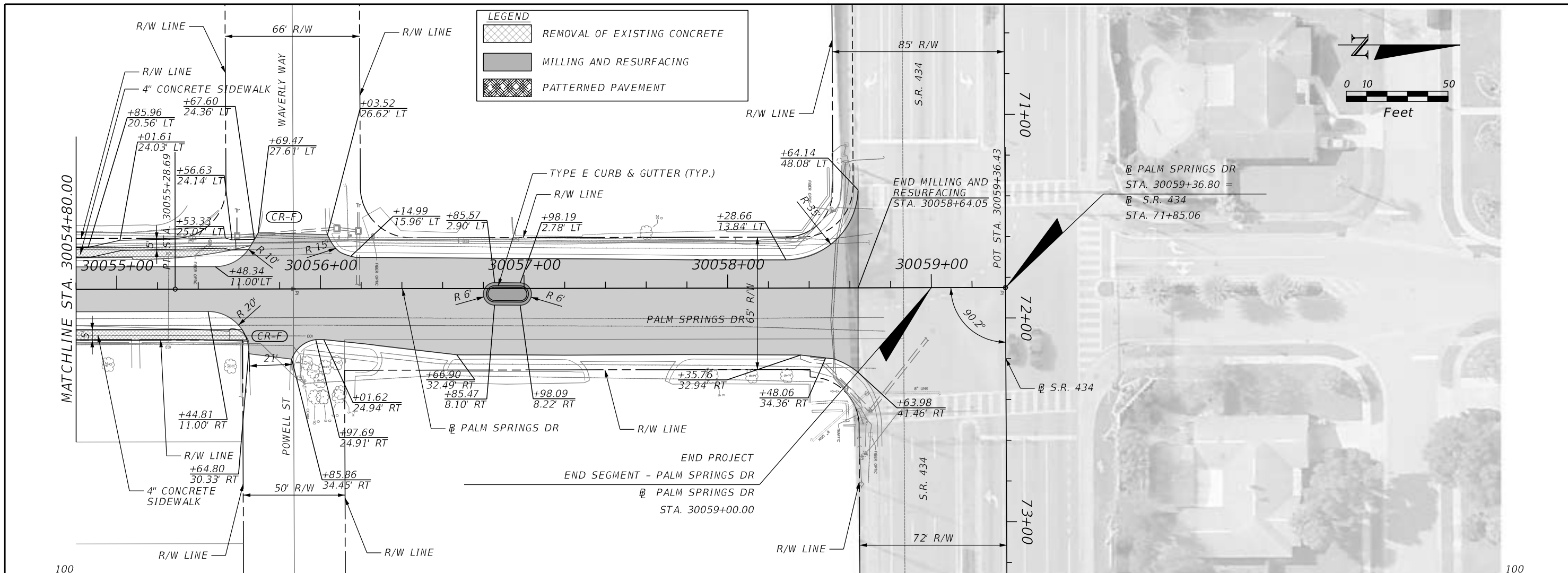
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

PLAN-PROFILE SHEET (20)

SHEET NO.
77

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



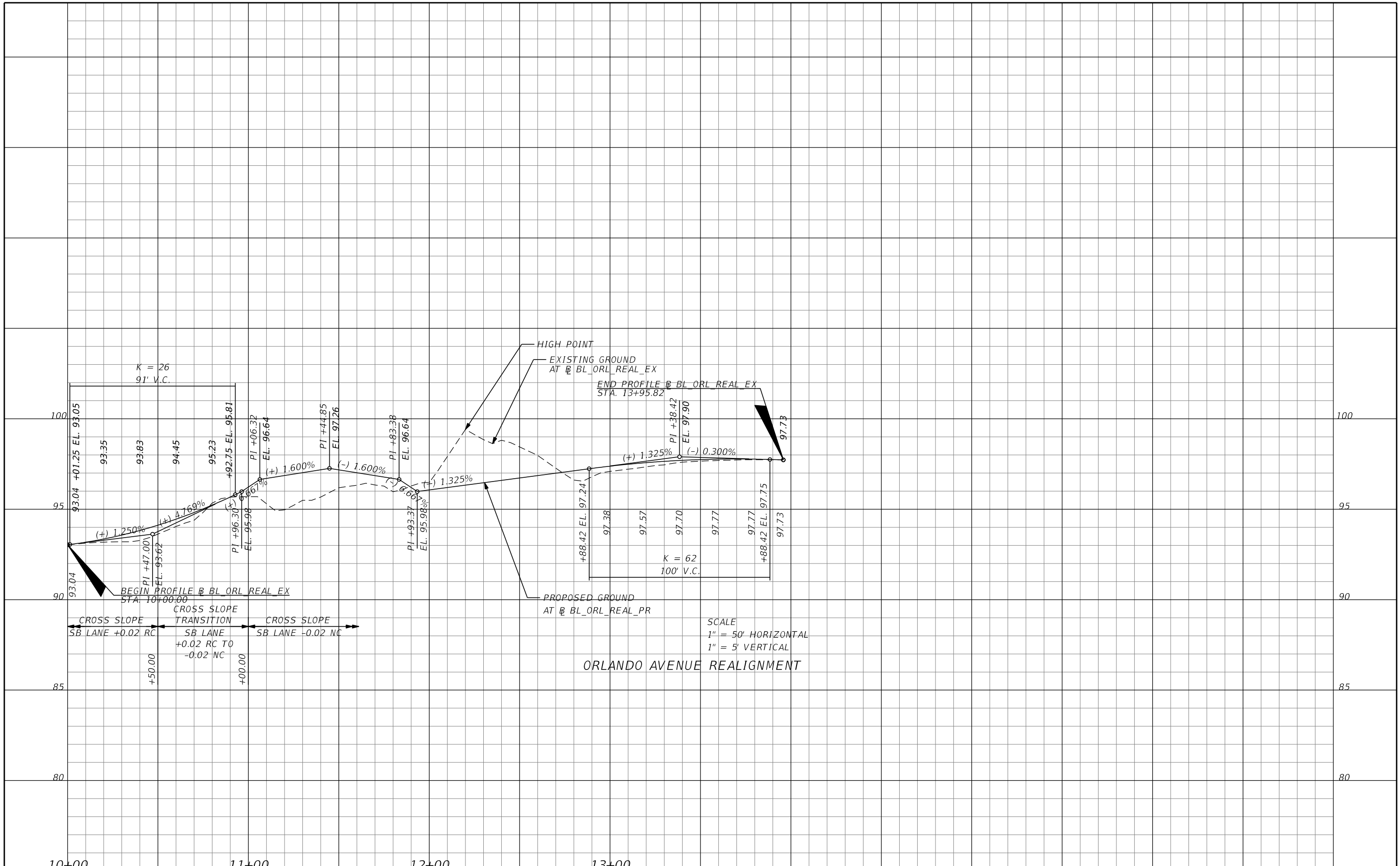
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL
 PALM SPRINGS DRIVE
 SHEET NO. 78

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ORLANDO AVENUE REALIGNMENT

SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

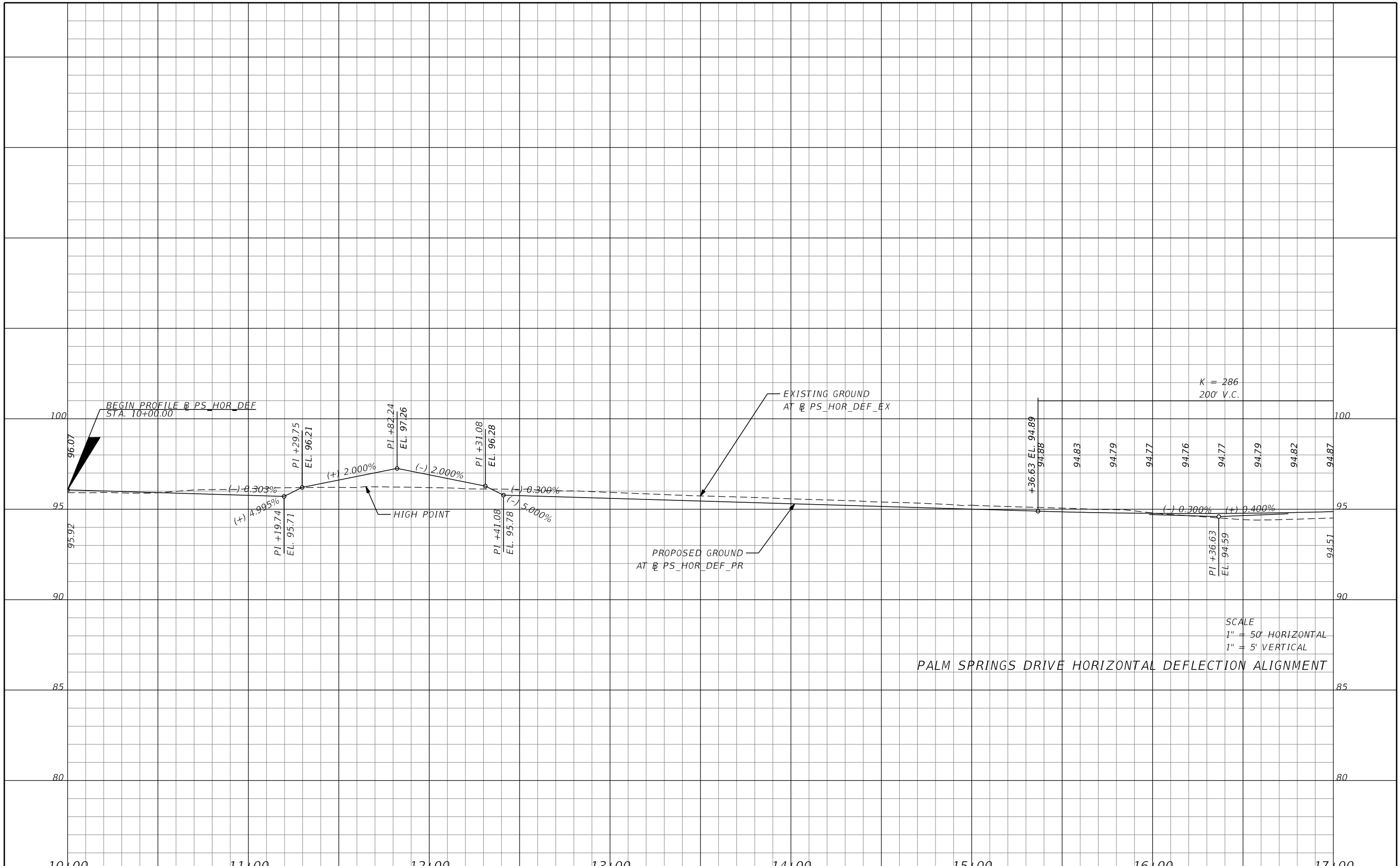
TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

ORLANDO AVENUE
 PROFILE SHEET (1)

SHEET NO.
 79

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

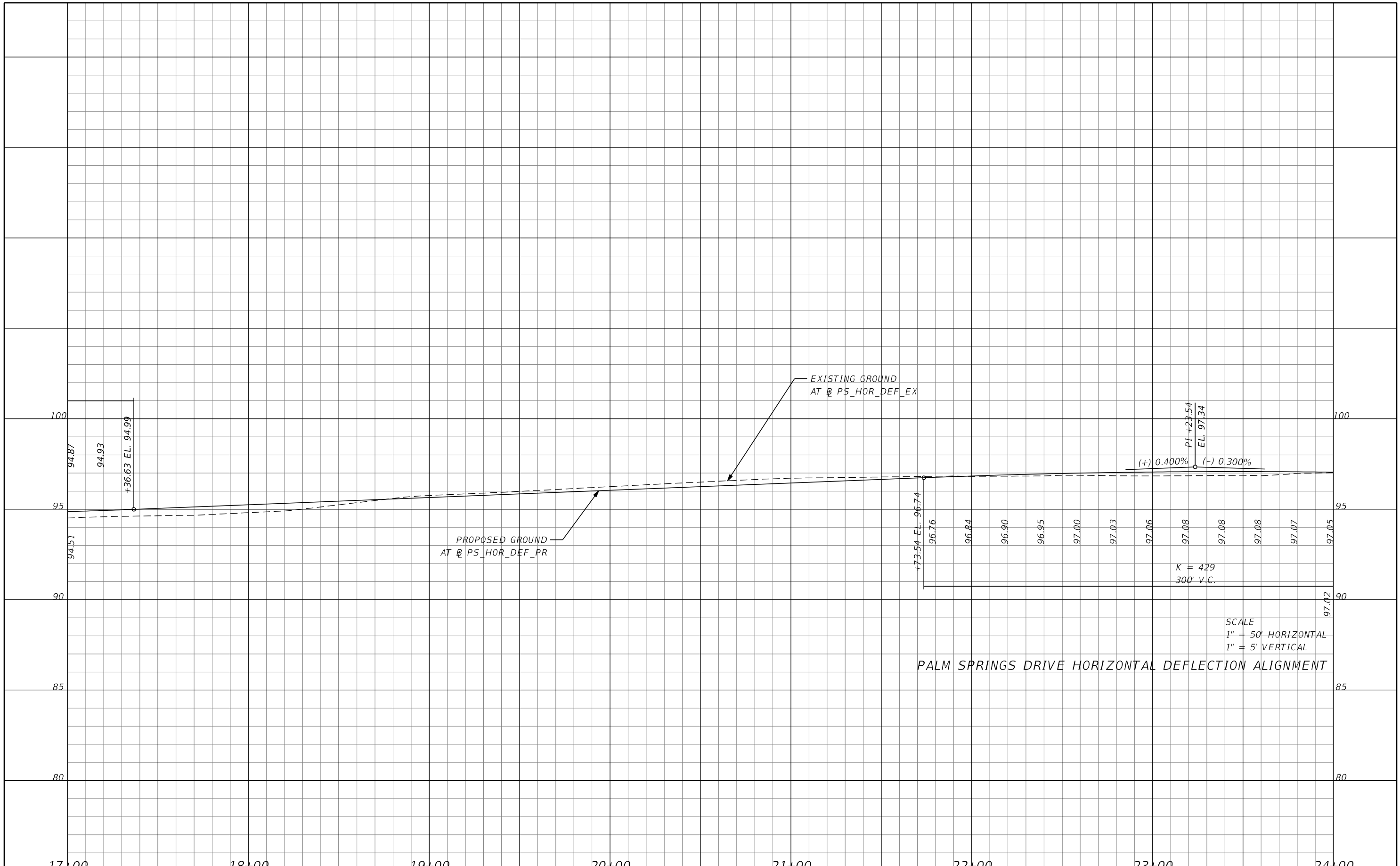


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

**PALM SPRINGS DRIVE HOR. DEF.
 PROFILE SHEET (1)**

SHEET NO.
80

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PALM SPRINGS DRIVE HORIZONTAL DEFLECTION ALIGNMENT

SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

K = 429
 300' V.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



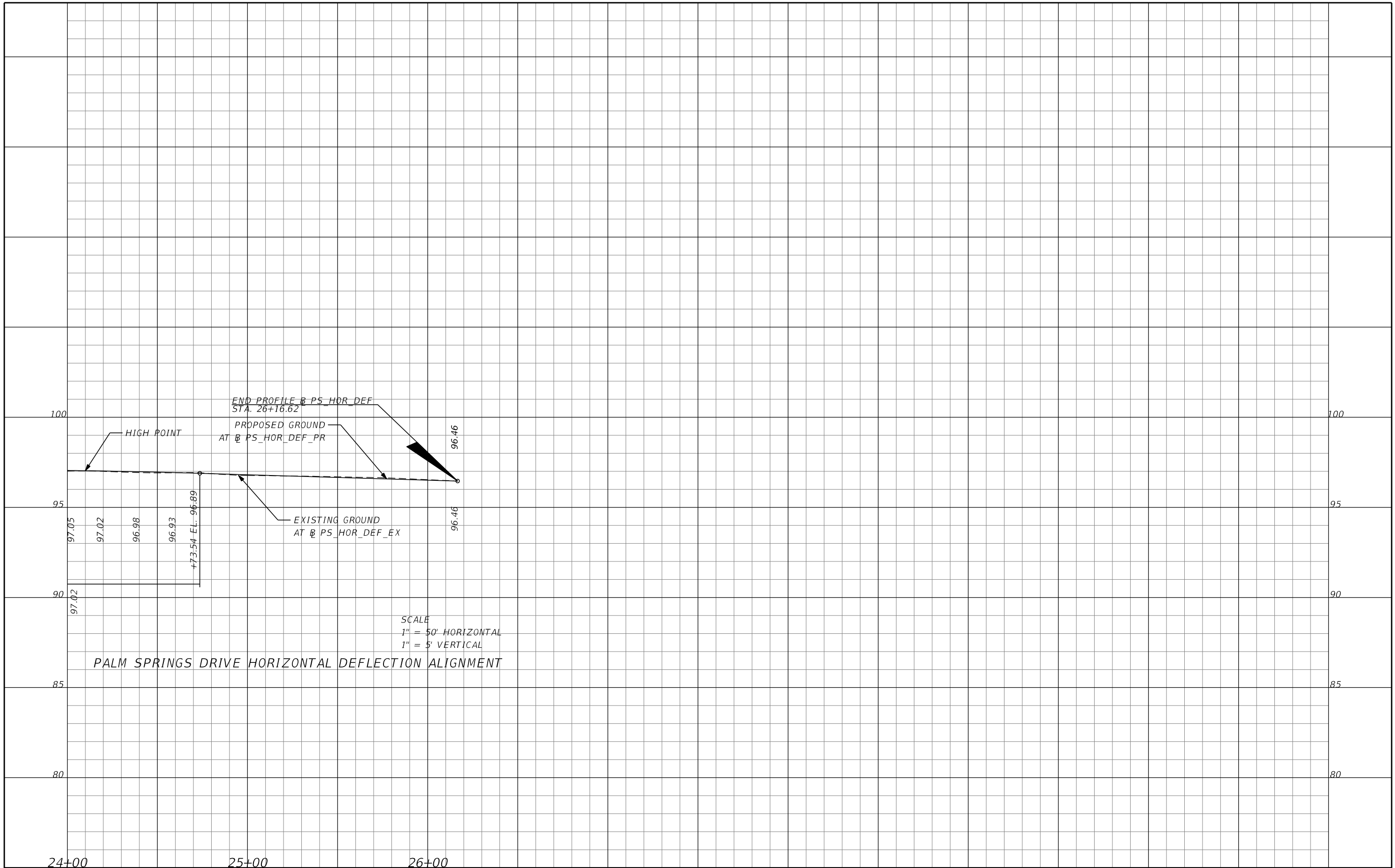
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

PALM SPRINGS DRIVE HOR. DEF. PROFILE SHEET (2)

SHEET NO.
81

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SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

PALM SPRINGS DRIVE HORIZONTAL DEFLECTION ALIGNMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



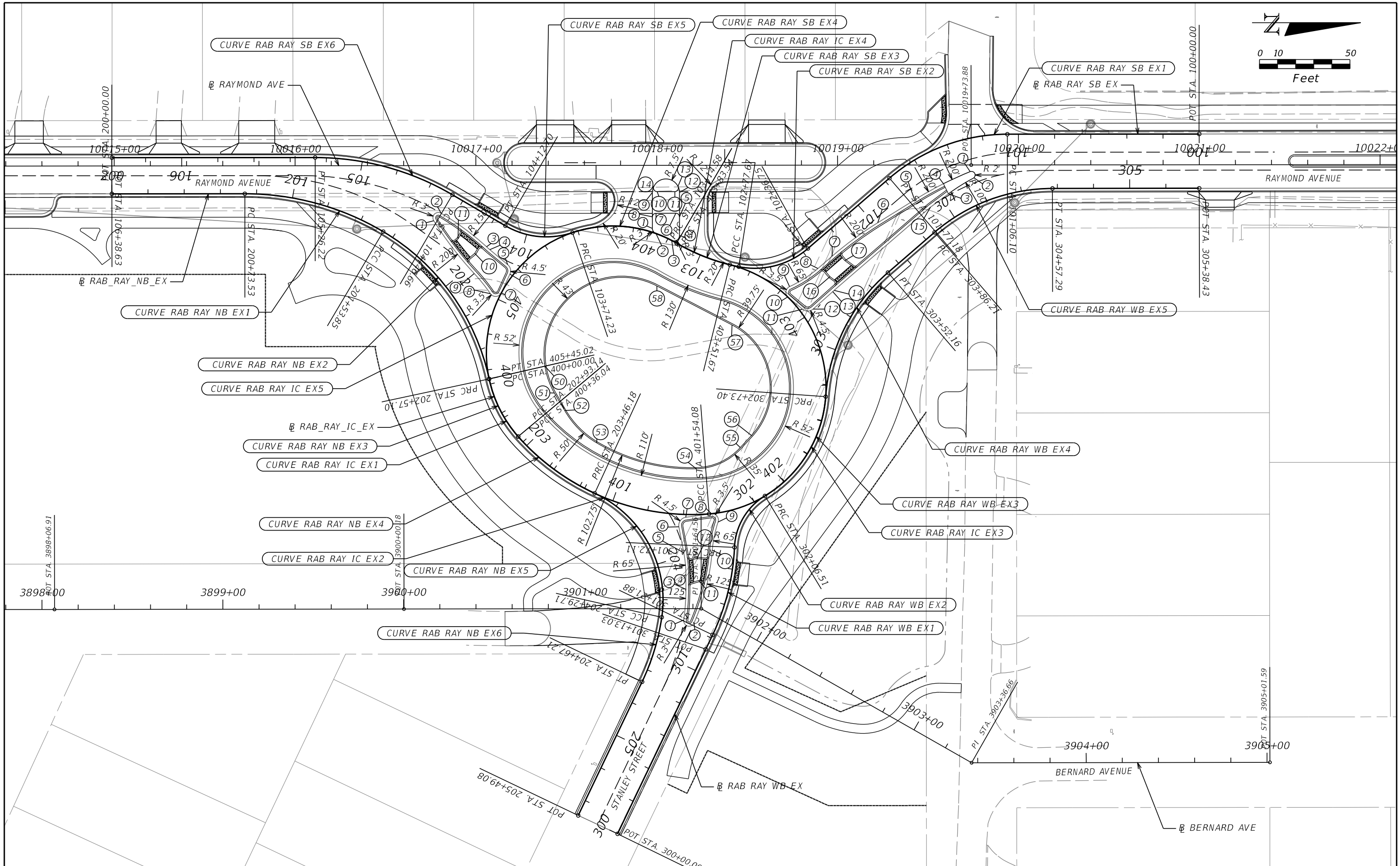
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

PALM SPRINGS DRIVE HOR. DEF.
 PROFILE SHEET (3)

SHEET NO.
 82

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH 01907084
 ST., PALM SPRINGS DR.

INTERSECTION DETAIL (1)
RAYMOND AVE / BARTON ST

SHEET NO.
 83

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

RAB_RAY_SB_EX

CURVE DATA RAB_RAY_SB_EX1
 PI STA. = 101+43.27
 Δ = 40° 43' 35" (LT)
 D = 57° 17' 44"
 T = 37.11
 L = 71.08
 R = 100.00
 PC STA. = 101+06.10
 PT STA. = 101+77.18
 e = 0.02

CURVE DATA RAB_RAY_SBEX2
 PI STA. = 102+58.74
 Δ = 52° 06' 04" (RT)
 D = 127° 19' 26"
 T = 21.99
 L = 40.92
 R = 45.00
 PC STA. = 102+36.75
 PT STA. = 102+77.67
 e = 0.02

CURVE DATA RAB_RAY_SBEX3
 PI STA. = 102+96.29
 Δ = 18° 53' 01" (LT)
 D = 51° 09' 25"
 T = 18.62
 L = 36.91
 R = 112.00
 PC STA. = 102+77.67
 PT STA. = 103+14.58
 e = 0.02

CURVE DATA RAB_RAY_SBEX4
 PI STA. = 103+46.35
 Δ = 48° 49' 25" (LT)
 D = 81° 51' 04"
 T = 31.77
 L = 59.64
 R = 70.00
 PC STA. = 103+14.58
 PT STA. = 103+74.23
 e = 0.02

CURVE DATA RAB_RAY_SBEX5
 PI STA. = 103+94.73
 Δ = 48° 58' 39" (RT)
 D = 127° 19' 26"
 T = 20.49
 L = 38.46
 R = 45.00
 PC STA. = 103+74.23
 PT STA. = 104+12.70
 e = 0.02

CURVE DATA RAB_RAY_SBEX6
 PI STA. = 104+87.40
 Δ = 30° 23' 26" (RT)
 D = 38° 11' 49"
 T = 40.74
 L = 79.56
 R = 150.00
 PC STA. = 104+46.66
 PT STA. = 105+26.22
 e = 0.02

RAB_RAY_NB_EX

CURVE DATA RAB_RAY_NB_EX1
 PI STA. = 201+14.68
 Δ = 30° 40' 54" (RT)
 D = 38° 11' 49"
 T = 41.15
 L = 80.32
 R = 150.00
 PC STA. = 200+73.53
 PT STA. = 201+53.85
 e = 0.02

CURVE DATA RAB_RAY_NB_EX2
 PI STA. = 202+08.62
 Δ = 47° 19' 26" (RT)
 D = 45° 50' 11"
 T = 54.77
 L = 103.24
 R = 125.00
 PC STA. = 201+53.85
 PT STA. = 202+93.14
 e = 0.02

CURVE DATA RAB_RAY_NB_EX3
 PI STA. = 202+75.53
 Δ = 29° 30' 11" (LT)
 D = 81° 51' 04"
 T = 18.43
 L = 36.04
 R = 128.00
 PC STA. = 202+93.14
 PT STA. = 203+46.18
 e = 0.02

CURVE DATA RAB_RAY_NB_EX4
 PI STA. = 203+20.04
 Δ = 23° 44' 23" (LT)
 D = 44° 45' 44"
 T = 26.90
 L = 53.03
 R = 128.00
 PC STA. = 202+93.14
 PT STA. = 203+46.18
 e = 0.02

CURVE DATA RAB_RAY_NB_EX5
 PI STA. = 203+94.83
 Δ = 73° 37' 46" (RT)
 D = 88° 08' 50"
 T = 48.65
 L = 83.53
 R = 65.00
 PC STA. = 203+46.18
 PT STA. = 204+29.71
 e = 0.02

CURVE DATA RAB_RAY_NB_EX6
 PI STA. = 204+48.60
 Δ = 17° 11' 30" (RT)
 D = 45° 50' 11"
 T = 18.89
 L = 37.50
 R = 125.00
 PC STA. = 204+29.71
 PT STA. = 204+67.21
 e = 0.02

RAB_RAY_WB_EX

CURVE DATA RAB_RAY_WB_EX1
 PI STA. = 301+47.34
 Δ = 23° 01' 37" (LT)
 D = 45° 50' 11"
 T = 25.46
 L = 50.23
 R = 125.00
 PC STA. = 301+21.88
 PT STA. = 301+72.11
 e = 0.02

CURVE DATA RAB_RAY_WB_EX2
 PI STA. = 301+90.85
 Δ = 56° 18' 51" (RT)
 D = 163° 42' 08"
 T = 18.73
 L = 34.40
 R = 35.00
 PC STA. = 301+72.11
 PT STA. = 302+06.51
 e = 0.02

CURVE DATA RB_RA_WB_EX3
 PI STA. = 302+42.76
 Δ = 54° 44' 47" (LT)
 D = 81° 51' 04"
 T = 36.24
 L = 66.88
 R = 70.00
 PC STA. = 302+06.51
 PT STA. = 302+73.40
 e = 0.02

CURVE DATA RAB_RAY_WB_EX4
 PI STA. = 303+14.95
 Δ = 45° 07' 36" (RT)
 D = 57° 17' 44"
 T = 41.55
 L = 78.76
 R = 100.00
 PC STA. = 302+73.40
 PT STA. = 303+52.16
 e = 0.02

CURVE DATA RAB_RAY_WB_EX5
 PI STA. = 304+23.33
 Δ = 40° 43' 35" (RT)
 D = 57° 17' 44"
 T = 37.11
 L = 71.08
 R = 100.00
 PC STA. = 303+86.21
 PT STA. = 304+57.29
 e = 0.02

RAB_RAY_IC_EX


CURVE DATA RAB_RAY_IC_EX1
 PI STA. = 400+18.43
 Δ = 29° 30' 11" (LT)
 D = 81° 51' 04"
 T = 18.43
 L = 36.04
 R = 70.00
 PC STA. = 400+00.00
 PT STA. = 400+36.04
 e = 0.02

CURVE DATA RAB_RAY_IC_EX2
 PI STA. = 400+99.63
 Δ = 52° 50' 01" (LT)
 D = 44° 45' 44"
 T = 63.58
 L = 118.03
 R = 128.00
 PC STA. = 400+36.04
 PT STA. = 401+54.08
 e = 0.02

CURVE DATA RAB_RAY_IC_EX3
 PI STA. = 405+89.50
 Δ = 161° 44' 02" (LT)
 D = 81° 51' 04"
 T = 435.41
 L = 197.59
 R = 70.00
 PC STA. = 401+54.08
 PT STA. = 403+51.67
 e = 0.02

CURVE DATA RAB_RAY_IC_EX4
 PI STA. = 403+67.71
 Δ = 16° 18' 06" (RT)
 D = 51° 09' 25"
 T = 16.04
 L = 31.86
 R = 112.00
 PC STA. = 403+51.67
 PT STA. = 403+83.54
 e = 0.02

CURVE DATA RAB_RAY_IC_EX5
 PI STA. = 405+41.39
 Δ = 127° 00' 41" (LT)
 D = 81° 51' 04"
 T = 140.43
 L = 155.17
 R = 70.00
 PC STA. = 403+83.54
 PT STA. = 405+45.02
 e = 0.02

REVISIONS				TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		INTERSECTION DETAIL (1) RAYMOND AVE / BARTON ST	SHEET NO. 84
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH	01907084		
					ST., PALM SPRINGS DR.			

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

SPLITTER ISLAND DEFINITIONS

NORTH BOUND SPLITTER ISLAND
BASED ON CHAIN
RAB_RAY_NB_EX

- ① STA. 201+71.87
20.90' LT
- ② STA. 201+72.31
26.71' LT
- ③ STA. 201+97.43
31.27' LT
- ④ STA. 201+99.33
31.69' LT
- ⑤ STA. 202+09.20
34.81' LT
- ⑥ STA. 202+13.24
32.92' LT
- ⑦ STA. 202+18.50
23.52' LT
- ⑧ STA. 202+16.22
18.10' LT
- ⑨ STA. 202+03.75
16.84' LT
- ⑩ STA. 201+96.33
23.98' LT
- ⑪ STA. 201+86.13
22.43' LT

SOUTHBOUND SPLITTER ISLAND
BASED ON CHAIN
RAB_RAY_SB_EX

- ① STA. 101+31.48
18.06' LT
- ② STA. 101+30.03
21.83' LT
- ③ STA. 101+51.35
25.42' LT
- ④ STA. 101+51.43
19.18' LT
- ⑤ STA. 101+73.85
18.14' LT
- ⑥ STA. 101+98.18
14.44' LT
- ⑦ STA. 102+29.35
12.00' LT
- ⑧ STA. 102+39.14
12.08' LT
- ⑨ STA. 102+53.64
13.42' LT
- ⑩ STA. 102+55.60
18.64' LT
- ⑪ STA. 102+52.01
27.61' LT
- ⑫ STA. 102+48.70
29.85' LT
- ⑬ STA. 102+39.95
27.19' LT
- ⑭ STA. 102+39.34
27.12' LT
- ⑮ STA. 101+68.04
26.69' LT
- ⑯ STA. 102+37.37
19.76' LT
- ⑰ STA. 102+25.64
18.39' LT

WESTBOUND SPLITTER ISLAND
BASED ON CHAIN
RAB_RAY_WB_EX

- ① STA. 301+22.50
17.93' LT
- ② STA. 301+23.59
12.06' LT
- ③ STA. 301+42.03
22.89' LT
- ④ STA. 301+51.75
24.87' LT
- ⑤ STA. 301+66.75
27.78' LT
- ⑥ STA. 301+77.34
31.95' LT
- ⑦ STA. 301+80.56
29.51' LT
- ⑧ STA. 301+84.52
16.91' LT
- ⑨ STA. 301+82.46
11.71' LT
- ⑩ STA. 301+69.75
12.16' LT
- ⑪ STA. 301+49.75
17.28' LT
- ⑫ STA. 301+63.69
20.38' LT

EASTBOUND SPLITTER ISLAND
BASED ON CHAIN
RAB_RAY_ICD_E

- ① STA. 403+98.90
2.04' RT
- ② STA. 403+96.16
0.00' RT
- ③ STA. 403+86.64
0.02' RT
- ④ STA. 403+84.23
4.45' RT
- ⑤ STA. 403+88.51
13.58' RT
- ⑥ STA. 403+90.72
14.54' RT
- ⑦ STA. 403+99.45
10.62' RT
- ⑧ STA. 404+00.63
8.13' RT
- ⑨ STA. 404+03.52
21.18' RT
- ⑩ STA. 404+01.70
22.31' RT
- ⑪ STA. 403+94.75
25.38' RT
- ⑫ STA. 403+92.85
25.88' RT
- ⑬ STA. 403+94.32
28.74' RT
- ⑭ STA. 404+03.54
24.68' RT

CENTER ISLAND
BASED ON CHAIN
RAB_RAY_ICD_E

- ⑤① STA. 400+00.00
31.64' LT
- ⑤② STA. 400+27.56
30.70' LT
- ⑤③ STA. 400+44.11
28.57' LT
- ⑤④ STA. 400+75.86
25.25' LT
- ⑤⑤ STA. 401+47.65
25.25' LT
- ⑤⑥ STA. 401+90.65
29.88' LT
- ⑤⑦ STA. 402+06.62
30.92' LT
- ⑤⑧ STA. 403+35.15
30.92' LT
- ⑤⑨ STA. 403+81.51
25.93' LT

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
315 E. ROBINSON ST.
SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242



**SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1**

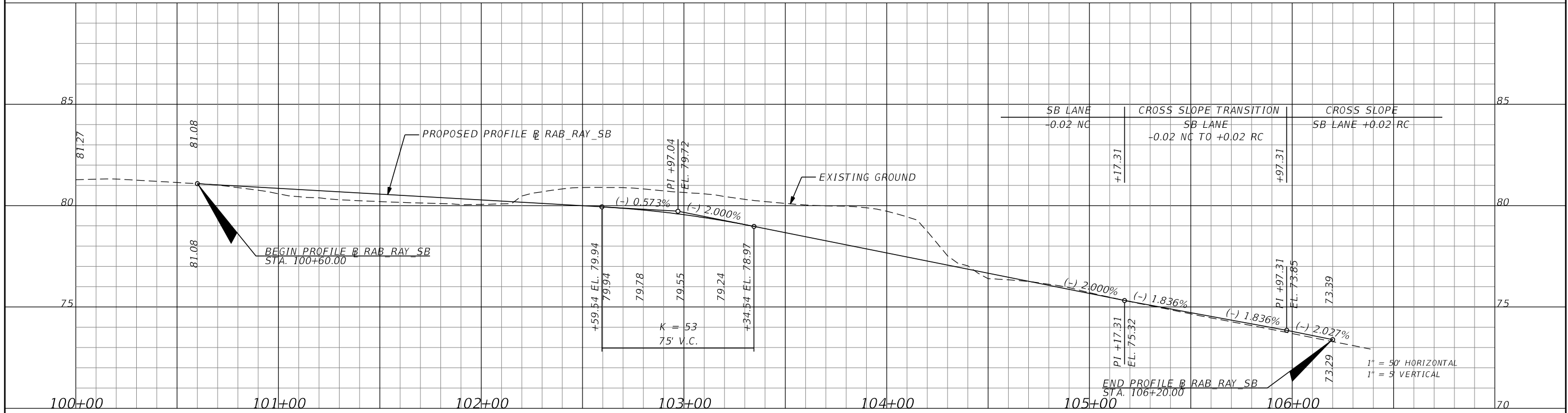
ROAD	COUNTY CIP No.
RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084

**INTERSECTION DETAIL (1)
RAYMOND AVE / BARTON ST**

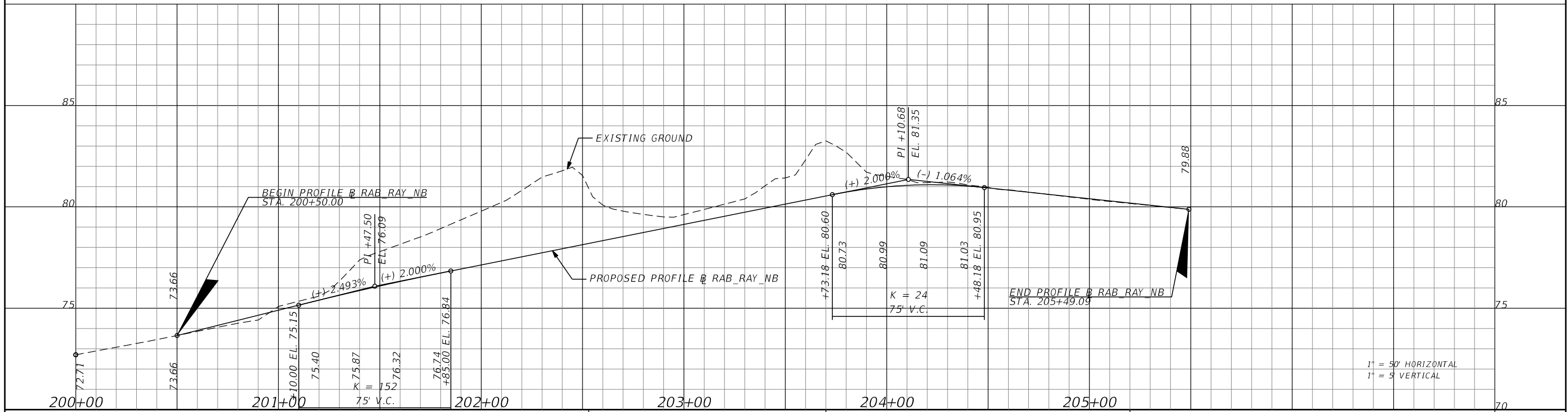
SHEET
NO.
85

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RAB_RAY_SB



RAB_RAY_NB



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
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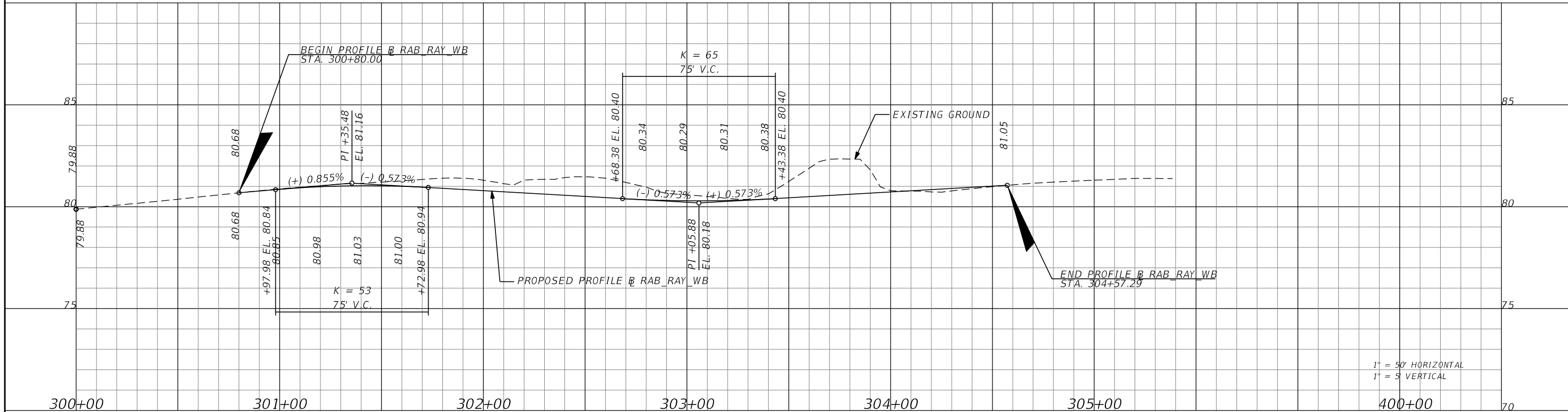
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

INTERSECTION DETAIL (1)
 RAYMOND AVE / BARTON ST

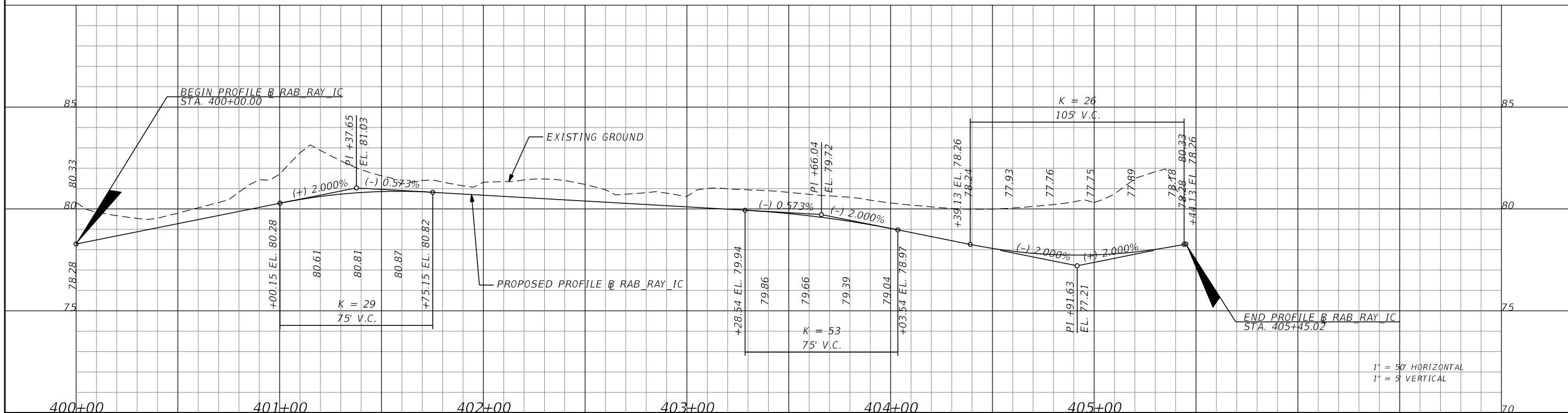
SHEET NO.
 86

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RAB_RAY_WB



RAB_RAY_IC



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

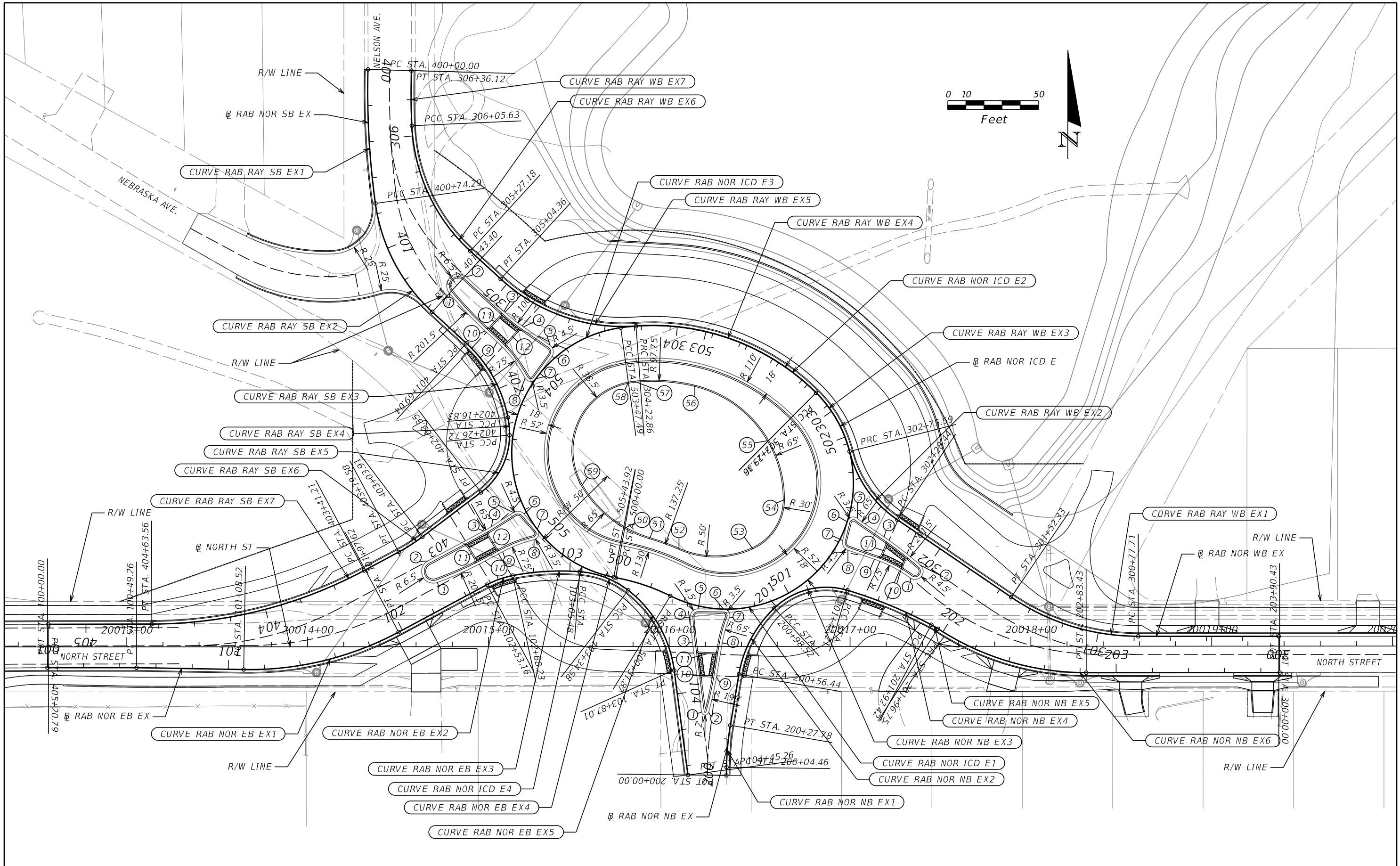
TYLER VALILA, P.E.
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

INTERSECTION DETAIL (1)
RAYMOND AVE / BARTON ST

SHEET NO.
 87

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



TYLER VALILA, P.E.
 LICENSE NO. 90792
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SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

INTERSECTION DETAIL (2)
NORTH ST / VIRGINIA AVE

SHEET NO.
88

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

B RAB NOR EB EX

CURVE DATA RAB NOR EB_EX1
PI STA. = 101+54.06
Δ = 29° 10' 23" (LT)
D = 32° 44' 25"
T = 45.54
L = 89.10
R = 175.00
PC STA. = 101+08.52
PT STA. = 101+97.62
e = 0.02

CURVE DATA RAB NOR EB_EX2
PI STA. = 102+60.75
Δ = 17° 16' 28" (RT)
D = 114° 35' 29"
T = 07.59
L = 15.07
R = 50.00
PC STA. = 102+53.16
PT STA. = 102+68.23
e = 0.02

CURVE DATA RAB NOR EB_EX3
PI STA. = 102+86.97
Δ = 15° 14' 36" (RT)
D = 40° 55' 32"
T = 18.73
L = 37.24
R = 140.00
PC STA. = 102+68.23
PT STA. = 103+05.48
e = 0.02

CURVE DATA RAB NOR EB_EX4
PI STA. = 103+20.46
Δ = 33° 21' 08" (RT)
D = 114° 35' 29"
T = 14.97
L = 29.10
R = 50.00
PC STA. = 103+05.48
PT STA. = 103+34.58
e = 0.02

CURVE DATA RAB NOR EB_EX5
PI STA. = 103+62.22
Δ = 44° 50' 09" (RT)
D = 85° 30' 57"
T = 27.64
L = 52.43
R = 67.00
PC STA. = 103+34.58
PT STA. = 103+87.01
e = 0.02

B RAB NOR NB EX

CURVE DATA RAB NOR NB_EX1
PI STA. = 200+16.15
Δ = 08° 54' 24" (RT)
D = 38° 11' 49"
T = 11.68
L = 23.31
R = 150.00
PC STA. = 200+04.46
PT STA. = 200+27.78
e = 0.02

CURVE DATA RAB NOR NB_EX2
PI STA. = 200+78.25
Δ = 37° 05' 26" (RT)
D = 88° 08' 50"
T = 21.80
L = 42.07
R = 65.00
PC STA. = 200+56.44
PT STA. = 200+98.52
e = 0.02

CURVE DATA RAB NOR NB_EX3
PI STA. = 201+22.64
Δ = 60° 22' 35" (RT)
D = 138° 12' 51"
T = 24.11
L = 43.68
R = 41.45
PC STA. = 200+22.64
PT STA. = 201+42.21
e = 0.02

CURVE DATA RAB NOR NB_EX4
PI STA. = 201+67.40
Δ = 11° 30' 32" (RT)
D = 22° 55' 05"
T = 25.19
L = 50.21
R = 250.00
PC STA. = 201+42.21
PT STA. = 201+92.42
e = 0.02

CURVE DATA RAB NOR NB_EX5
PI STA. = 201+94.59
Δ = 04° 57' 36" (RT)
D = 114° 35' 29"
T = 02.16
L = 04.32
R = 50.00
PC STA. = 201+96.75
PT STA. = 202+83.43
e = 0.02

CURVE DATA RAB NOR NB_EX6
PI STA. = 202+41.34
Δ = 33° 06' 32" (LT)
D = 38° 11' 49"
T = 44.58
L = 86.67
R = 150.00
PC STA. = 202+41.34
PT STA. = 202+83.43
e = 0.02

B RAB NOR WB EX

CURVE DATA RAB NOR WB_EX1
PI STA. = 301+16.17
Δ = 34° 12' 08" (RT)
D = 45° 50' 11"
T = 38.45
L = 74.61
R = 125.00
PC STA. = 300+77.71
PT STA. = 301+52.33
e = 0.02

CURVE DATA RAB NOR WB_EX2
PI STA. = 302+53.10
Δ = 41° 33' 34" (RT)
D = 88° 08' 50"
T = 24.66
L = 47.14
R = 65.00
PC STA. = 302+28.44
PT STA. = 302+75.59
e = 0.02

CURVE DATA RAB NOR WB_EX3
PI STA. = 302+94.96
Δ = 30° 56' 07" (LT)
D = 81° 51' 04"
T = 19.37
L = 37.79
R = 70.00
PC STA. = 302+75.59
PT STA. = 303+13.38
e = 0.02

CURVE DATA RAB NOR WB_EX4
PI STA. = 303+71.72
Δ = 49° 00' 18" (LT)
D = 44° 45' 44"
T = 58.33
L = 109.47
R = 128.00
PC STA. = 303+13.38
PT STA. = 304+22.86
e = 0.02

CURVE DATA RAB NOR WB_EX5
PI STA. = 304+66.03
Δ = 46° 41' 53" (RT)
D = 57° 17' 44"
T = 43.16
L = 81.50
R = 100.00
PC STA. = 304+22.86
PT STA. = 305+04.36
e = 0.02

CURVE DATA RAB NOR WB_EX6
PI STA. = 305+68.55
Δ = 44° 56' 40" (RT)
D = 57° 17' 44"
T = 41.36
L = 78.44
R = 100.00
PC STA. = 305+27.18
PT STA. = 306+05.63
e = 0.02

CURVE DATA RAB NOR WB_EX7
PI STA. = 306+20.88
Δ = 04° 06' 03" (RT)
D = 13° 26' 58"
T = 15.25
L = 30.49
R = 426.00
PC STA. = 306+05.63
PT STA. = 306+36.12
e = 0.02

B RAB NOR SB EX

CURVE DATA RAB NOR SB_EX1
PI STA. = 400+37.23
Δ = 09° 27' 33" (LT)
D = 12° 43' 56"
T = 37.23
L = 74.29
R = 450.00
PC STA. = 400+00.00
PT STA. = 401+74.29
e = 0.02

CURVE DATA RAB NOR SB_EX2
PI STA. = 401+10.29
Δ = 39° 35' 09" (LT)
D = 57° 16' 53"
T = 35.99
L = 69.10
R = 100.02
PC STA. = 400+74.29
PT STA. = 401+43.40
e = 0.02

CURVE DATA RAB NOR SB_EX3
PI STA. = 401+93.78
Δ = 36° 30' 16" (RT)
D = 76° 23' 39"
T = 24.73
L = 47.78
R = 75.00
PC STA. = 401+69.04
PT STA. = 402+16.83
e = 0.02

CURVE DATA RAB NOR SB_EX4
PI STA. = 402+46.43
Δ = 11° 19' 57" (RT)
D = 114° 35' 29"
T = 04.96
L = 09.88
R = 50.00
PC STA. = 402+16.83
PT STA. = 402+26.72
e = 0.02

CURVE DATA RAB NOR SB_EX5
PI STA. = 402+46.43
Δ = 52° 28' 33" (RT)
D = 143° 14' 22"
T = 19.71
L = 36.63
R = 40.00
PC STA. = 402+26.72
PT STA. = 402+63.35
e = 0.02

CURVE DATA RAB NOR SB_EX6
PI STA. = 403+11.76
Δ = 08° 58' 44" (RT)
D = 57° 17' 44"
T = 07.85
L = 15.67
R = 100.00
PC STA. = 403+03.91
PT STA. = 403+19.58
e = 0.02

CURVE DATA RAB NOR SB_EX7
PI STA. = 404+03.64
Δ = 28° 02' 25" (RT)
D = 22° 55' 05"
T = 62.42
L = 122.35
R = 250.00
PC STA. = 403+41.21
PT STA. = 404+63.56
e = 0.02

B RAB NOR IC EX

CURVE DATA RAB NOR IC_EX1
PI STA. = 500+16.04
Δ = 16° 18' 06" (RT)
D = 51° 09' 25"
T = 16.04
L = 31.86
R = 112.00
PC STA. = 500+00.00
PT STA. = 500+31.87
e = 0.02

CURVE DATA RAB NOR IC_EX2
PI STA. = 504+67.29
Δ = 81° 51' 04" (LT)
D = 81° 51' 04"
T = 435.41
L = 197.59
R = 70.00
PC STA. = 500+31.87
PT STA. = 502+29.46
e = 0.02

CURVE DATA RAB NOR IC_EX3
PI STA. = 502+93.05
Δ = 52° 50' 01" (LT)
D = 44° 45' 44"
T = 63.58
L = 118.03
R = 128.00
PC STA. = 502+29.46
PT STA. = 503+43.92
e = 0.02

CURVE DATA RAB NOR IC_EX4
PI STA. = 507+60.87
Δ = 160° 46' 40" (LT)
D = 81° 51' 04"
T = 413.37
L = 196.42
R = 70.00
PC STA. = 503+47.49
PT STA. = 505+43.92
e = 0.02

REVISIONS				TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		INTERSECTION DETAIL (2) NORTH ST / VIRGINIA AVE	SHEET NO. 89
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

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

SPLITTER ISLAND DEFINITIONS

EASTBOUND SPLITTER ISLAND
BASED ON CHAIN
RAB_NOR_EB_EX

- ① STA. 102+29.47
14.07' LT
- ② STA. 102+30.40
27.00' LT
- ③ STA. 102+61.13
27.99' LT
- ④ STA. 102+64.14
29.08' LT
- ⑤ STA. 102+73.89
34.30' LT
- ⑥ STA. 102+78.46
32.67' LT
- ⑦ STA. 102+83.82
23.53' LT
- ⑧ STA. 102+81.82
18.02' LT
- ⑨ STA. 102+65.88
14.06' LT
- ⑩ STA. 102+57.26
12.21' LT
- ⑪ STA. 102+54.00
19.53' LT
- ⑫ STA. 102+62.53
20.74' LT

NORTHBOUND SPLITTER ISLAND
BASED ON CHAIN
RAB_NOR_NB_EX

- ① STA. 200+32.45
16.90' LT
- ② STA. 200+32.83
13.00' LT
- ③ STA. 200+65.66
29.31' LT
- ④ STA. 200+73.65
35.35' LT
- ⑤ STA. 200+77.86
33.51' LT
- ⑥ STA. 200+82.81
21.37' LT
- ⑦ STA. 200+80.94
16.09' LT
- ⑧ STA. 200+69.36
13.55' LT
- ⑨ STA. 200+52.77
12.00' LT
- ⑩ STA. 200+52.82
17.47' LT
- ⑪ STA. 200+62.79
19.66' LT

WESTBOUND SPLITTER ISLAND
BASED ON CHAIN
RAB_NOR_WB_EX

- ① STA. 302+04.49
22.58' LT
- ② STA. 302+03.78
13.62' LT
- ③ STA. 302+29.14
12.00' LT
- ④ STA. 302+39.83
13.20' LT
- ⑤ STA. 302+44.02
14.06' LT
- ⑥ STA. 302+45.82
19.51' LT
- ⑦ STA. 302+41.46
28.38' LT
- ⑧ STA. 302+37.47
30.20' LT
- ⑨ STA. 302+26.66
25.19' LT
- ⑩ STA. 302+12.57
17.69' LT
- ⑪ STA. 302+24.67
18.24' LT

SOUTHBOUND SPLITTER ISLAND
BASED ON CHAIN
RAB_NOR_SB_EX

- ① STA. 401+43.24
14.07' LT
- ② STA. 401+44.19
27.00' LT
- ③ STA. 401+71.49
27.05' LT
- ④ STA. 401+81.39
29.37' LT
- ⑤ STA. 401+92.90
35.97' LT
- ⑥ STA. 401+97.08
33.99' LT
- ⑦ STA. 402+02.62
20.92' LT
- ⑧ STA. 402+00.48
15.62' LT
- ⑨ STA. 401+79.36
12.83' LT
- ⑩ STA. 401+71.63
12.05' LT
- ⑪ STA. 401+72.26
19.59' LT
- ⑫ STA. 401+81.62
21.20' LT

CENTER ISLAND
BASED ON CHAIN
RAB_NOR_IC_EX

- ⑤⑩ STA. 500+00.00
27.76' LT
- ⑤⑪ STA. 500+11.92
25.25' LT
- ⑤⑫ STA. 500+26.04
25.25' LT
- ⑤⑬ STA. 500+90.52
30.65' LT
- ⑤⑭ STA. 501+54.22
36.77' LT
- ⑤⑮ STA. 502+29.46
37.20' LT
- ⑤⑯ STA. 502+98.98
30.25' LT
- ⑤⑰ STA. 503+43.31
30.25' LT
- ⑤⑱ STA. 503+47.49
30.33' LT
- ⑤⑲ STA. 504+84.33
33.75' LT

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
315 E. ROBINSON ST.
SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242



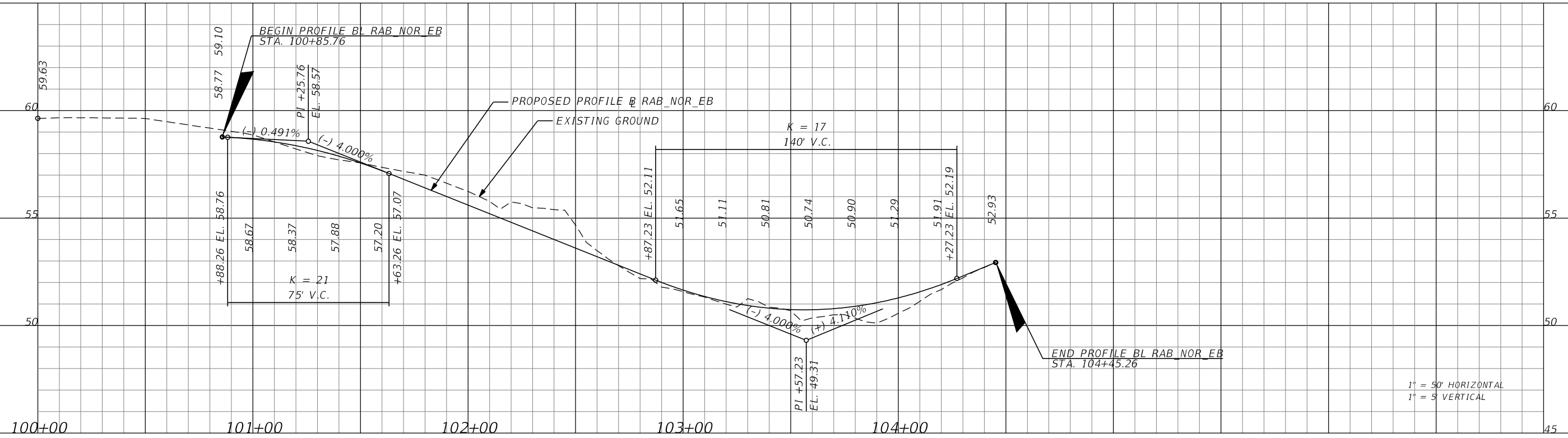
SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

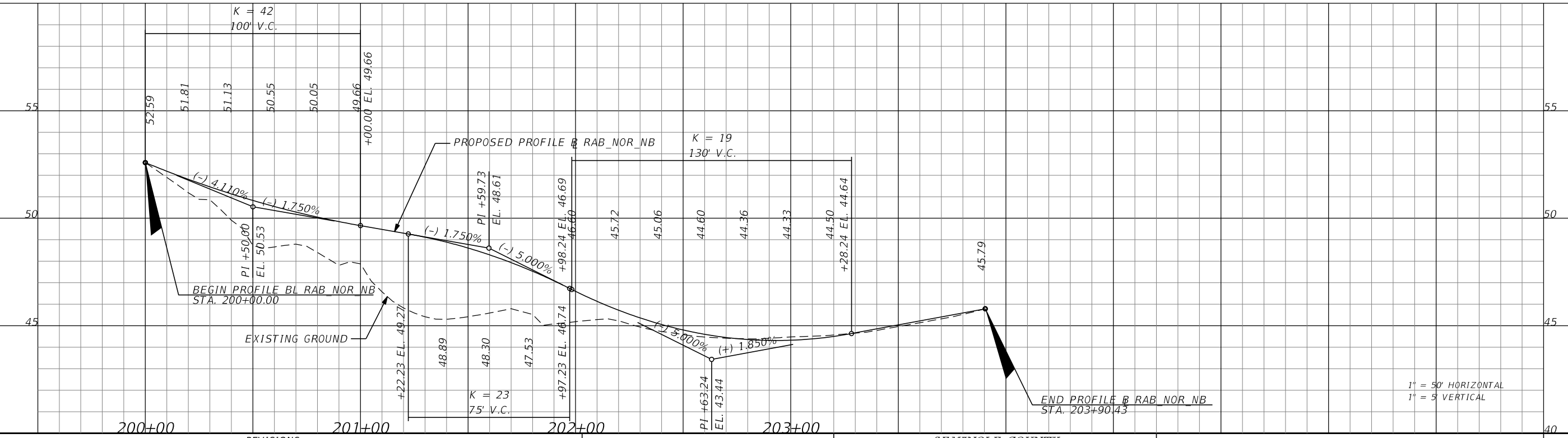
**INTERSECTION DETAIL (2)
NORTH ST / VIRGINIA AVE**

SHEET
NO.
90

B_RAB_NOR_EB



B_RAB_NOR_NB



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

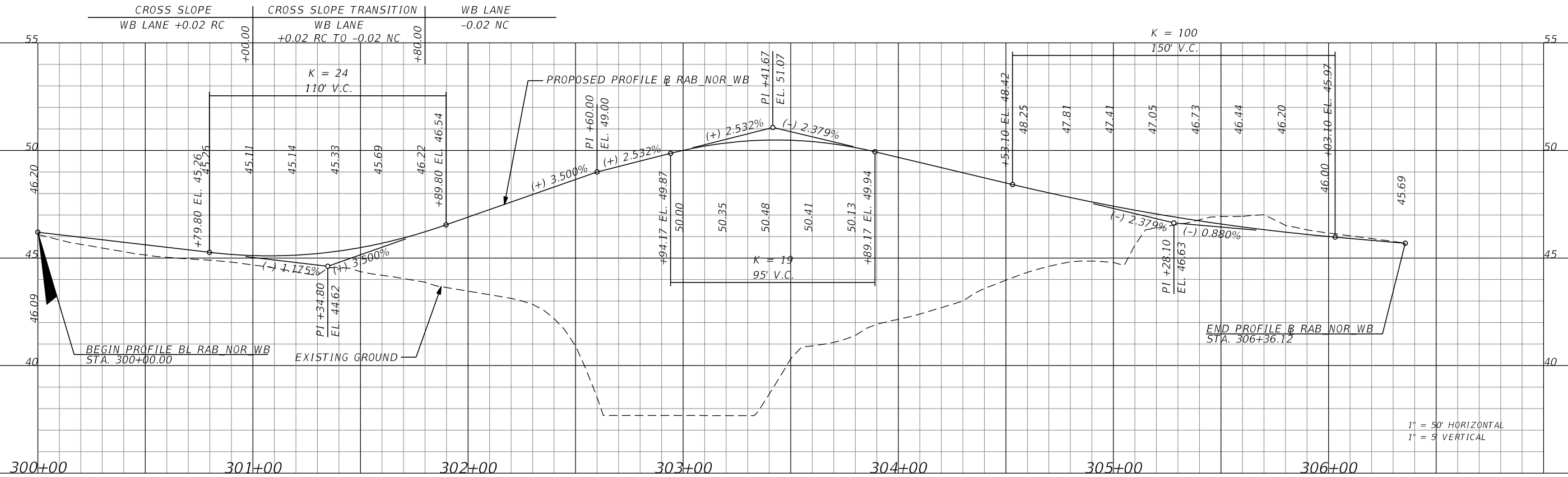
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RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

INTERSECTION DETAIL (2)
NORTH ST / VIRGINIA AVE

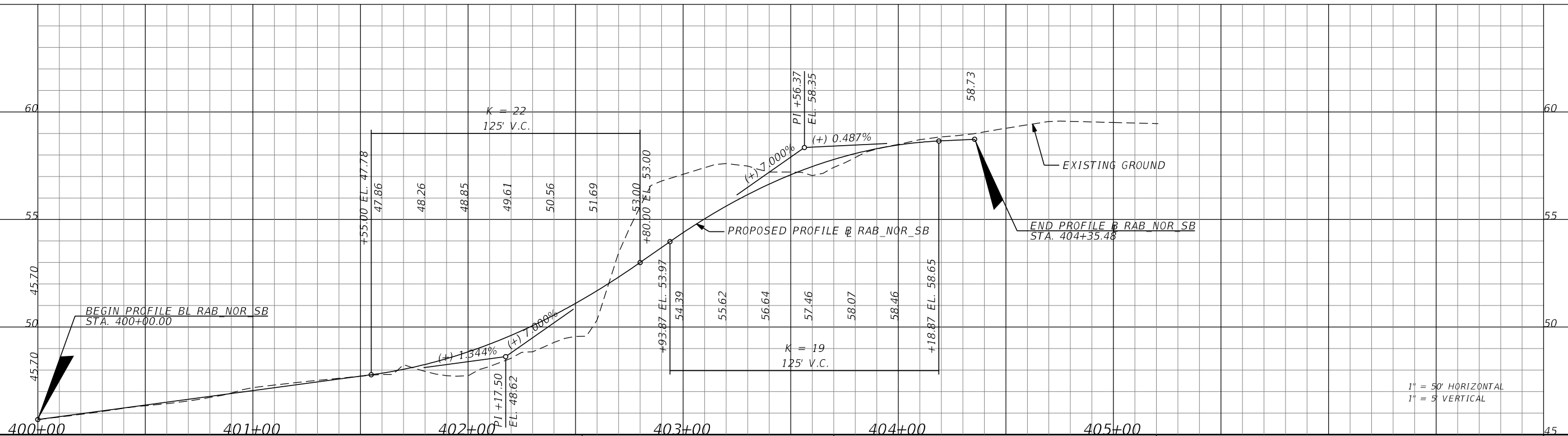
SHEET NO.
91

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B RAB NOR WB



B RAB NOR SB



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

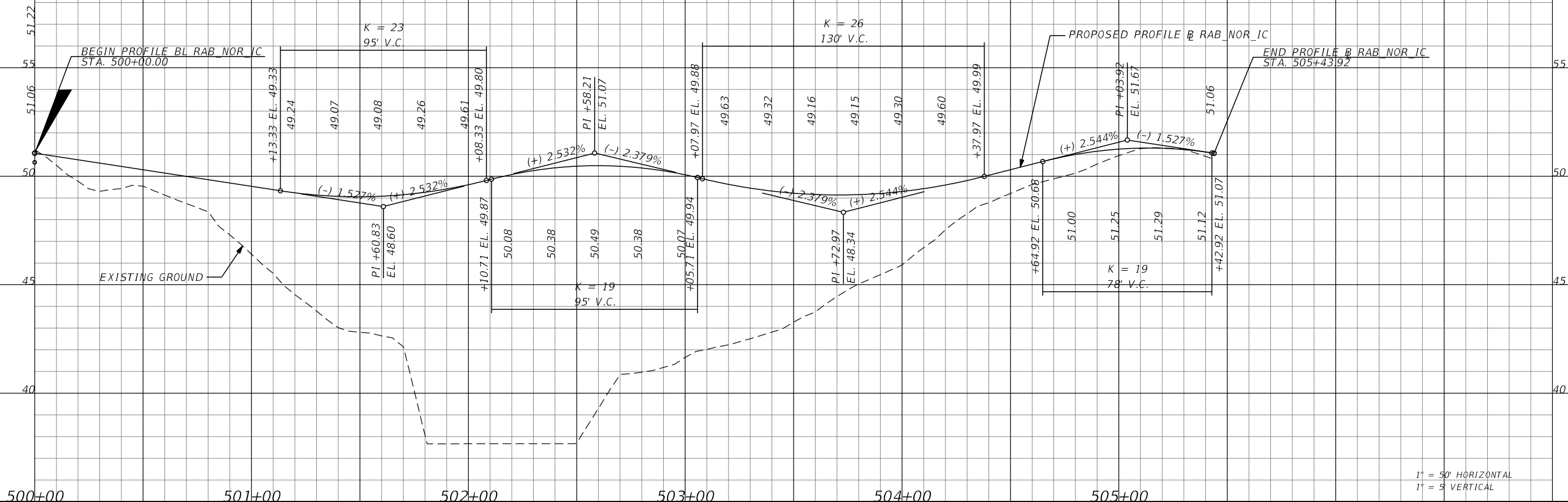
ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR.
 COUNTY CIP No.: 01907084

INTERSECTION DETAIL (2)
NORTH ST / VIRGINIA AVE

SHEET NO.
 92

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B_RAB_NOR_IC



1" = 50' HORIZONTAL
1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801
PHONE 407.420.4200 FAX 407.420.4242

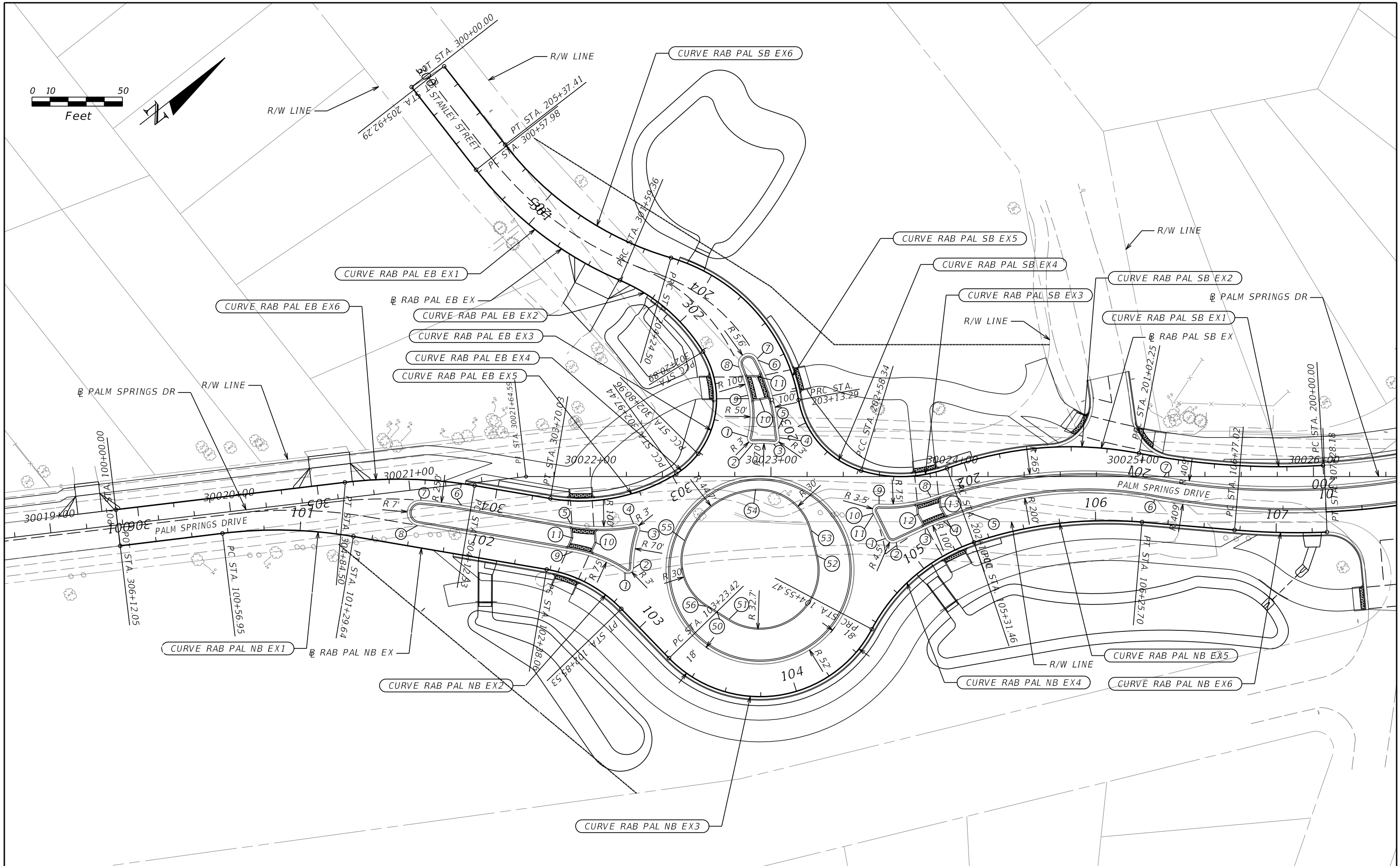
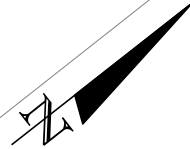
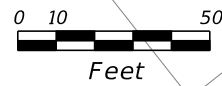
HR

SEMINOLE COUNTY ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
ROAD COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

**INTERSECTION DETAIL (2)
NORTH ST / VIRGINIA AVE**

SHEET NO.
93

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST. SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

INTERSECTION DETAIL (3)
PALM SPRINGS DR /
STANLEY ST

SHEET NO.
 94

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

RAB PAL NB EX

CURVE DATA RAB_PAL_NB_EX1
 PI STA. = 100+93.55
 Δ = 16° 39' 32" (RT)
 D = 22° 55' 05"
 T = 36.60
 L = 72.68
 R = 250.00
 PC STA. = 100+56.95
 PT STA. = 101+29.64
 e = 0.02

CURVE DATA RAB_PAL_NB_EX2
 PI STA. = 102+62.62
 Δ = 36° 15' 48" (RT)
 D = 76° 23' 39"
 T = 24.55
 L = 47.46
 R = 75.00
 PC STA. = 102+38.68
 PT STA. = 102+85.53
 e = 0.02

CURVE DATA RAB_PAL_NB_EX3
 PI STA. = 104+19.92
 Δ = 108° 04' 57" (LT)
 D = 81° 51' 04"
 T = 96.49
 L = 132.04
 R = 70.00
 PC STA. = 103+23.42
 PT STA. = 105+31.46
 e = 0.02

CURVE DATA RAB_PAL_NB_EX4
 PI STA. = 104+95.40
 Δ = 43° 32' 17" (RT)
 D = 57° 17' 44"
 T = 39.93
 L = 75.98
 R = 100.00
 PC STA. = 104+55.47
 PT STA. = 106+25.70
 e = 0.02

CURVE DATA RAB_PAL_NB_EX5
 PI STA. = 105+79.25
 Δ = 23° 28' 38" (RT)
 D = 24° 54' 40"
 T = 47.79
 L = 94.24
 R = 230.00
 PC STA. = 105+31.46
 PT STA. = 107+28.18
 e = 0.02

CURVE DATA RAB_PAL_NB_EX6
 PI STA. = 107+02.63
 Δ = 07° 10' 03" (LT)
 D = 14° 00' 31"
 T = 25.61
 L = 51.16
 R = 409.00
 PC STA. = 106+77.02
 PT STA. = 107+28.18
 e = 0.02

RAB PAL SB EX

CURVE DATA RAB_PAL_SB_EX1
 PI STA. = 200+51.39
 Δ = 14° 19' 26" (RT)
 D = 14° 00' 31"
 T = 51.39
 L = 102.25
 R = 409.00
 PC STA. = 200+00.00
 PT STA. = 201+02.25
 e = 0.02

CURVE DATA RAB_PAL_SB_EX2
 PI STA. = 201+57.47
 Δ = 30° 52' 01" (LT)
 D = 28° 38' 52"
 T = 55.21
 L = 107.74
 R = 200.00
 PC STA. = 201+02.25
 PT STA. = 202+10.00
 e = 0.02

CURVE DATA RAB_PAL_SB_EX3
 PI STA. = 202+35.04
 Δ = 36° 55' 41" (RT)
 D = 76° 23' 39"
 T = 25.04
 L = 48.33
 R = 75.00
 PC STA. = 202+10.00
 PT STA. = 202+58.34
 e = 0.02

CURVE DATA RAB_PAL_SB_EX4
 PI STA. = 202+88.96
 Δ = 62° 58' 00" (RT)
 D = 114° 35' 29"
 T = 30.62
 L = 54.94
 R = 50.00
 PC STA. = 202+58.34
 PT STA. = 202+13.29

CURVE DATA RAB_PAL_SB_EX5
 PI STA. = 203+75.44
 Δ = 63° 43' 19" (LT)
 D = 57° 17' 44"
 T = 62.15
 L = 111.21
 R = 100.00
 PC STA. = 203+13.29
 PT STA. = 204+24.50
 e = 0.02

CURVE DATA RAB_PAL_SB_EX6
 PI STA. = 204+82.91
 Δ = 36° 10' 50" (RT)
 D = 32° 02' 40"
 T = 58.40
 L = 112.90
 R = 178.00
 PC STA. = 204+24.50
 PT STA. = 205+37.41
 e = 0.02

RAB PAL EB EX

CURVE DATA RAB_PAL_EB_EX1
 PI STA. = 301+17.96
 Δ = 31° 33' 17" (LT)
 D = 16° 22' 13"
 T = 98.89
 L = 192.76
 R = 350.00
 PC STA. = 300+19.07
 PT STA. = 302+11.82
 e = 0.02

CURVE DATA RAB_PAL_EB_EX2
 PI STA. = 302+51.42
 Δ = 66° 50' 36" (RT)
 D = 95° 29' 35"
 T = 39.60
 L = 70.00
 R = 60.00
 PC STA. = 302+11.82
 PT STA. = 302+81.82
 e = 0.02

CURVE DATA RAB_PAL_EB_EX3
 PI STA. = 303+51.86
 Δ = 45° 42' 18" (LT)
 D = 57° 17' 45"
 T = 42.14
 L = 79.77
 R = 100.00
 PC STA. = 303+09.72
 PT STA. = 303+89.49
 e = 0.02

CURVE DATA RAB_PAL_EB_EX4
 PI STA. = 304+12.56
 Δ = 17° 29' 06" (RT)
 D = 38° 11' 50"
 T = 23.07
 L = 45.78
 R = 150.00
 PC STA. = 303+89.49
 PT STA. = 304+35.27
 e = 0.02

CURVE DATA RAB_PAL_EB_EX5
 PI STA. = 304+65.06
 Δ = 16° 56' 51" (LT)
 D = 28° 38' 52"
 T = 29.80
 L = 59.16
 R = 200.00
 PC STA. = 304+35.27
 PT STA. = 304+94.42
 e = 0.02

REVISIONS				TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		INTERSECTION DETAIL (3) PALM SPRINGS DR / STANLEY ST	SHEET NO. 95
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

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

SPLITTER ISLAND DEFINITIONS

NORTHBOUND SPLITTER ISLAND
ON CHAIN RAB_PAL_NB_EX

- ① STA. 102+74.85
16.23' LT
- ② STA. 102+76.55
21.06' LT
- ③ STA. 102+69.73
39.87' LT
- ④ STA. 102+66.52
41.31' LT
- ⑤ STA. 102+44.56
27.38' LT
- ⑥ STA. 101+85.66
27.00' LT
- ⑦ STA. 101+63.01
25.97' LT
- ⑧ STA. 101+63.64
12.00' LT
- ⑨ STA. 102+48.66
12.88' LT
- ⑩ STA. 102+56.48
22.35' LT
- ⑪ STA. 102+47.00
20.19' LT

SOUTHBOUND SPLITTER ISLAND
BASED ON CHAIN RAB_PAL_SB_EX

- ① STA. 202+41.91
34.54' LT
- ② STA. 202+37.81
36.32' LT
- ③ STA. 202+26.35
29.64' LT
- ④ STA. 202+18.78
27.47' LT
- ⑤ STA. 202+06.61
27.00' LT
- ⑥ STA. 200+89.73
23.61' LT
- ⑦ STA. 200+86.70
10.65' LT
- ⑧ STA. 202+21.83
12.83' LT
- ⑨ STA. 202+46.04
15.99' LT
- ⑩ STA. 202+48.08
21.49' LT
- ⑪ STA. 202+47.85
21.92' LT
- ⑫ STA. 202+28.45
21.14' LT
- ⑬ STA. 202+18.89
19.39' LT

EASTBOUND SPLITTER ISLAND
BASED ON CHAIN RAB_PAL_EB_EX

- ① STA. 302+63.64
20.26' LT
- ② STA. 302+65.42
24.34' LT
- ③ STA. 302+63.37
35.29' LT
- ④ STA. 302+60.89
37.50' LT
- ⑤ STA. 302+58.17
35.74' LT
- ⑥ STA. 302+34.15
26.07' LT
- ⑦ STA. 302+33.43
25.85' LT
- ⑧ STA. 302+34.76
14.91' LT
- ⑨ STA. 302+46.98
17.36' LT
- ⑩ STA. 302+48.33
23.79' LT
- ⑪ STA. 302+40.14
23.53' LT

CENTER ISLAND BASED ON CHAIN
RAB_PAL_NB_EX

- ⑤① STA. 103+23.42
36.95' LT
- ⑤② STA. 103+40.37
37.92' LT
- ⑤③ STA. 104+70.32
47.16' LT
- ⑤④ STA. 104+76.18
58.56' LT
- ⑤⑤ STA. 104+75.10
96.78' LT
- ⑤⑥ STA. 102+83.87
51.39' LT
- ⑤⑦ STA. 103+17.21
34.73' LT

REVISIONS					SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		INTERSECTION DETAIL (3) PALM SPRINGS DR / STANLEY ST	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		96
				<small>TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small>	RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

SUSERS

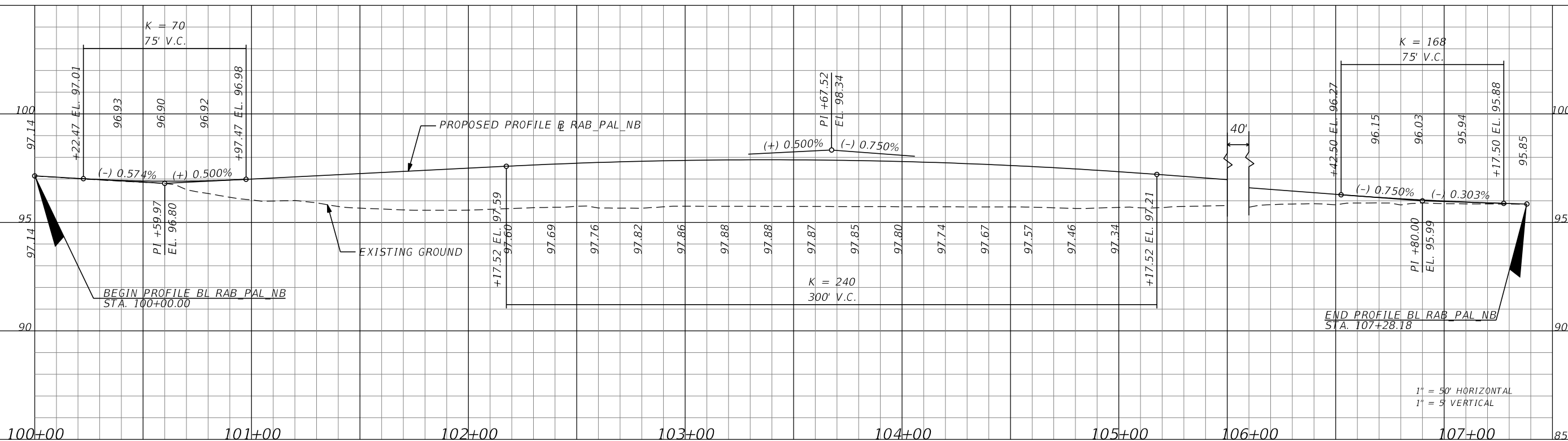
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STIMES

SFILES

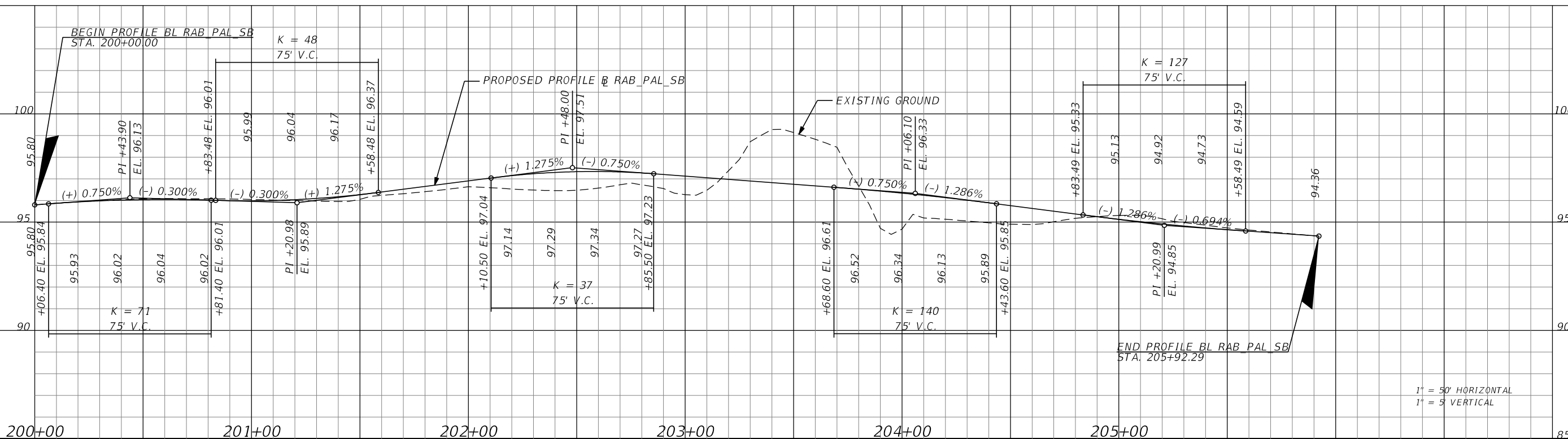
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RAB_PAL_NB



1" = 50' HORIZONTAL
1" = 5' VERTICAL

RAB_PAL_SB



1" = 50' HORIZONTAL
1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
LICENSE NO. 90792
315 E. ROBINSON ST.
SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242



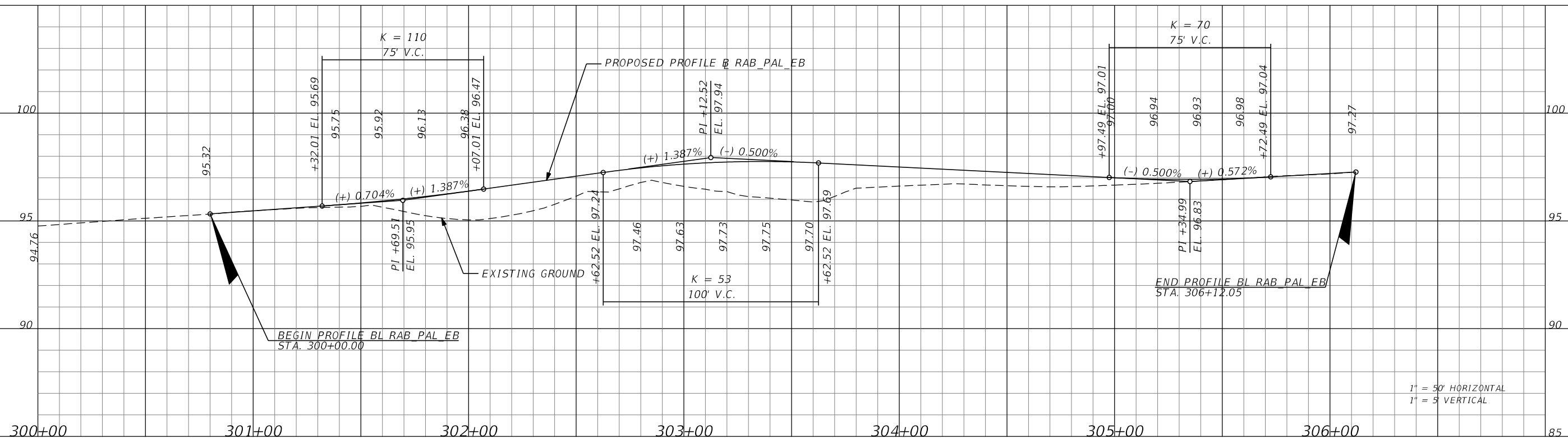
SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
ROAD COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

INTERSECTION DETAIL (3)
PALM SPRINGS DR /
STANLEY ST

SHEET NO.
97

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RAB PAL EB



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

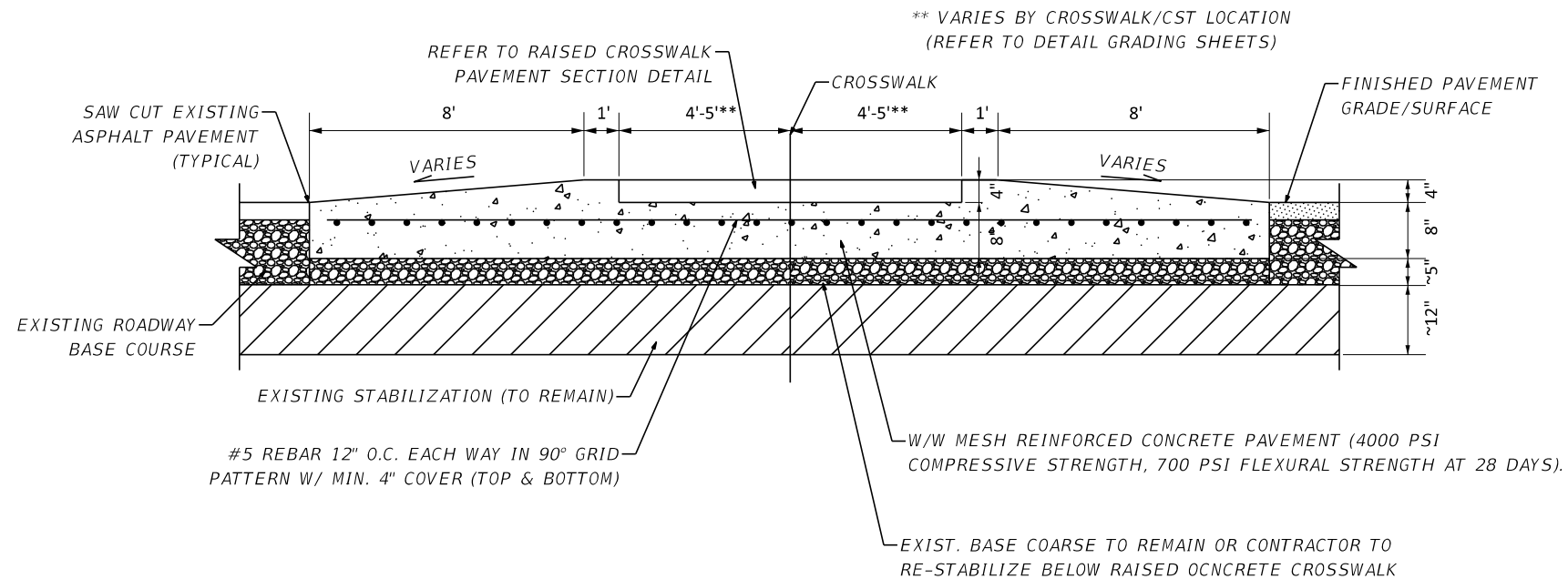


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

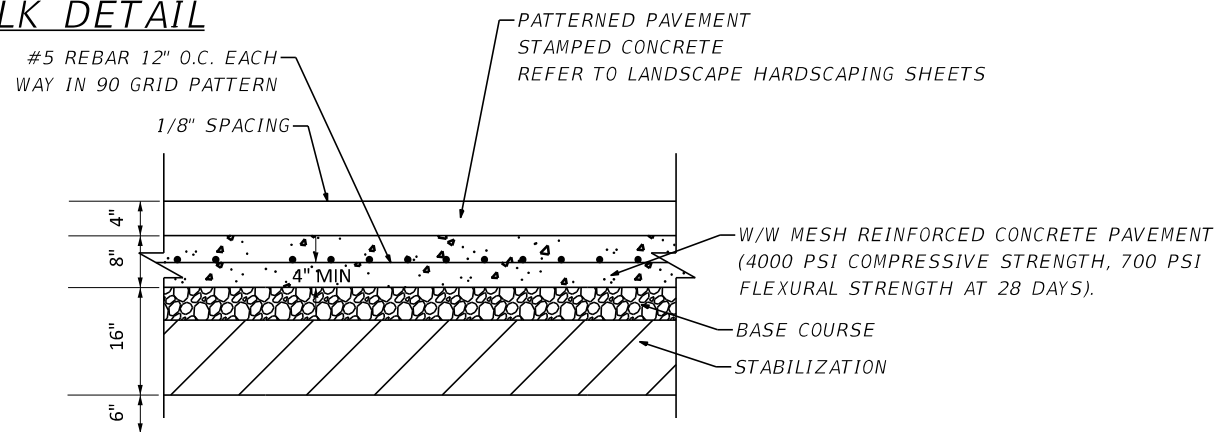
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

INTERSECTION DETAIL (3)
 PALM SPRINGS DR /
 STANLEY ST

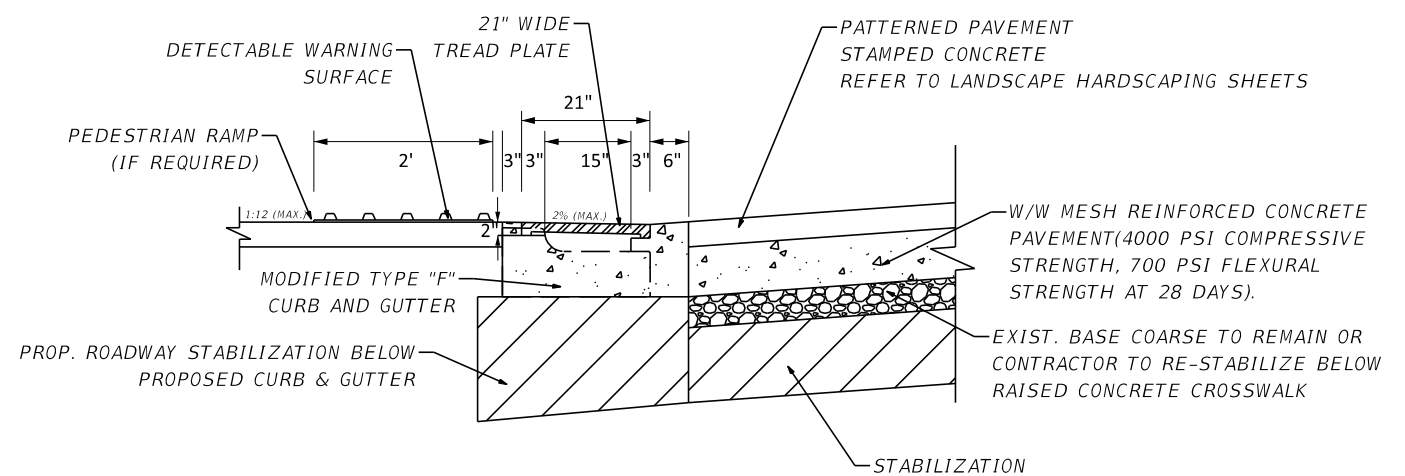
SHEET NO.
 98



RAISED CROSSWALK DETAIL



RAISED CROSS WALK PAVEMENT SECTION



TREAD PLATE DETAIL

RAISED CROSSWALK NOTES

1. SEE SIGNING AND STRIPING PLANS FOR ADVANCE RAISED CROSSWALK MARKINGS.
2. ALL CONCRETE USED FOR RAISED CROSSWALK SHALL BE 4,000 PSI AND CURBING SHALL BE 3,000 PSI.
3. ALL STRIPING AND SIGN PLACEMENT SHALL CONFORM TO MUTCD AND FDOT STANDARDS.
4. ALL SIGNS USED SHALL CONFORM TO THE LATEST MUTCD AND FDOT STANDARDS.
5. ALL STRIPING USED SHALL BE REFLECTIVE THERMOPLASTIC.
6. CAST IRON PLATES SHALL BE ADA COMPLIANT AND SUBMITTED TO THE COUNTY FOR REVIEW/APPROVAL PRIOR TO ORDER. COST FOR TREAD PLATES SHALL BE INCIDENTAL TO THE REINFORCED CONCRETE PAVEMENT FOR THE RAISED CROSSWALK(S).
7. DETECTABLE WARNING SURFACES AND THEIR PLACEMENT SHALL COMPLY WITH FDOT STANDARD PLANS INDEX 522-002 (LATEST EDITION) AND SHALL BE MECHANICALLY FASTENED BY 3/8"X3.5" HOT-DIPPED, GALVANIZED SLEEVE ANCHORS AT 2 ANCHORS PER SQUARE FOOT. EXTERIOR CONSTRUCTION ADHESIVE MAY ONLY BE USED AS A SECONDARY BONDING AGENT.
8. GRADE TRANSITIONS FROM ROADWAY TO SPEED TABLES SHALL BE NEAT AND CLEAN WITH NO RAGGED EDGES.
9. CONTRACTOR SHALL CONSTRUCT RAISED CROSSWALKS ACCORDING TO DETAILS PROVIDED WITH SPECIAL ATTENTION TO ALL POINT ELEVATION REFERENCED AS THE RUNNING GRADE OF THE CROSSWALK MAY VARY ACROSS THE WIDTH OF THE ROADWAY. NO RUNNING GRADE (PARALLEL TO PEDESTRIAN DIRECTION OF TRAVEL) SHALL EXCEED 8.33% UNLESS SPECIALLY IDENTIFIED IN THE PLANS. NO CROSS SLOPE (PERPENDICULAR TO PEDESTRIAN DIRECTION OF TRAVEL) SHALL EXCEED 2% (1.5% PROVIDED BY DESIGN IS PREFERRED).
10. ROADWAY DRAINAGE FLOW PATTERNS/DIRECTIONS SHALL BE MAINTAINED UNLESS OTHERWISE NOTED IN THE PLANS

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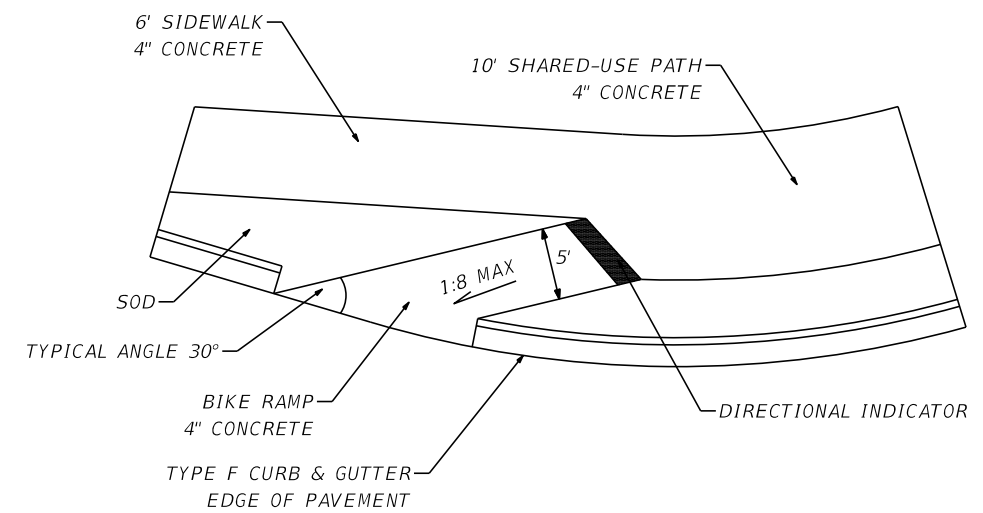
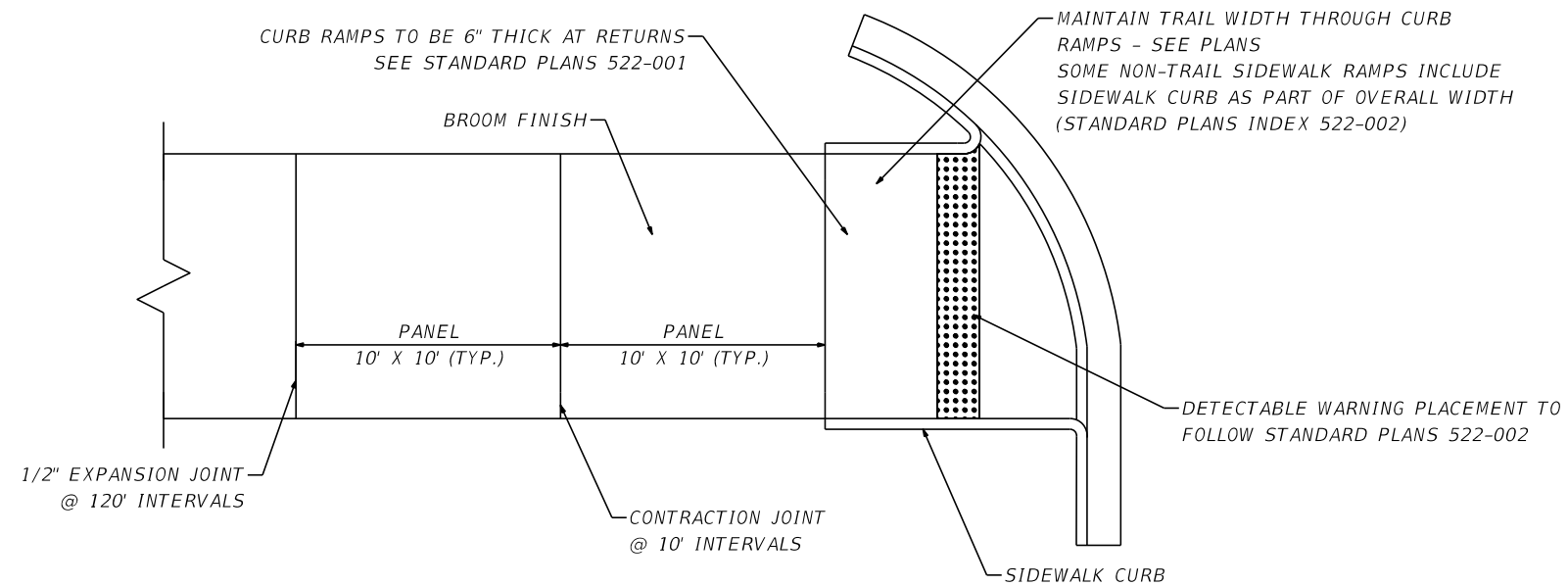
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

SPECIAL DETAILS

SHEET NO.

99



CONCRETE TRAIL SURFACE AND RAMPS DETAIL

REVISIONS			
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315 E. ROBINSON ST.
SUITE 400
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PHONE 407.420.4200
FAX 407.420.4242

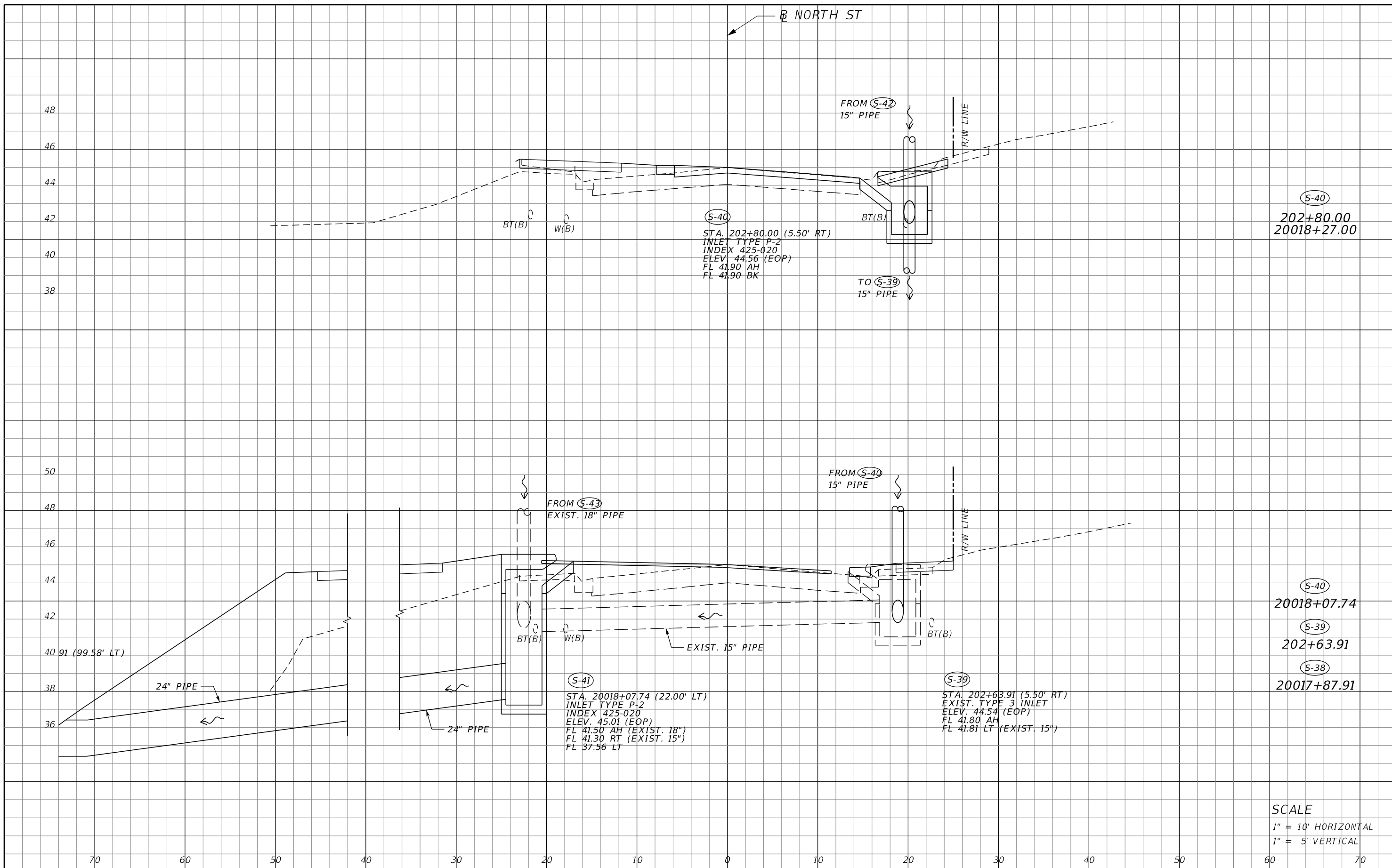
HDR

SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

SPECIAL DETAILS

SHEET
NO.
100



(S-40)
202+80.00
20018+27.00

(S-40)
20018+07.74
(S-39)
202+63.91
(S-38)
20017+87.91

SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
315 E. ROBINSON ST.
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ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242

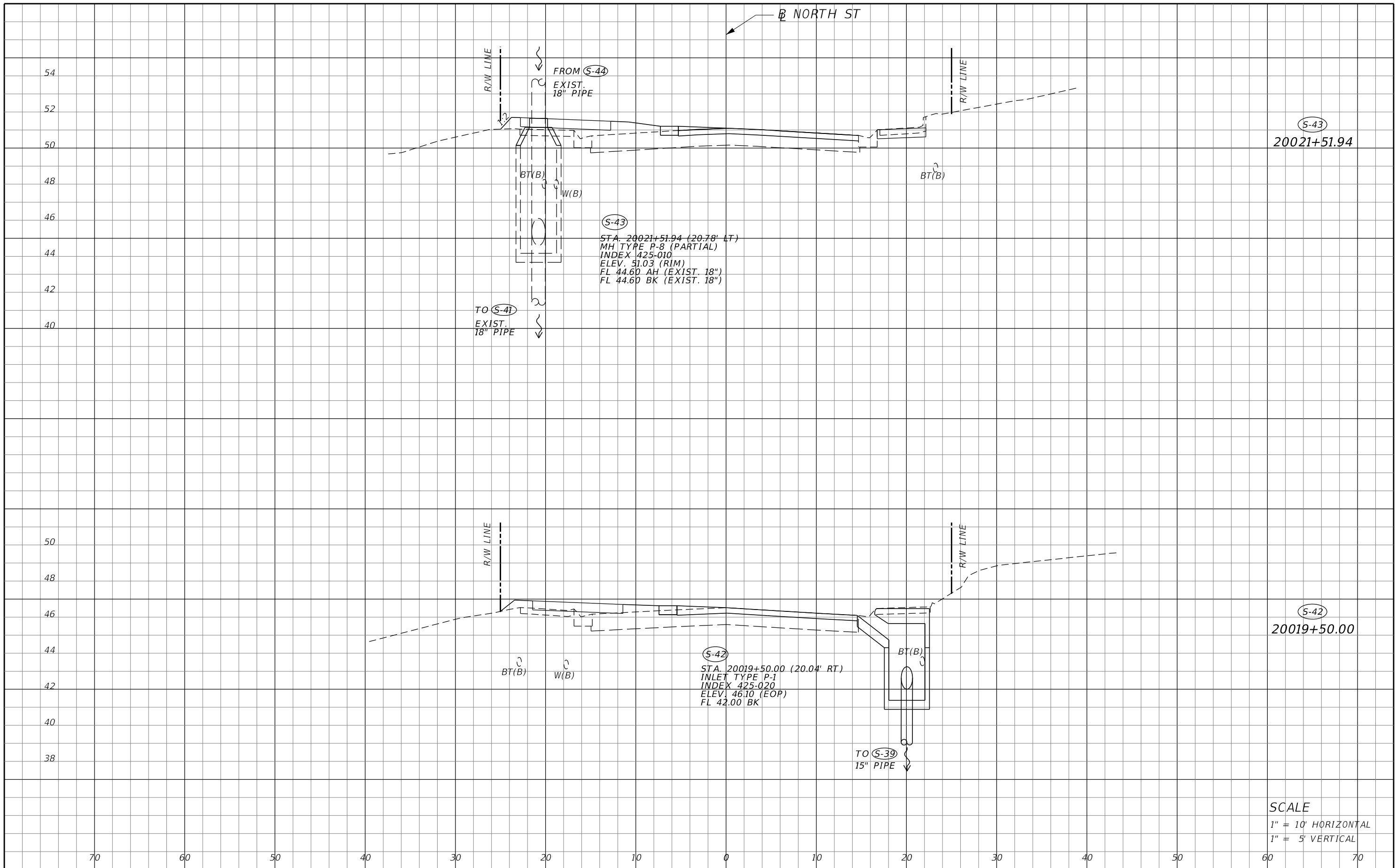


SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
ROAD COUNTY CIP No.
RAYMOND AVE., NORTH
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DRAINAGE STRUCTURES

SHEET NO.
102

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(S-43)
 STA. 20021+51.94 (20.78' LT)
 MH TYPE P-8 (PARTIAL)
 INDEX 425-010
 ELEV. 51.03 (RIM)
 FL 44.60 AH (EXIST. 18")
 FL 44.60 BK (EXIST. 18")

(S-42)
 STA. 20019+50.00 (20.04' RT)
 INLET TYPE P-1
 INDEX 425-020
 ELEV. 46.10 (EOP)
 FL 42.00 BK


(S-43)
 20021+51.94

(S-42)
 20019+50.00

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 315 E. ROBINSON ST.
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 ORLANDO, FL 32801
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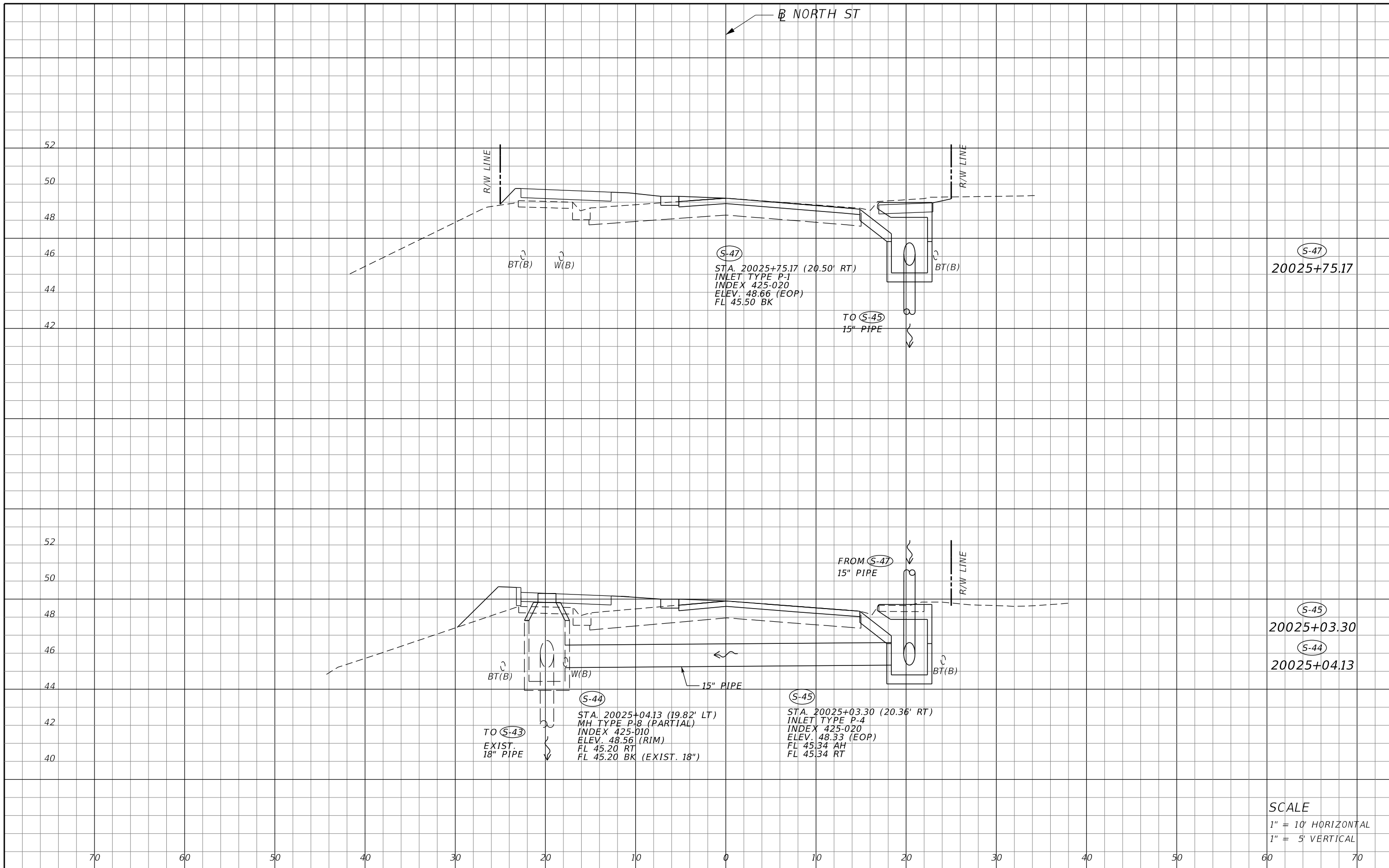


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
 103


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SCALE
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 1" = 5' VERTICAL

REVISIONS			
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 315 E. ROBINSON ST.
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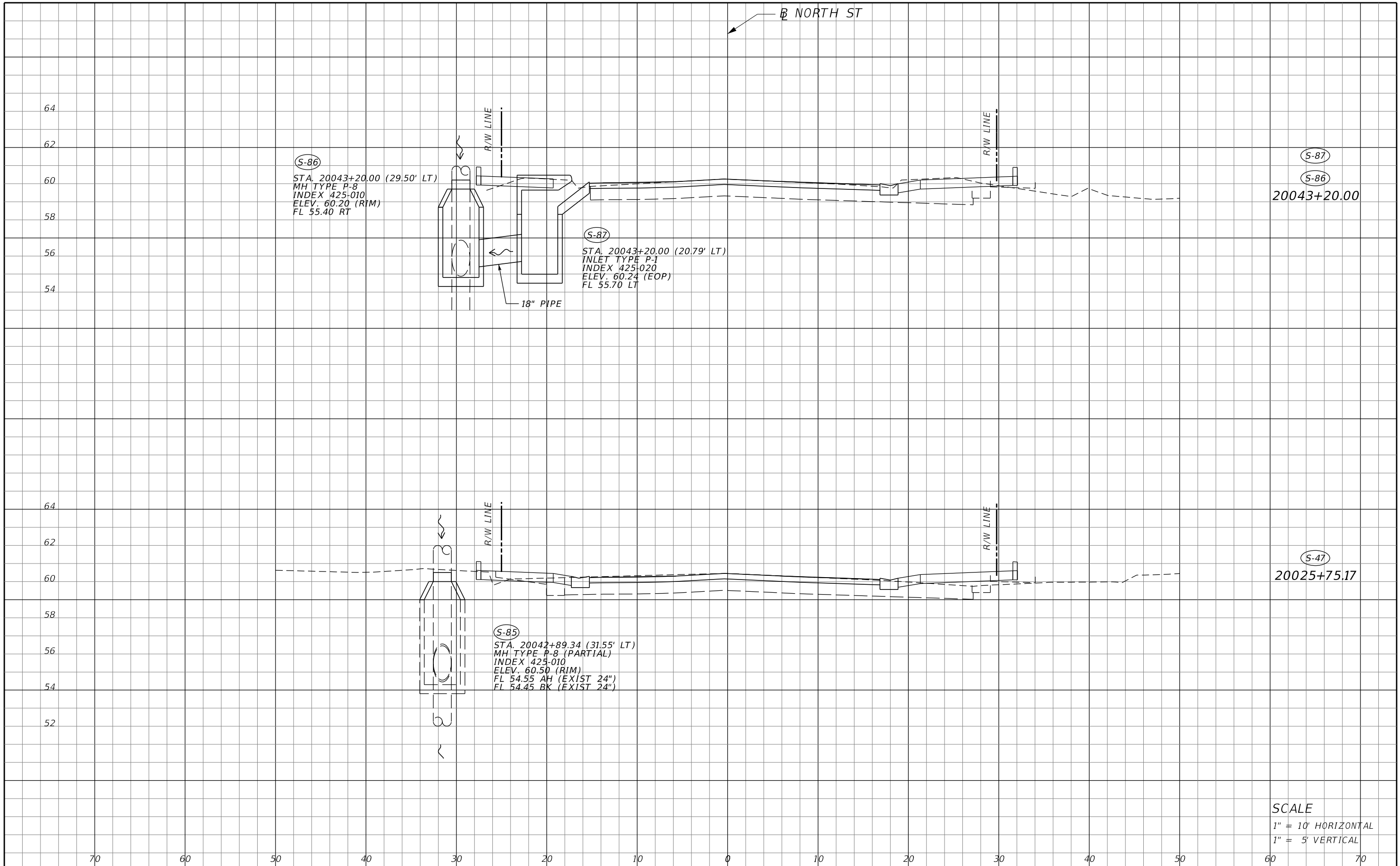
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
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DRAINAGE STRUCTURES

SHEET NO.
 104

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B NORTH ST



(S-86)
 STA. 20043+20.00 (29.50' LT)
 MH TYPE P-8
 INDEX 425-010
 ELEV. 60.20 (RIM)
 FL 55.40 RT

(S-87)
 STA. 20043+20.00 (20.79' LT)
 INLET TYPE P-1
 INDEX 425-020
 ELEV. 60.24 (EOP)
 FL 55.70 LT

18" PIPE

(S-87)
 (S-86)
 20043+20.00


(S-85)
 STA. 20042+89.34 (31.55' LT)
 MH TYPE P-8 (PARTIAL)
 INDEX 425-010
 ELEV. 60.50 (RIM)
 FL 54.55 AH (EXIST 24")
 FL 54.45 BK (EXIST 24")

(S-47)
 20025+75.17

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
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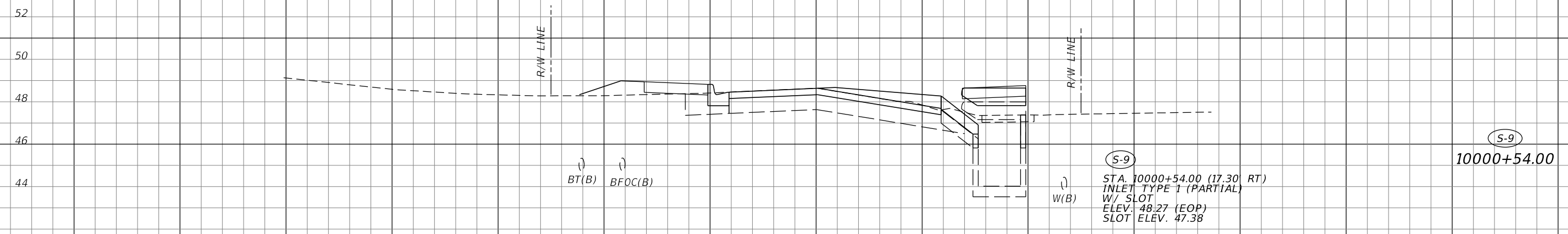
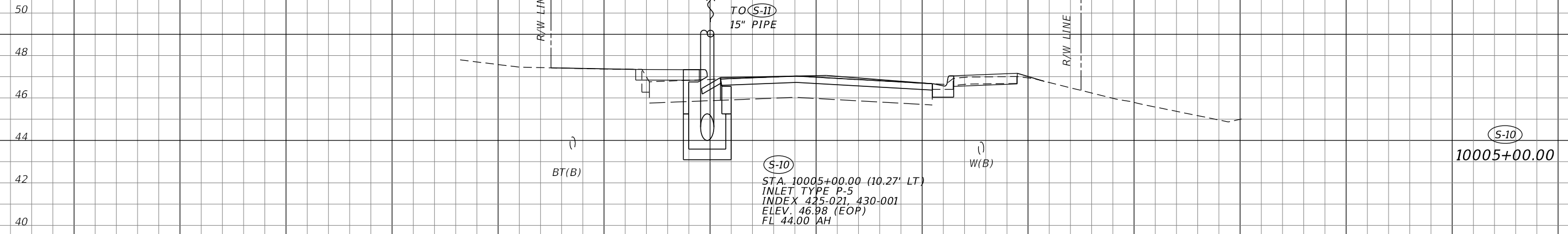
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
 105

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RAYMOND AVE



SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

REVISIONS			
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SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
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SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
ROAD COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

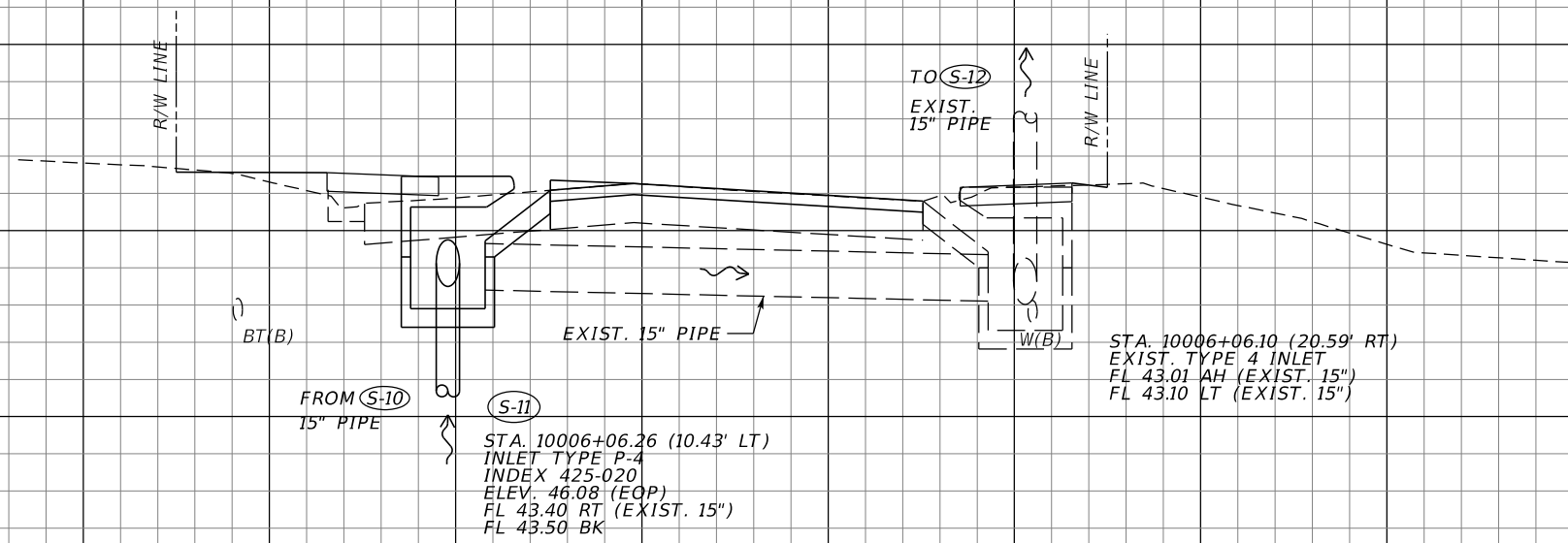
DRAINAGE STRUCTURES

SHEET NO.
106

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RAYMOND AVE

50
48
46
44
42
40
38



(S-11)
10006+06.26

STA. 10006+06.10 (20.59' RT)
EXIST. TYPE 4 INLET
FL 43.01 AH (EXIST. 15")
FL 43.10 LT (EXIST. 15")

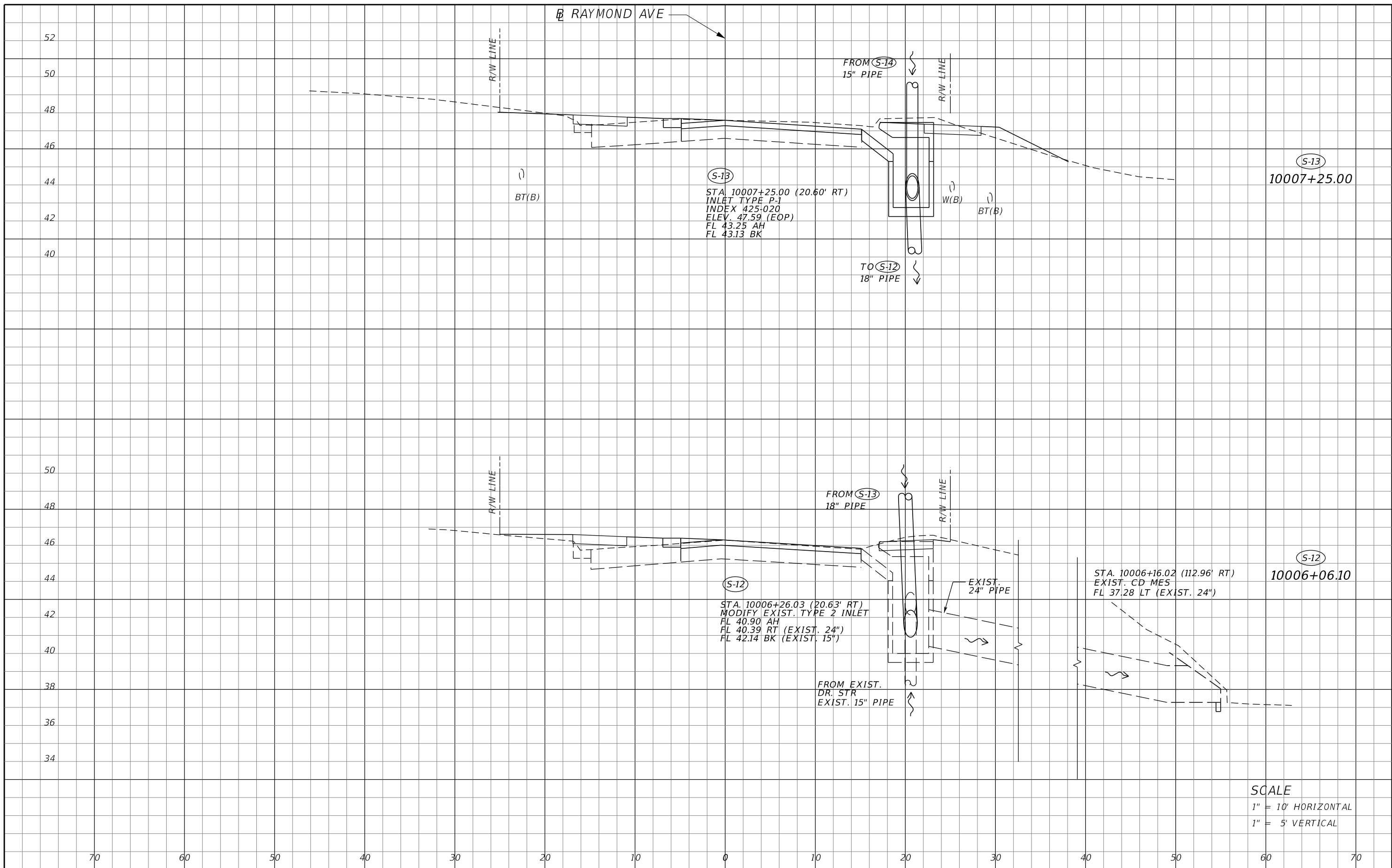
(S-11)
STA. 10006+06.26 (10.43' LT)
INLET TYPE P-4
INDEX 425-020
ELEV. 46.08' (EOP)
FL 43.40 RT (EXIST. 15")
FL 43.50 BK

SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

REVISIONS				RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		DRAINAGE STRUCTURES	SHEET NO. 107
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH	01907084		
					ST., PALM SPRINGS DR.			

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SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



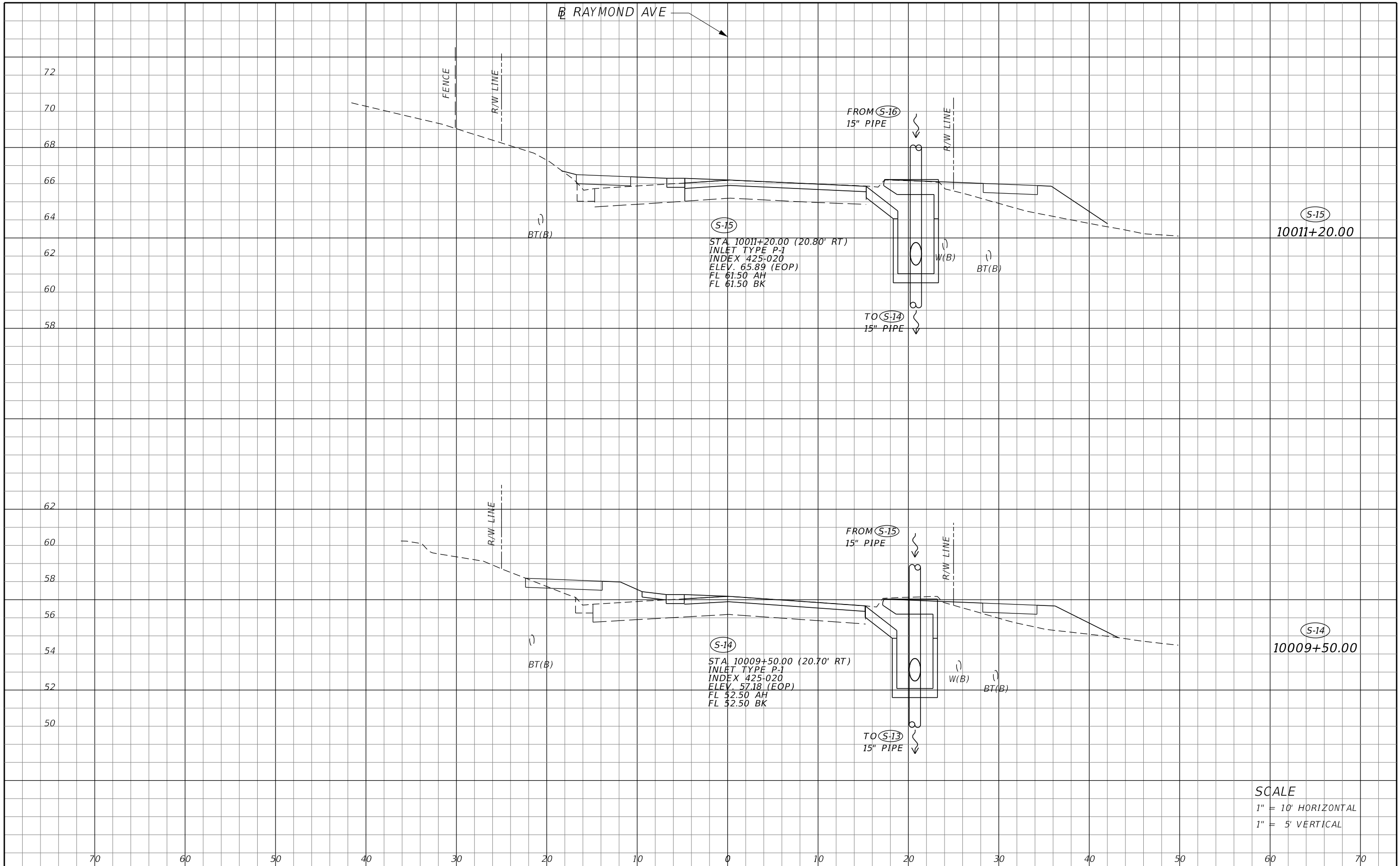
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
 108

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B RAYMOND AVE



SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
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 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



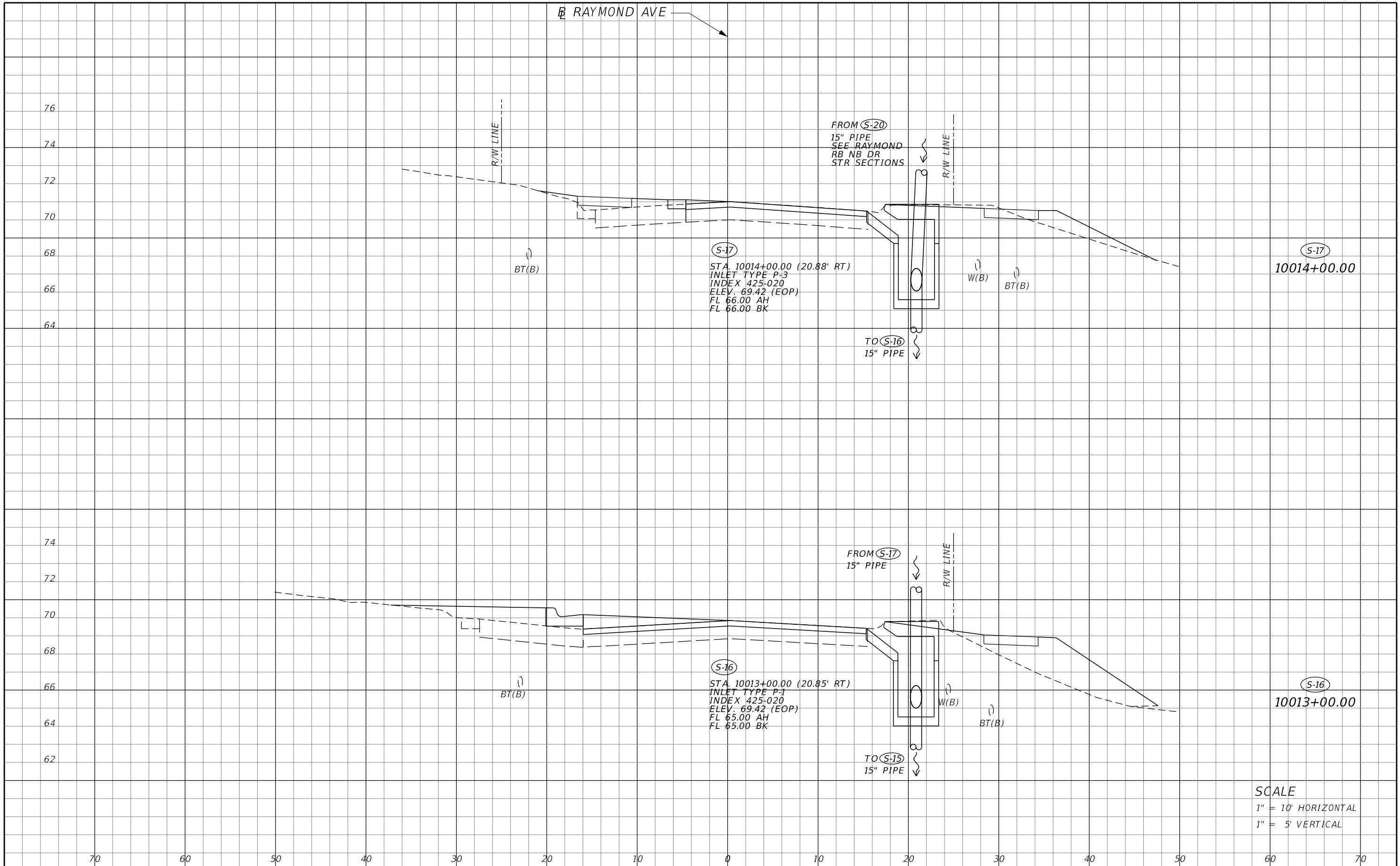
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
 109

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RAYMOND AVE



(S-17)
 STA. 10014+00.00 (20.88' RT)
 INLET TYPE P-3
 INDEX 425-020
 ELEV. 69.42 (EOP)
 FL 66.00 AH
 FL 66.00 BK

(S-17)
 10014+00.00

(S-16)
 STA. 10013+00.00 (20.85' RT)
 INLET TYPE P-1
 INDEX 425-020
 ELEV. 69.42 (EOP)
 FL 65.00 AH
 FL 65.00 BK

(S-16)
 10013+00.00

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
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 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



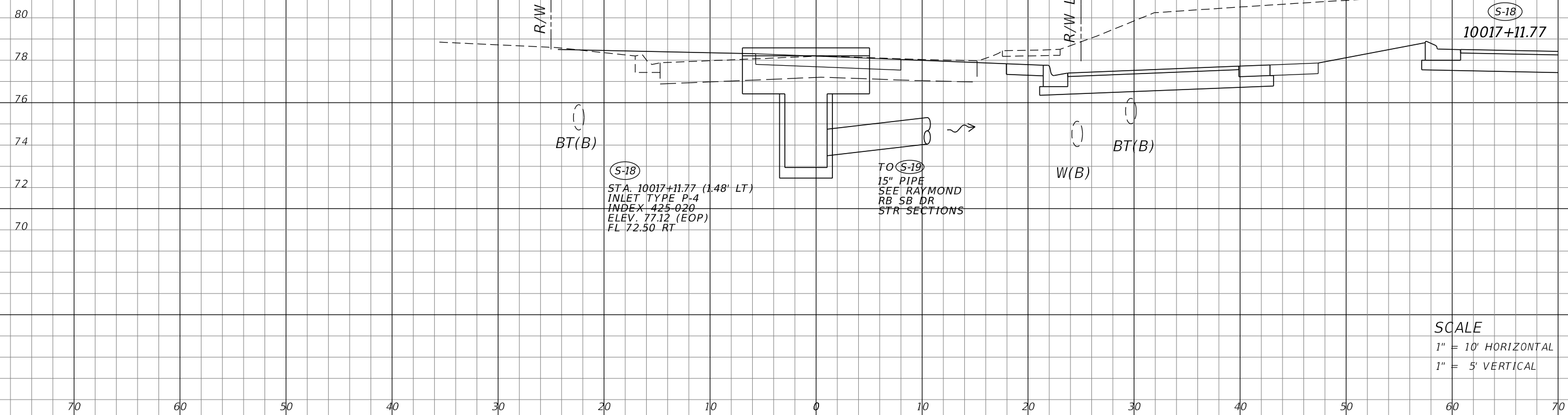
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
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DRAINAGE STRUCTURES

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 110

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RAYMOND AVE



(S-18)
 STA. 10017+11.77 (1.48' LT)
 INLET TYPE P-4
 INDEX 425-020
 ELEV. 77.12 (EOP)
 FL 72.50 RT

TO (S-19)
 15" PIPE
 SEE RAYMOND
 RB SB DR
 STR SECTIONS

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
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 315 E. ROBINSON ST.
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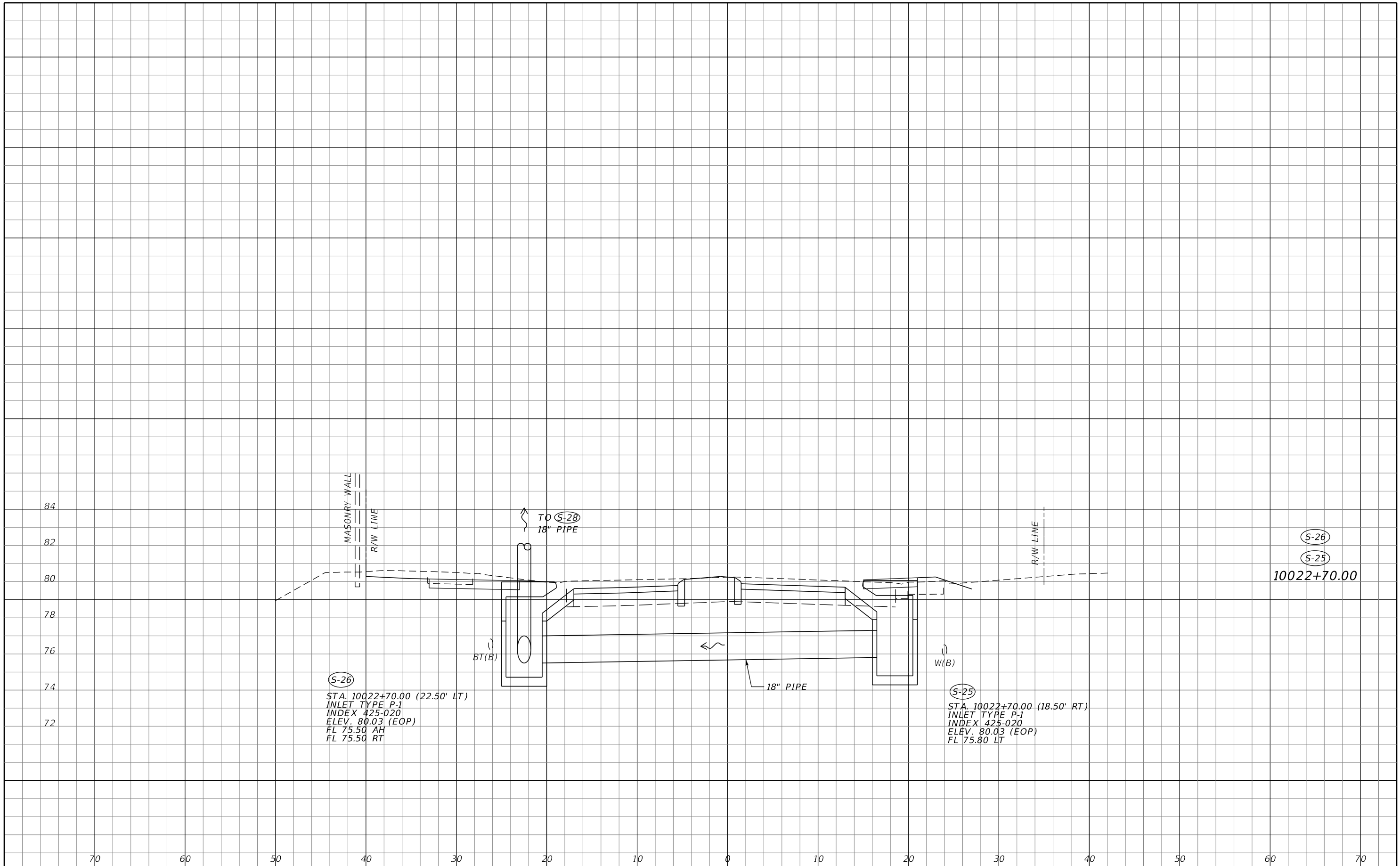


SEMINOLE COUNTY
 ENGINEERING DIVISION
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DRAINAGE STRUCTURES

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 111

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

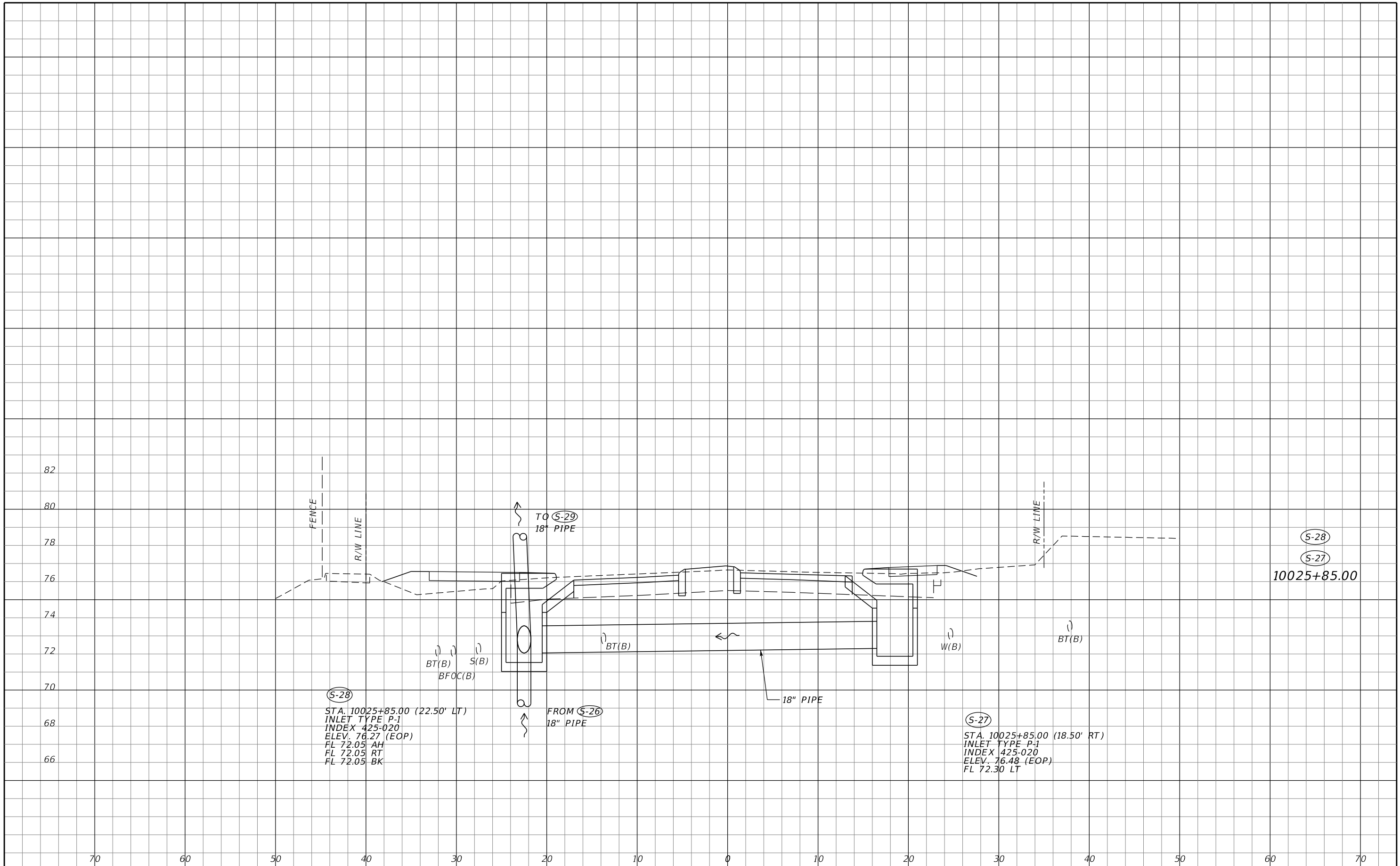
RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
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 ORLANDO, FL 32801
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SEMINOLE COUNTY
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DRAINAGE STRUCTURES

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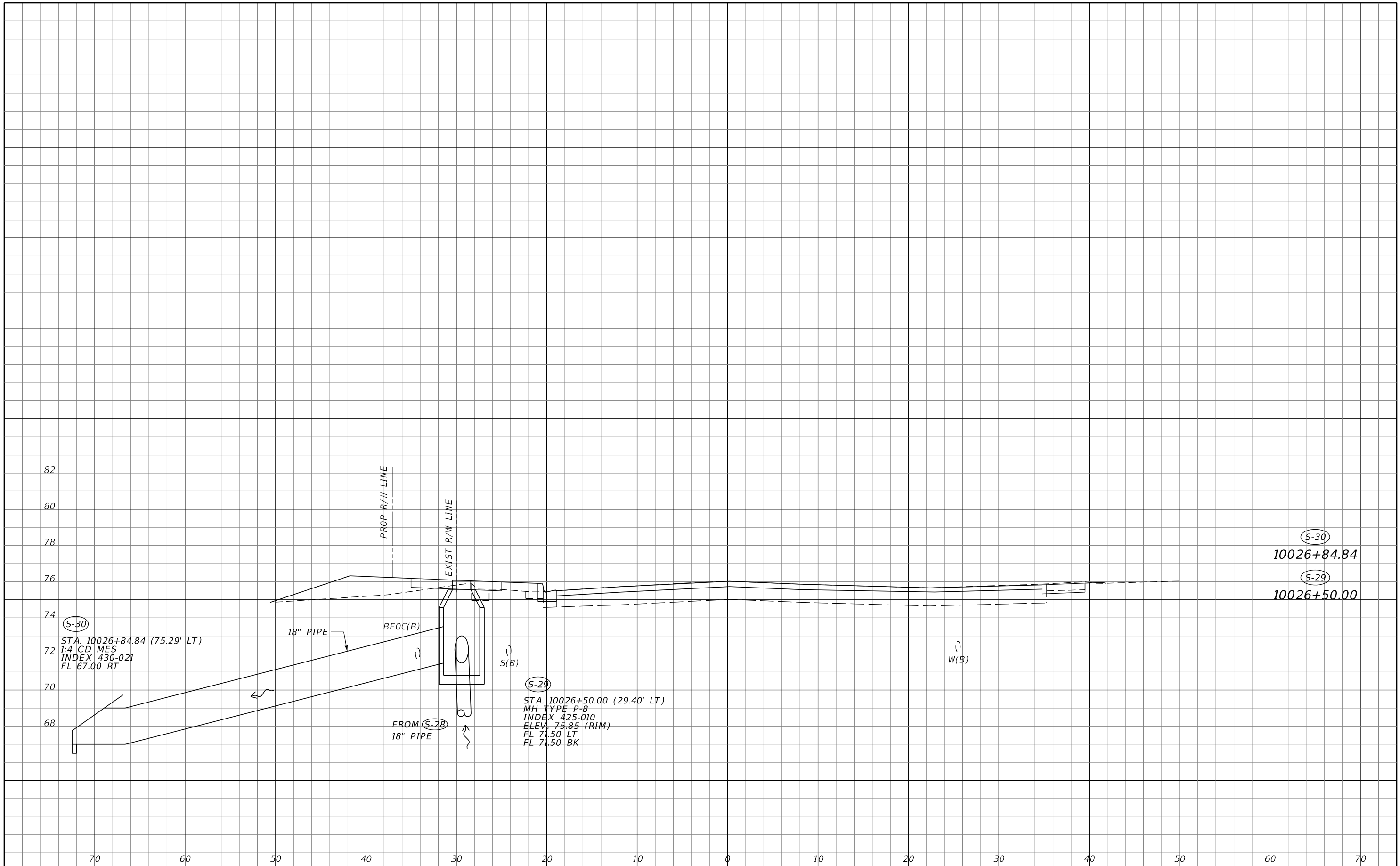


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
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 RAYMOND AVE., NORTH
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DRAINAGE STRUCTURES


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 113

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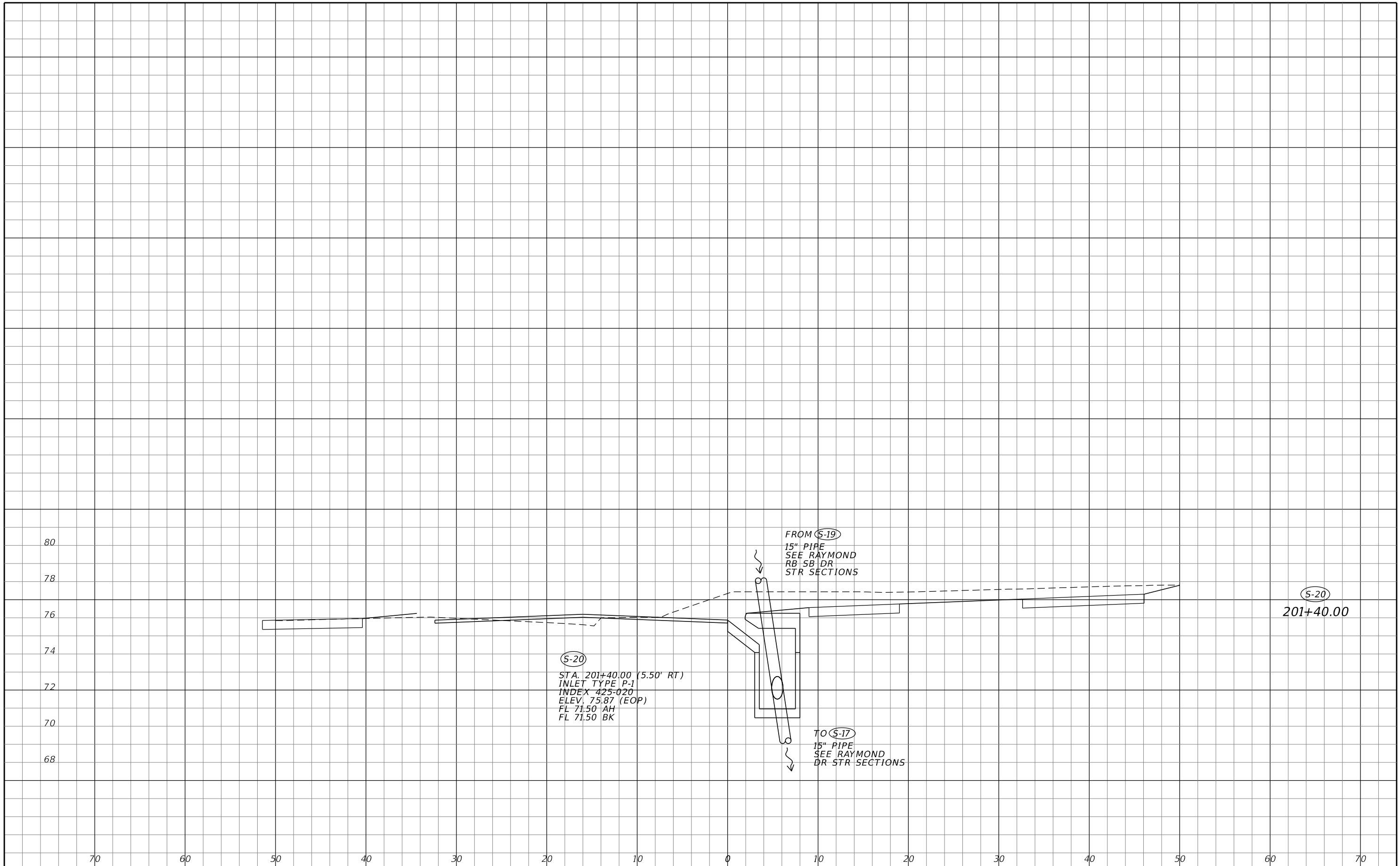


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
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DRAINAGE STRUCTURES

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 114

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(S-20)
 STA. 201+40.00 (5.50' RT)
 INLET TYPE P-1
 INDEX 425-020
 ELEV. 75.87 (EOP)
 FL 71.50 AH
 FL 71.50 BK


FROM (S-19)
 15" PIPE
 SEE RAYMOND
 RB SB DR
 STR SECTIONS

TO (S-17)
 15" PIPE
 SEE RAYMOND
 DR STR SECTIONS

(S-20)
 201+40.00

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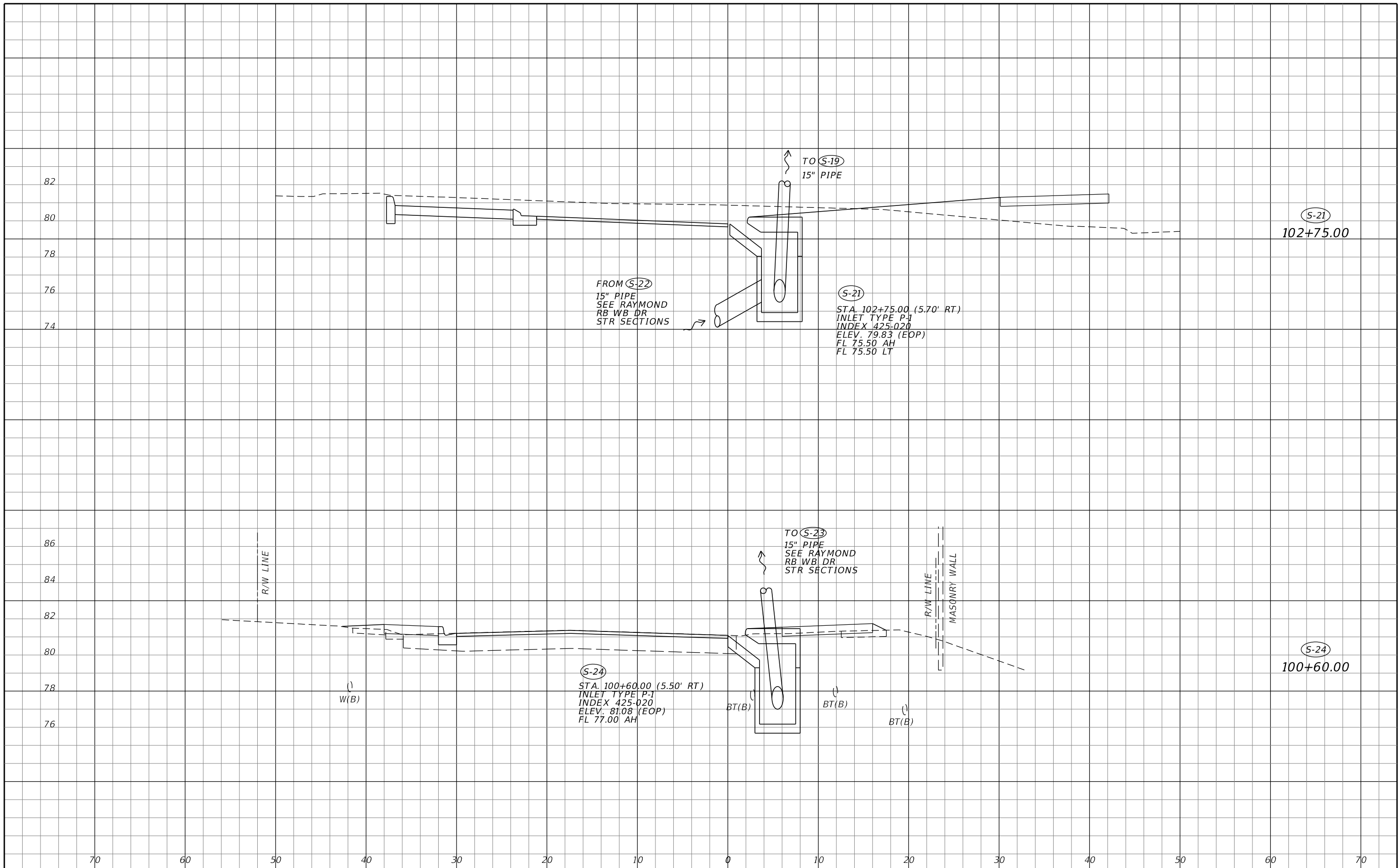


SEMINOLE COUNTY
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DRAINAGE STRUCTURES

SHEET NO.
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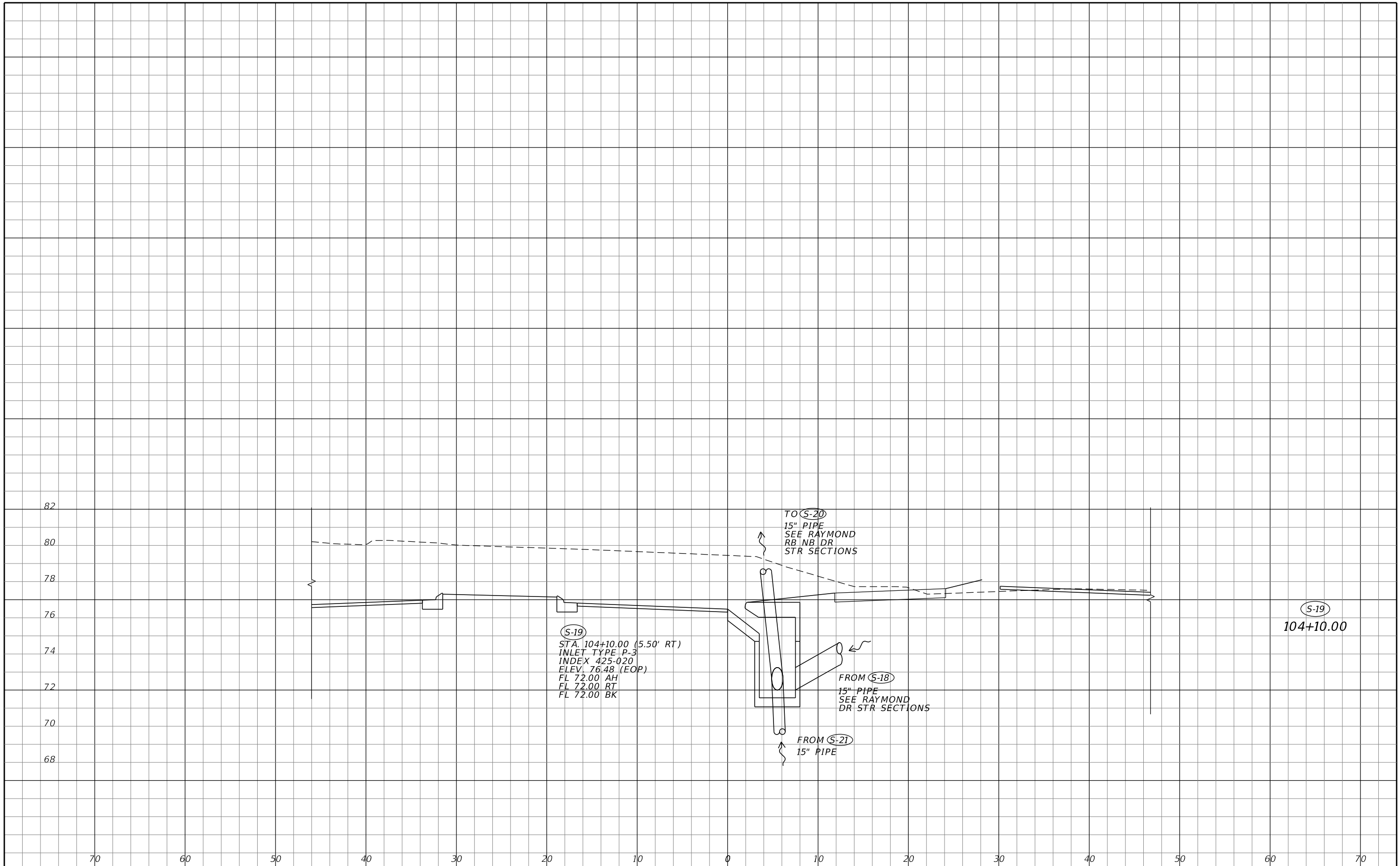


SEMINOLE COUNTY
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DRAINAGE STRUCTURES

SHEET NO.
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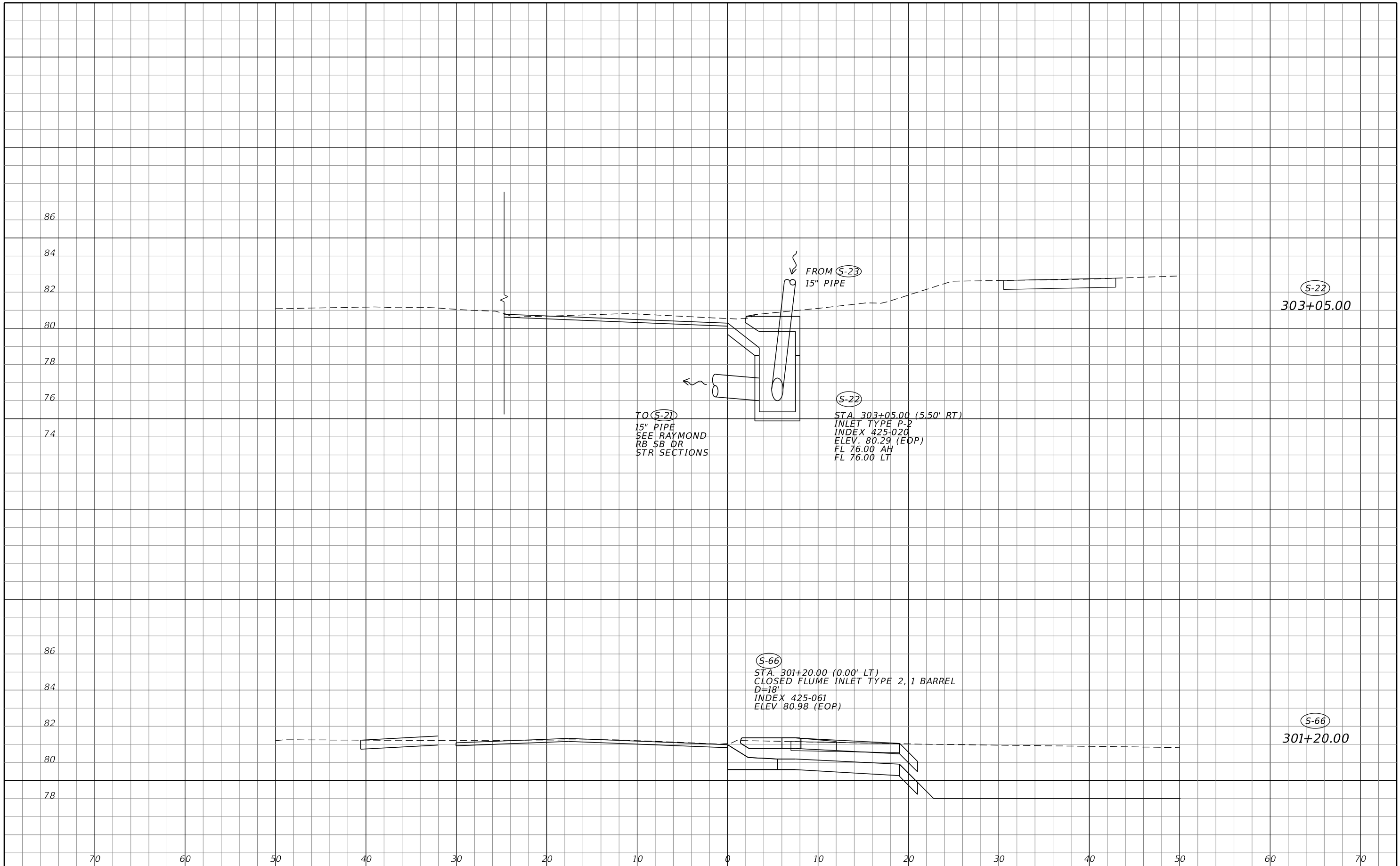


SEMINOLE COUNTY
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 ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
 117

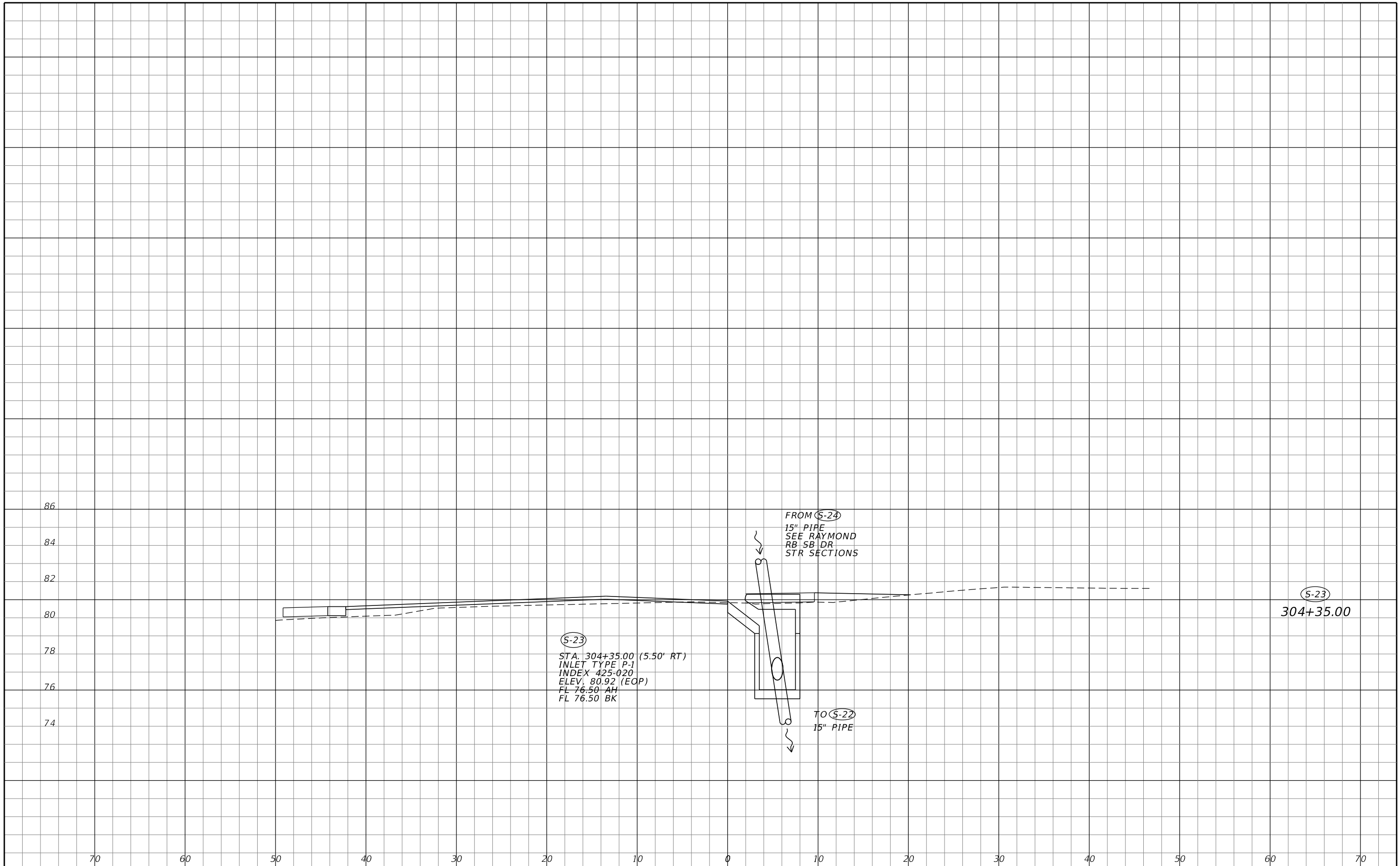
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242		SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1 ROAD COUNTY CIP No. RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084		DRAINAGE STRUCTURES		SHEET NO. 118
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REVISIONS		DATE		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION		

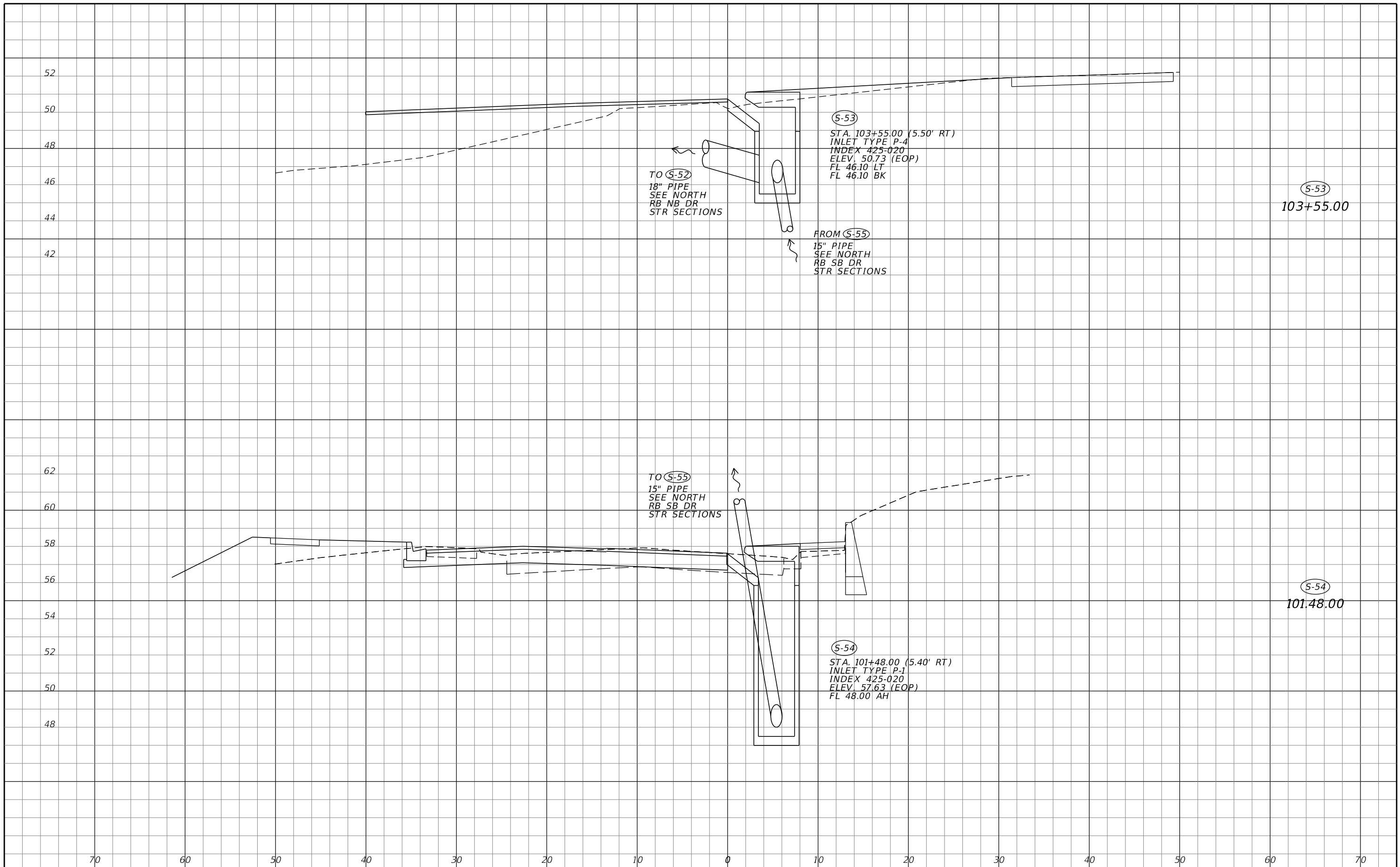
RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
 119

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REVISIONS		DATE		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION		

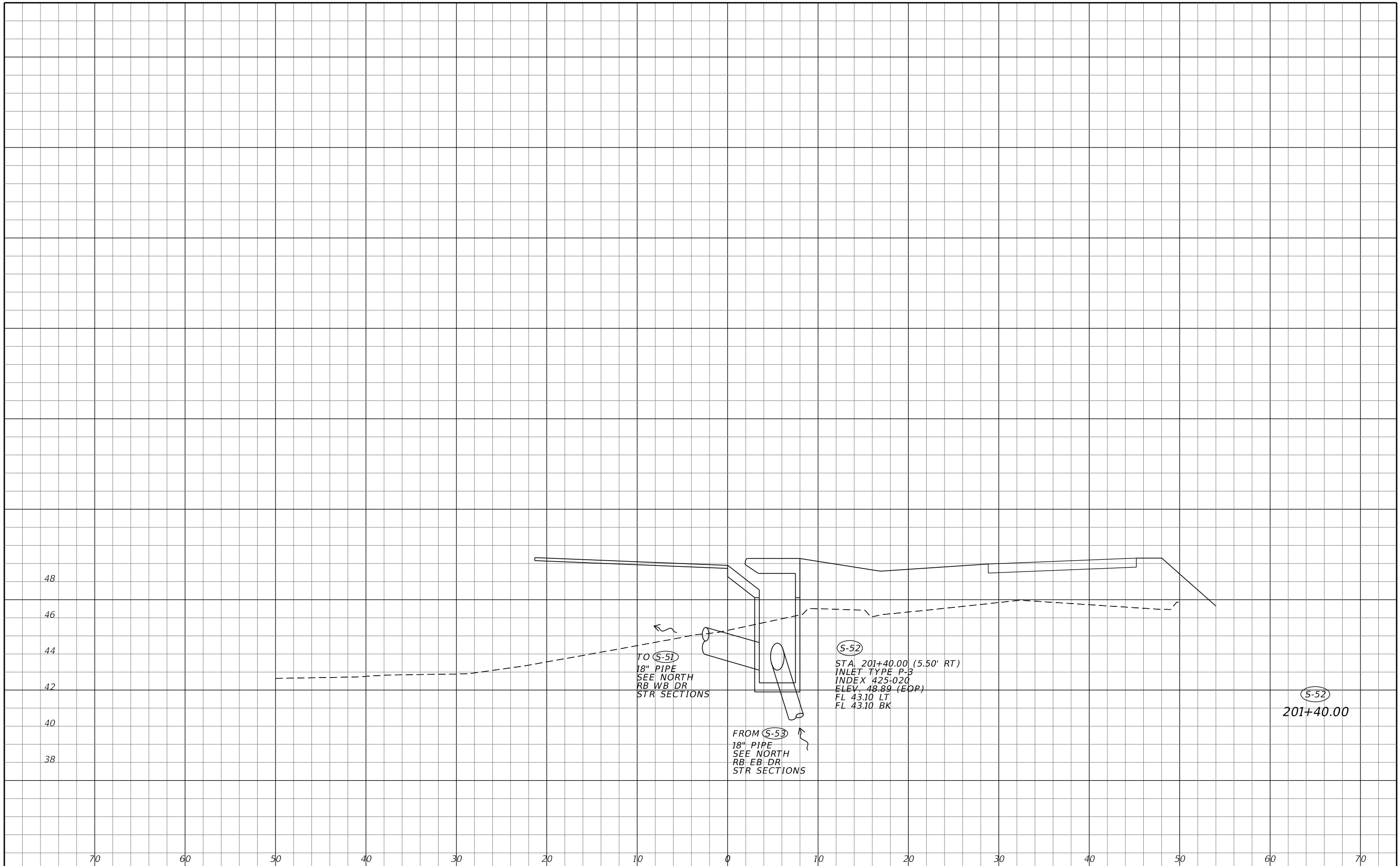
RICARDO A. CINTRON, P.E. LICENSE NO. 76423
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 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
120

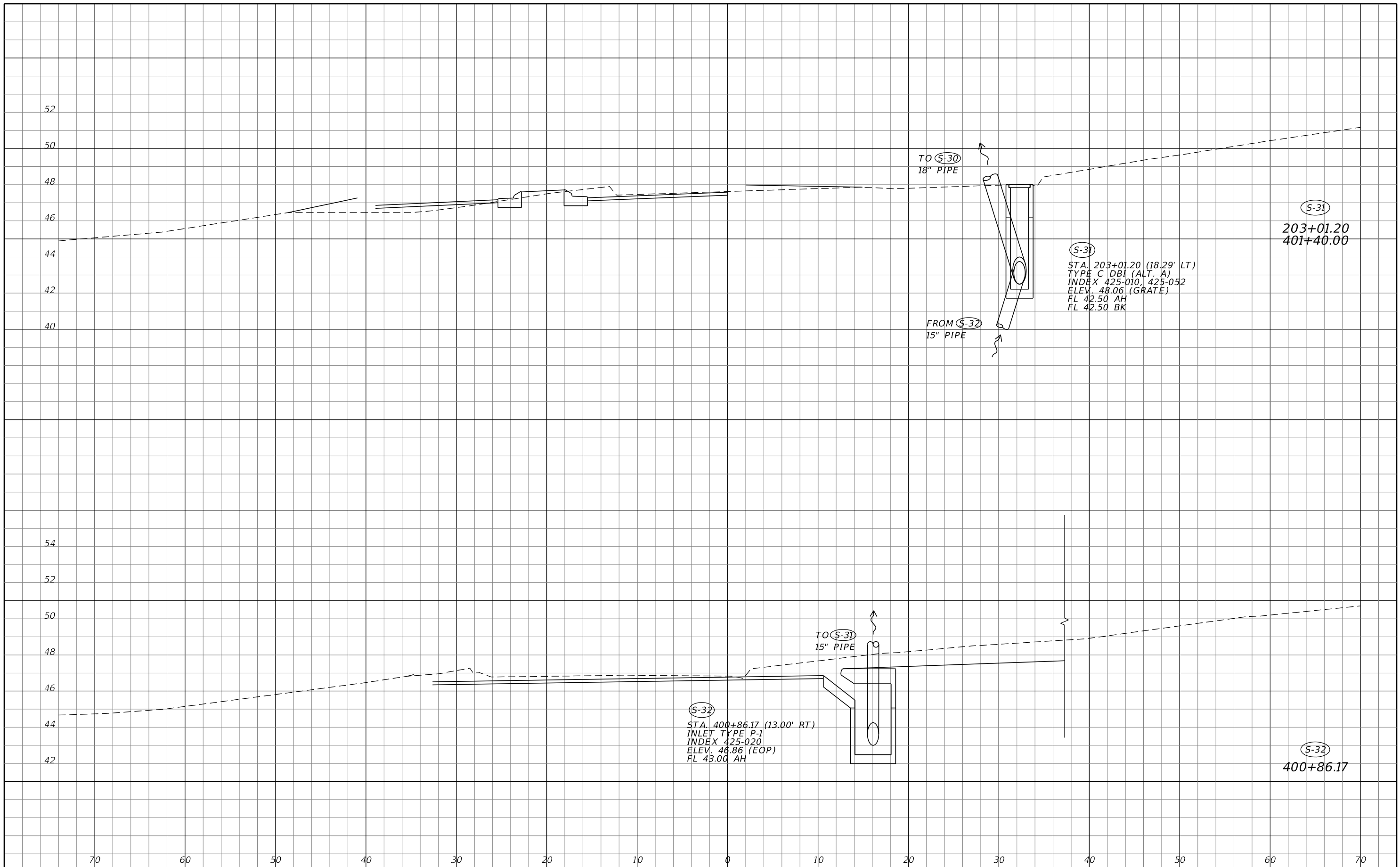
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REVISIONS		DATE		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION		

HR RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1 ROAD COUNTY CIP No. RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084	DRAINAGE STRUCTURES	SHEET NO. 121
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(S-31)
 STA. 203+01.20 (18.29' LT)
 TYPE C DBI (ALT. A)
 INDEX 425-010, 425-052
 ELEV. 48.06 (GRATE)
 FL 42.50 AH
 FL 42.50 BK

(S-31)
 203+01.20
 401+40.00

(S-32)
 STA. 400+86.17 (13.00' RT)
 INLET TYPE P-1
 INDEX 425-020
 ELEV. 46.86 (EOP)
 FL 43.00 AH

(S-32)
 400+86.17

DRAINAGE STRUCTURES

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

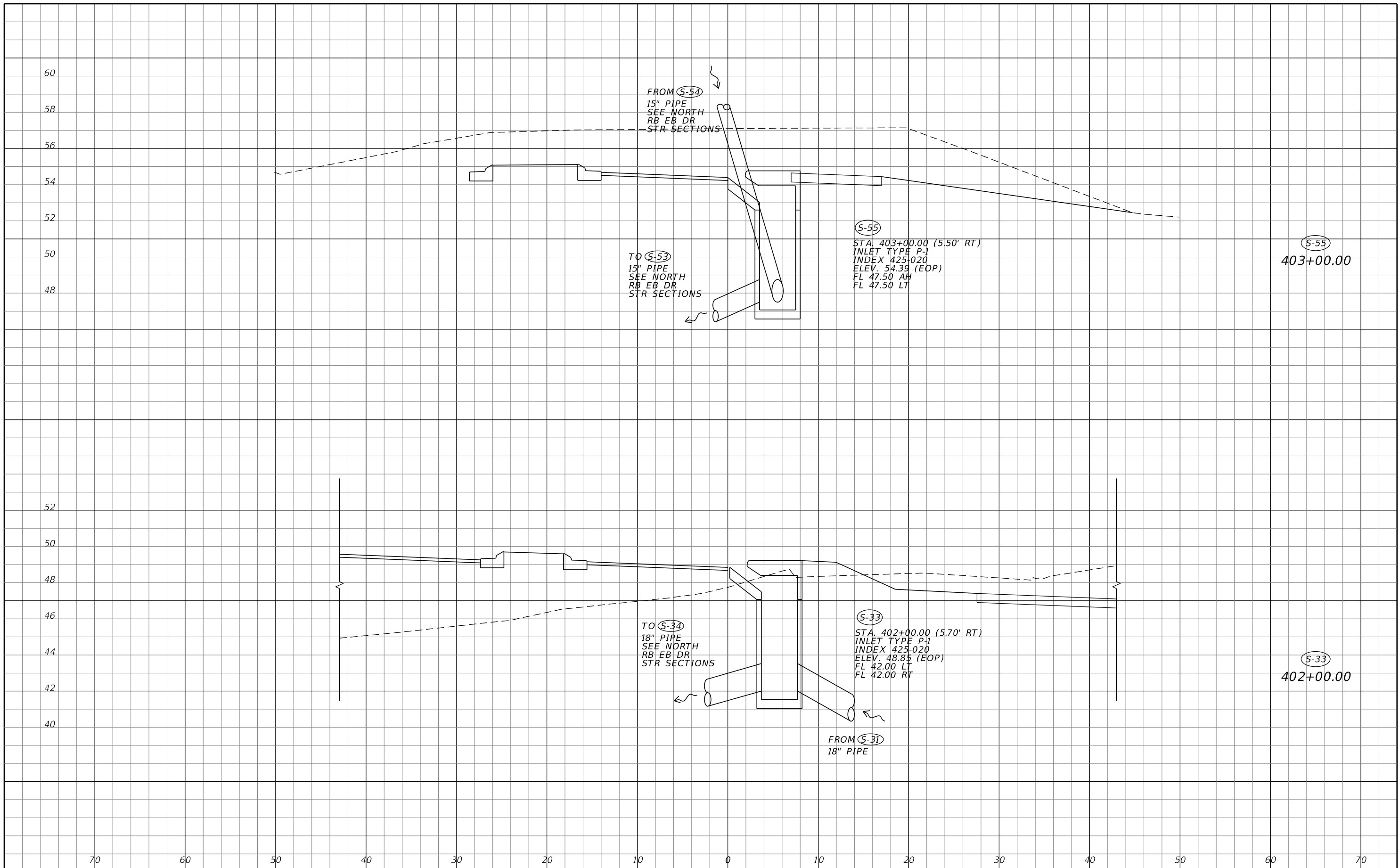
RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

SHEET NO.
 122

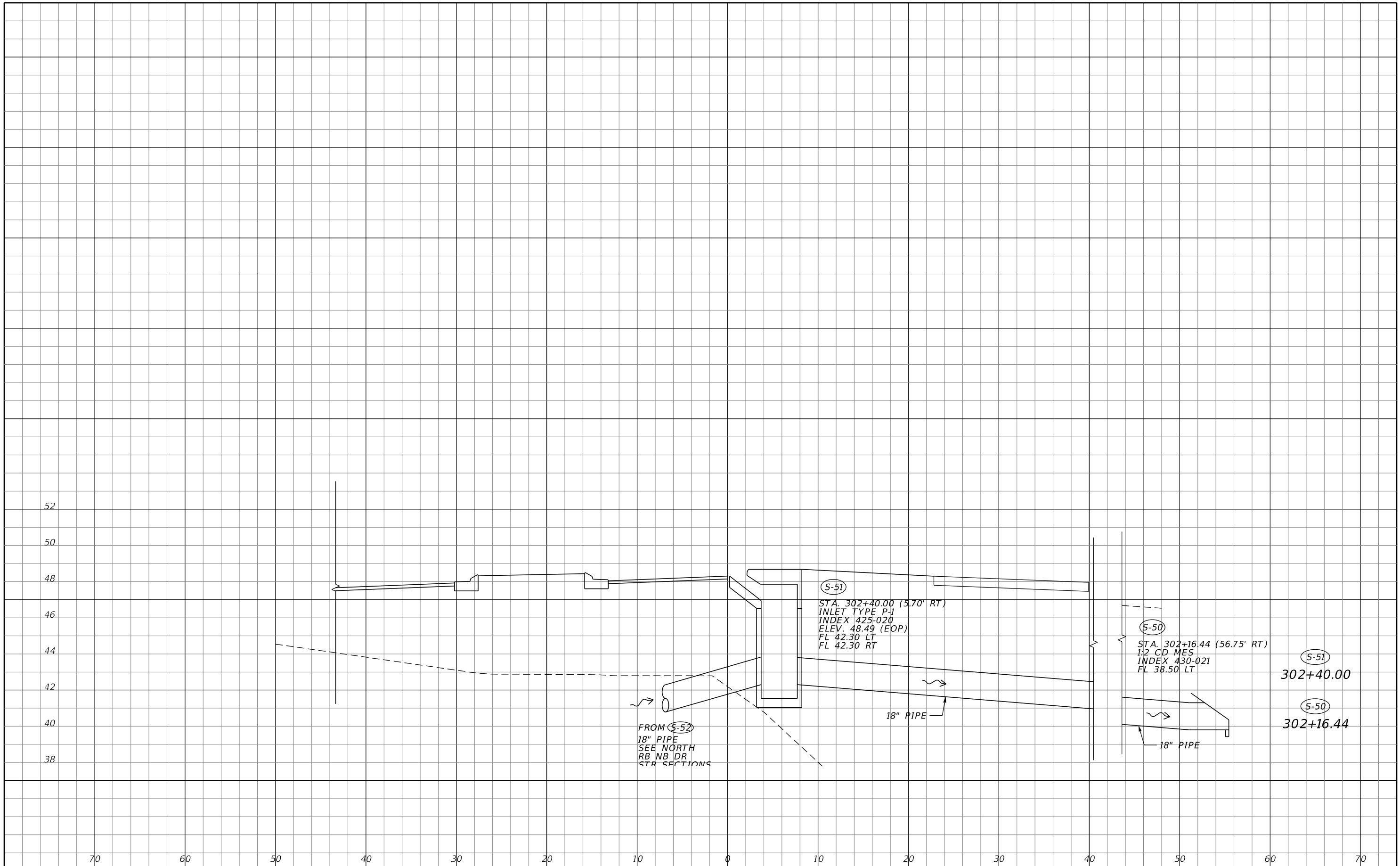
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242		SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1 ROAD COUNTY CIP No. RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084		DRAINAGE STRUCTURES		SHEET NO. 123
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
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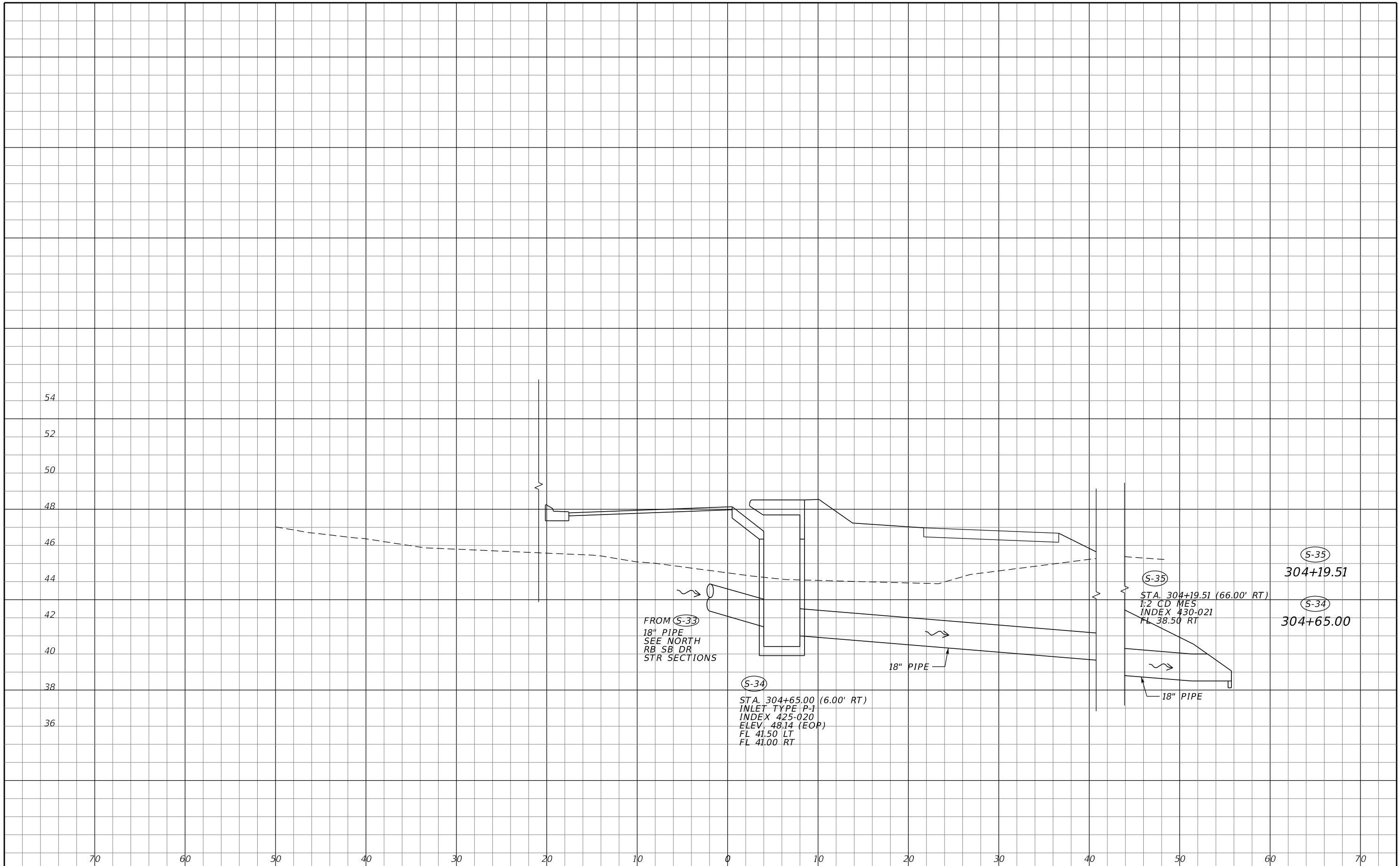


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
 124

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REVISIONS			
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 315 E. ROBINSON ST.
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 ORLANDO, FL 32801
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 FAX 407.420.4242

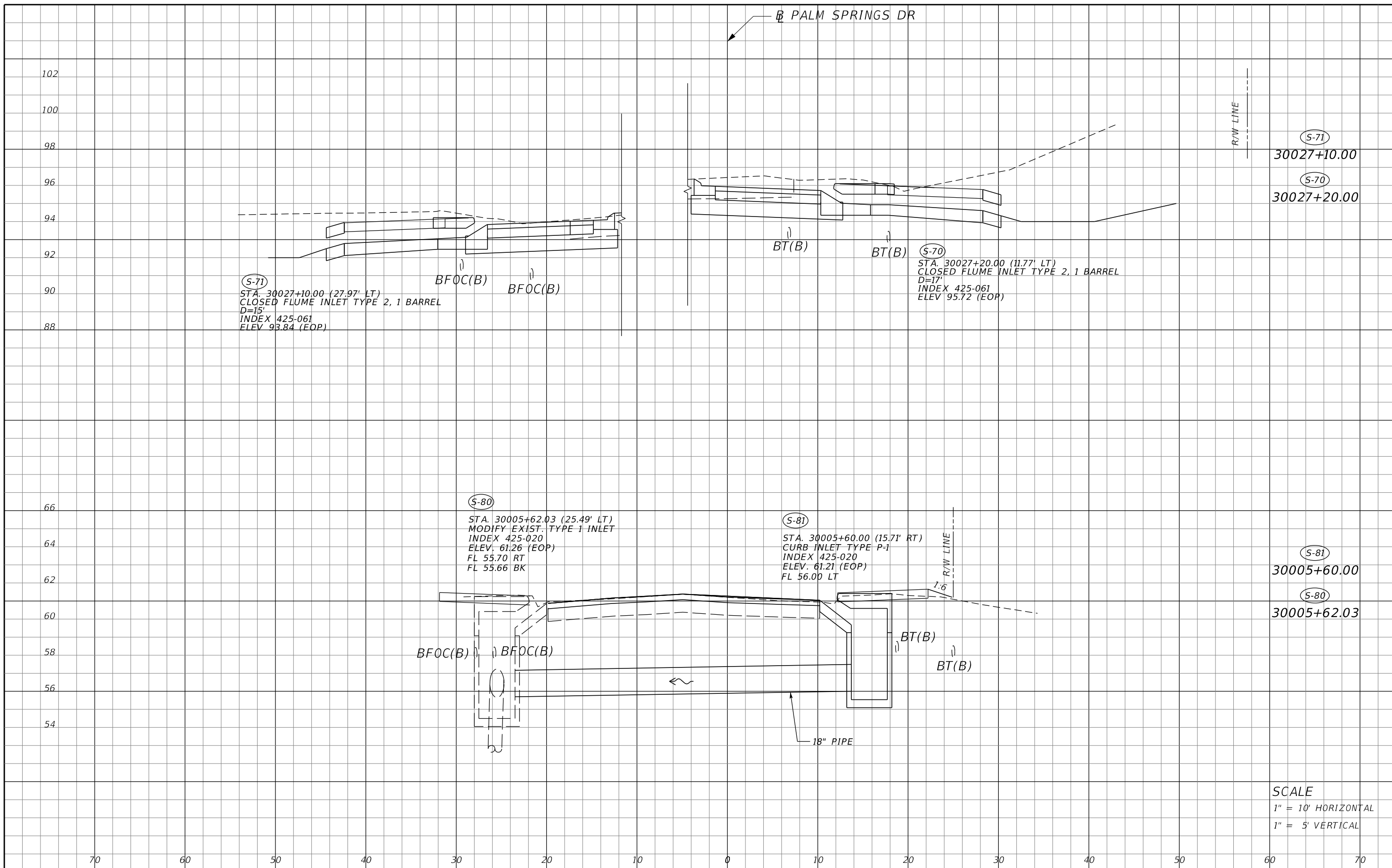


SEMINOLE COUNTY
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 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
 125

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SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

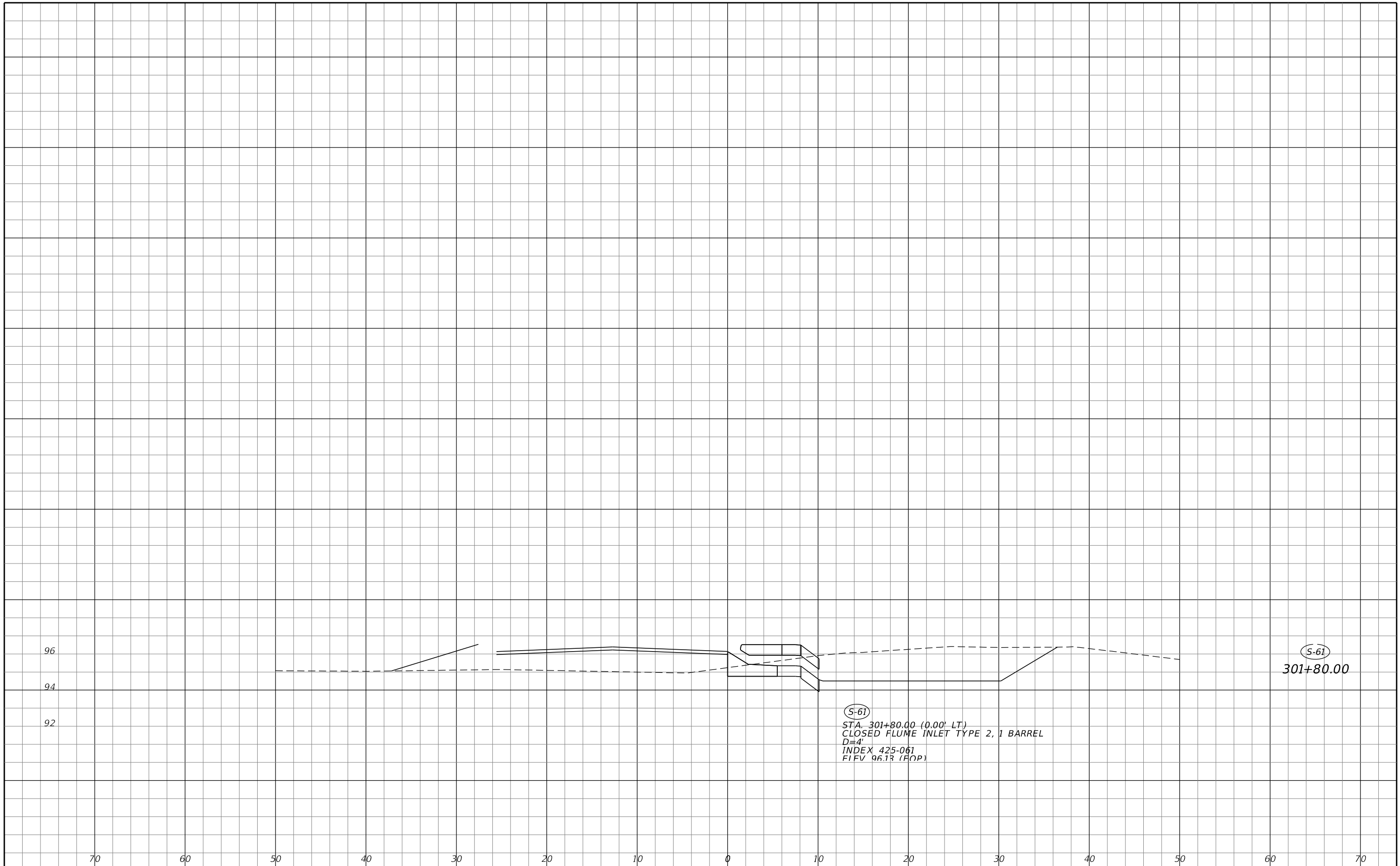



SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

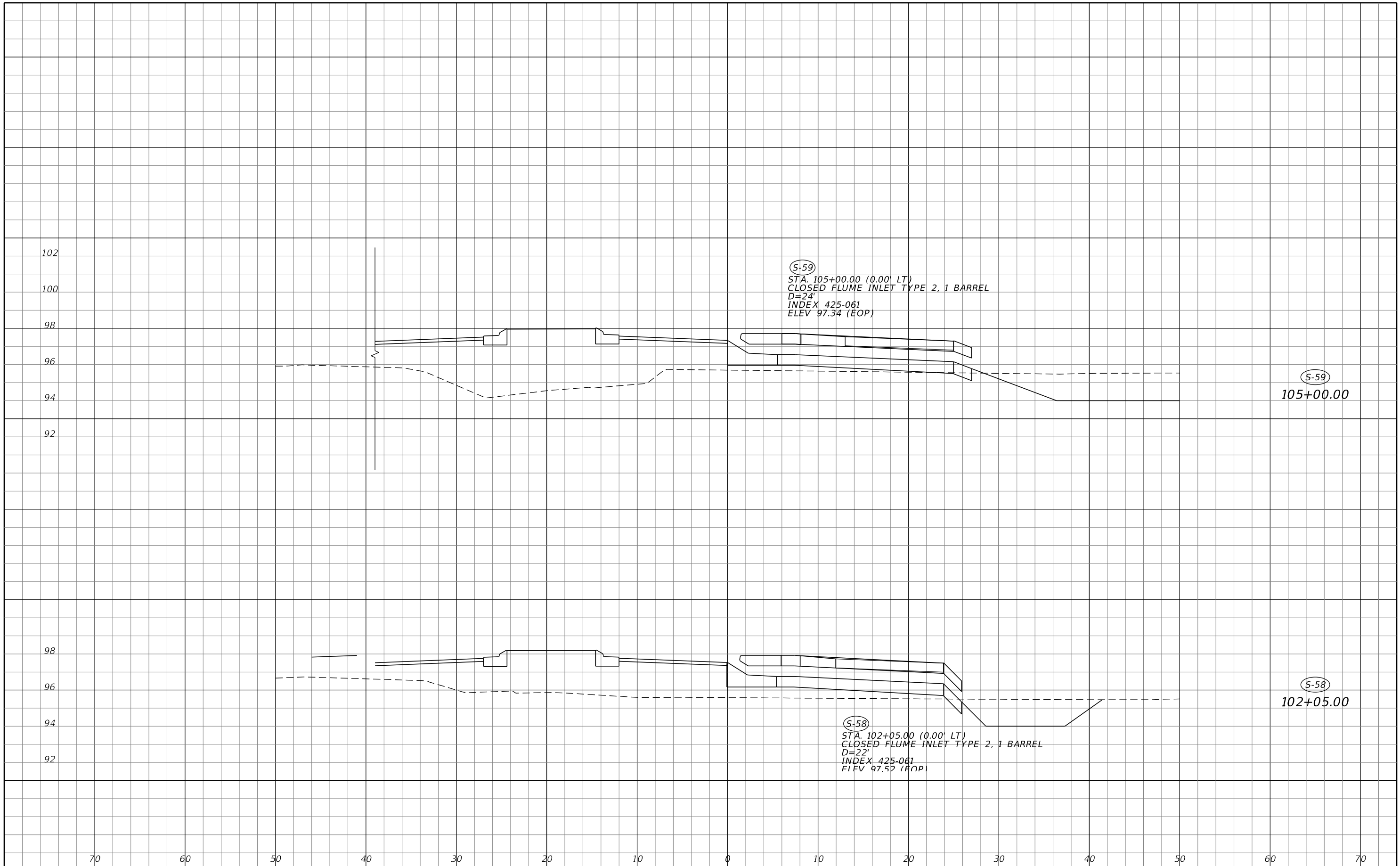
SHEET NO.
 126

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REVISIONS				RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242		SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1 ROAD COUNTY CIP No. RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084		DRAINAGE STRUCTURES		SHEET NO. 127
DATE	DESCRIPTION	DATE	DESCRIPTION							
						SUSERS SDATES STIMES SFILES		DRAINAGE STRUCTURES		SHEET NO. 127

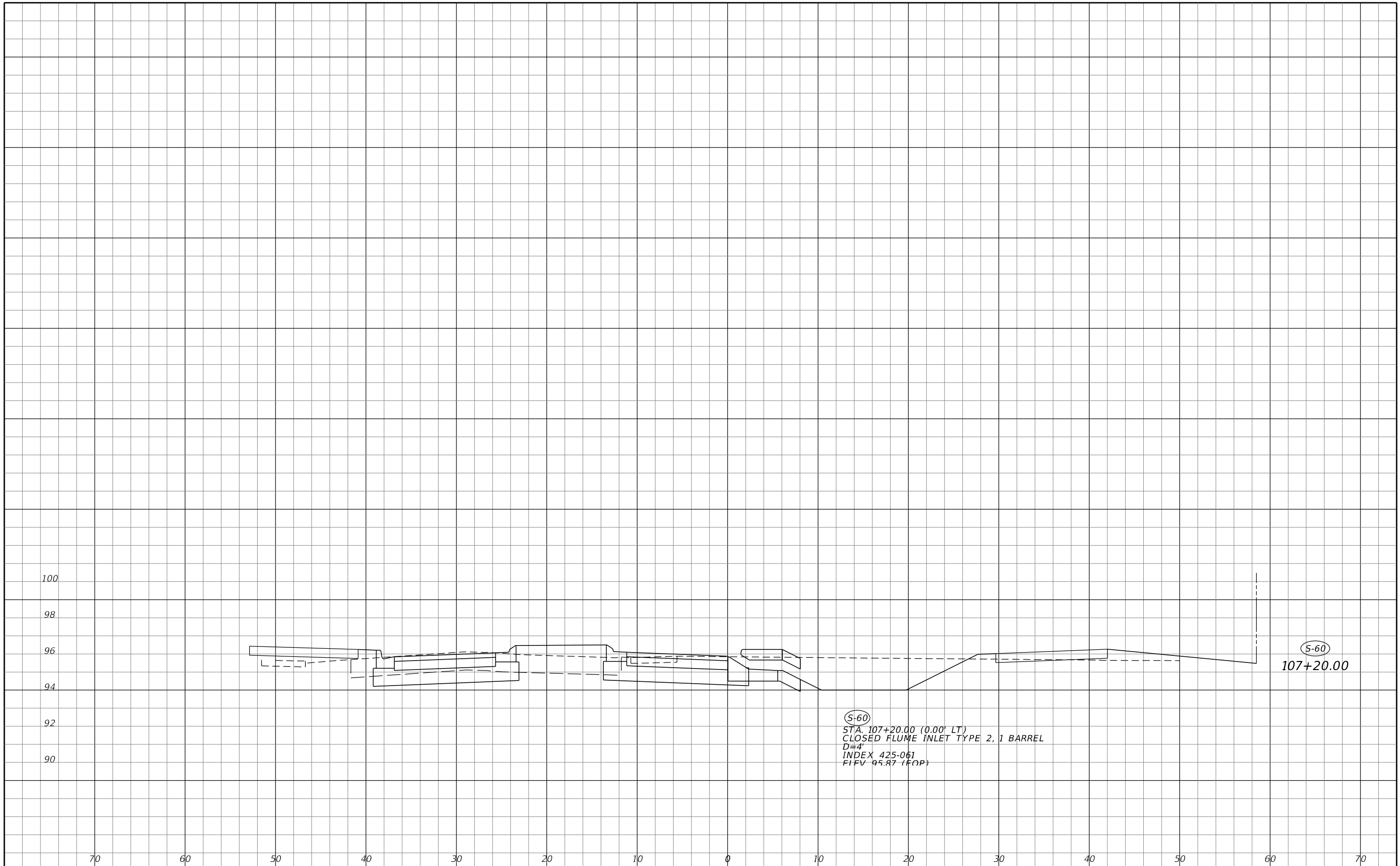
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242		SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1 ROAD COUNTY CIP No. RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084		DRAINAGE STRUCTURES		SHEET NO. 128
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 ORLANDO, FL 32801
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 FAX 407.420.4242

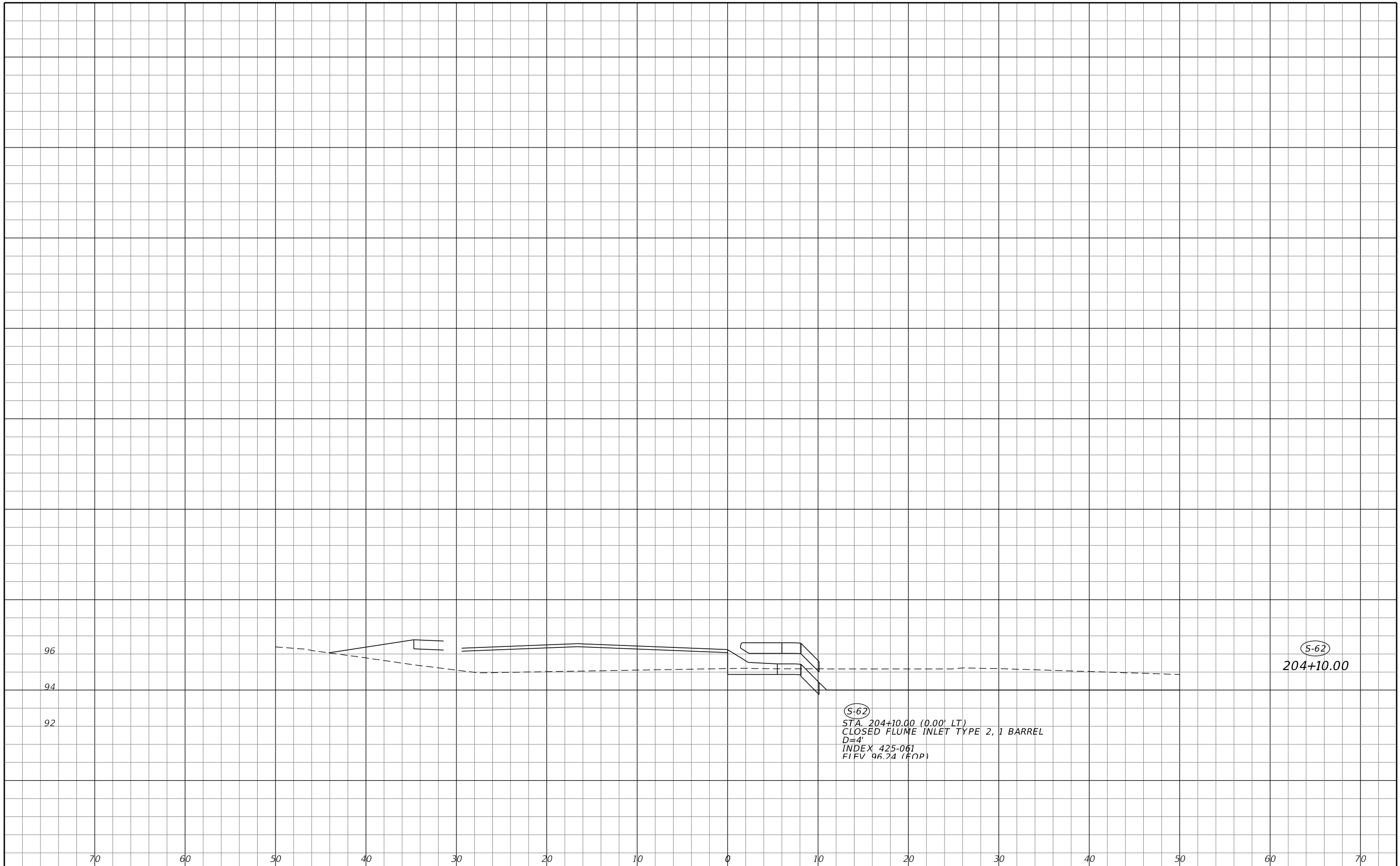


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
 129

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(S-62)
204+10.00

(S-62)
STA. 204+10.00 (0.00' LT)
CLOSED FLUME INLET TYPE 2, 1 BARREL
D=4'
INDEX 425-061
FIFV 96.24 (FOP)

DATE		DESCRIPTION		REVISIONS		DATE		DESCRIPTION	

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
315 E. ROBINSON ST.
SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242

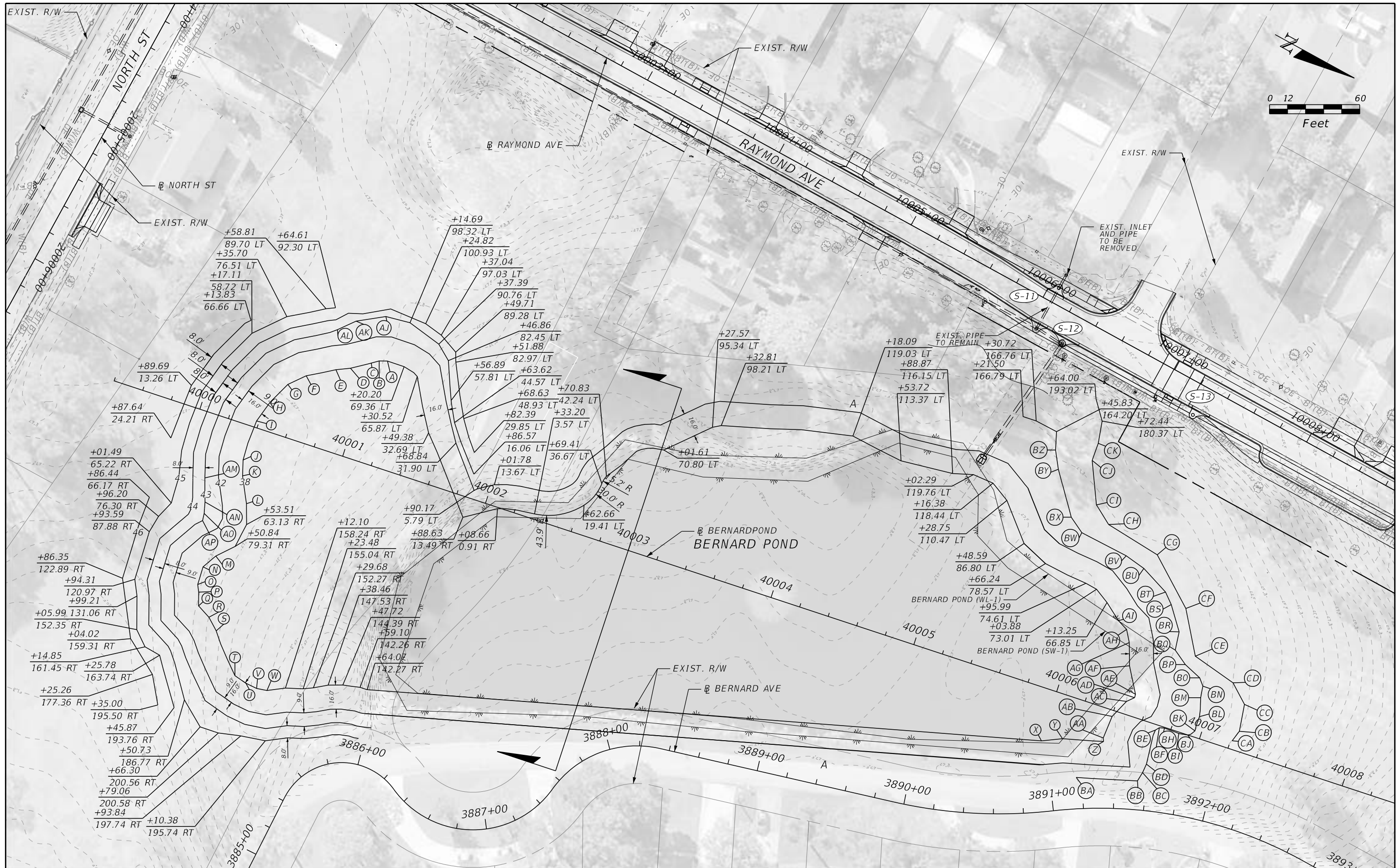


SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
ROAD COUNTY CIP No.
RAYMOND AVE., NORTH
ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
130

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REVISIONS			
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

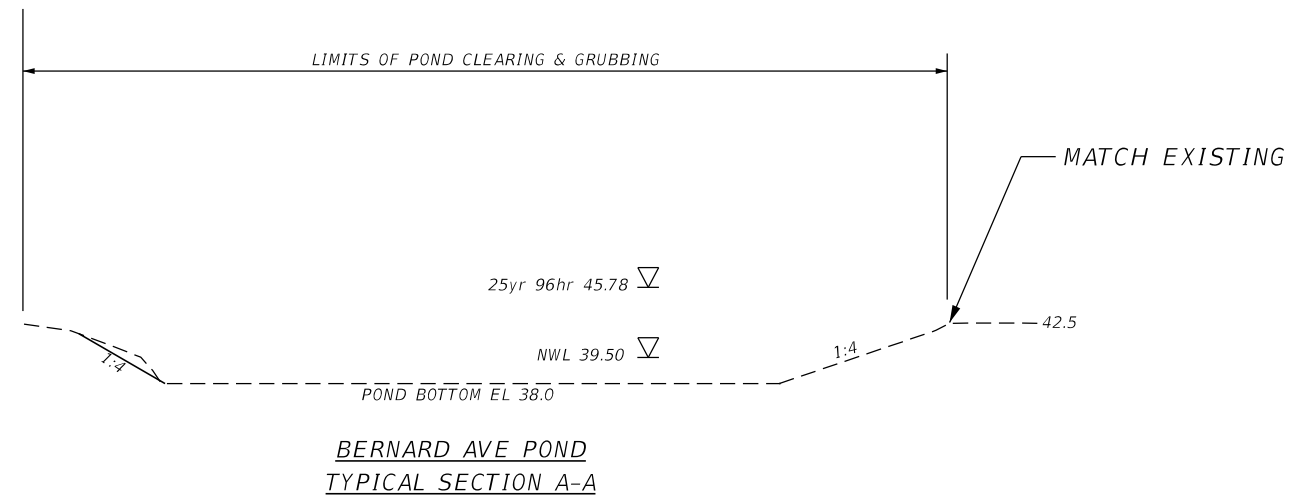
POND PLAN (1)
 SHEET NO. 131

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	STATION	OFFSET
A	40001+08.50	-69.46
B	40001+03.21	-67.80
C	40000+98.72	-64.83
D	40000+86.61	-57.23
E	40000+77.69	-53.23
F	40000+60.23	-43.24
G	40000+50.48	-33.91
H	40000+42.87	-18.92
I	40000+38.28	-4.39
J	40000+37.85	23.14
K	40000+40.84	33.17
L	40000+49.09	49.95
M	40000+40.65	89.37
N	40000+34.84	98.94
O	40000+35.11	111.12
P	40000+37.38	115.81
Q	40000+40.16	124.52
R	40000+49.03	129.50
S	40000+56.48	136.57
T	40000+77.64	160.93
U	40000+86.10	163.48
V	40000+93.95	164.49
W	40001+00.95	163.64
X	40006+00.61	34.17
Y	40006+13.45	28.45
Z	40006+39.97	21.62

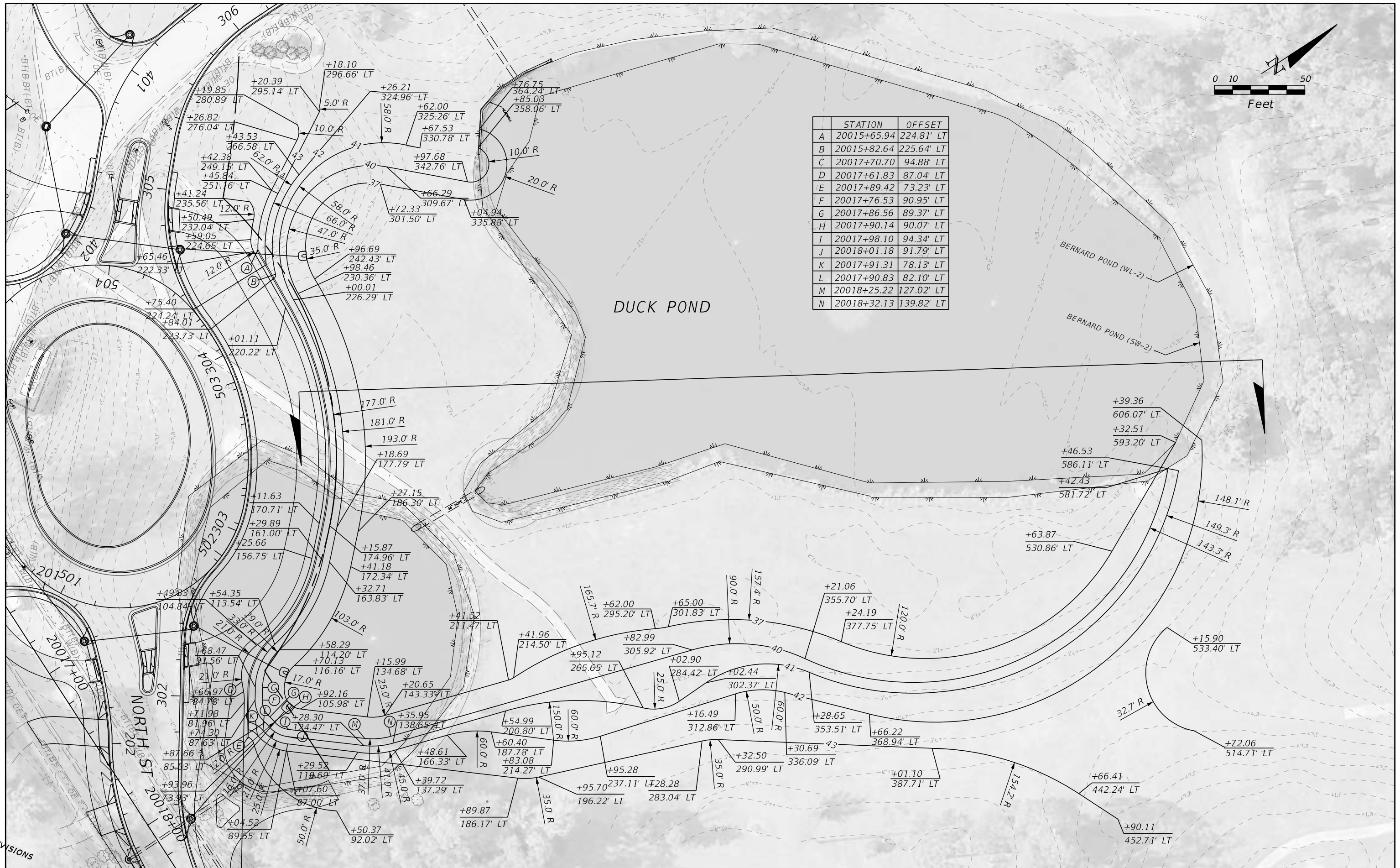
	STATION	OFFSET
AA	40006+39.04	19.49
AB	40006+40.21	4.00
AC	40006+46.12	-8.42
AD	40006+50.40	-12.43
AE	40006+50.34	-14.80
AF	40006+40.66	-31.54
AG	40006+35.65	-46.22
AH	40006+31.25	-53.91
AI	40006+24.26	-57.73
AJ	40000+98.26	-97.23
AK	40000+80.33	-88.11
AL	40000+70.39	-78.83
AM	40000+17.47	42.32
AN	40000+22.55	57.56
AO	40000+24.39	64.99
AP	40000+24.90	69.79
BA	40006+30.21	50.00
BB	40006+69.59	39.52
BC	40006+71.13	33.15
BD	40006+71.80	27.01
BE	40006+70.42	3.62
BF	40006+72.39	1.36
BH	40006+75.67	0.46
BI	40006+85.82	0.93
BJ	40006+91.88	0.00
BK	40006+95.49	-4.10

	STATION	OFFSET
BL	40006+95.44	-14.02
BM	40006+92.26	-26.22
BN	40006+91.22	-34.05
BO	40006+87.49	-38.61
BP	40006+75.64	-43.92
BQ	40006+66.26	-51.03
BR	40006+64.90	-63.35
BS	40006+54.22	-78.93
BT	40006+48.01	-85.64
BU	40006+29.43	-96.02
BV	40006+15.68	-100.30
BW	40005+82.82	-105.67
BX	40005+72.94	-113.26
BY	40005+54.76	-140.85
BZ	40005+49.03	-152.44
CA	40007+21.10	-5.62
CB	40007+23.66	-13.14
CC	40007+21.25	-31.14
CD	40007+09.58	-42.37
CE	40006+80.24	-51.37
CF	40006+64.29	-79.47
CG	40006+35.10	-107.39
CH	40005+98.05	-116.41
CI	40005+86.28	-126.28
CJ	40005+74.33	-153.47
CK	40005+74.56	-165.47



Limits of sod are to extend 2' below the NWL or to the pond bottom. Whichever is higher.

REVISIONS				RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1 ROAD COUNTY CIP No. RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084	POND TYPICAL SECTION BERNARD POND	SHEET NO. 132
DATE	DESCRIPTION	DATE	DESCRIPTION				



STATION	OFFSET
A	20015+65.94 224.81' LT
B	20015+82.64 225.64' LT
C	20017+70.70 94.88' LT
D	20017+61.83 87.04' LT
E	20017+89.42 73.23' LT
F	20017+76.53 90.95' LT
G	20017+86.56 89.37' LT
H	20017+90.14 90.07' LT
I	20017+98.10 94.34' LT
J	20018+01.18 91.79' LT
K	20017+91.31 78.13' LT
L	20017+90.83 82.10' LT
M	20018+25.22 127.02' LT
N	20018+32.13 139.82' LT

REVISIONS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

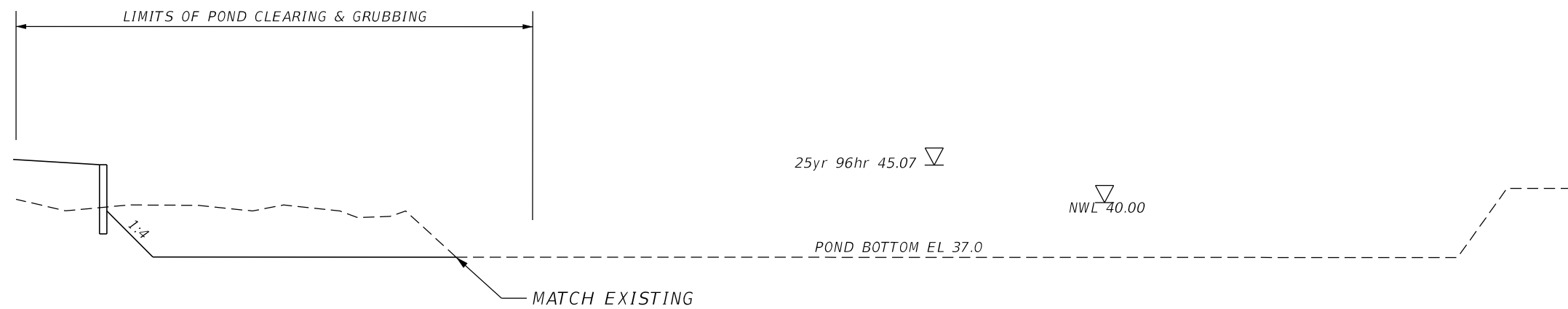
RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE I
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

POND DETAILS
 SHEET NO. 133

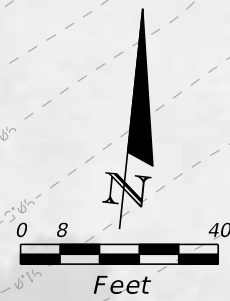
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DUCK POND
TYPICAL SECTION A-A

Limits of sod are to extend 2'
below the NWL or to the pond bottom.
Whichever is higher.

REVISIONS				RICARDO A. CINTRON, P.E. LICENSE NO. 76423 HR 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		POND TYPICAL SECTION	SHEET NO. 134
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		



	STATION	OFFSET
A	30022+23.52	94.50' LT
B	30022+27.45	95.06' LT
C	30022+19.83	91.94' LT
D	30022+24.75	88.45' LT
E	30022+16.14	78.40' LT
F	30022+10.33	81.59' LT
G	30022+09.17	74.31' LT
H	30022+15.82	75.59' LT
I	30022+31.40	56.00' LT
J	30022+28.12	50.49' LT
K	30022+33.96	48.99' LT
L	30022+33.74	55.40' LT
M	30022+50.86	56.05' LT
N	30022+46.07	60.55' LT
O	30022+53.76	61.94' LT
P	30022+47.22	62.96' LT
Q	30022+50.85	71.97' LT
R	30022+45.59	68.57' LT
S	30022+45.17	69.34' LT
T	30022+30.43	86.02' LT
U	30022+30.21	89.72' LT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 315 E. ROBINSON ST.
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 ORLANDO, FL 32801
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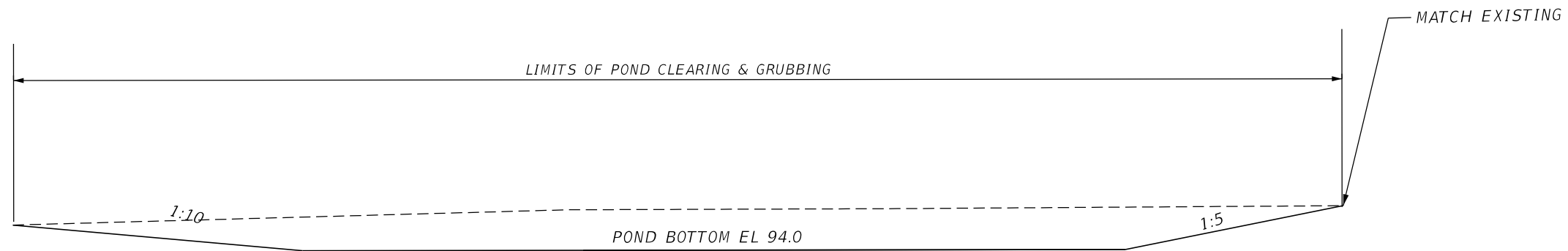


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

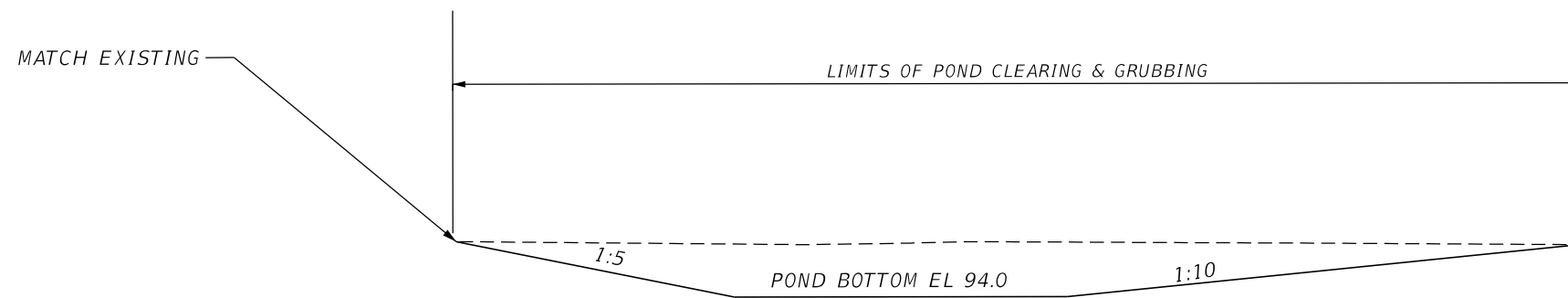
POND PLAN (3)

SHEET NO.
 135

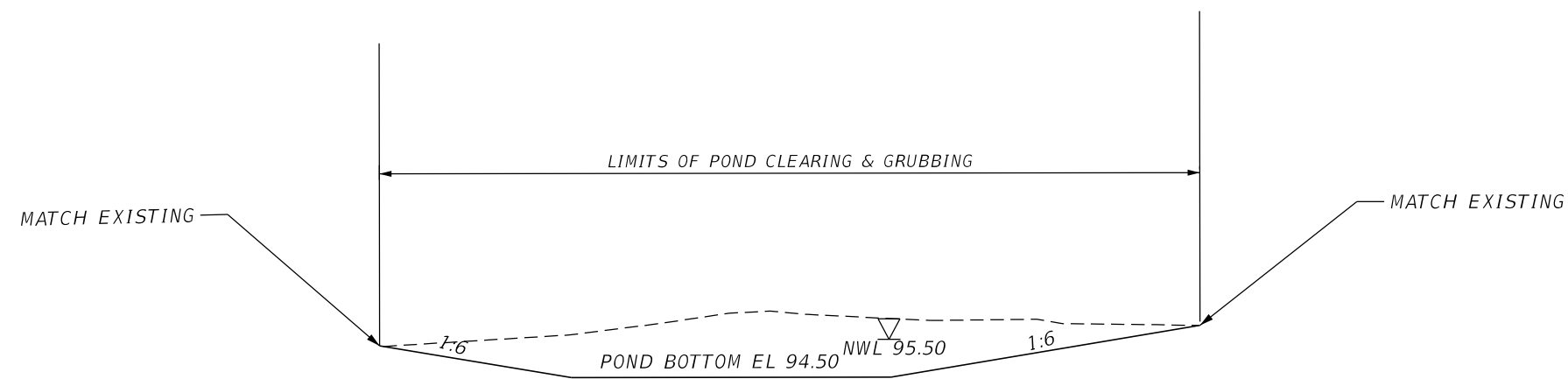
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PSS-1
TYPICAL SECTION A-A



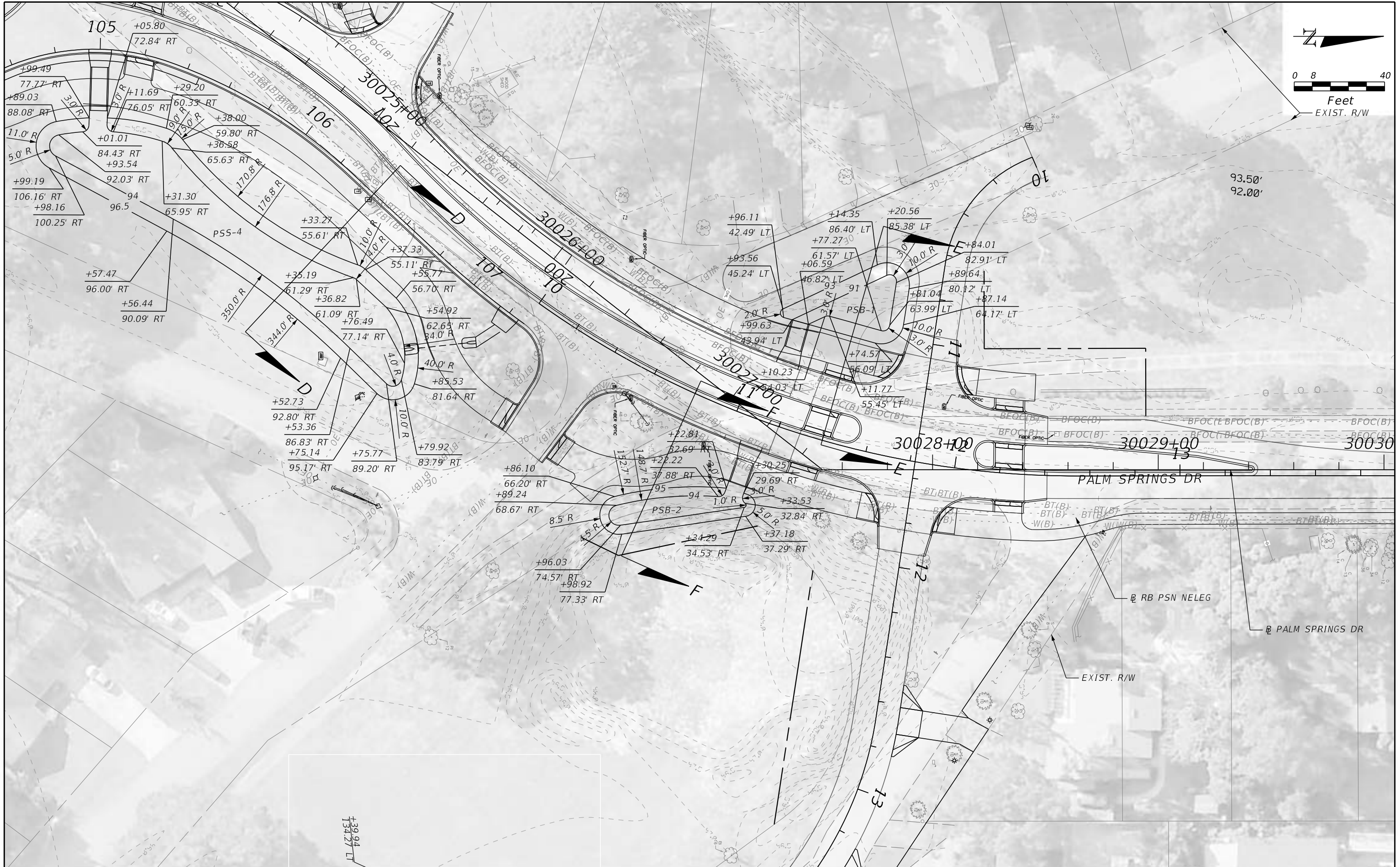
PSS-2
TYPICAL SECTION B-B



PSS-3
TYPICAL SECTION C-C

Limits of sod are to extend to the NWL.

REVISIONS				RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		POND TYPICAL SECTION	SHEET NO. 136
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

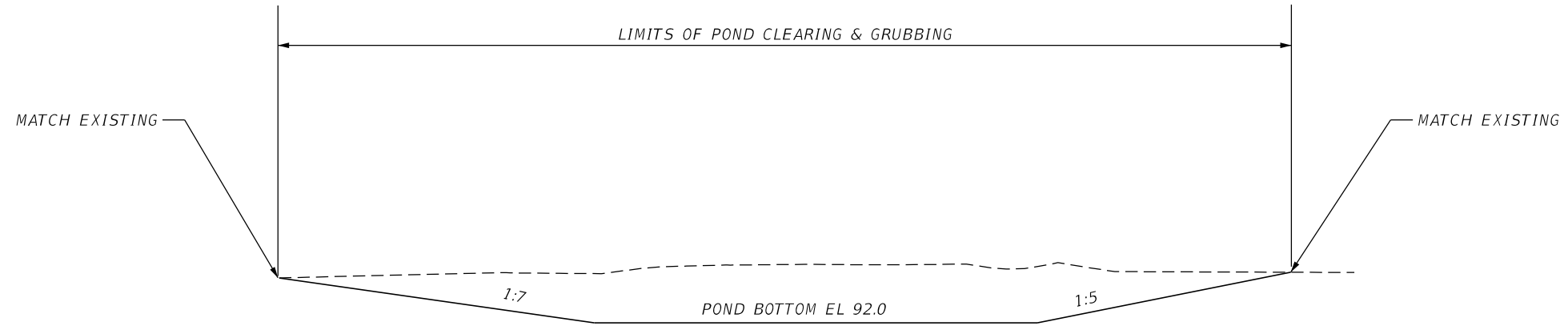
RICARDO A. CINTRON, P.E. LICENSE NO. 76423
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 SUITE 400
 ORLANDO, FL 32801
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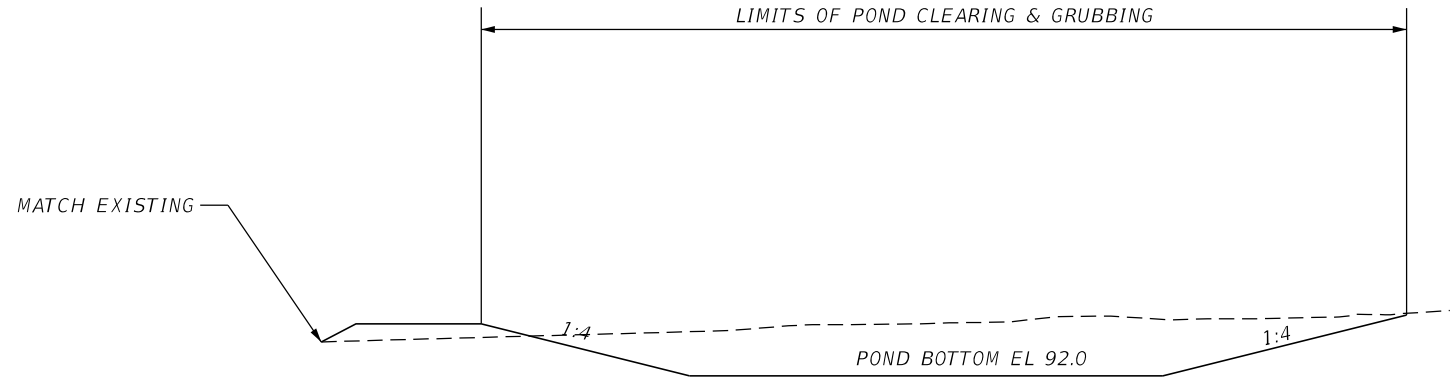
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

POND PLAN (4)
 SHEET NO. 137

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PSB-1 POND
TYPICAL SECTION A-A

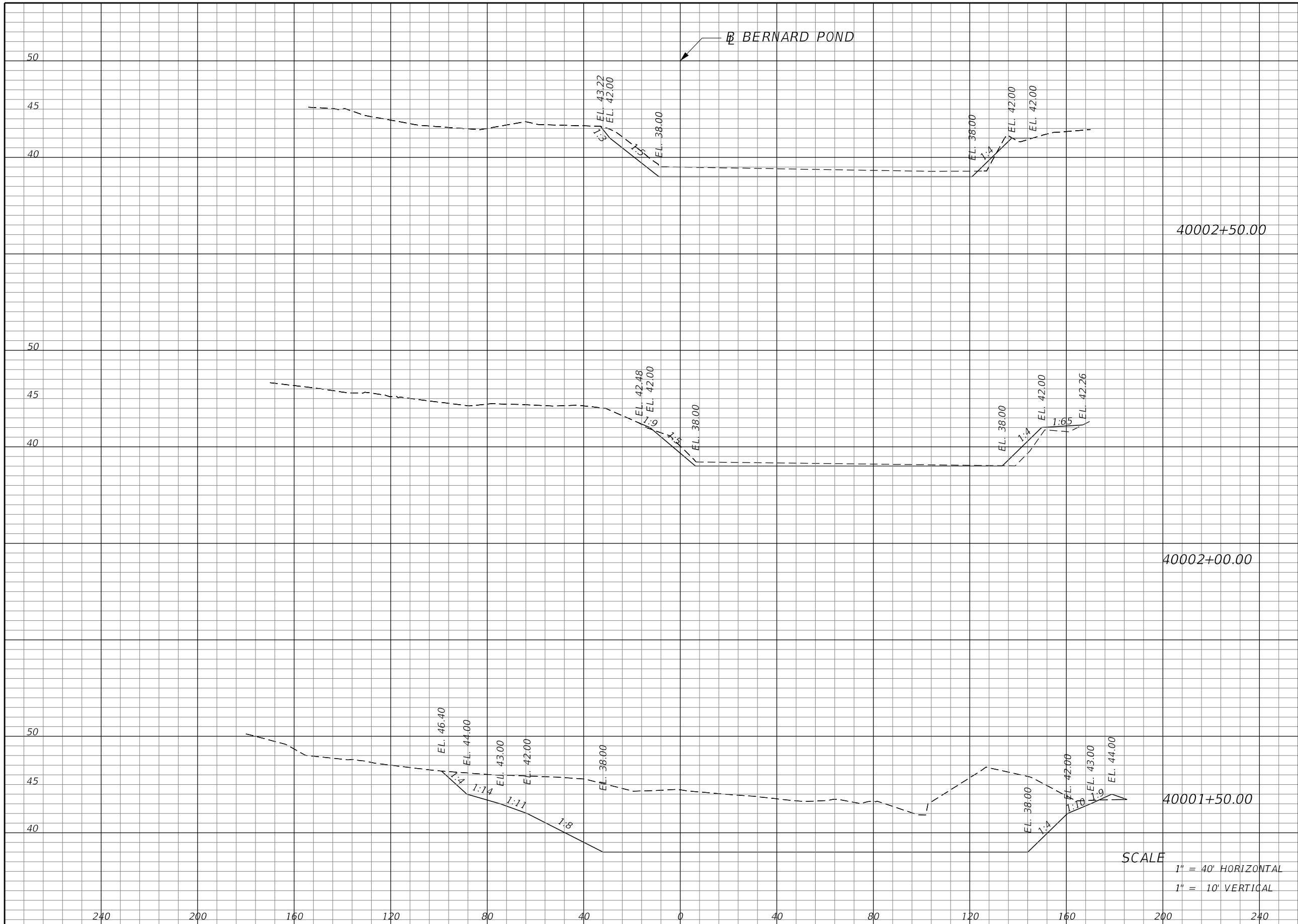


PSB-2 POND
TYPICAL SECTION B-B

Limits of sod are to extend to the NWL.

REVISIONS				RICARDO A. CINTRON, P.E. LICENSE NO. 76423 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		POND TYPICAL SECTION	SHEET NO. 138
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
416	631	0	0	0	0
424	778	0	0	0	0
1434	1721	3	0	0	0

SCALE
 1" = 40' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

HR

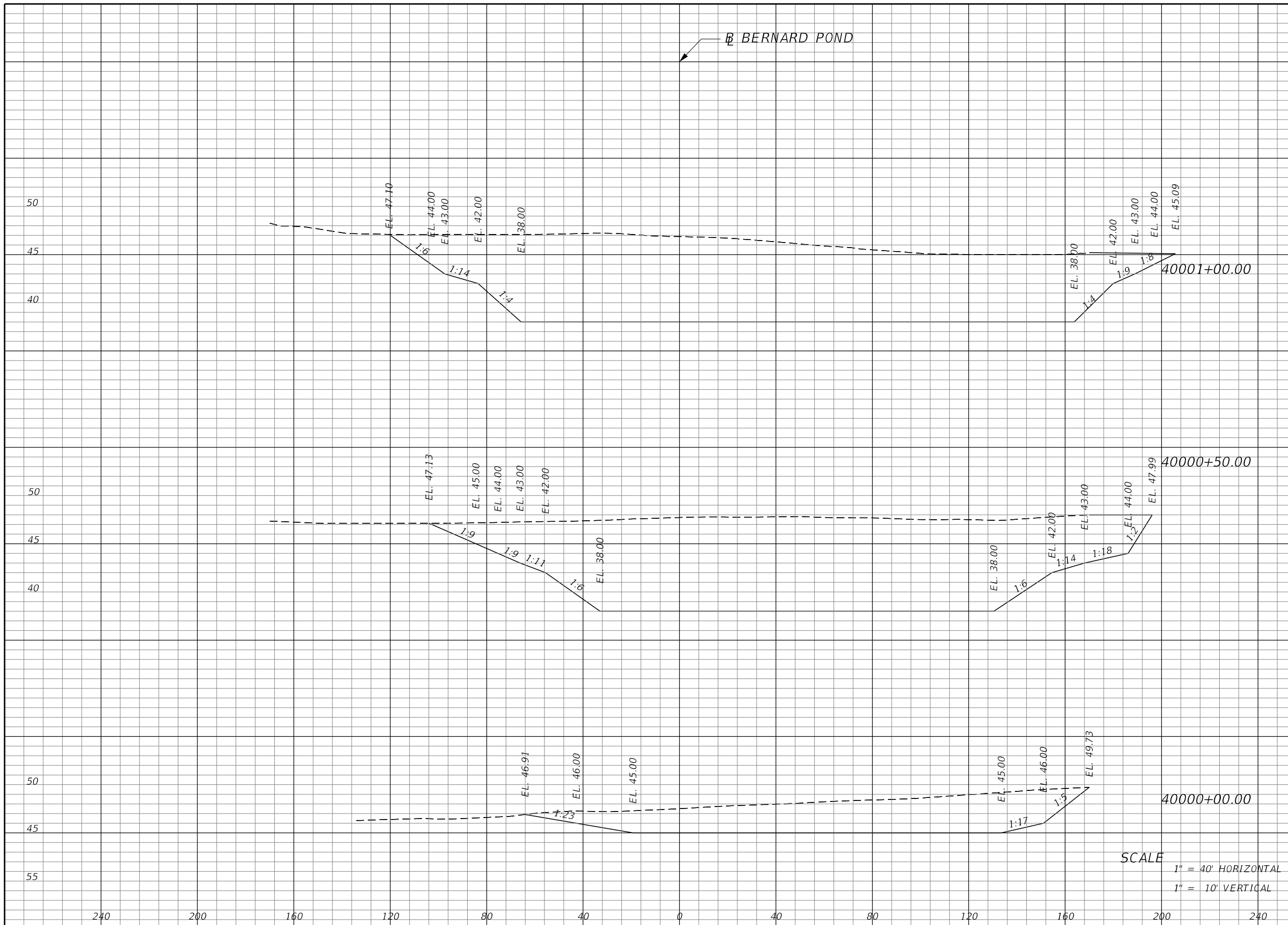
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

**POND CROSS
 SECTIONS SHEETS
 BERNARD POND**

SHEET NO.
139

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



Regular Exc.		Embankment	
A	V	A	V
	1651		2
349	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



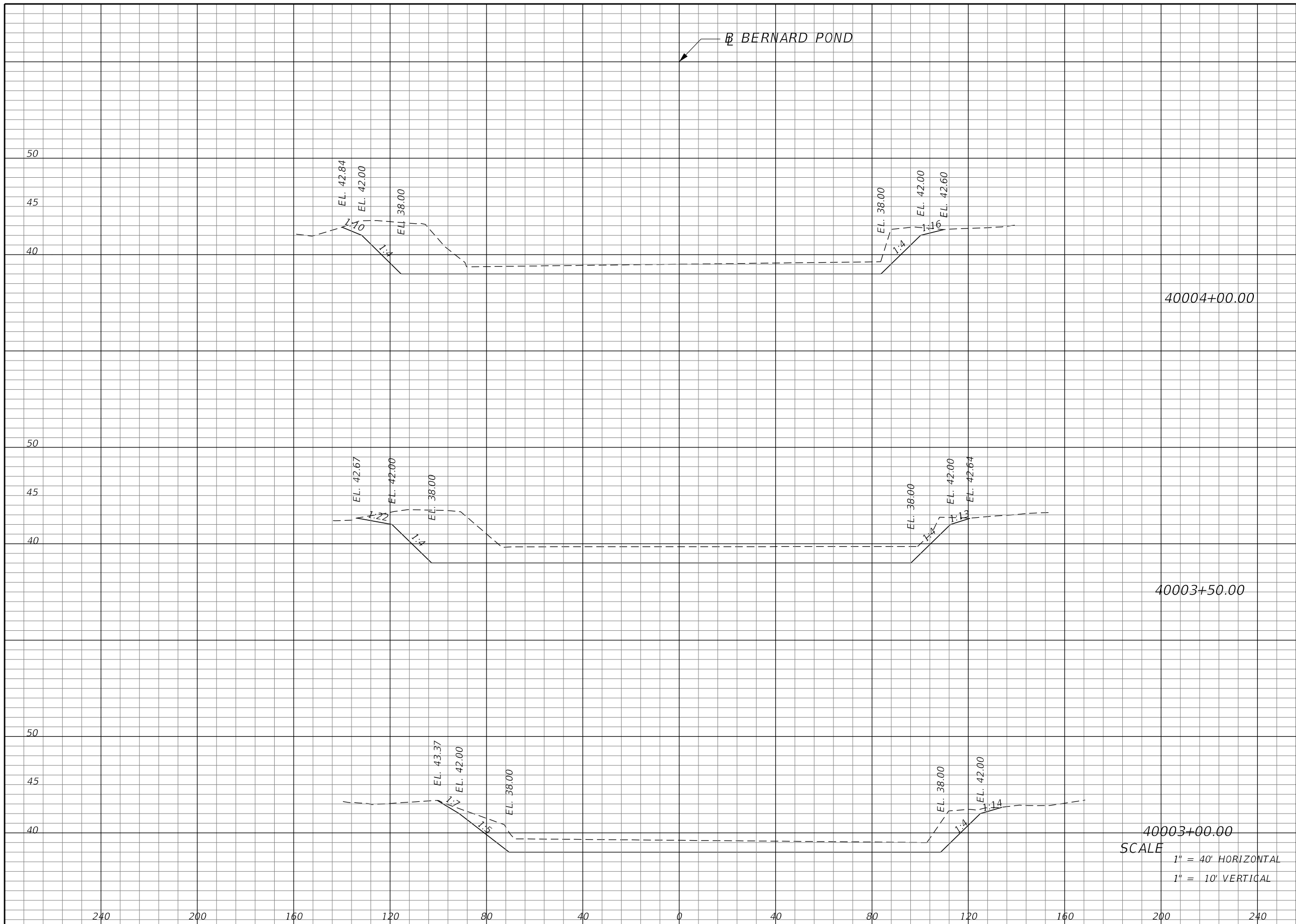
**SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1**

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

**POND CROSS
 SECTIONS SHEETS
 BERNARD POND**

SHEET NO.
140

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




Regular Exc.		Embankment	
A	V	A	V
324	360	0	16
433	701	0	0
266	648	0	0

SCALE
 1" = 40' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



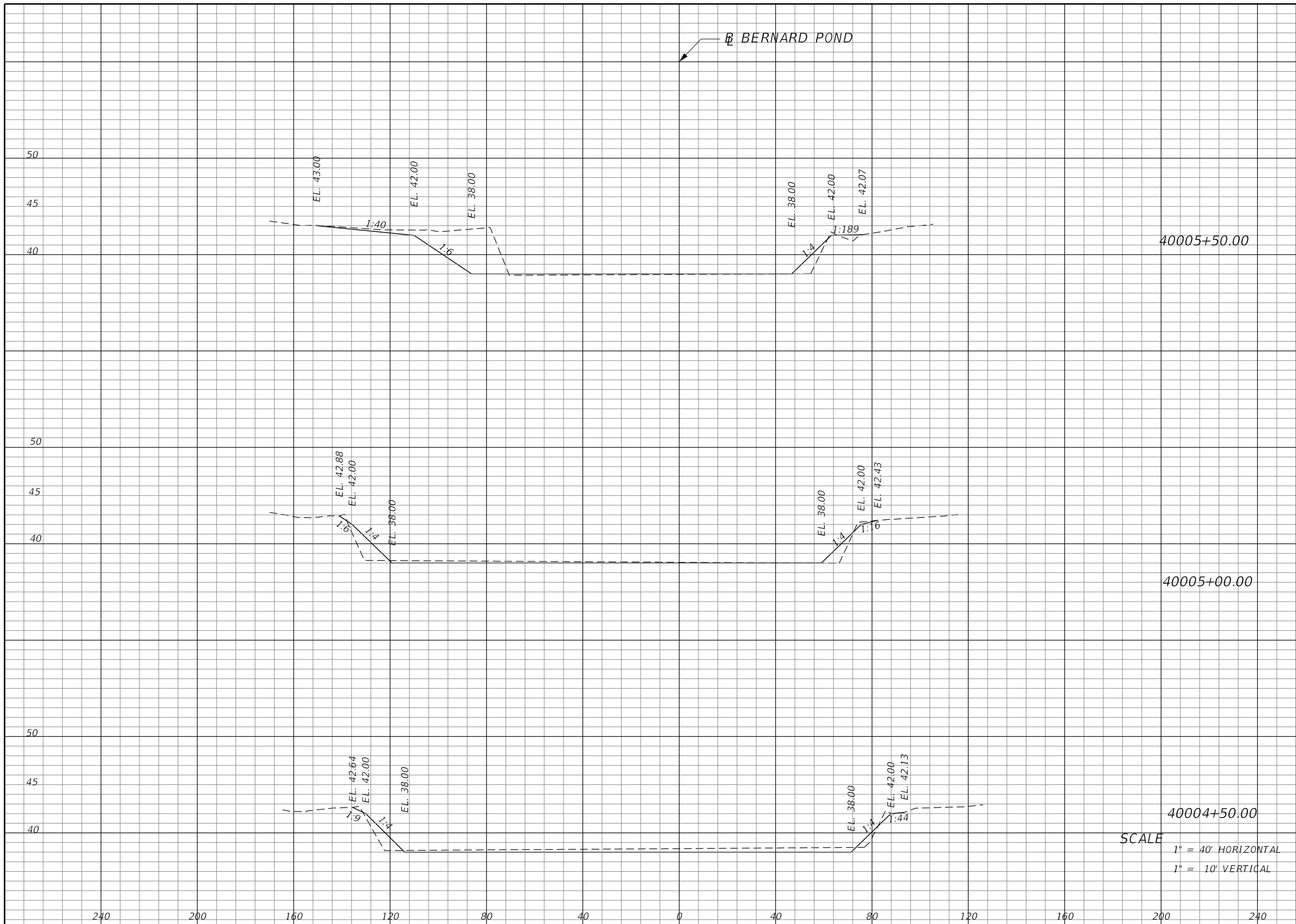
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

**POND CROSS
 SECTIONS SHEETS
 BERNARD POND**

SHEET NO.
141

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




Regular		Exc.		Embankment	
A	V	A	V	A	V
223			528	17	
22			227	60	
64			80	60	
				17	

SCALE
 1" = 40' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
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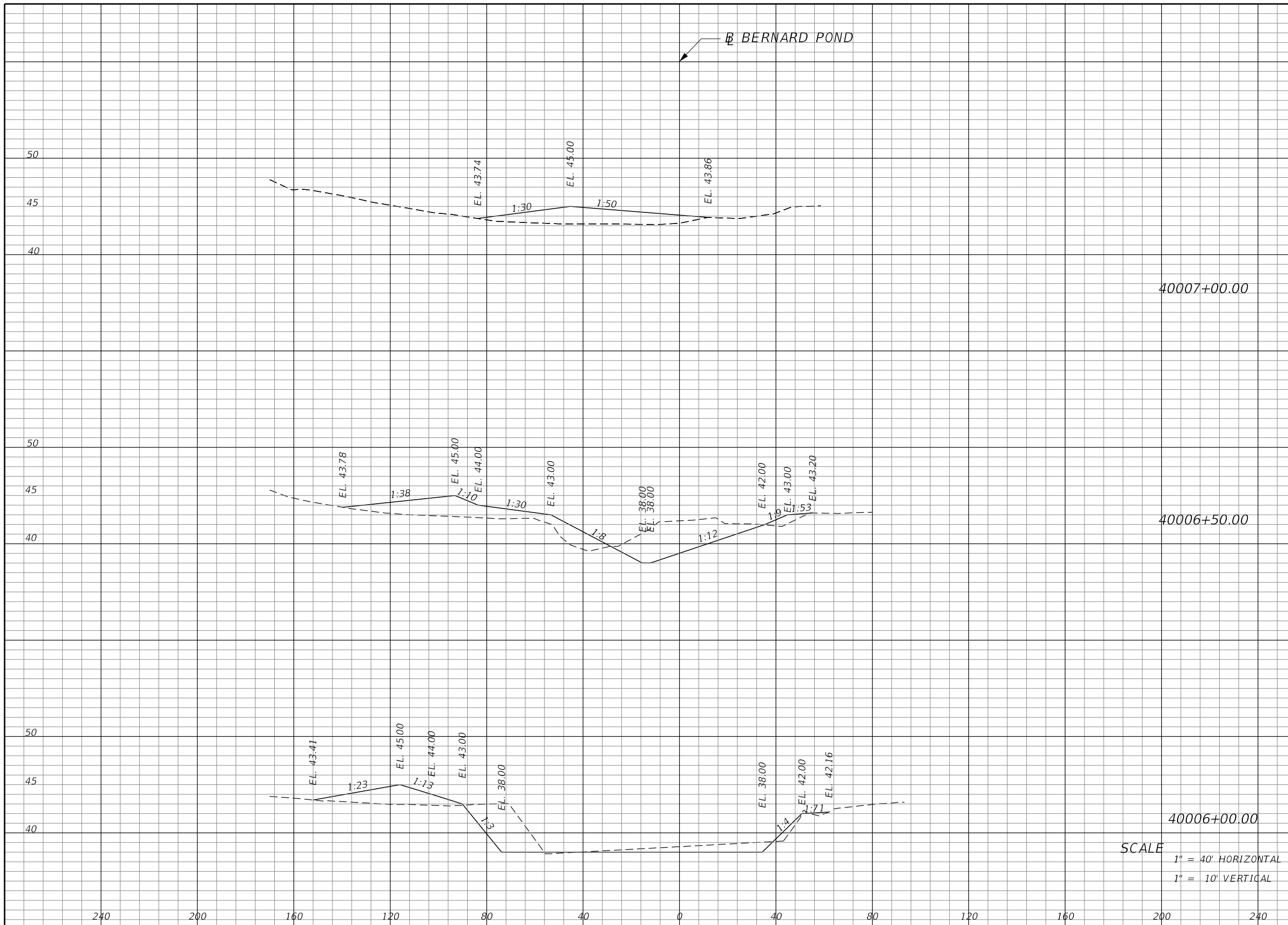
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

**POND CROSS
 SECTIONS SHEETS
 BERNARD POND**

SHEET NO.
142

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			435		0
469		0			
			911		0
515		0			
			798		1
347		1			

SCALE
 1" = 40' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

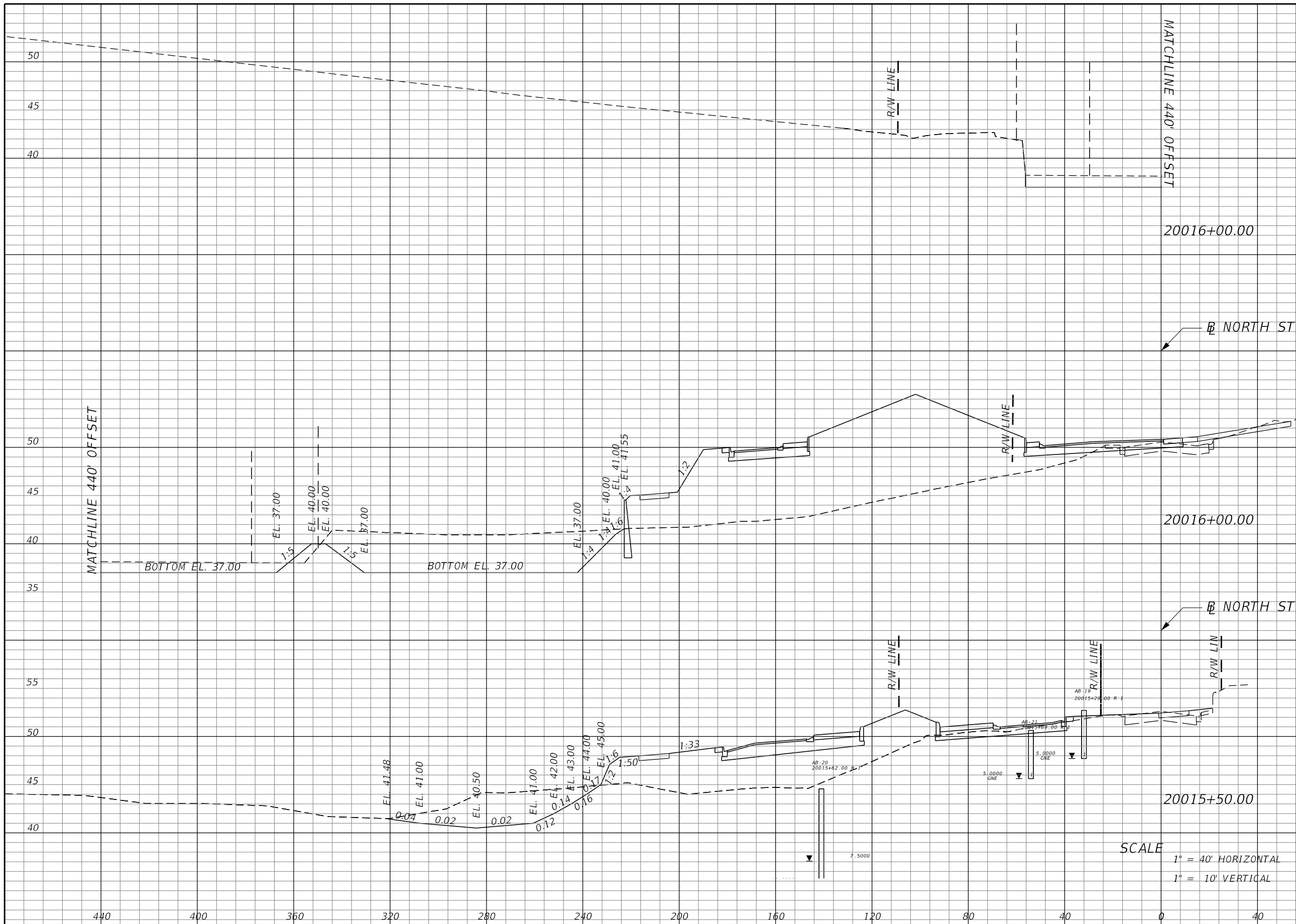


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

POND CROSS
 SECTIONS SHEETS
 BERNARD POND

SHEET NO.
 143


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



Regular		Exc.		Embankment	
A	V	A	V	A	V
		153		36	
		0		0	
		0		0	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 315 E. ROBINSON ST.
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 ORLANDO, FL 32801
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 FAX 407.420.4242



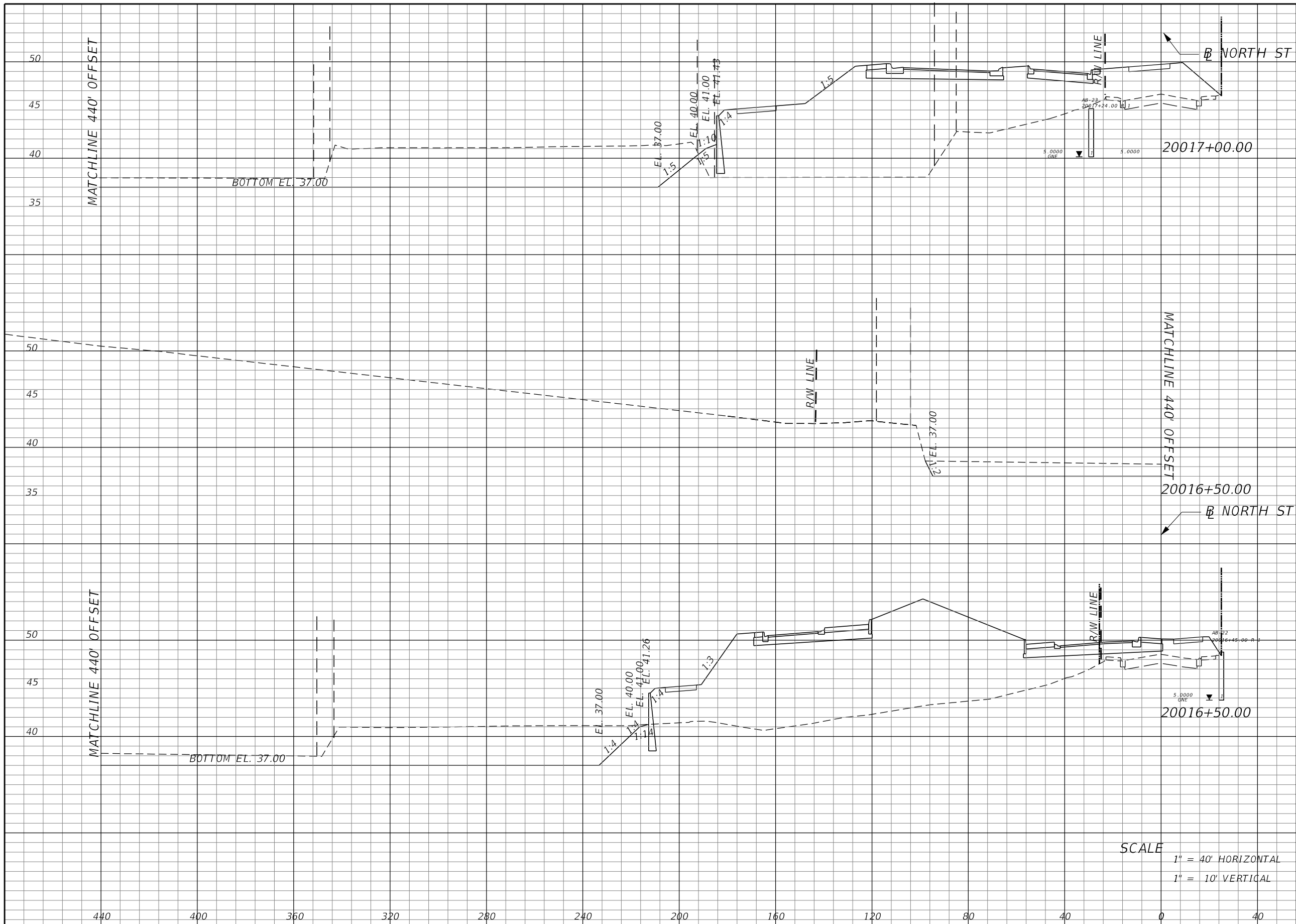
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

**POND CROSS
 SECTIONS SHEETS
 DUCK POND**

SHEET NO.
144

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
730				53	
	1053				76
		407			29
		519			60

SCALE
 1" = 40' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



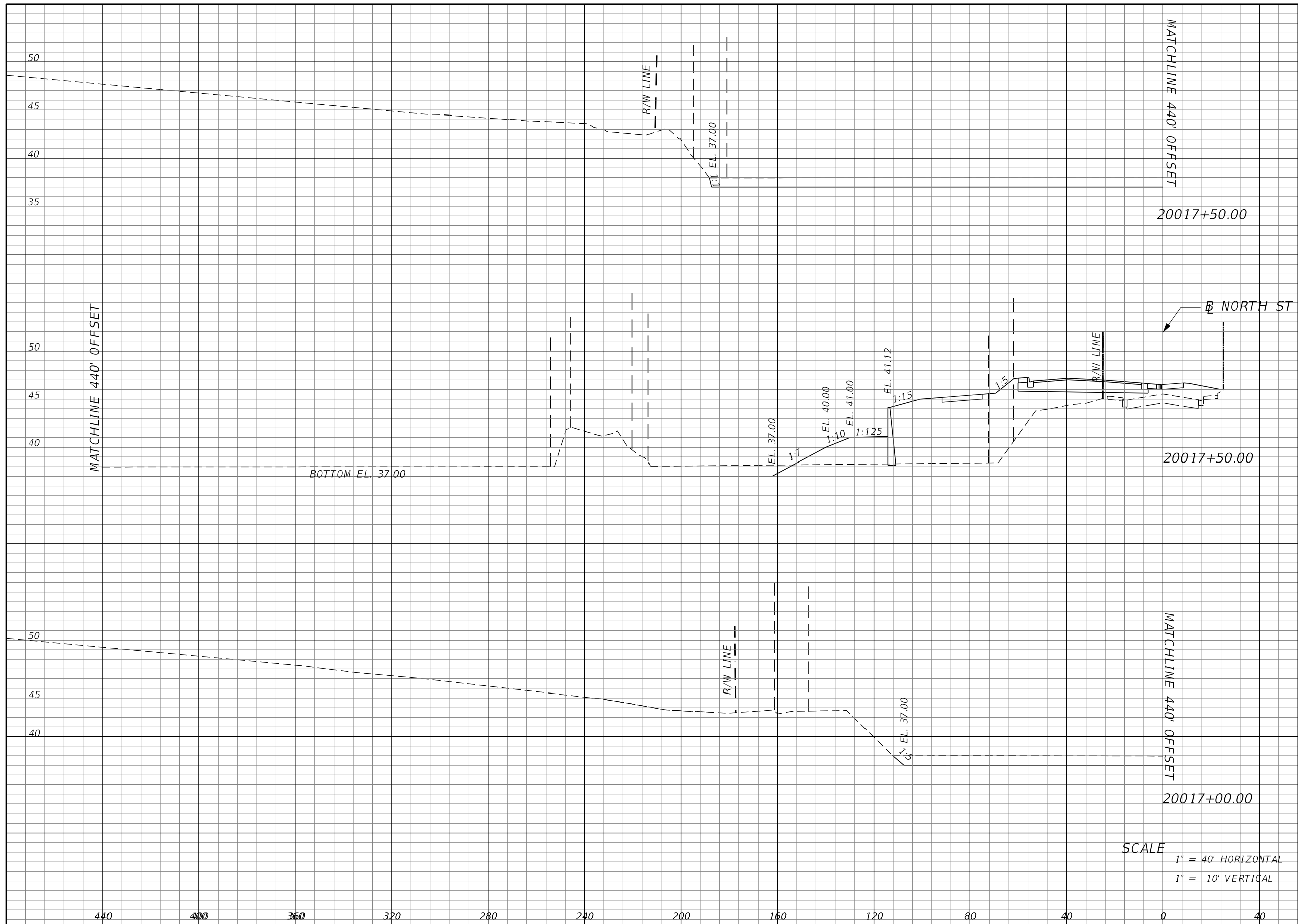
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

POND CROSS
 SECTIONS SHEETS
 DUCK POND

SHEET NO.
 145

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			1385		366
515				191	
		1153			226

SCALE
 1" = 40' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
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 ORLANDO, FL 32801
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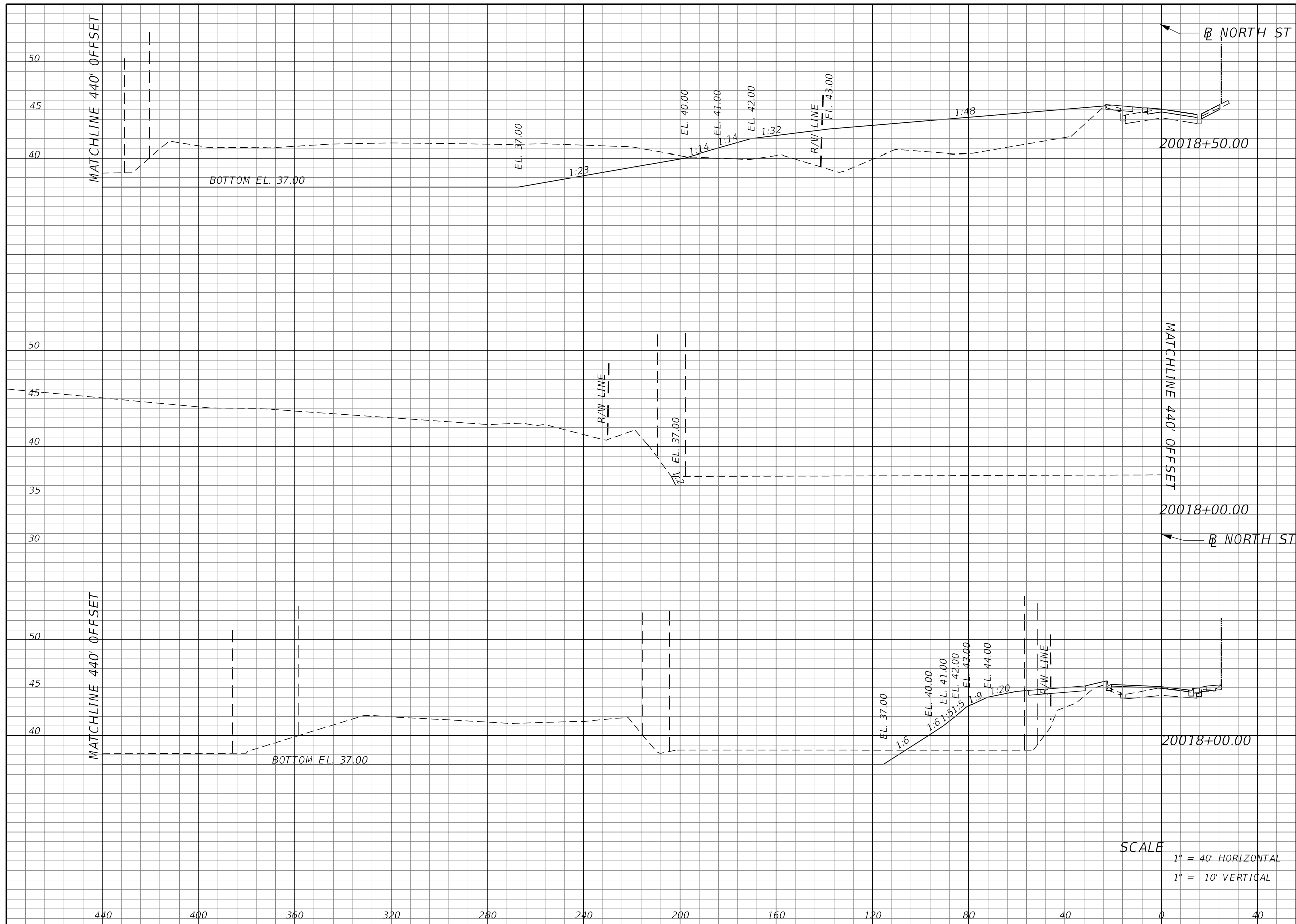


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

POND CROSS
 SECTIONS SHEETS
 DUCK POND

SHEET NO.
 146

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
580				136	
	1444				315
980				204	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 315 E. ROBINSON ST.
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 ORLANDO, FL 32801
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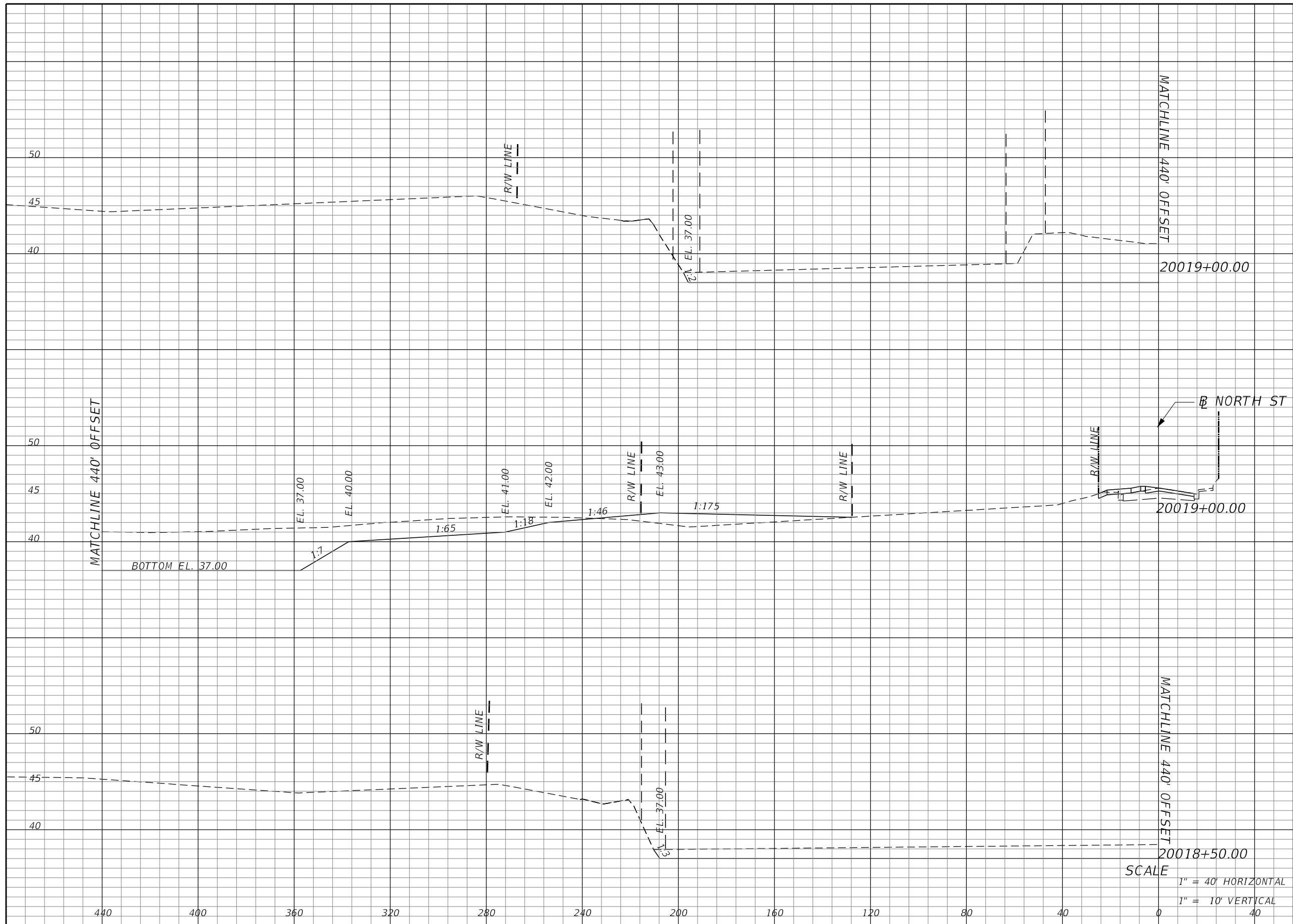
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

**POND CROSS
 SECTIONS SHEETS
 DUCK POND**

SHEET NO.
147

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
	1154				155
643				167	
	1132				280

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

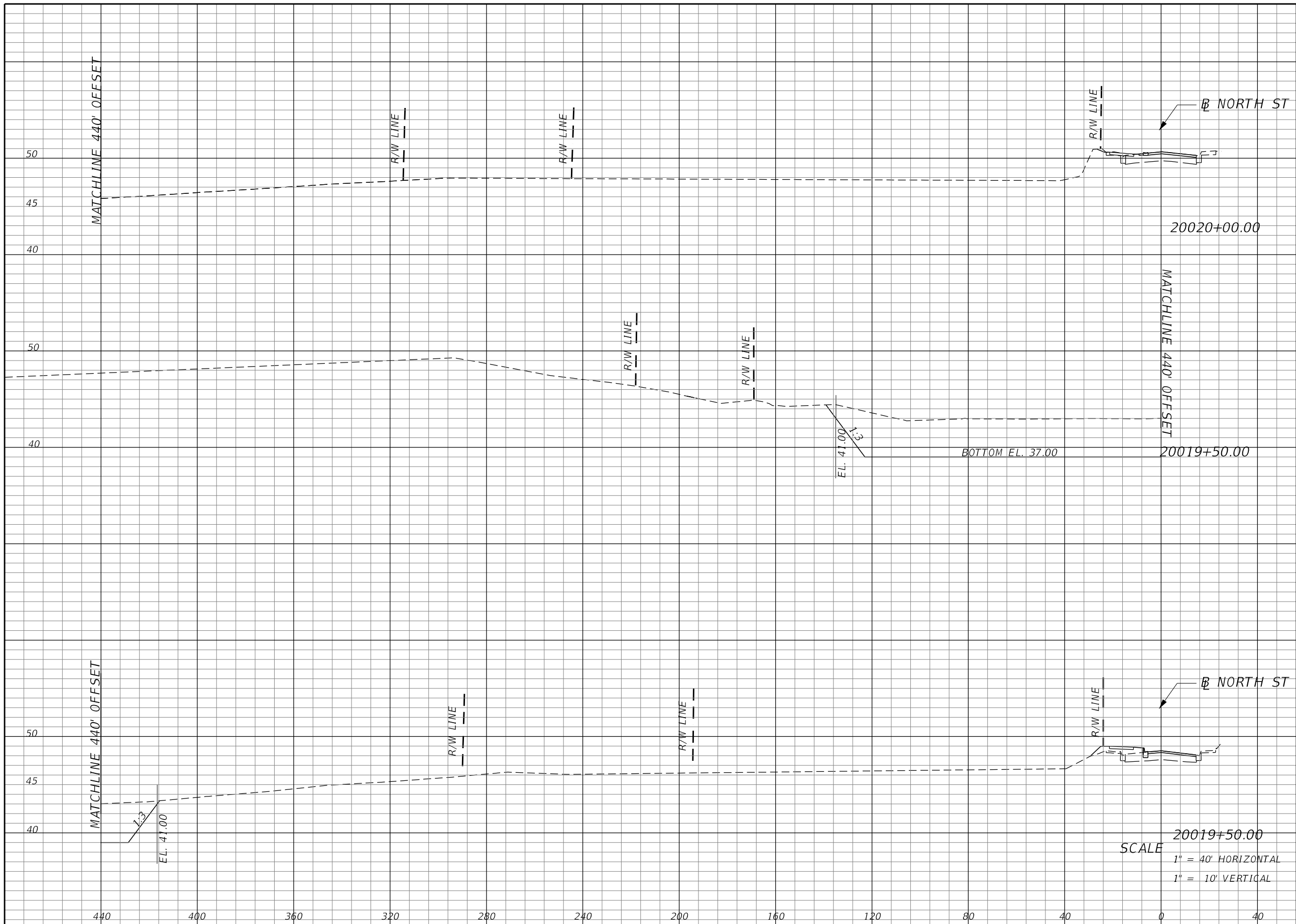
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

**POND CROSS
 SECTIONS SHEETS
 DUCK POND**

SHEET NO.
148

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




Regular		Exc.		Embankment	
A	V	A	V	A	V
			1143		0
603				0	

SCALE
 1" = 40' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
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 ORLANDO, FL 32801
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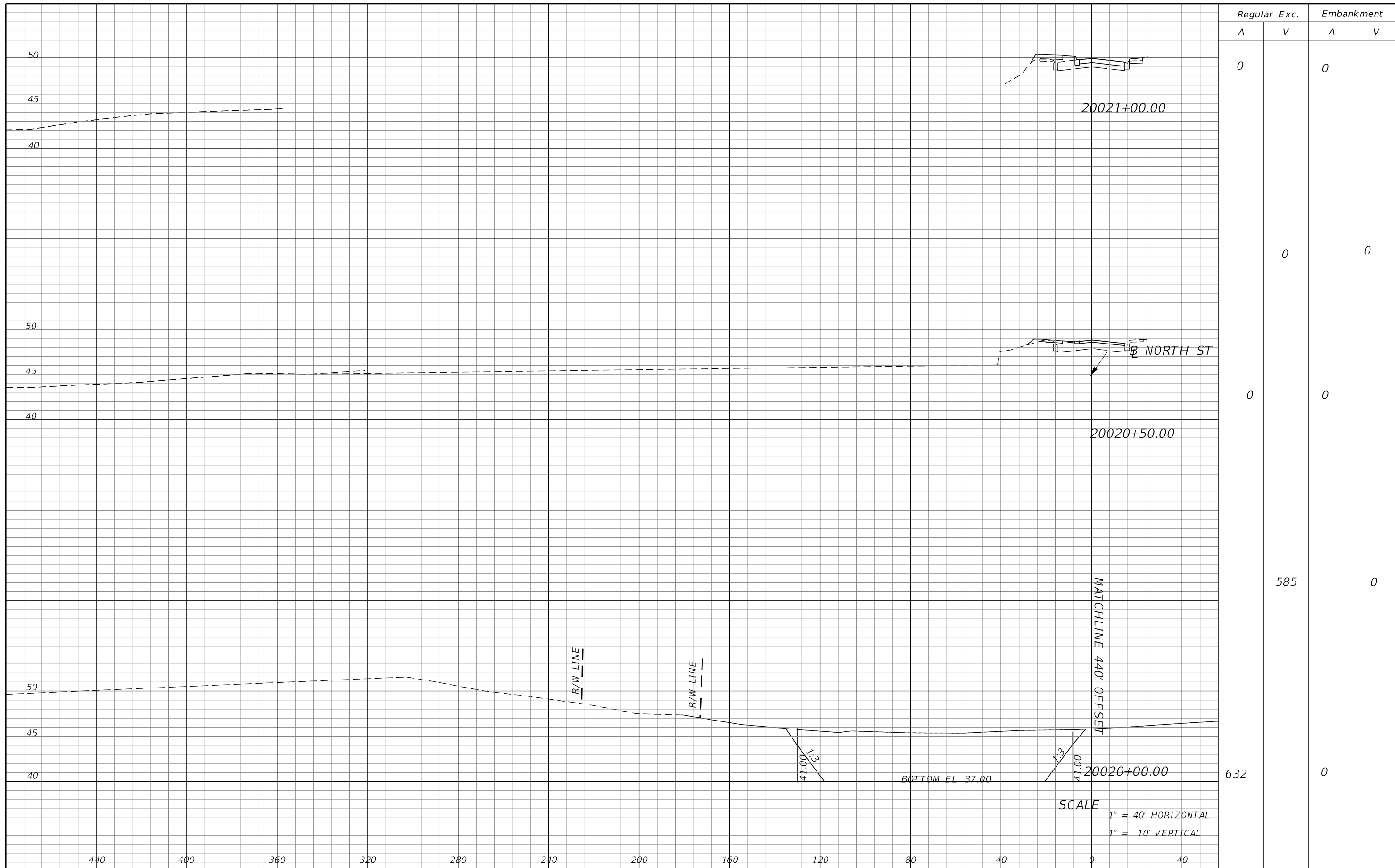
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

**POND CROSS
 SECTIONS SHEETS
 DUCK POND**

SHEET NO.
149

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

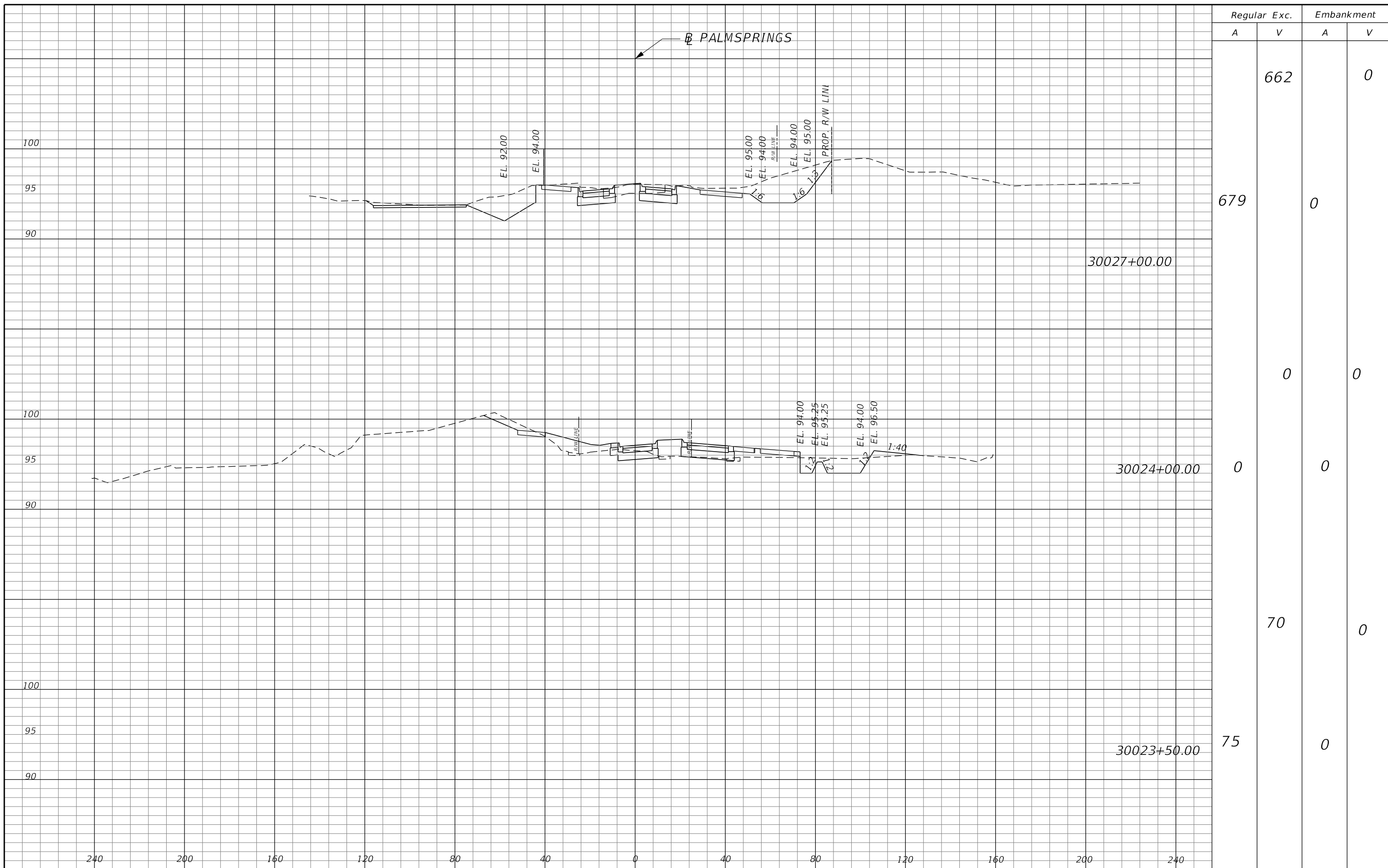


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

**POND CROSS
 SECTIONS SHEETS
 DUCK POND**

SHEET
 NO.
 150



Regular Exc.		Embankment	
A	V	A	V
	662		0
679		0	
	0		0
0			0
	70		0
75			0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
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 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



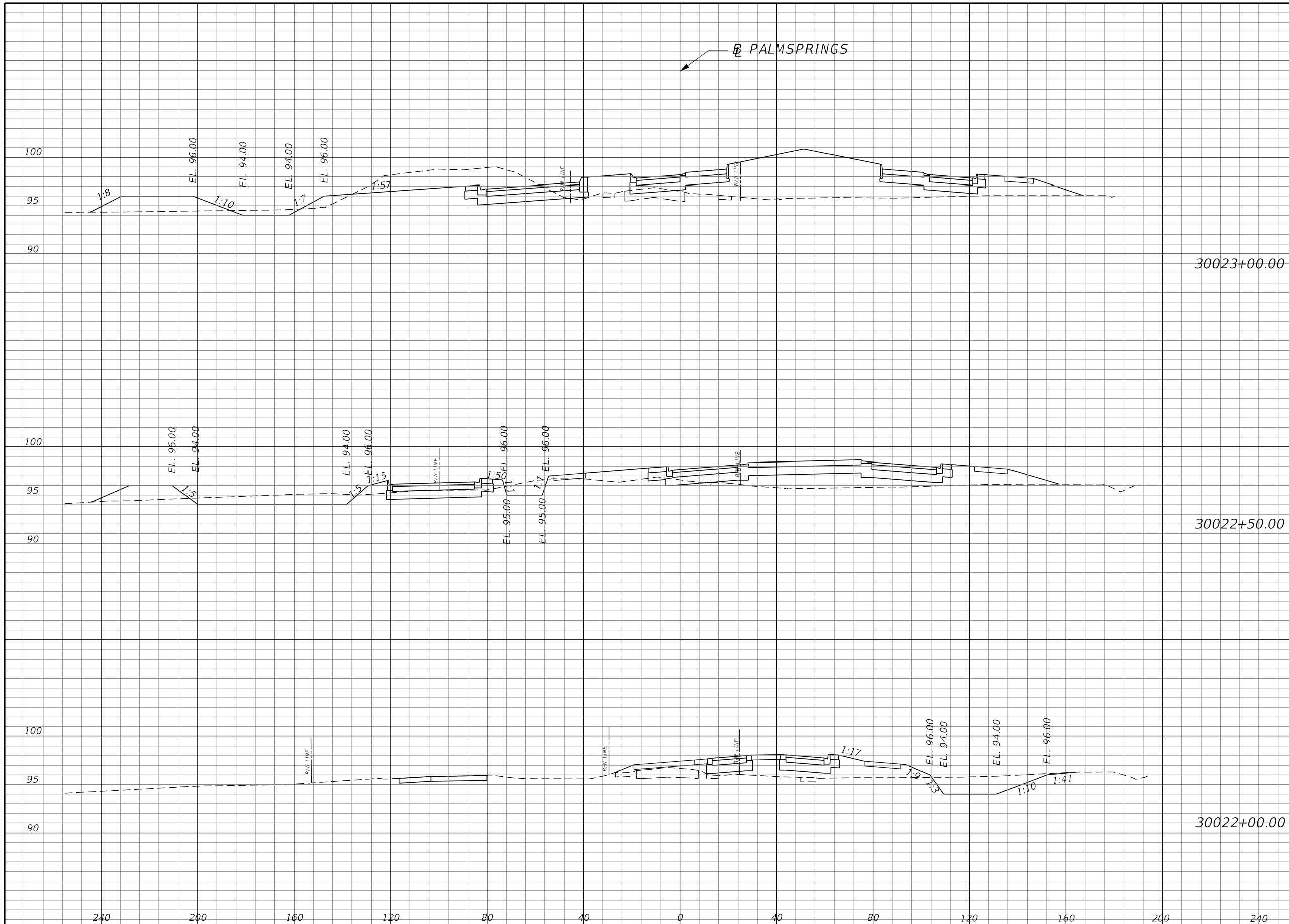
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

POND CROSS
 SECTIONS SHEETS
 PSS & PSB PONDS

SHEET NO.
 151

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

B PALMSPRINGS



Regular Exc.		Embankment	
A	V	A	V
331	376	4	4
24	328	7	11
73	90	0	7

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

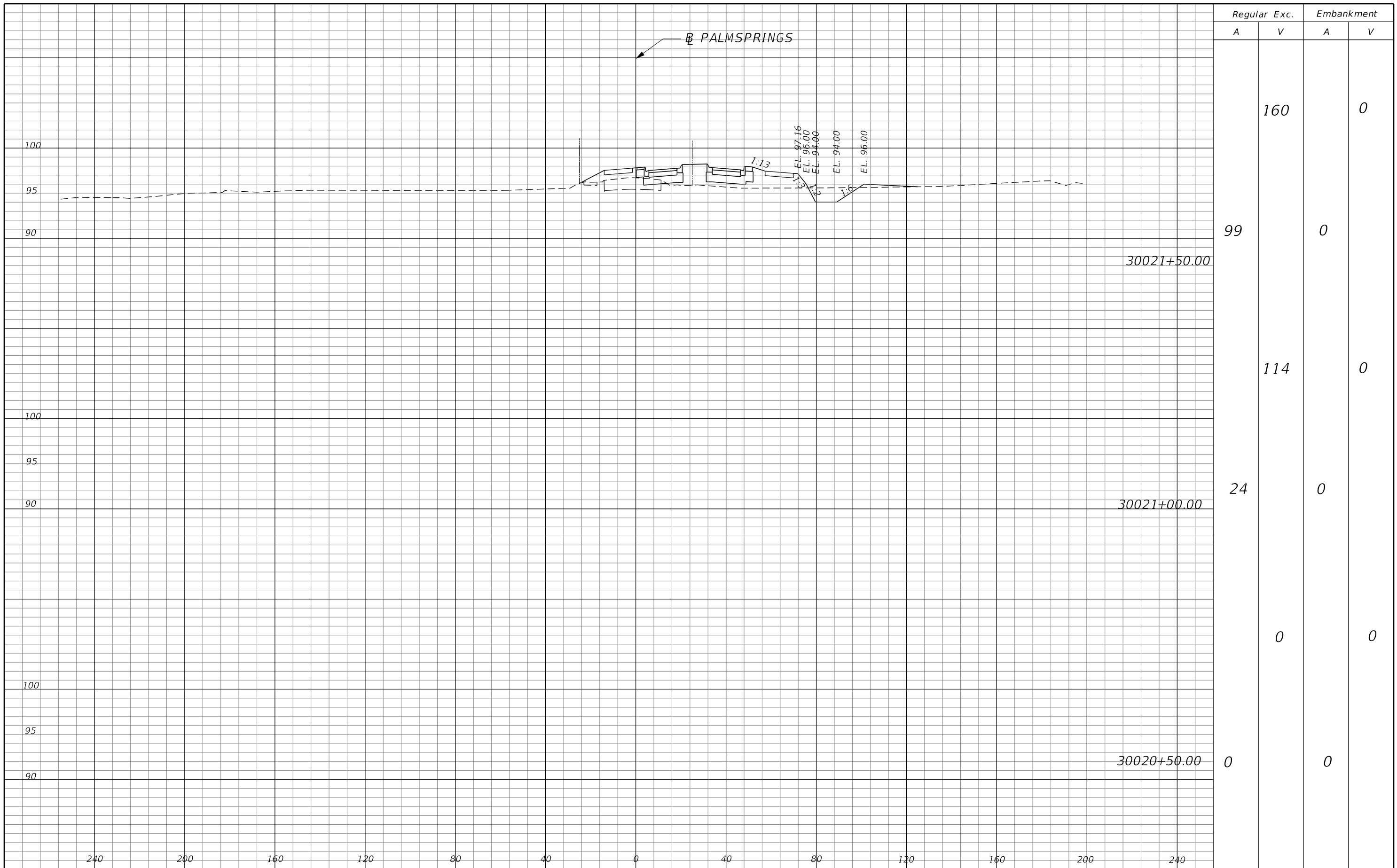


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

POND CROSS
 SECTIONS SHEETS
 PSS PONDS


SHEET NO.
 152

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

RICARDO A. CINTRON, P.E. LICENSE NO. 76423
 315 E. ROBINSON ST.
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 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

**POND CROSS
 SECTIONS SHEETS
 PSS PONDS**

SHEET NO.
153

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

DATE OF SURVEY: AUGUST 2021
 SURVEY MADE BY: GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 SUBMITTED BY: VERNA E. WILLIFORD IV, P.E.

PROJECT NAME: ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR.
 COUNTY: SEMINOLE

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADWAY

RAYMOND AVENUE BEGIN STA.: 10000+00 END STA.: 10030+60
 NORTH STREET BEGIN STA.: 20000+00 END STA.: 20046+00
 PALM SPRINGS DRIVE BEGIN STA.: 50000+00 END STA.: 40046+90

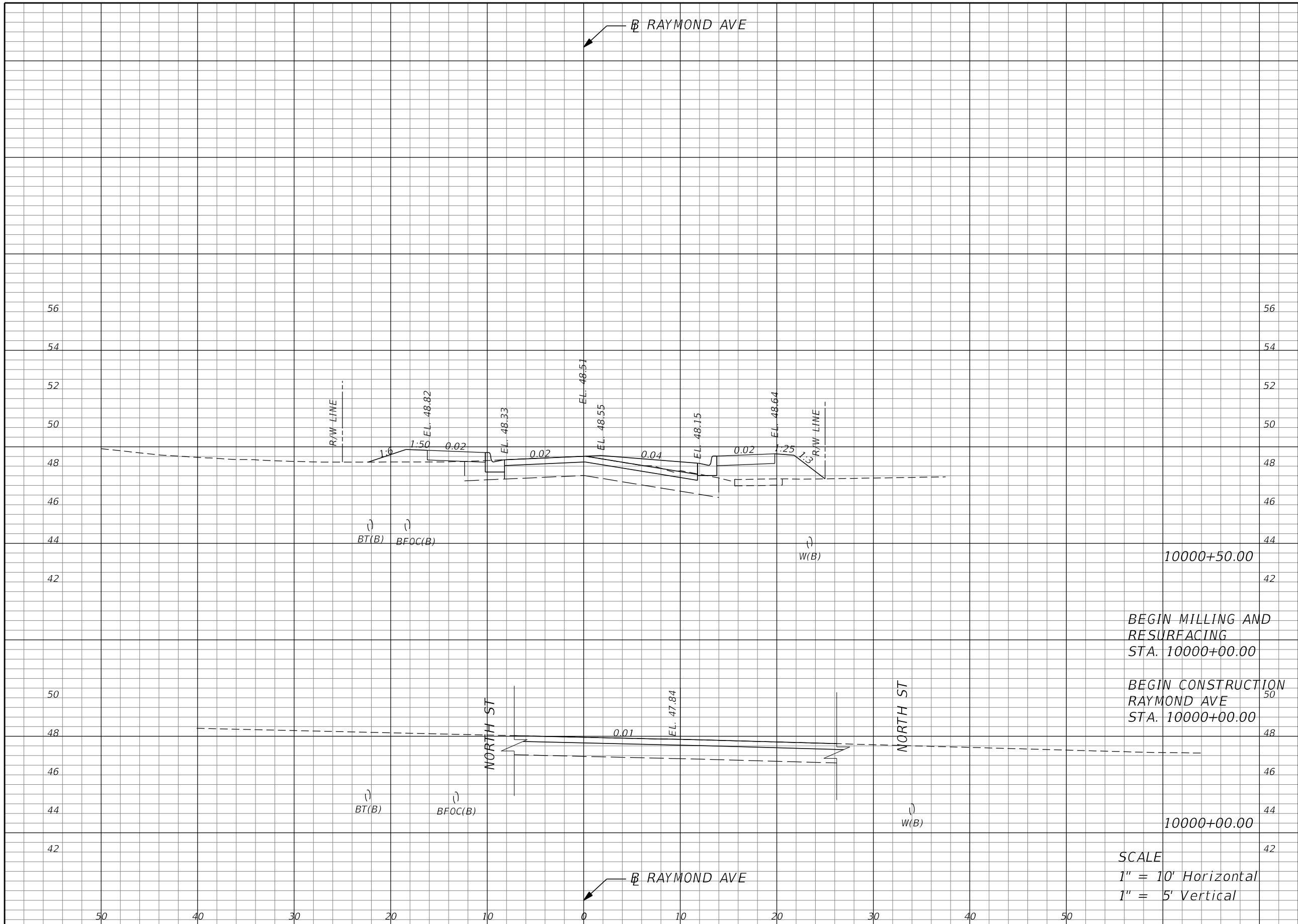
STATIONS REFERENCE: CENTERLINE OF CONSTRUCTION

STRATUM NO.	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS PERCENT PASS (%)					ATTERBERG LIMITS (%)				DESCRIPTION	CORROSION TEST RESULTS					
	NO. OF TESTS	% ORGANIC	NO. OF TESTS	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX		AASHTO GROUP	NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDE ppm	SULFATES ppm	pH
1	0	-	0	-	15	97-100	85-94	59-73	16-37	2-7	0	-	-	A-3	LIGHT BROWN TO BROWN FINE SAND TO FINE SAND WITH SILT, OCCASIONAL LITTLE LIMEROCK	1	57,500	15	12	5.4
2	0	-	0	-	2	89-100	77-89	56-67	28-33	12-14	0	-	-	A-2-4	LIGHT BROWN TO BROWN FINE SAND WITH SILT TO SILTY FINE SAND, OCCASIONAL FEW LIMEROCK	0	-	-	-	-
3	0	-	1	15	1	100	84	68	46	22	1	26	12	A-2-6	LIGHT BROWN CLAYEY FINE SAND	1	15,000	15	36	5.1

NOTES

- STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY SUBSOIL CONNECTING LINES THAT ARE SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4. FOR FURTHER DETAILS SEE SECTION 120.3.
- WATER TABLE SHOWN AS ▼ WHERE ENCOUNTERED AT TIME OF SURVEY. GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE". ESTIMATED SEASONAL HIGH SHOWN AS ▽ IF ESTIMATED AT OR ABOVE OR ABOVE THE BOTTOM OF THE BORING PROFILE.
- REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING WITHIN ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INDEX 120-002, UNLESS OTHERWISE SHOWN ON THE PLANS. THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH INDEX 120-001.
- SOIL ANALYSIS INCLUDES DATA FROM THE ROADWAY AND POND BORINGS.
- THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.
- STRATA 1 AND 2 SHALL BE TREATED AS SELECT (S) MATERIAL, IN ACCORDANCE WITH INDEX 120-001.
- STRATUM 3 SHALL BE TREATED AS PLASTIC (P) MATERIAL, IN ACCORDANCE WITH INDEX 120-001.
- STRATUM 2 MAY RETAIN MOISTURE AND MAY BE DIFFICULT TO COMPACT.

REVISIONS				VERNA E. WILLIFORD IV, P.E. P.E. LICENSE NUMBER 82275 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL. 32814	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		ROADWAY SOIL SURVEY	SHEET NO. 154
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084		



Regular		Exc.		Embankment	
A	V	A	V	A	V
0	1.13	0	0	3.12	4.64
0	0	0	0	0	2.89

BEGIN MILLING AND RESURFACING
STA. 10000+00.00

BEGIN CONSTRUCTION
RAYMOND AVE
STA. 10000+00.00

SCALE
1" = 10' Horizontal
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

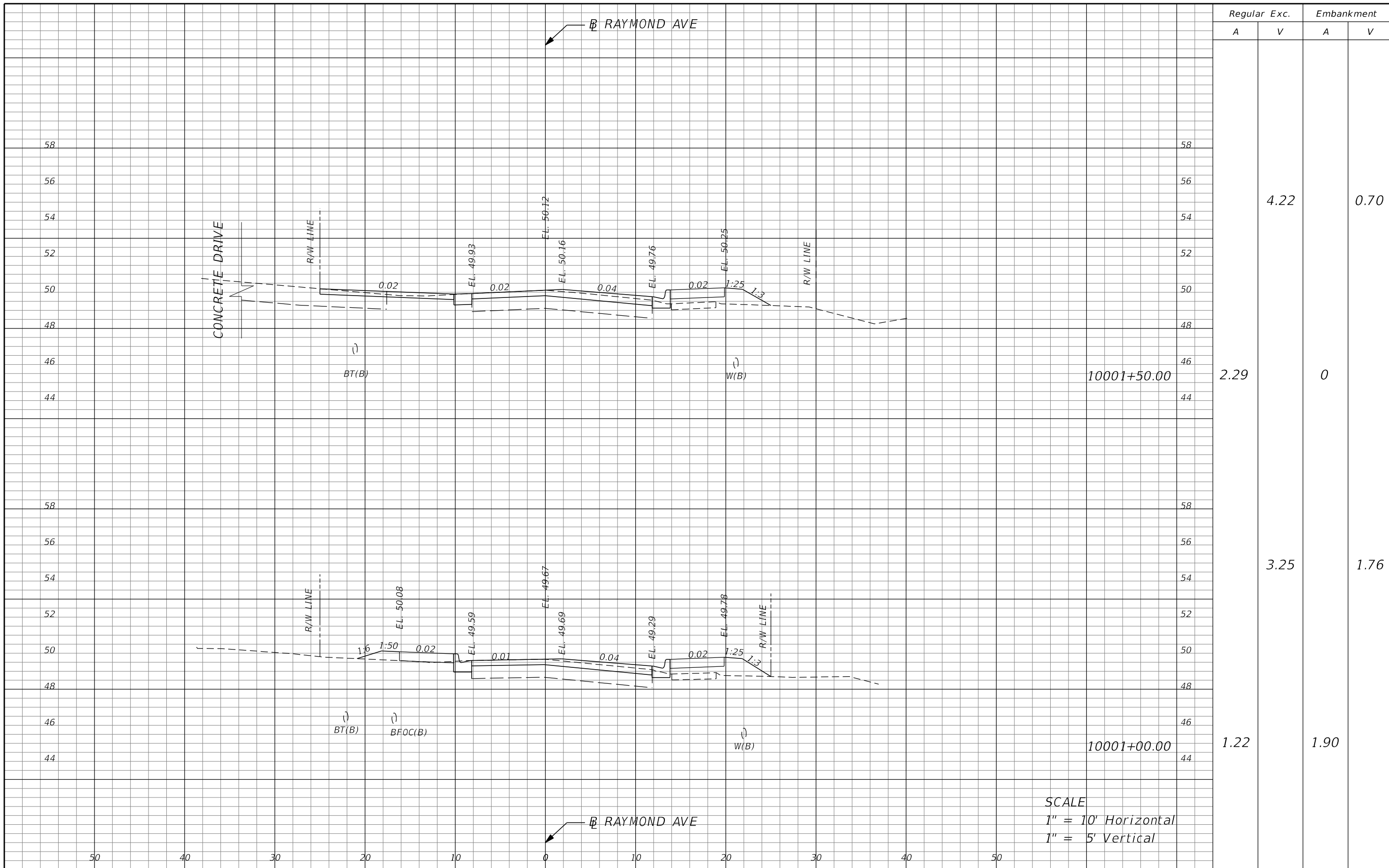
TYLER VALILA, P.E.
LICENSE NO. 90792
315 E. ROBINSON ST.
SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242

SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
ROAD COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
155

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
2.29	4.22	0	0.70		
1.22	3.25	1.90	1.76		

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

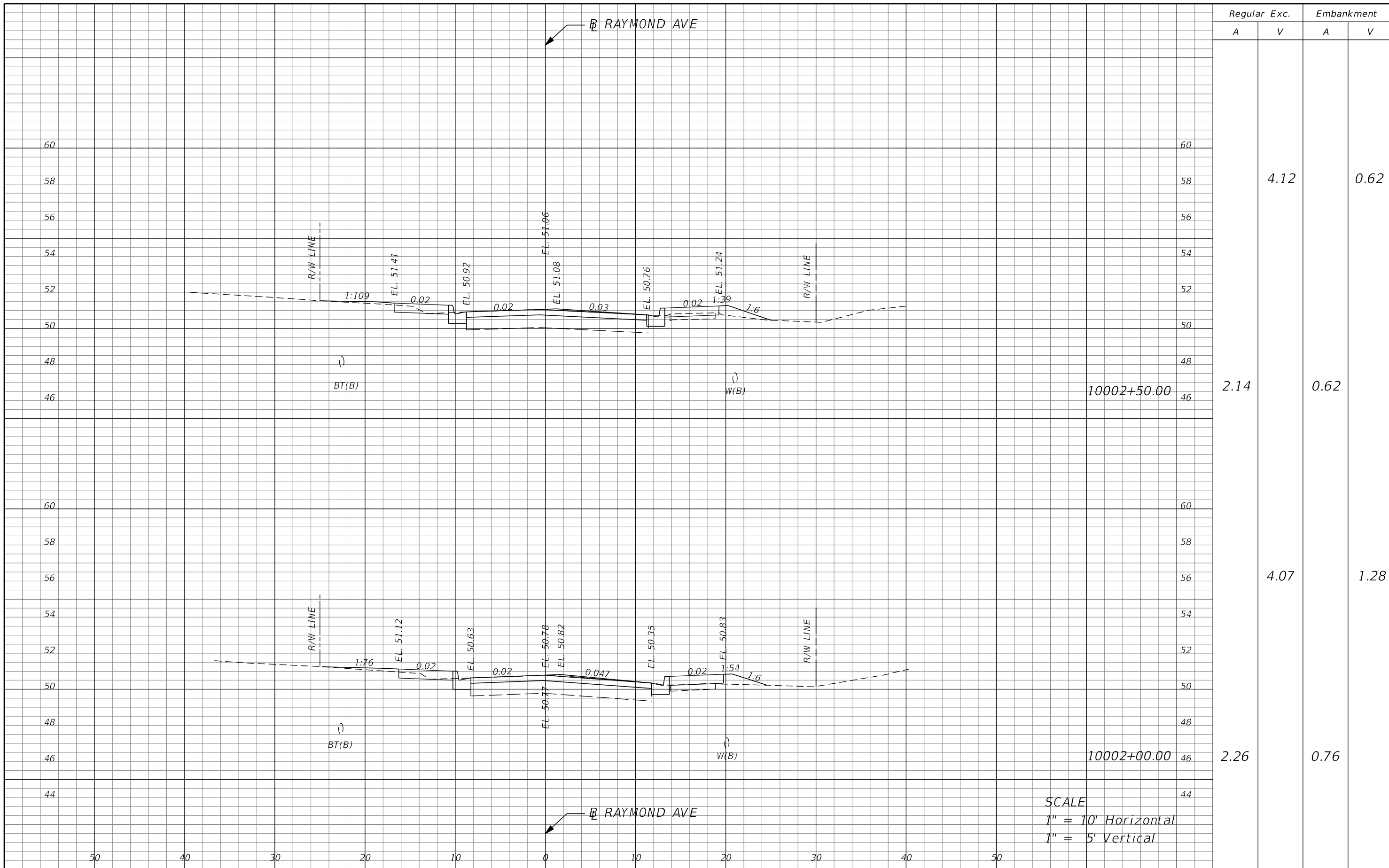


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 156

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			4.12		0.62
2.14				0.62	
			4.07		1.28
2.26				0.76	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

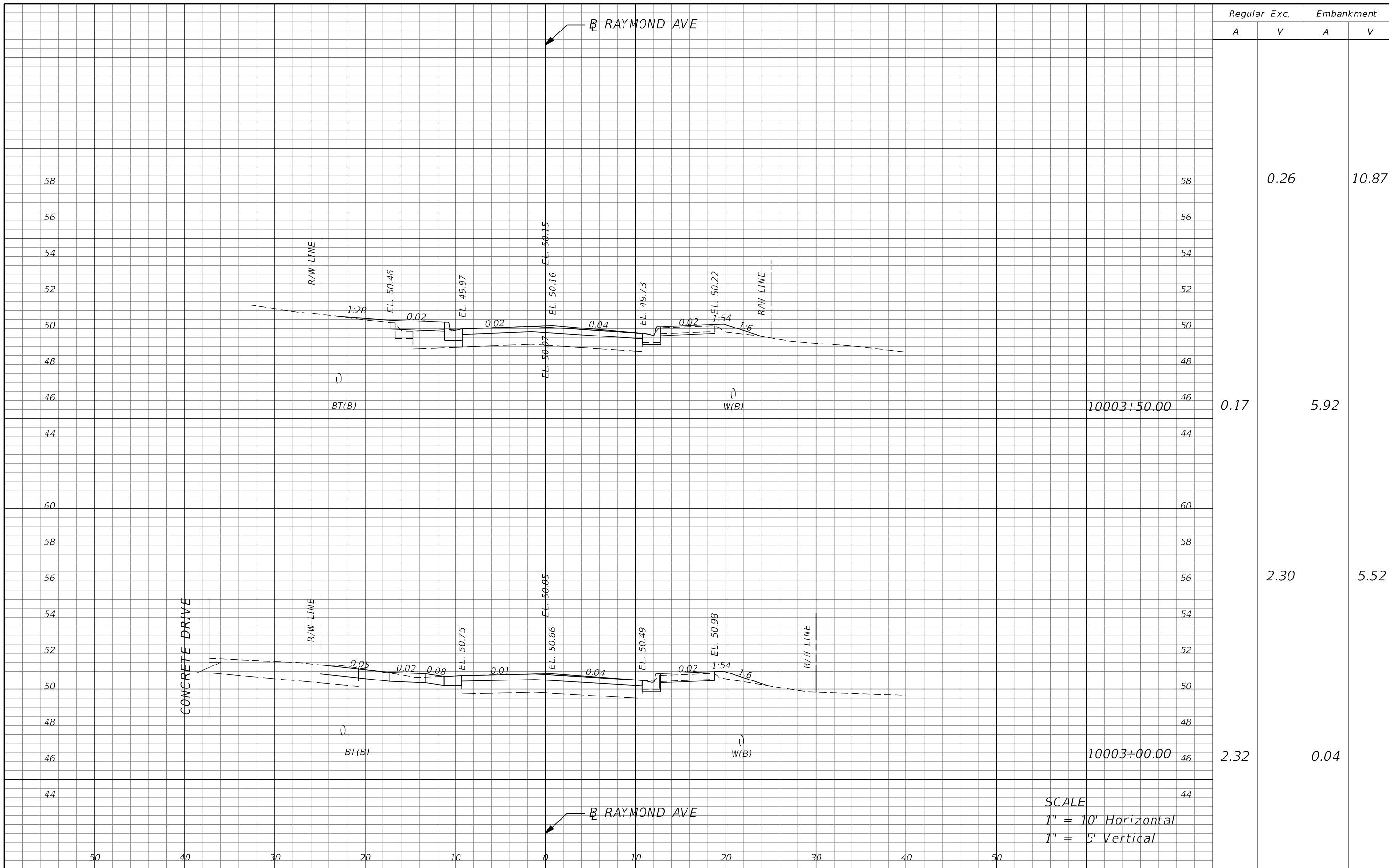


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 157

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			0.26		10.87
0.17				5.92	
			2.30		5.52
2.32				0.04	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

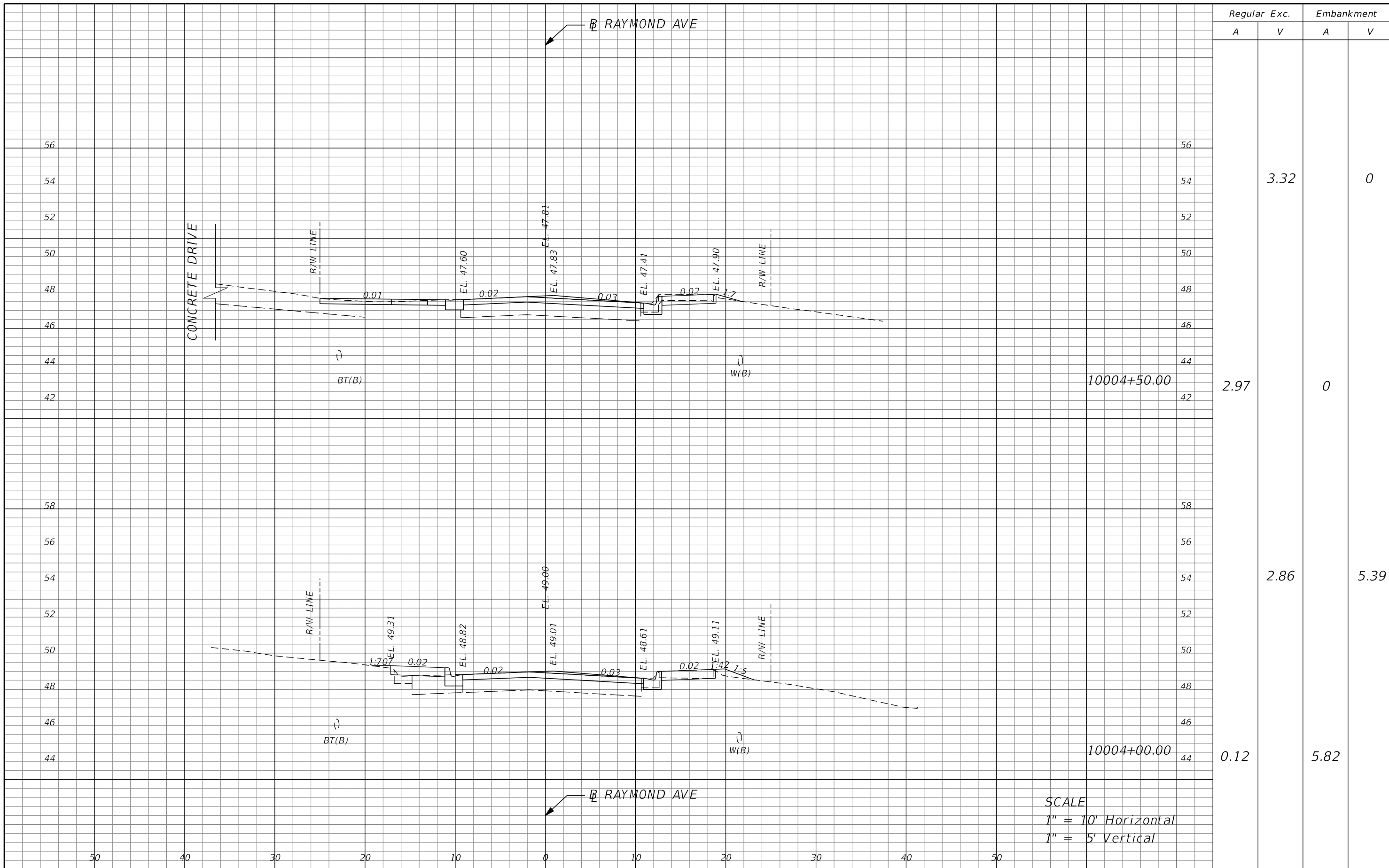


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 158

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



Regular		Exc.	Embankment	
A	V	A	V	
			3.32	0
2.97		0		
	2.86			5.39
0.12		5.82		

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
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 SUITE 400
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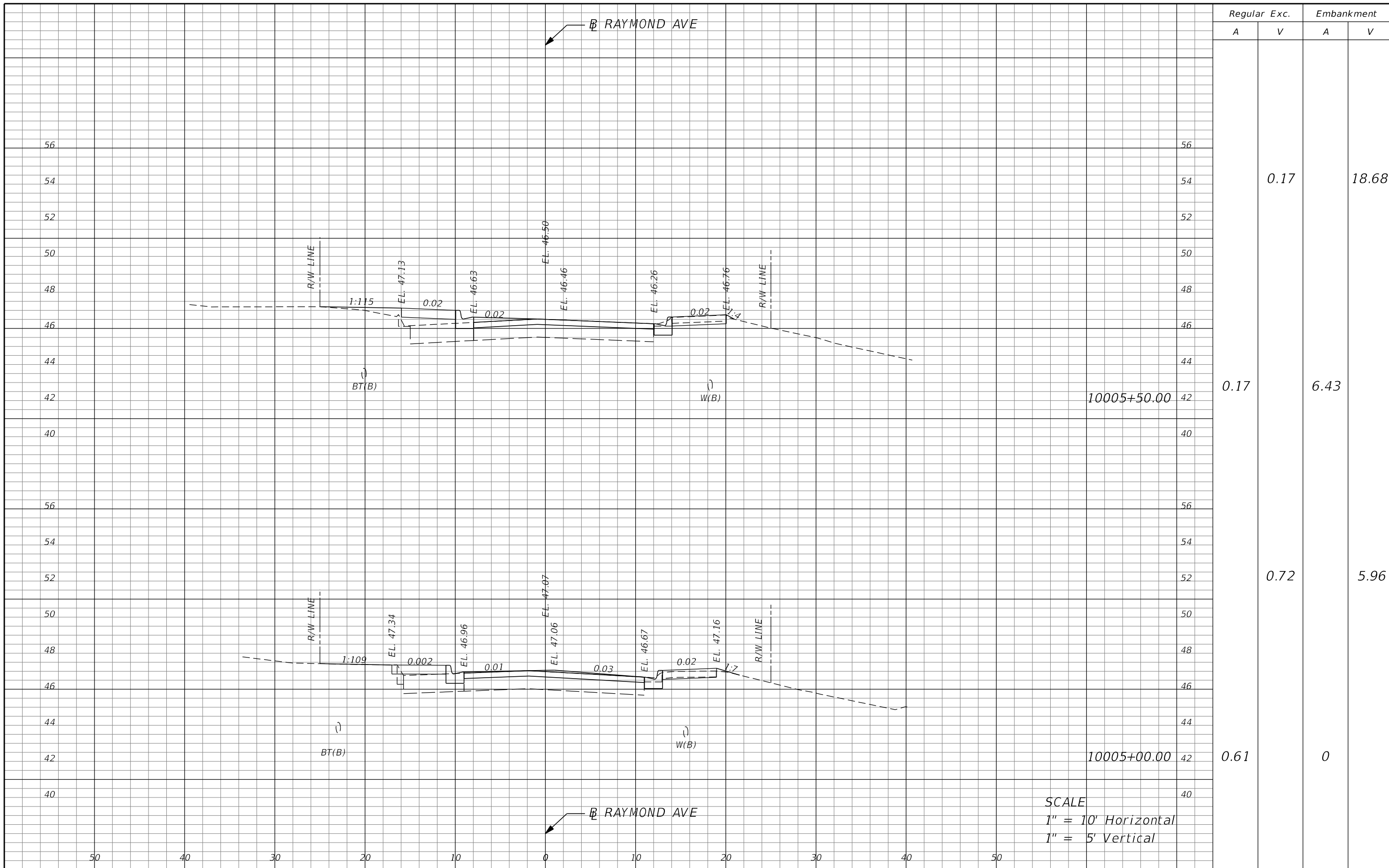


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 159

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0.17	0.17	0.17	0.17	18.68	18.68
0.17	0.17	0.17	0.17	6.43	6.43
0.61	0.61	0.61	0.61	0	0
0.72	0.72	0.72	0.72	5.96	5.96

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
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 315 E. ROBINSON ST.
 SUITE 400
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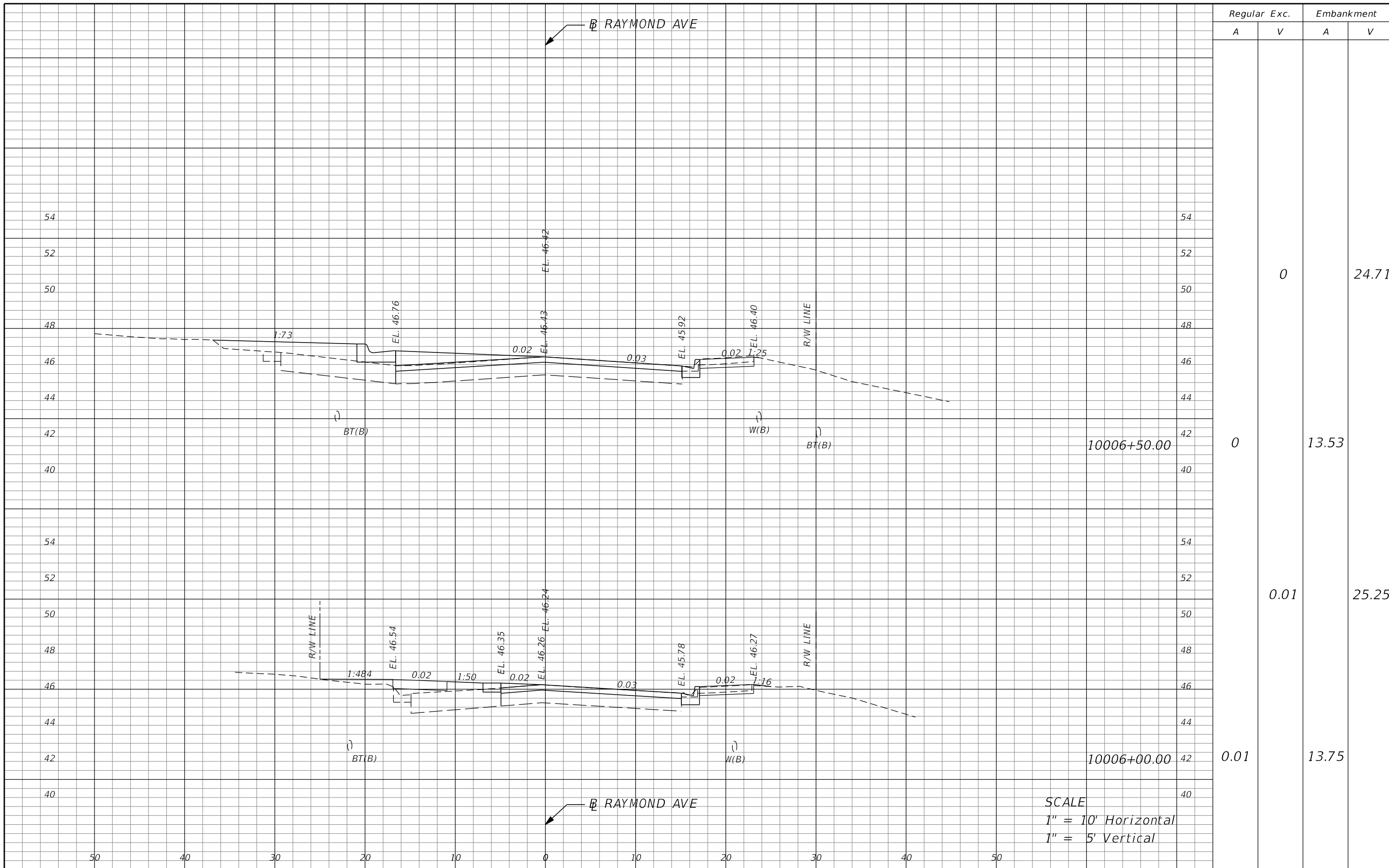


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 160

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			0		24.71
0				13.53	
			0.01		25.25
0.01				13.75	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
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 315 E. ROBINSON ST.
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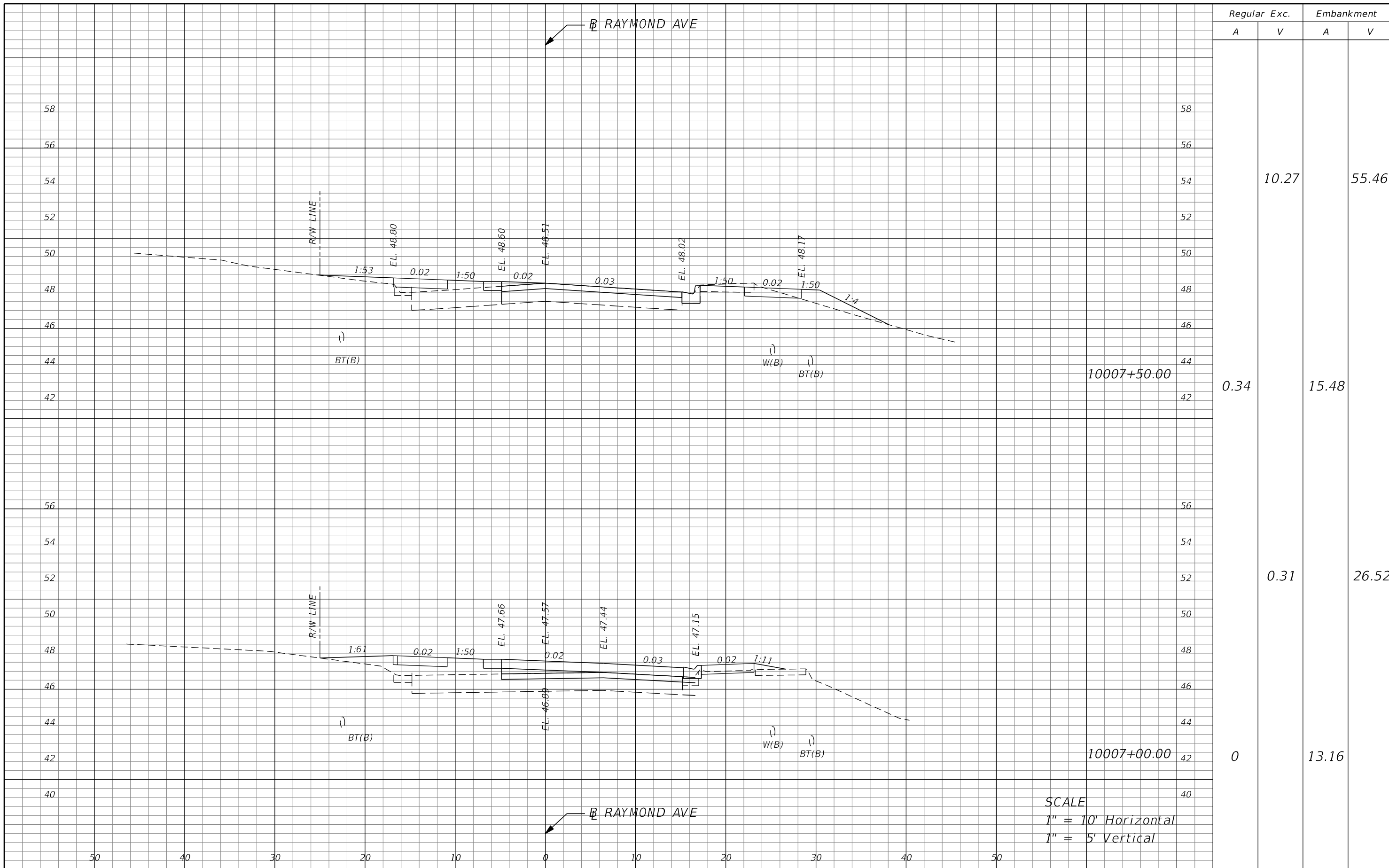


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 161

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Regular		Exc.		Embankment	
A	V	A	V	A	V
			10.27		55.46
0.34				15.48	
			0.31		26.52
0				13.16	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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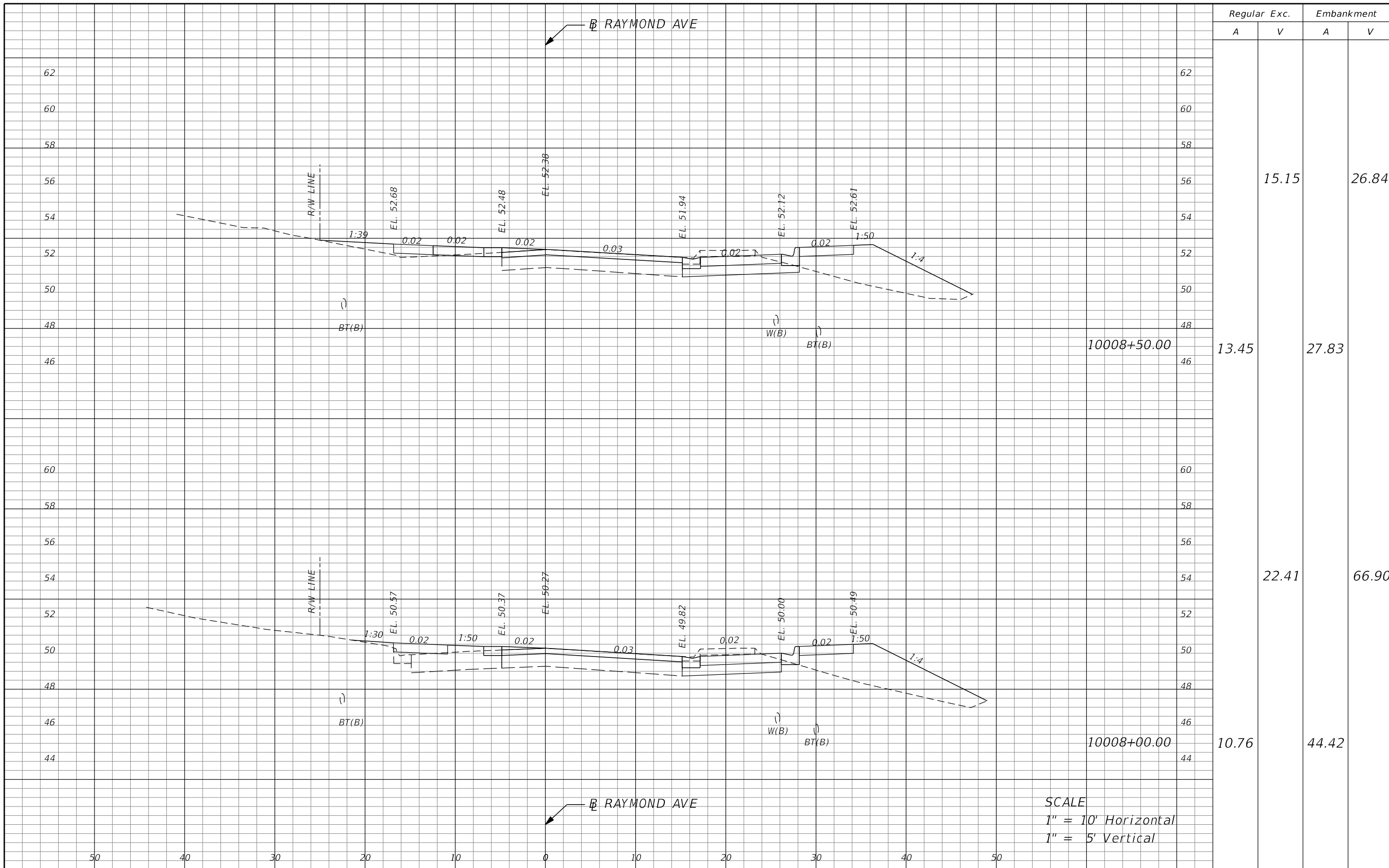


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 162

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
13.45	15.15	27.83	26.84		
10.76	22.41	44.42	66.90		

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
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 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
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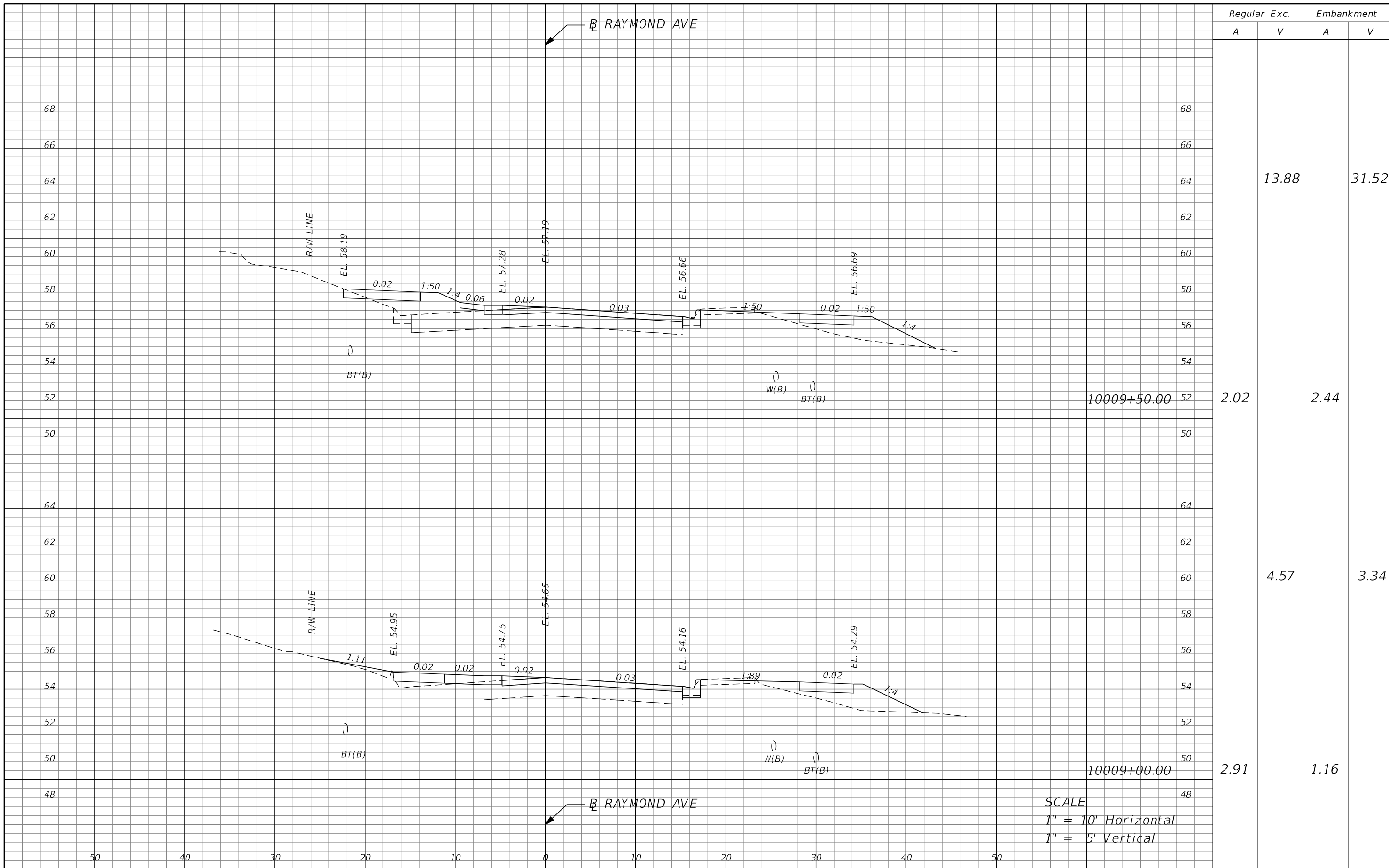


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 163

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Regular		Exc.		Embankment	
A	V	A	V	A	V
			13.88		31.52
2.02				2.44	
			4.57		3.34
2.91				1.16	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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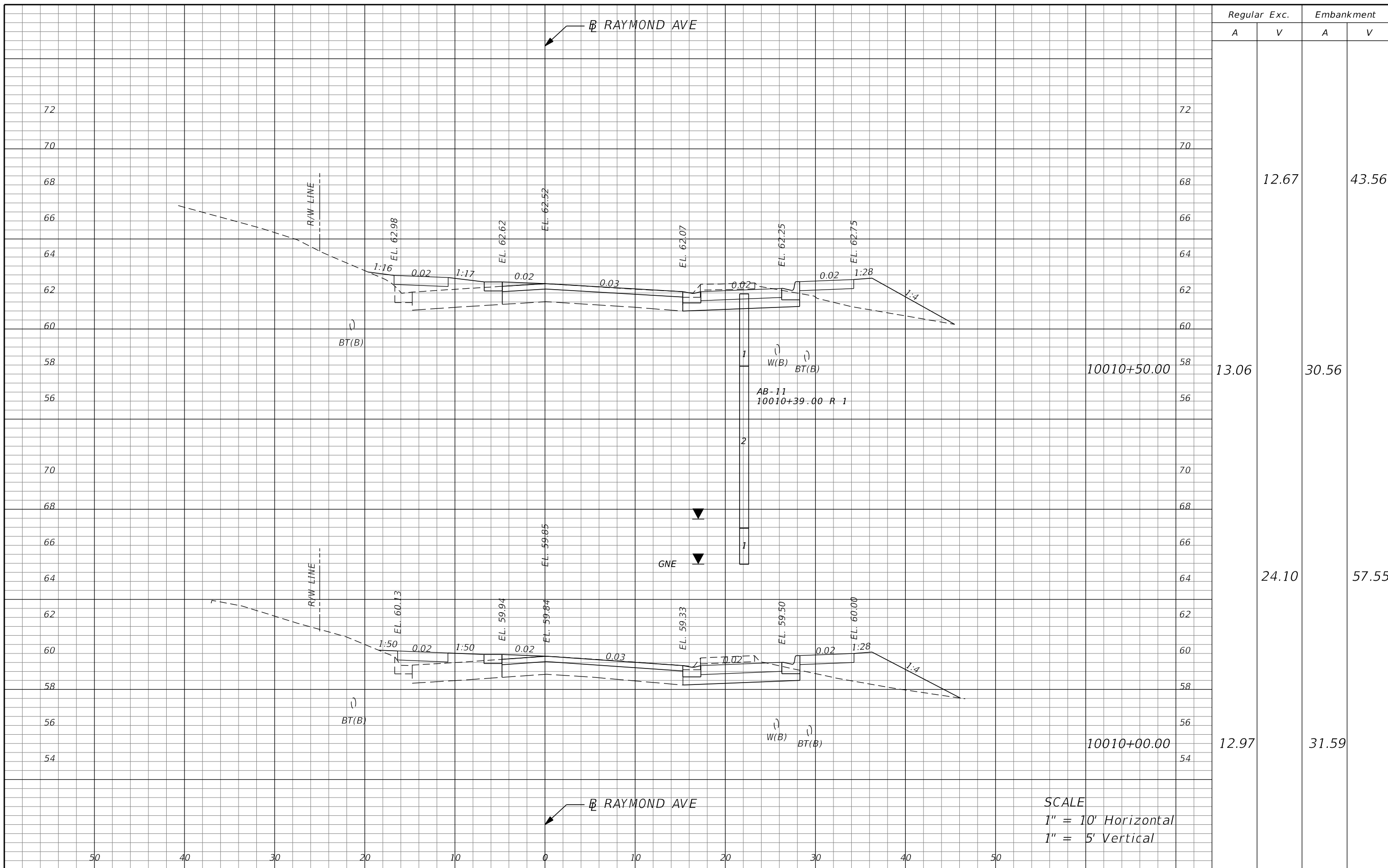


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 164

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Regular		Exc.		Embankment	
A	V	A	V	A	V
			12.67		43.56
13.06			30.56		
		24.10			57.55
12.97			31.59		

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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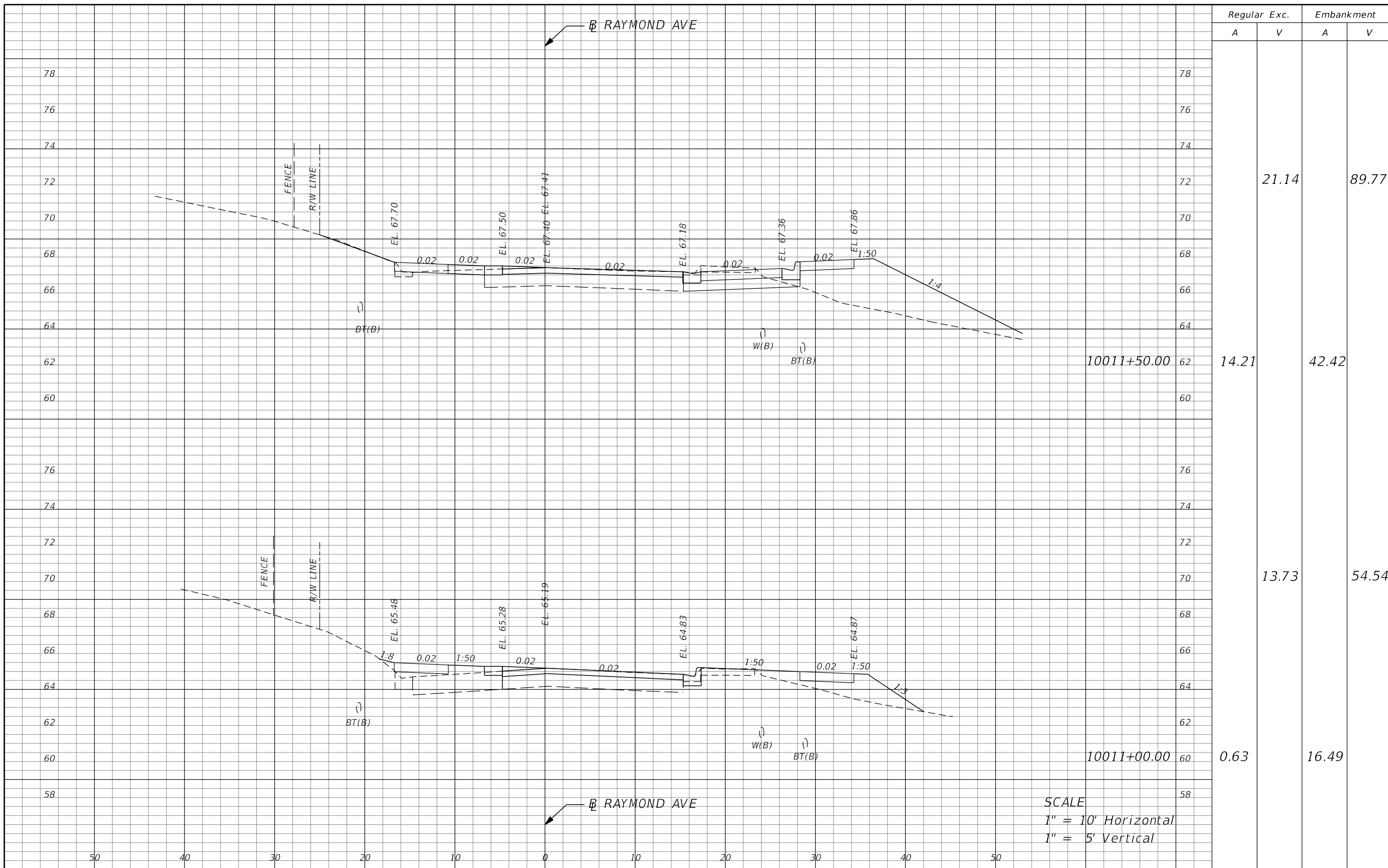


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 165

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Regular		Exc.		Embankment	
A	V	A	V	A	V
			21.14		89.77
14.21				42.42	
			13.73		54.54
0.63				16.49	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

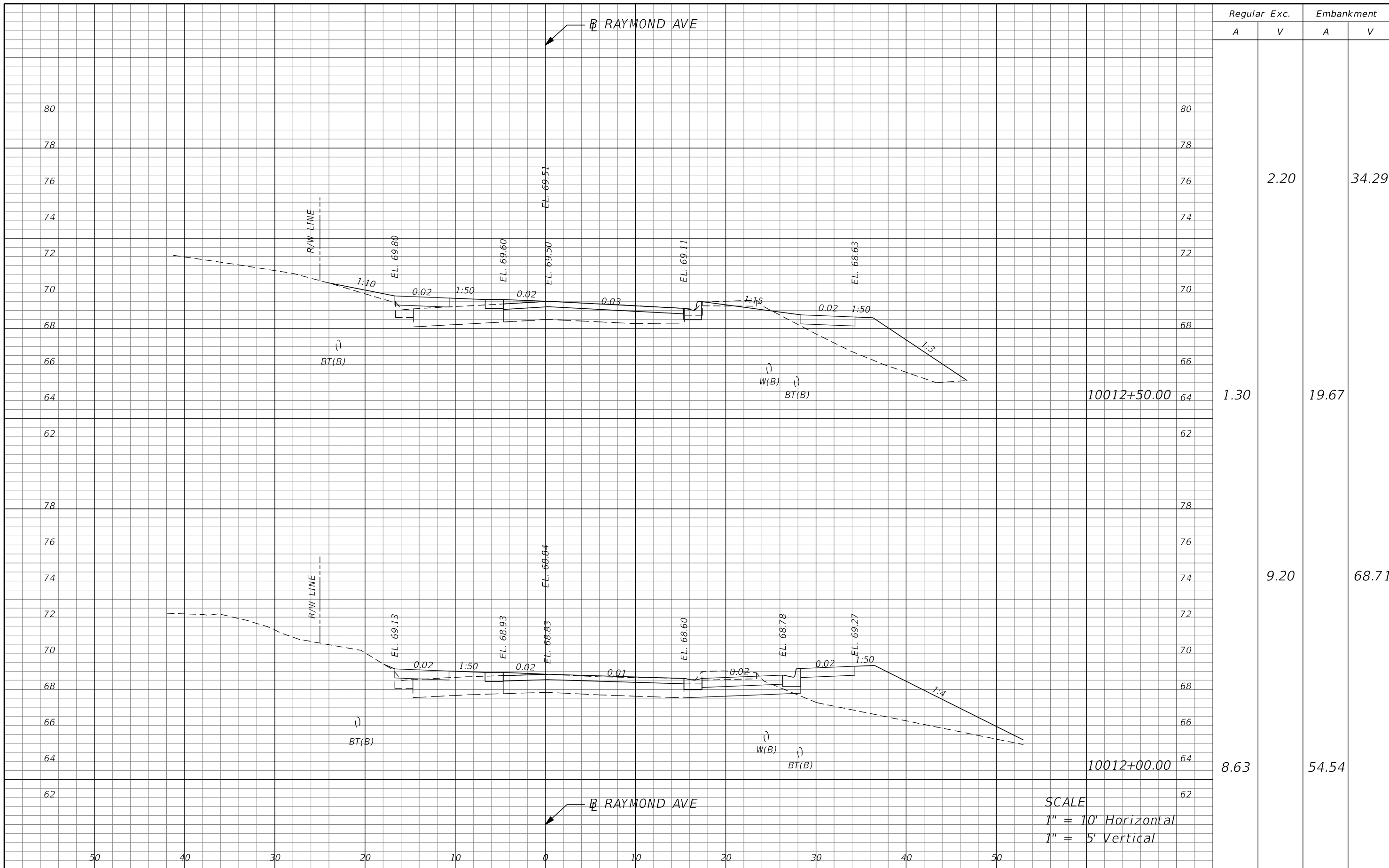


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 166

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



Regular Exc.		Embankment	
A	V	A	V
	2.20		34.29
1.30		19.67	
	9.20		68.71
8.63		54.54	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

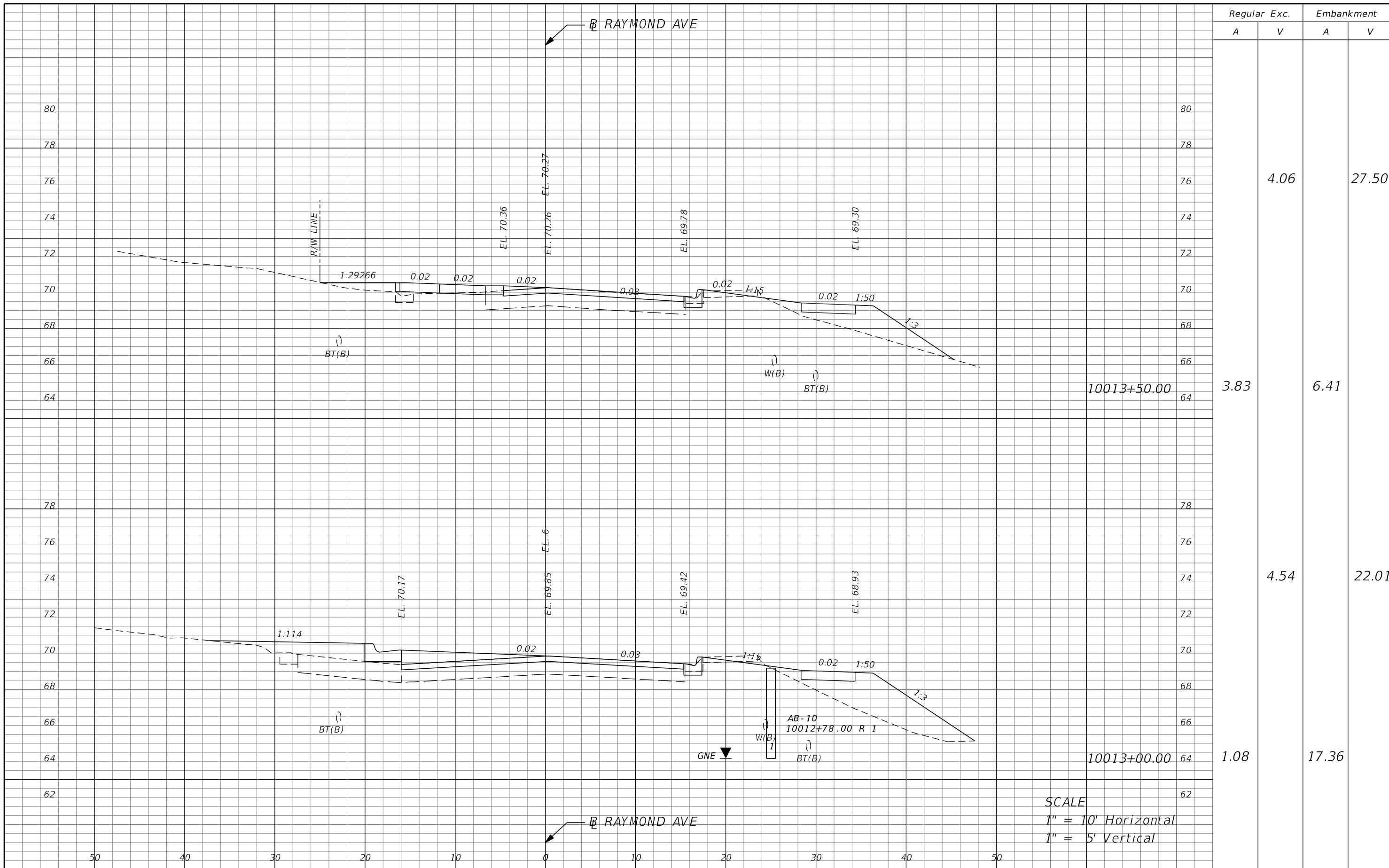


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 167

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			4.06		27.50
3.83				6.41	
		4.54			22.01
1.08				17.36	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

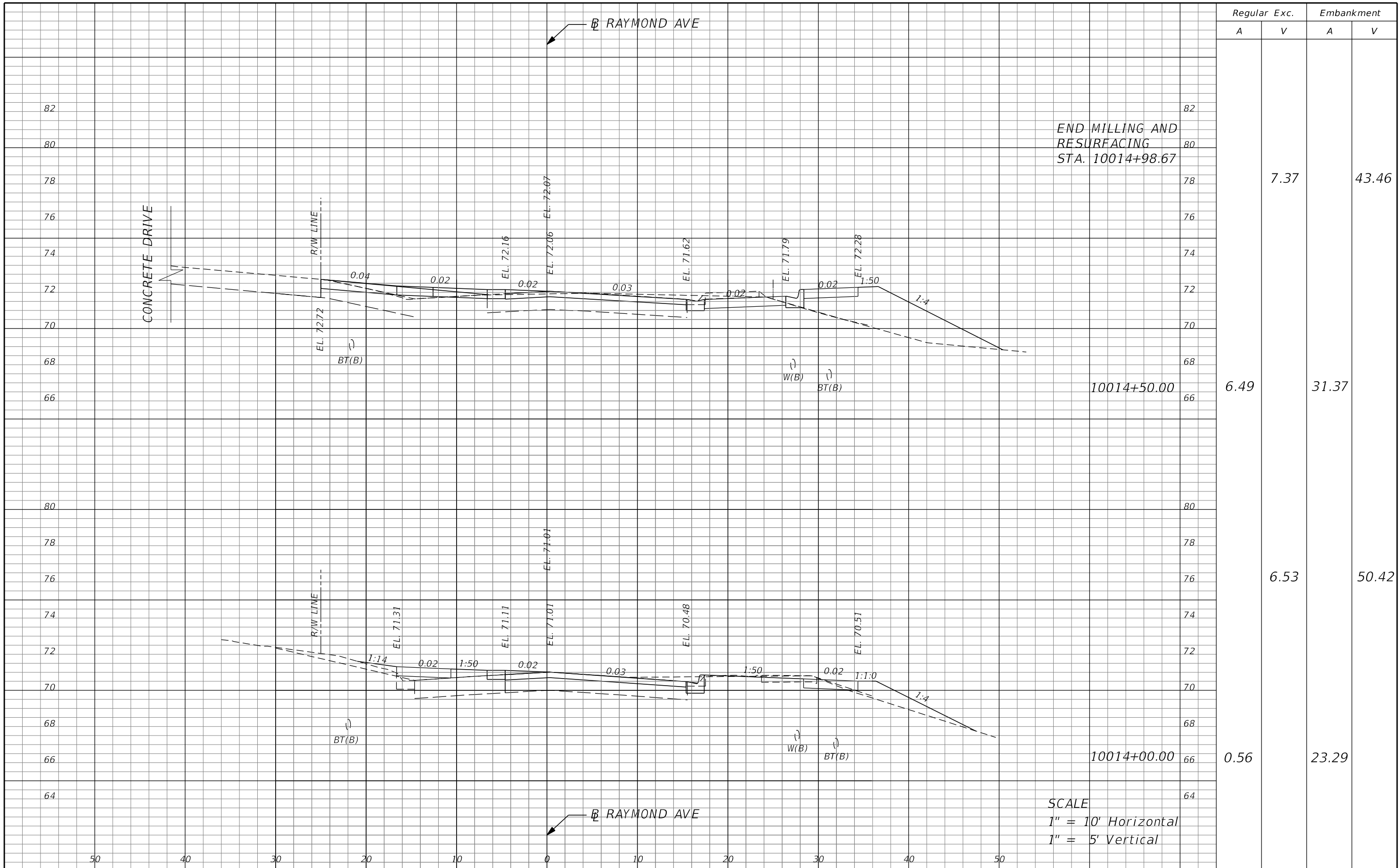


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 168

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			7.37		43.46
6.49		31.37			
0.56		23.29			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER J. VALILA, P.E. LICENSE No. 90792
 315 E. ROBINSON ST. SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



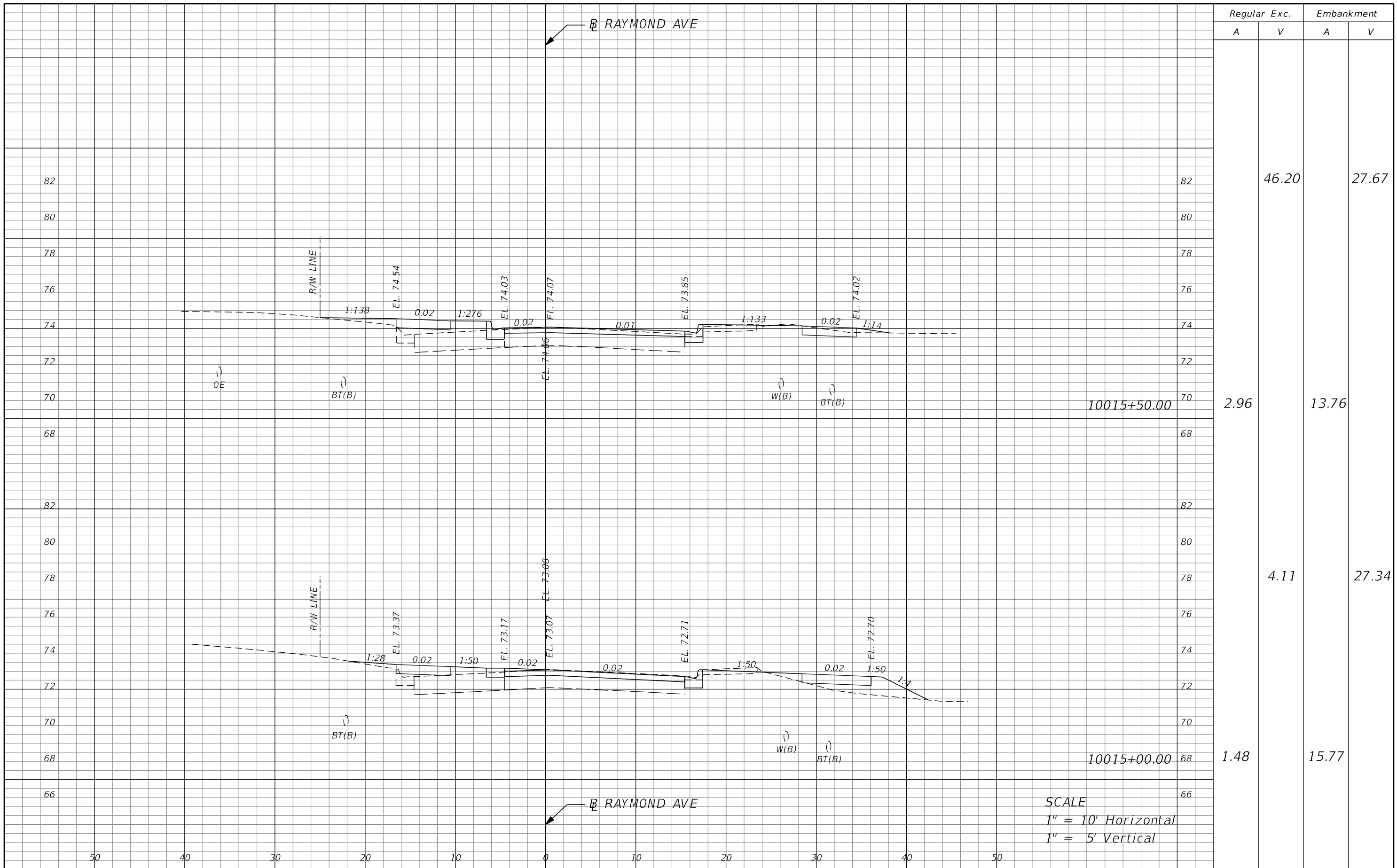
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

CROSS SECTIONS

SHEET NO.
 169

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



Regular Exc.		Embankment	
A	V	A	V
	46.20		27.67
2.96		13.76	
	4.11		27.34
1.48		15.77	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

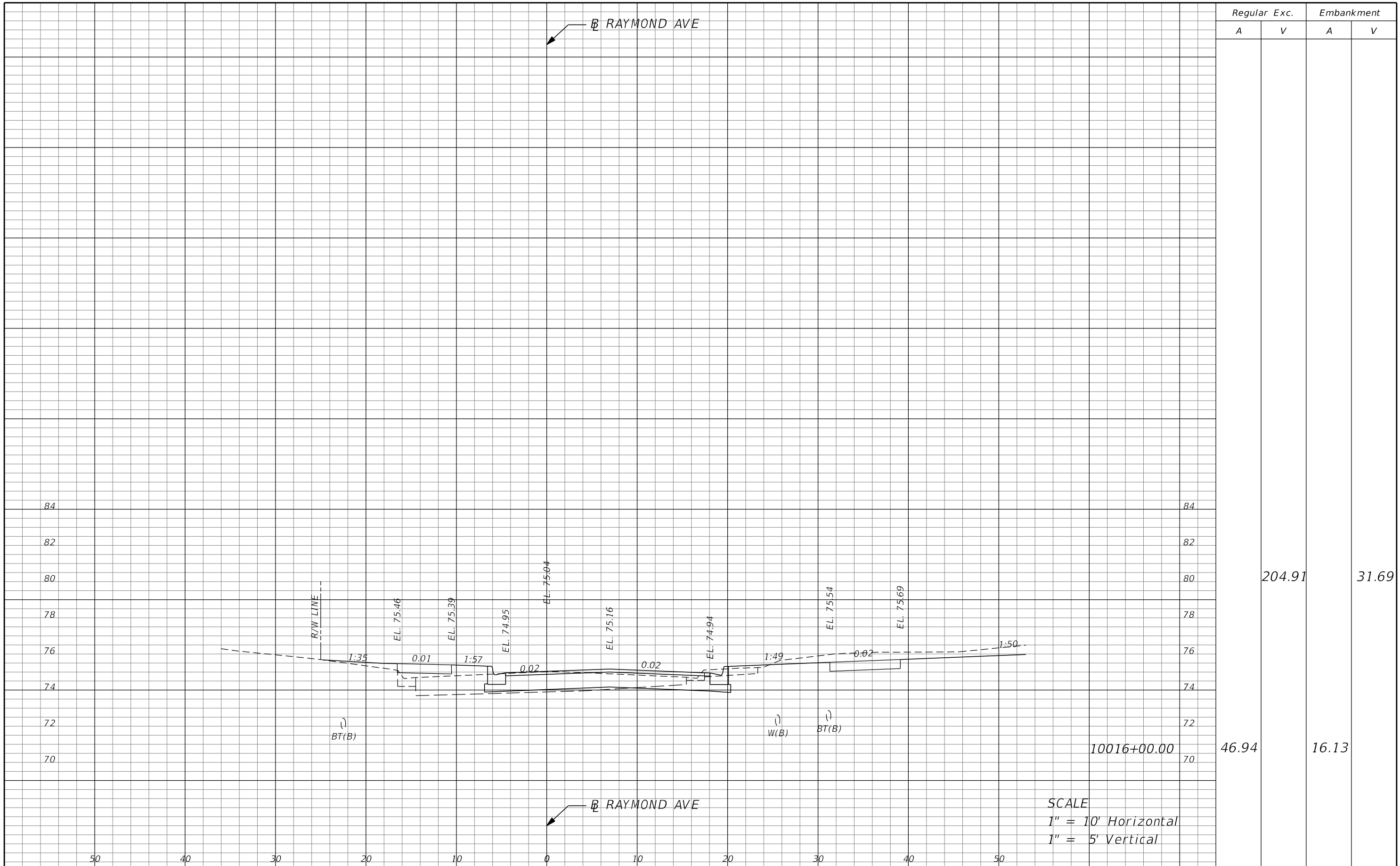


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 170

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

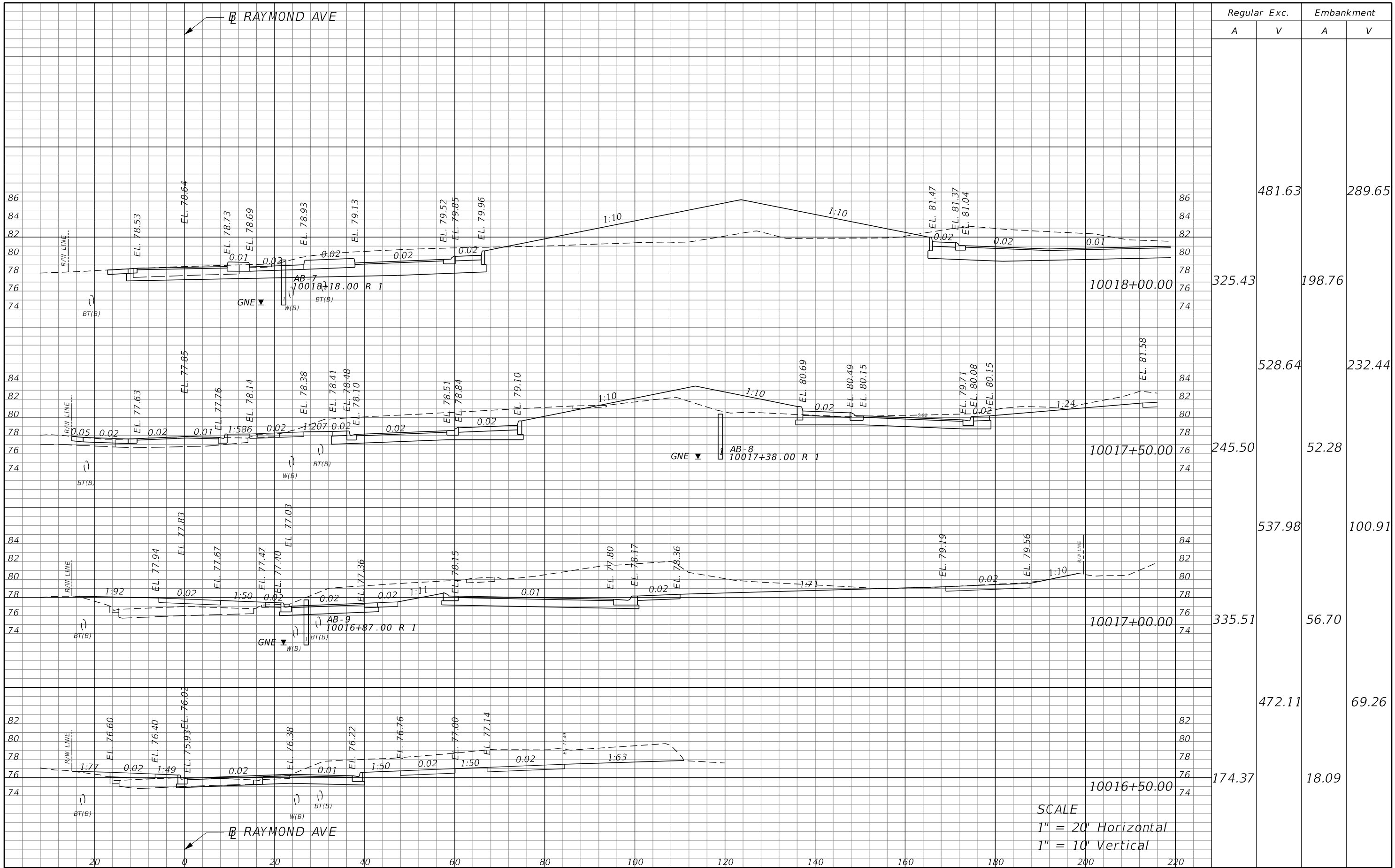
TYLER VALILA, P.E.
 LICENSE NO. 90792
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 SUITE 400
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

SHEET NO.
 171

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			481.63		289.65
325.43		198.76			
		528.64			232.44
245.50		52.28			
		537.98			100.91
335.51		56.70			
		472.11			69.26
174.37		18.09			

SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

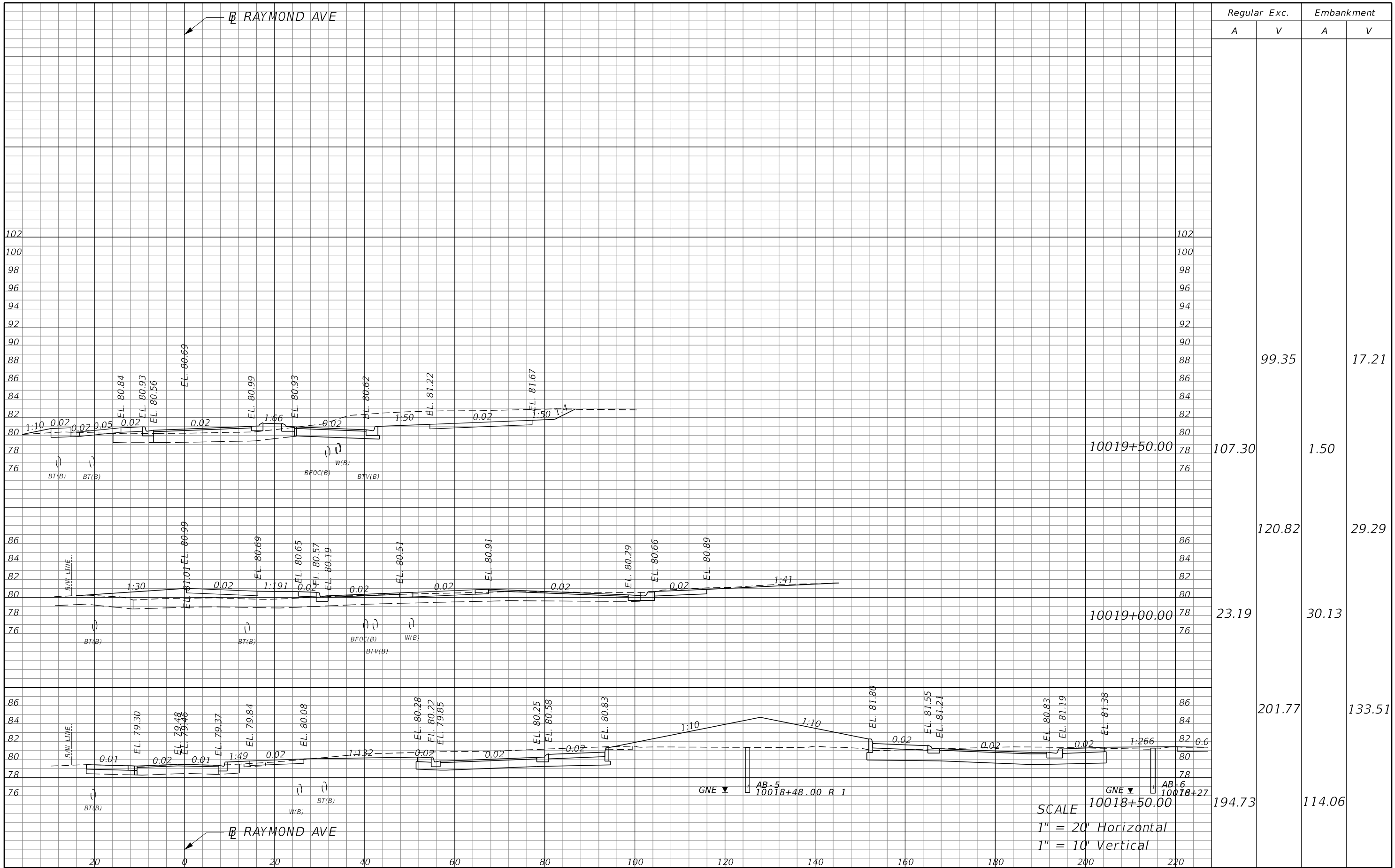


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 172

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			99.35		17.21
107.30		1.50			
		120.82			29.29
23.19		30.13			
		201.77			133.51
194.73		114.06			

SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
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 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

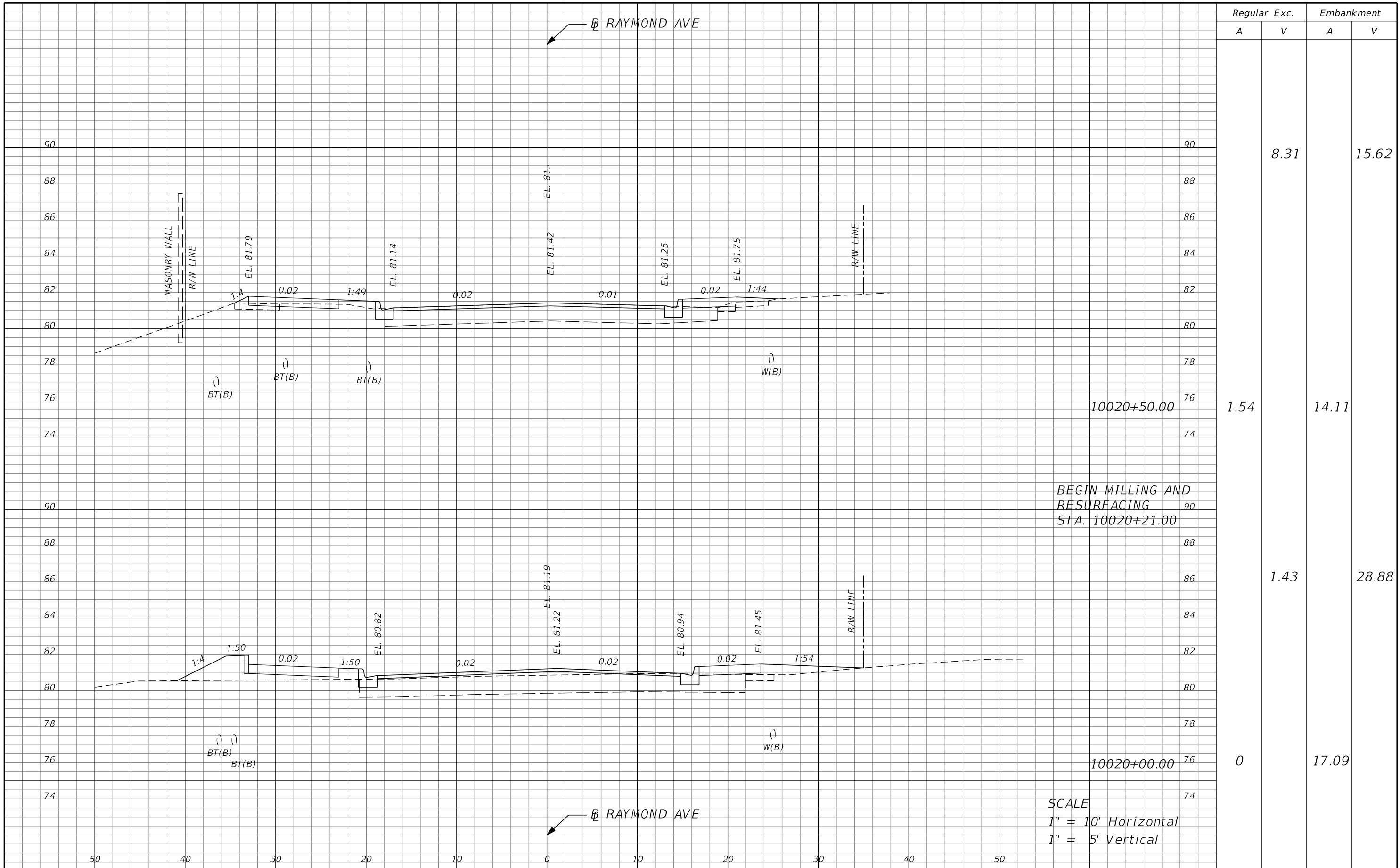


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 173

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER J. VALILA, P.E. LICENSE No. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



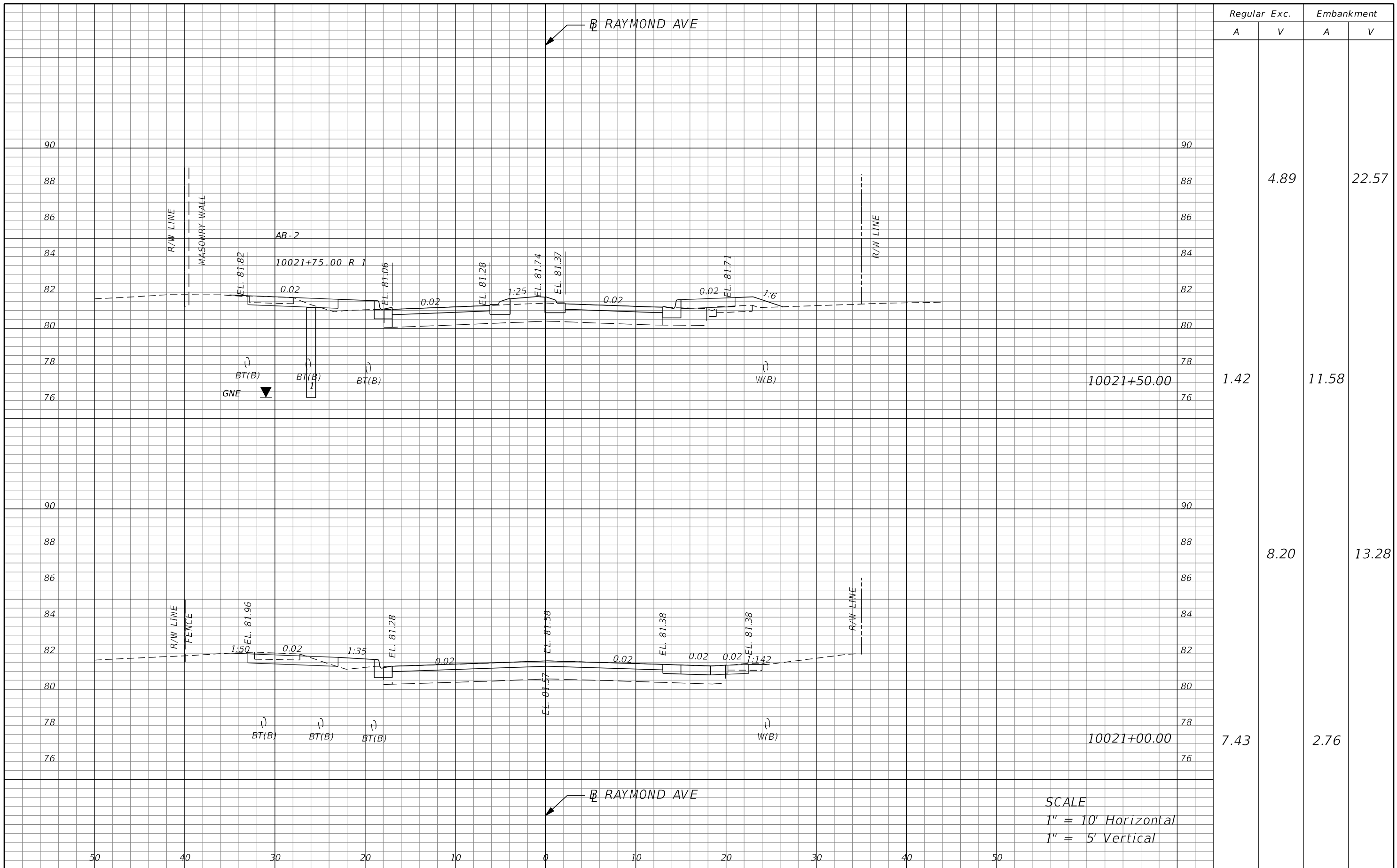
SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

CROSS SECTIONS

SHEET NO.
174

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
	4.89			22.57	
1.42				11.58	
	8.20			13.28	
7.43				2.76	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

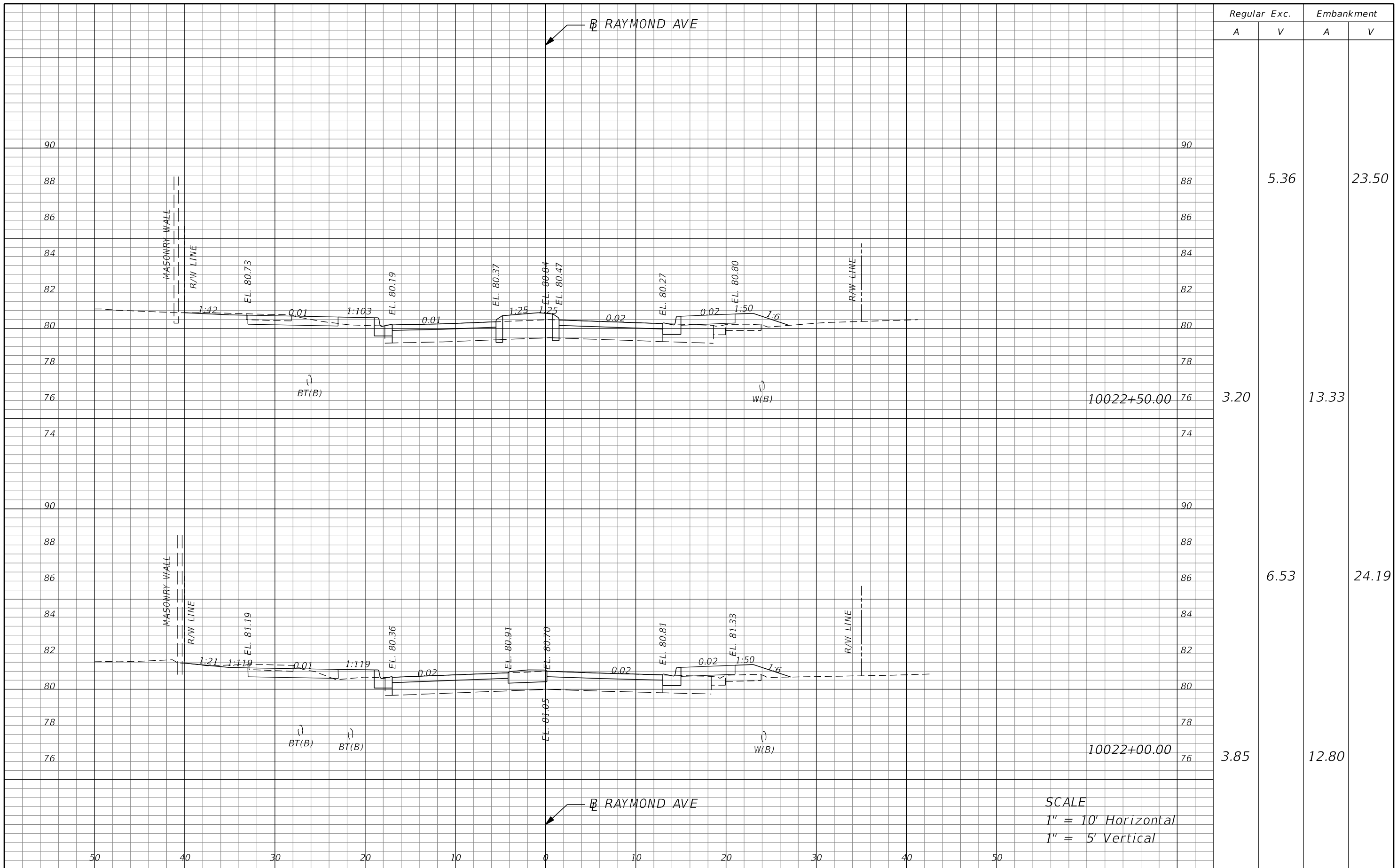
TYLER VALILA, P.E.
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
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 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 175

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Regular		Exc.		Embankment	
A	V	A	V	A	V
			5.36		23.50
3.20				13.33	
			6.53		24.19
3.85				12.80	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
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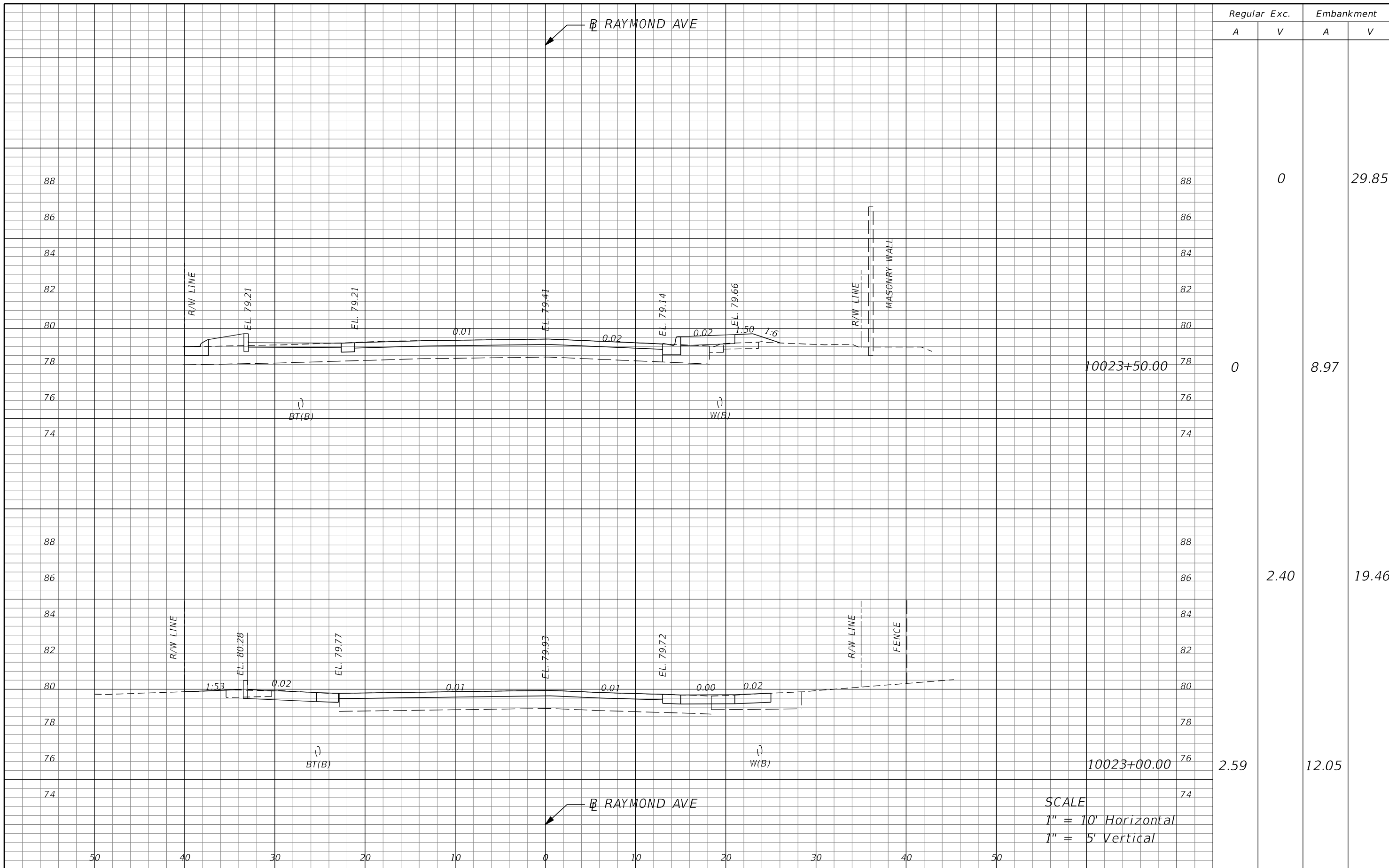
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

CROSS SECTIONS

SHEET NO.
 176

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0	0	0	0	29.85	
0		8.97			
2.59	2.40	12.05		19.46	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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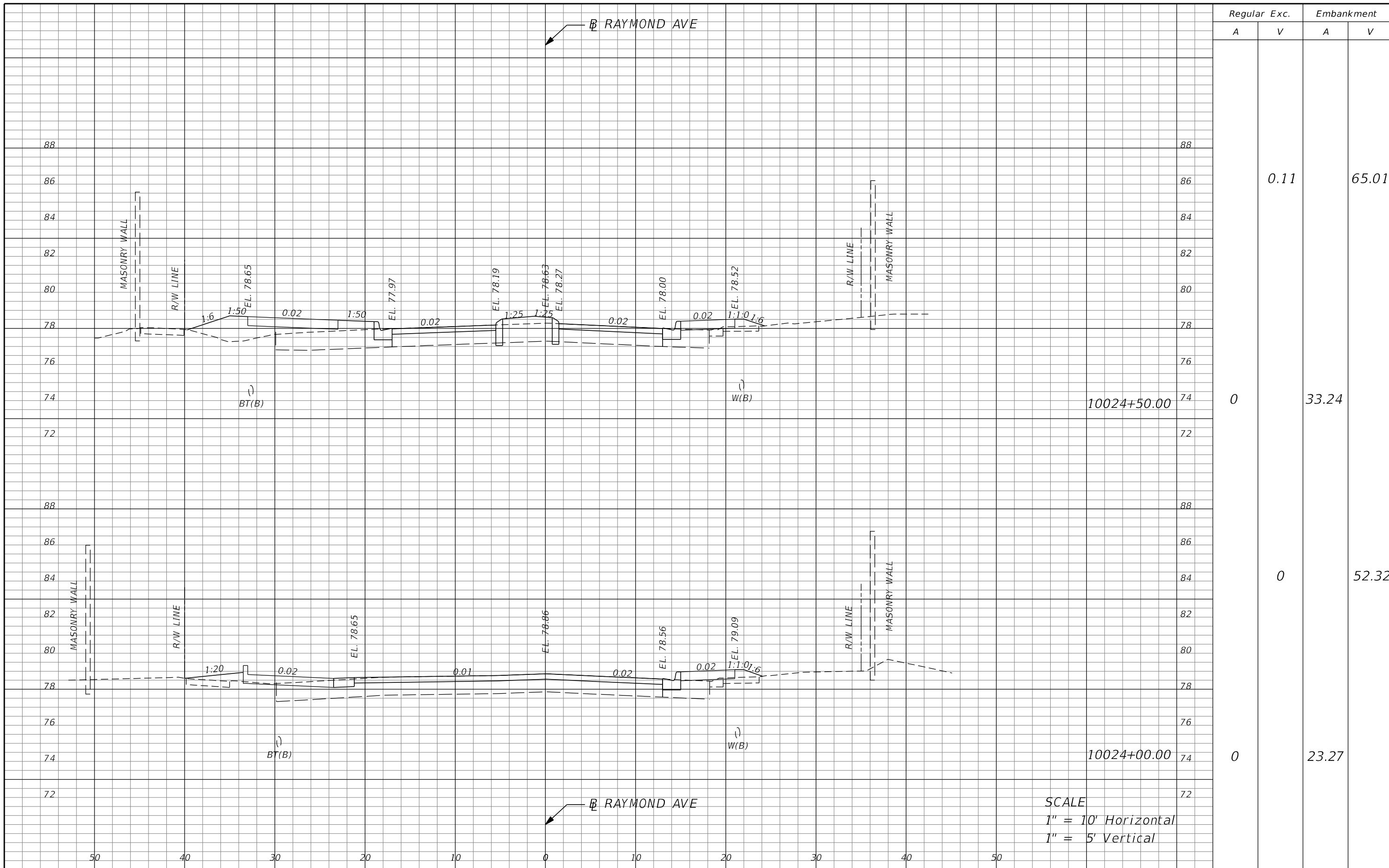


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
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 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 177

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0	0.11	0	0	33.24	65.01
0	0	0	0	23.27	52.32

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 LICENSE NO. 90792
 315 E. ROBINSON ST.
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 FAX 407.420.4242

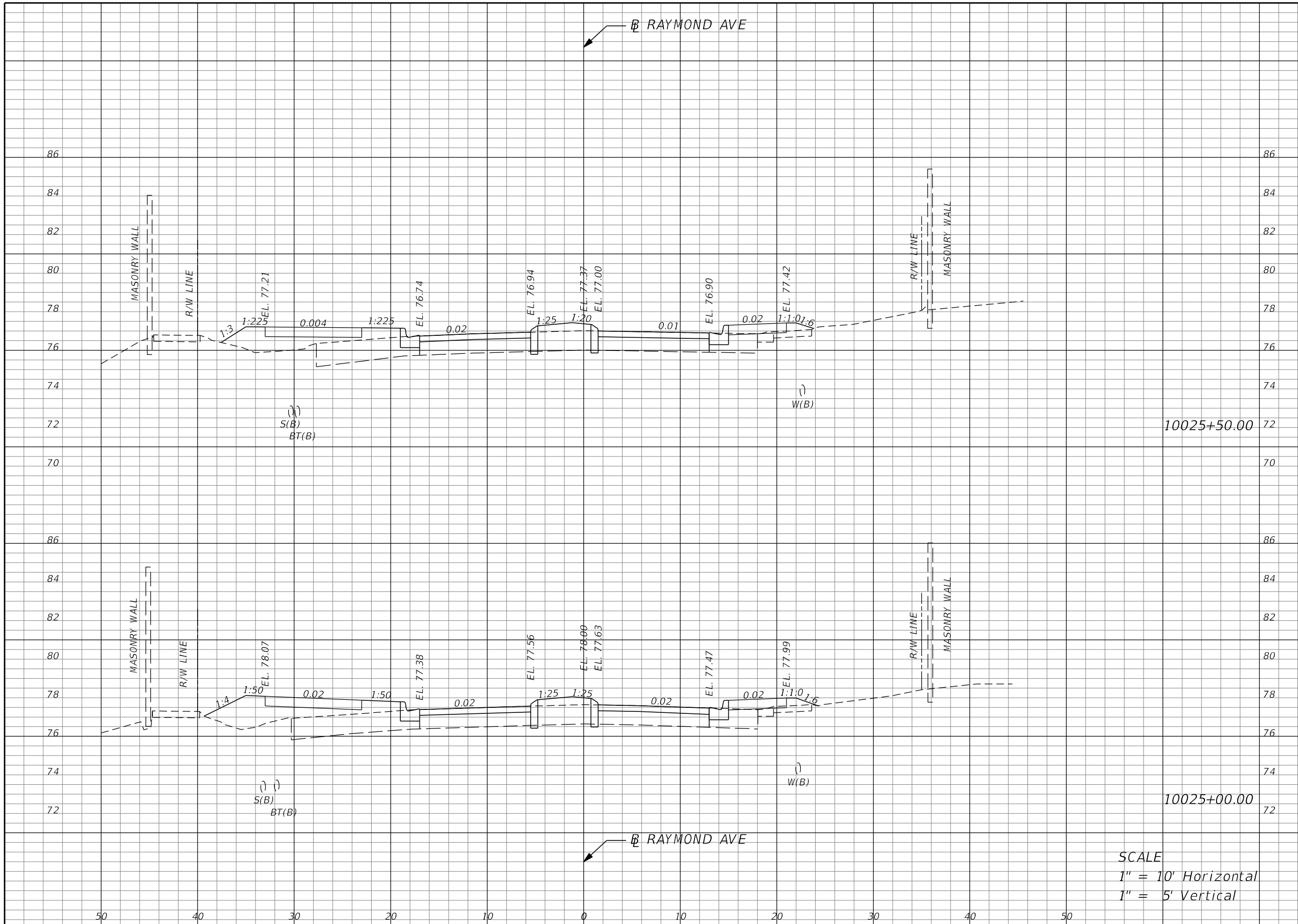


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 178

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			0		61.17
		0		31.39	
			0.11		63.30
		0.12		36.97	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

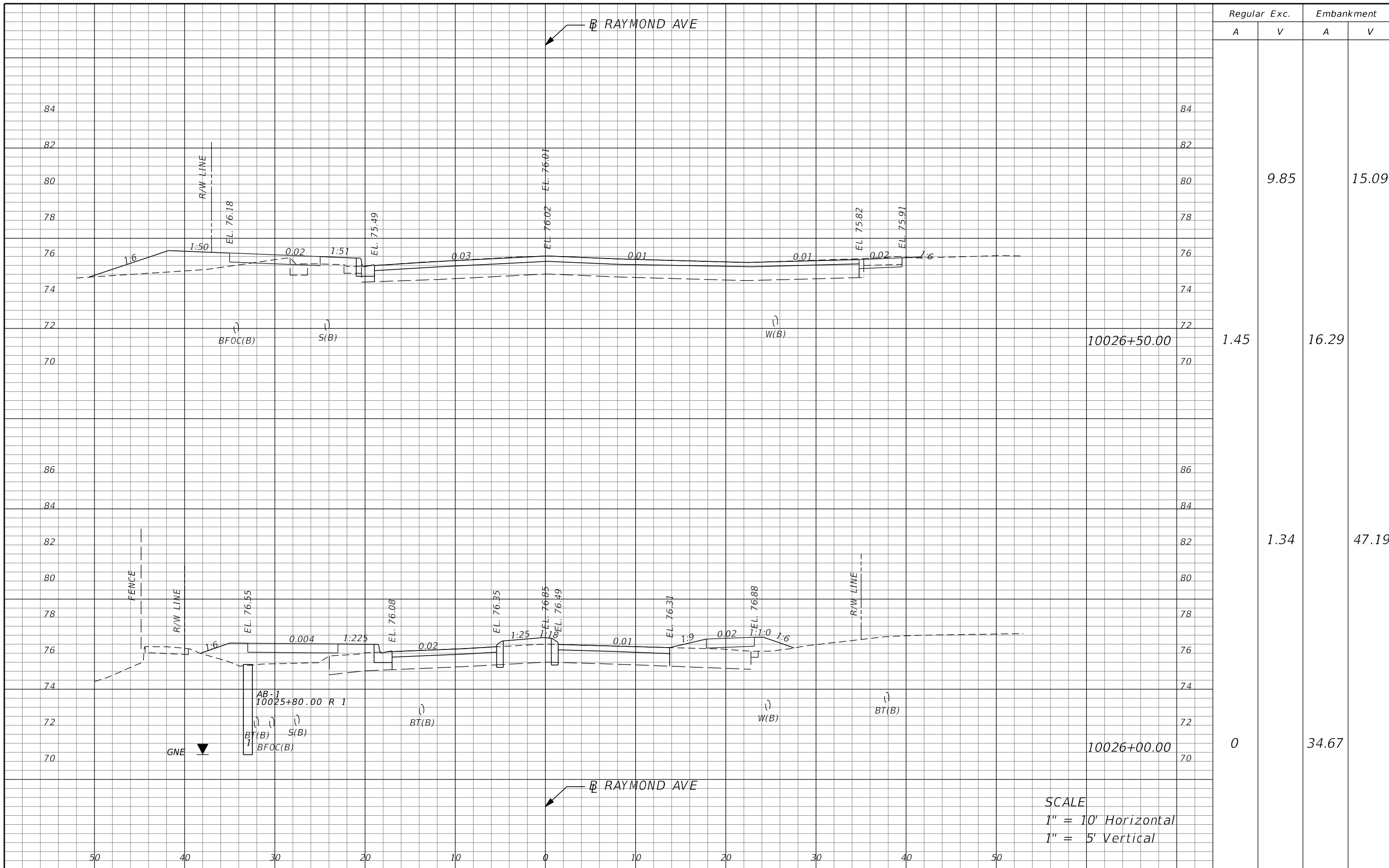


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 179

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			9.85		15.09
1.45				16.29	
			1.34		47.19
0				34.67	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

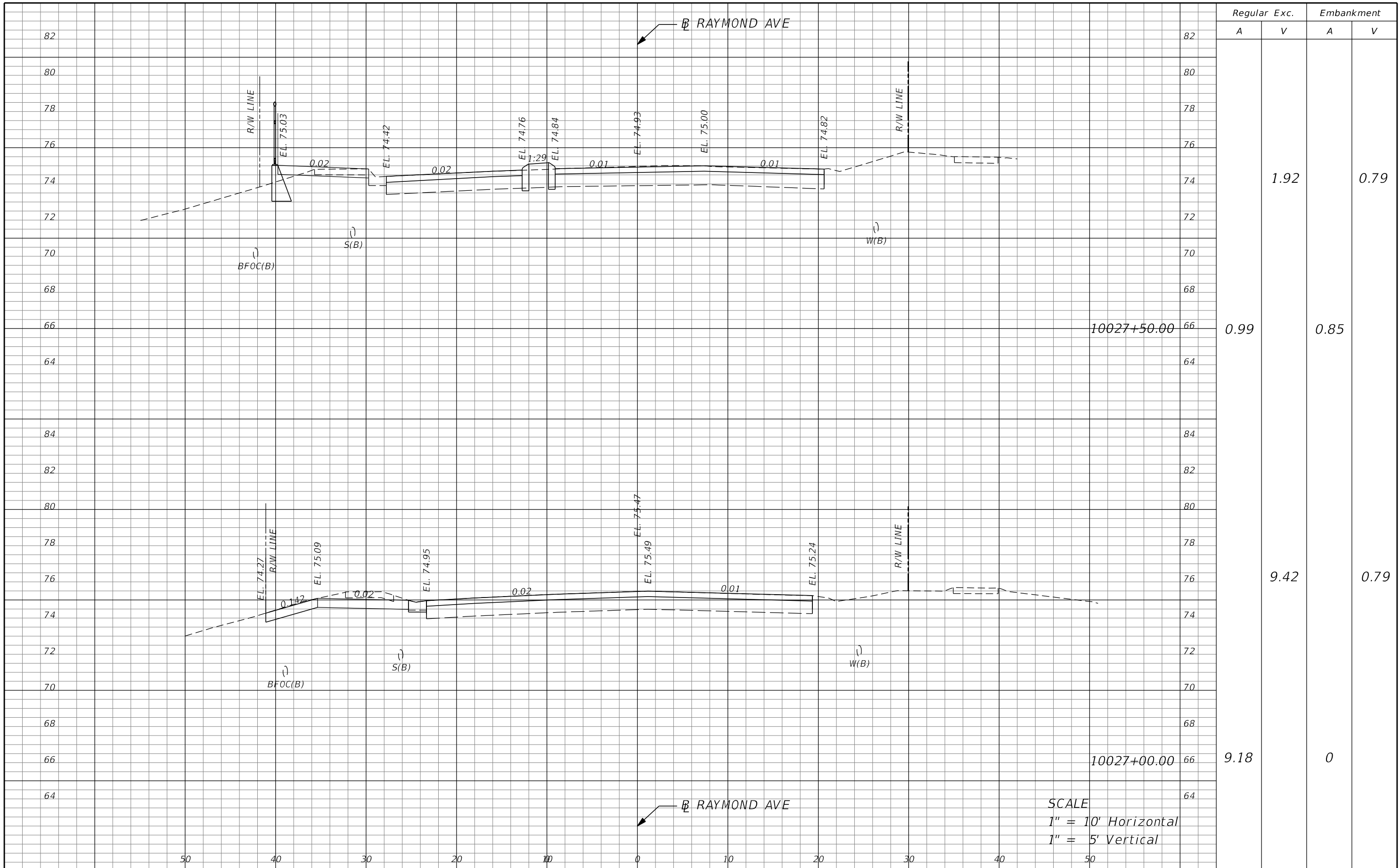


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 180

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0.99	1.92	0.85	0.79		
9.18	9.42	0	0.79		

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER J. VALILA, P.E.
 LICENSE No. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

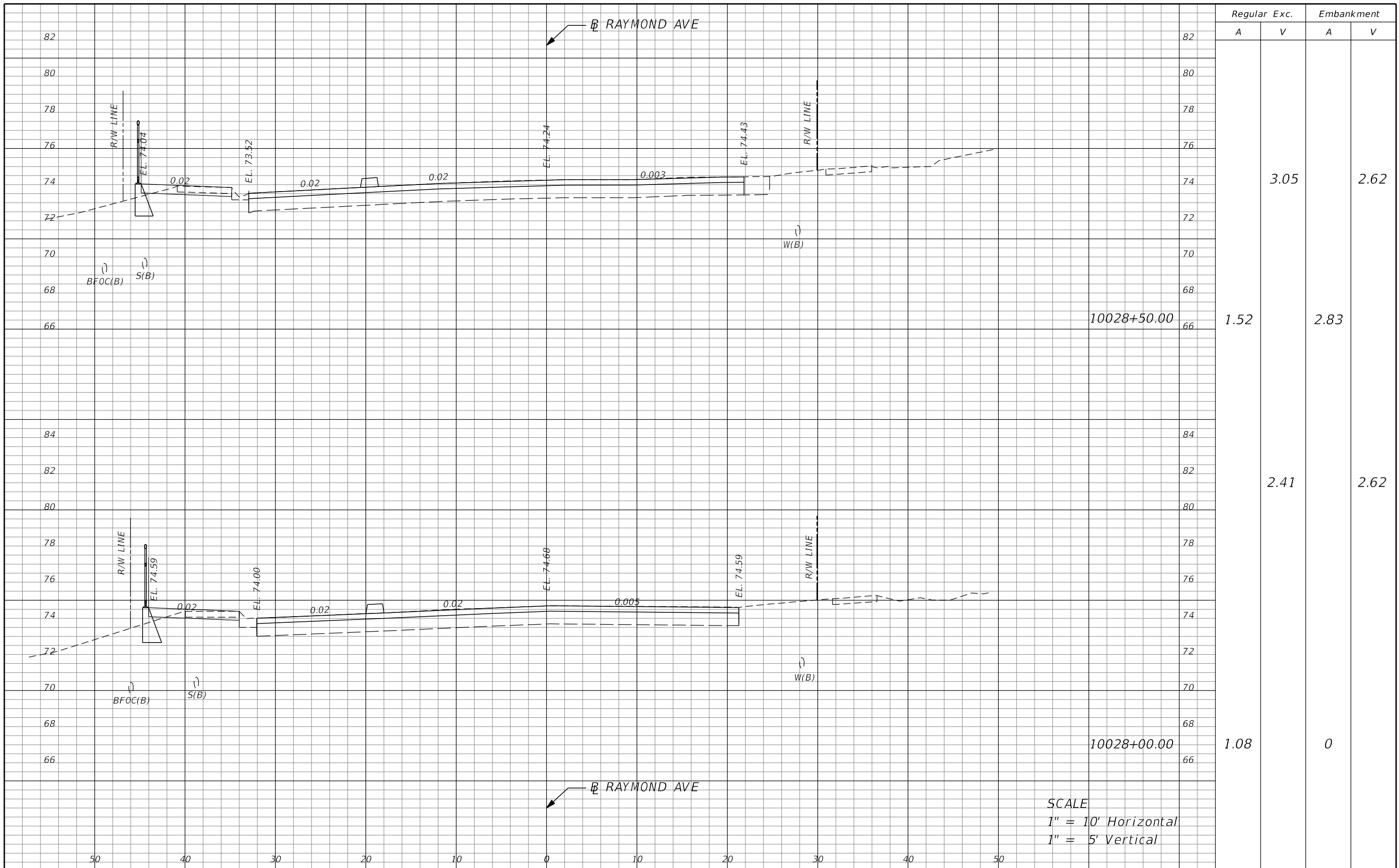


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 181

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
1.52	3.05	2.83			2.62
	2.41				2.62
1.08		0			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

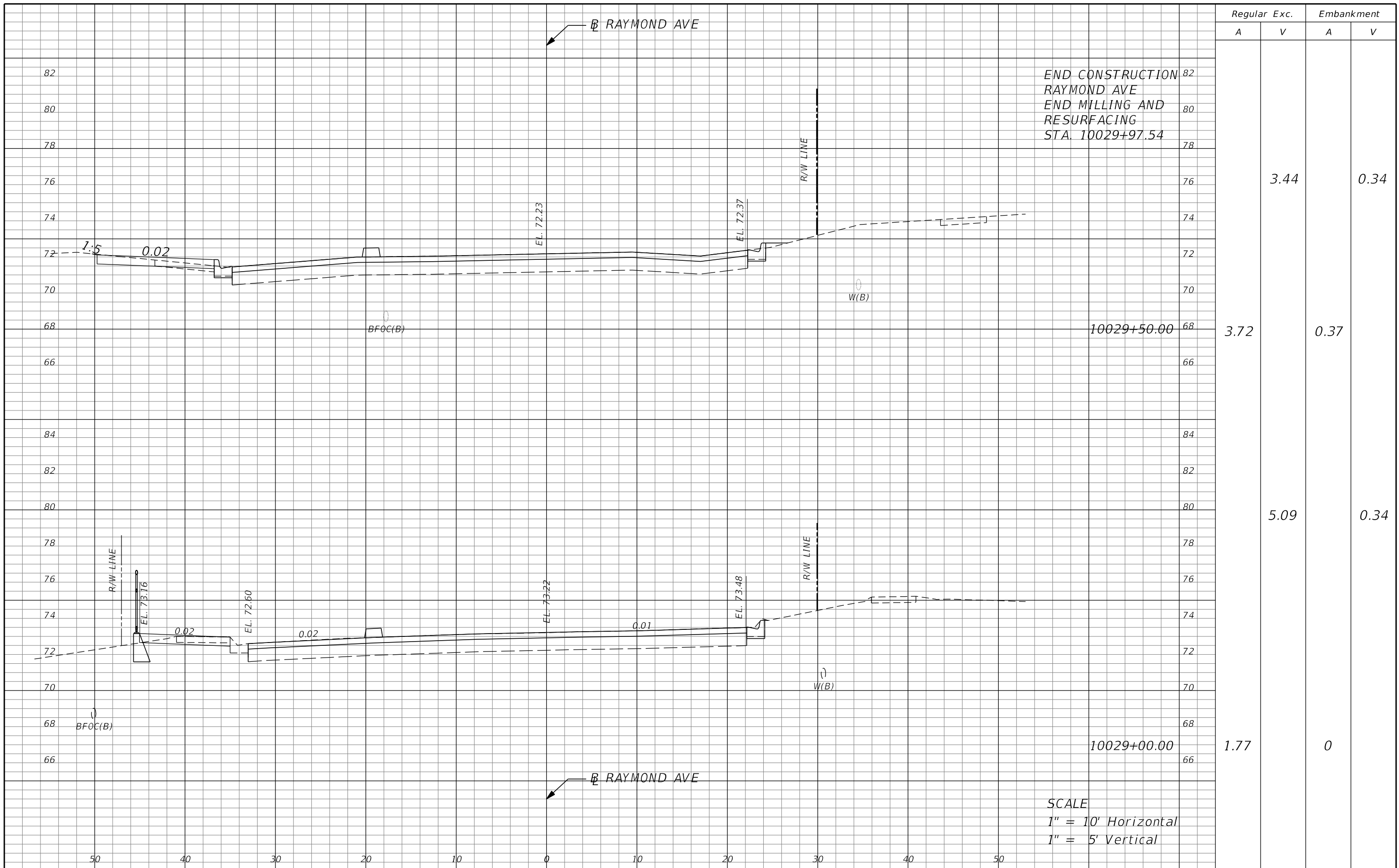
TYLER J. VALILA, P.E. LICENSE No. 90792
 315 E. ROBINSON ST. SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH 01907084
 ST., PALM SPRINGS DR.

CROSS SECTIONS
 SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

SHEET NO.
 182

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



END CONSTRUCTION
 RAYMOND AVE
 END MILLING AND
 RESURFACING
 STA. 10029+97.54

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER J. VALILA, P.E.
 LICENSE No. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



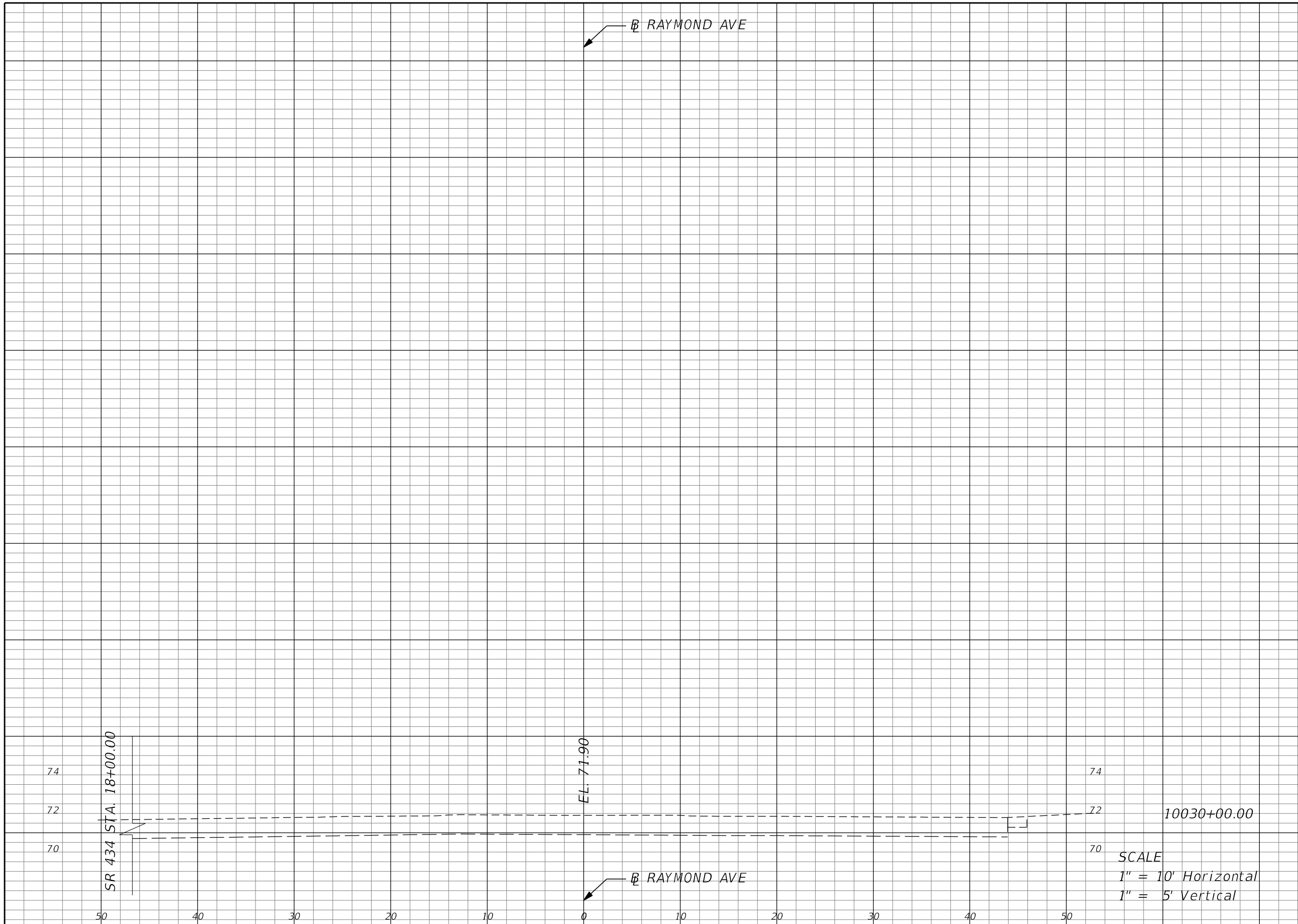
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

CROSS SECTIONS

SHEET NO.
 183

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




Regular		Exc.		Embankment	
A	V	A	V	A	V
			0		0
0		0			

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

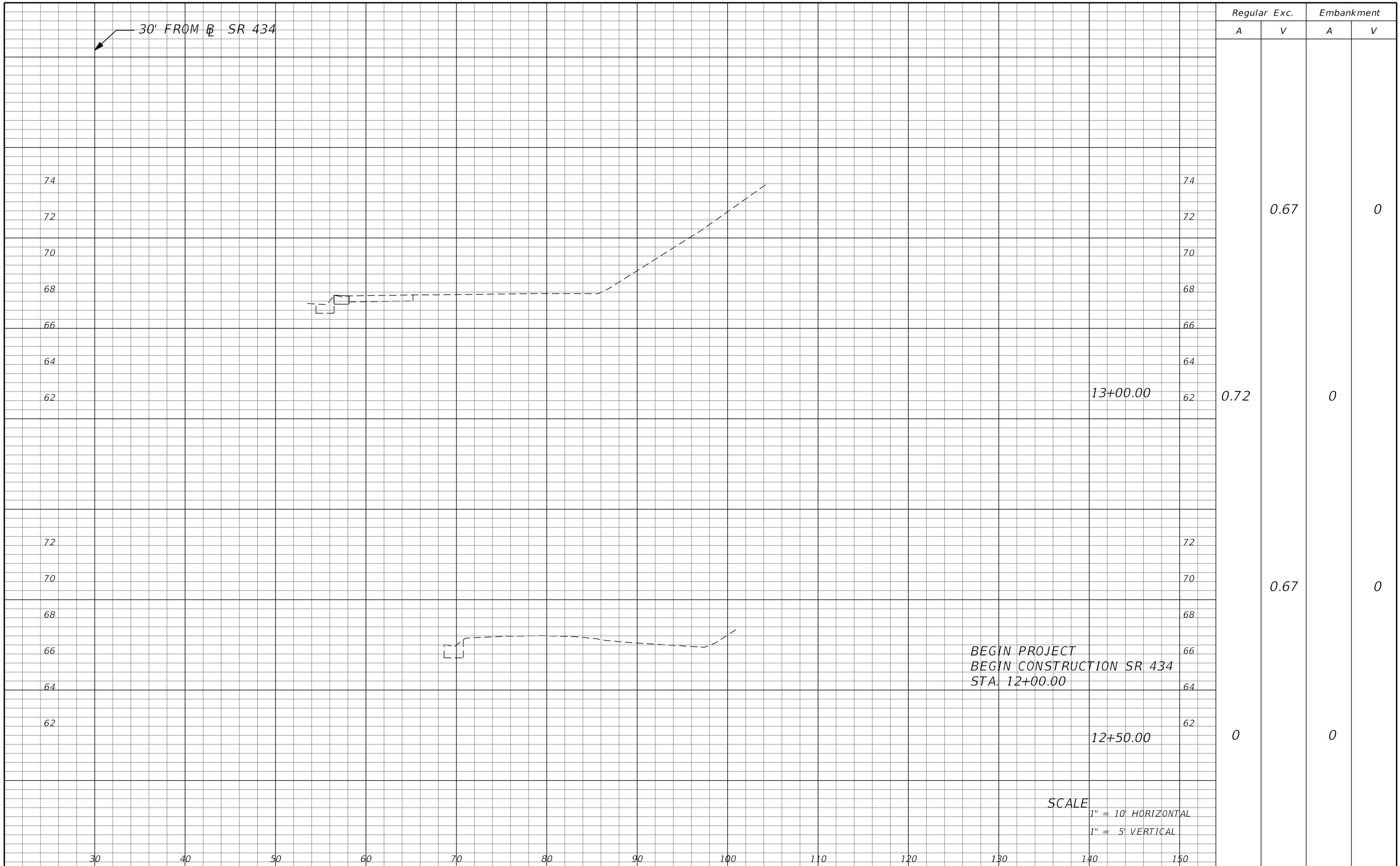
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

CROSS SECTIONS

SHEET NO.
 184

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

30' FROM ~~B~~ SR 434



Regular		Exc.		Embankment	
A	V	A	V	A	V
			0.67		0
0.72				0	
			0.67		0
0				0	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 185

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

30' FROM ~~B~~ SR 434



14+00.00

13+50.00

SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

Regular		Exc.		Embankment	
A	V	A	V	A	V
			12.81		0.63
0		0		0	
0		0		0	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

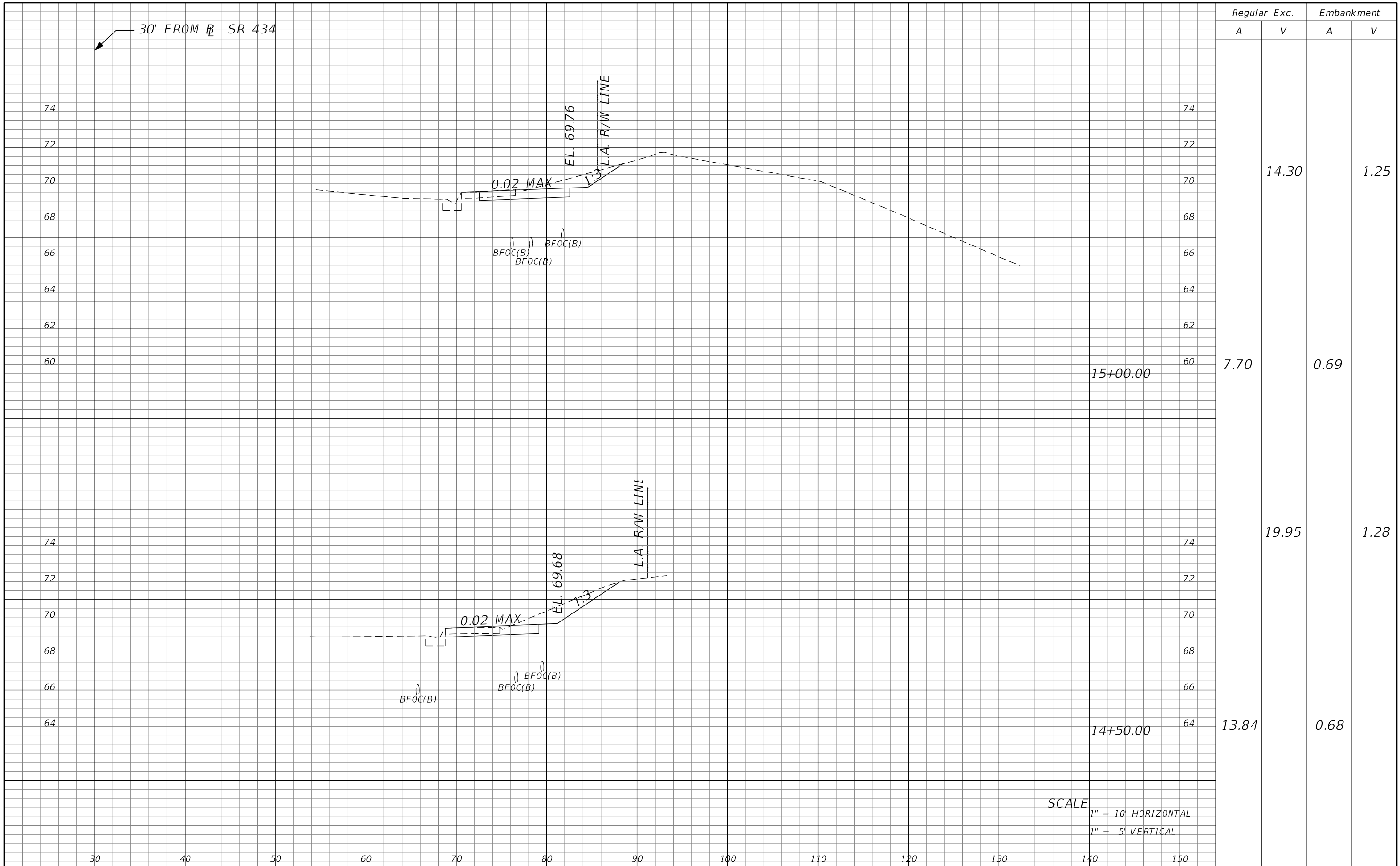
TYLER VALILA, P.E.
HR
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH
 ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
186

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



SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



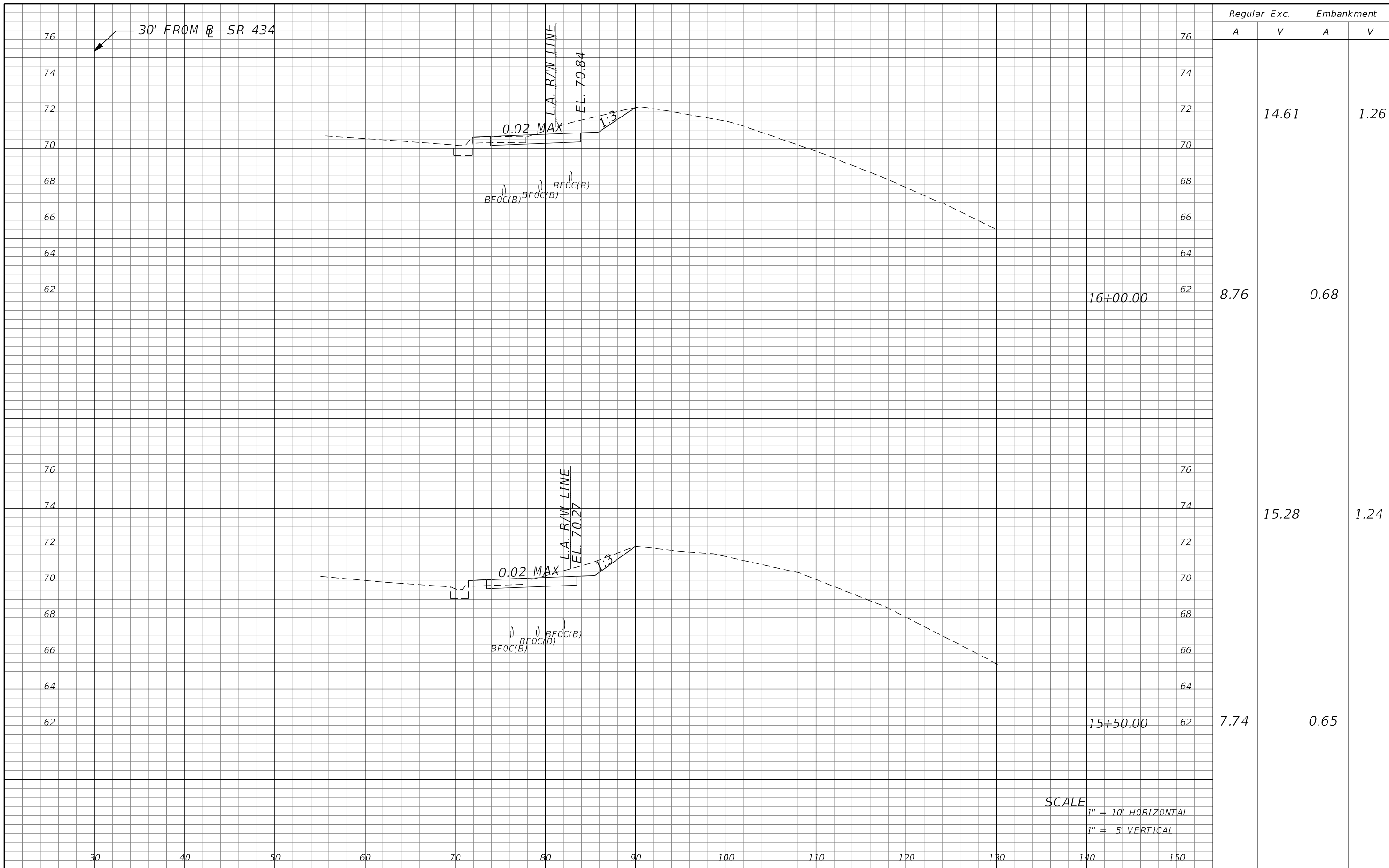
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

CROSS SECTIONS

SHEET NO.
 187

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



SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



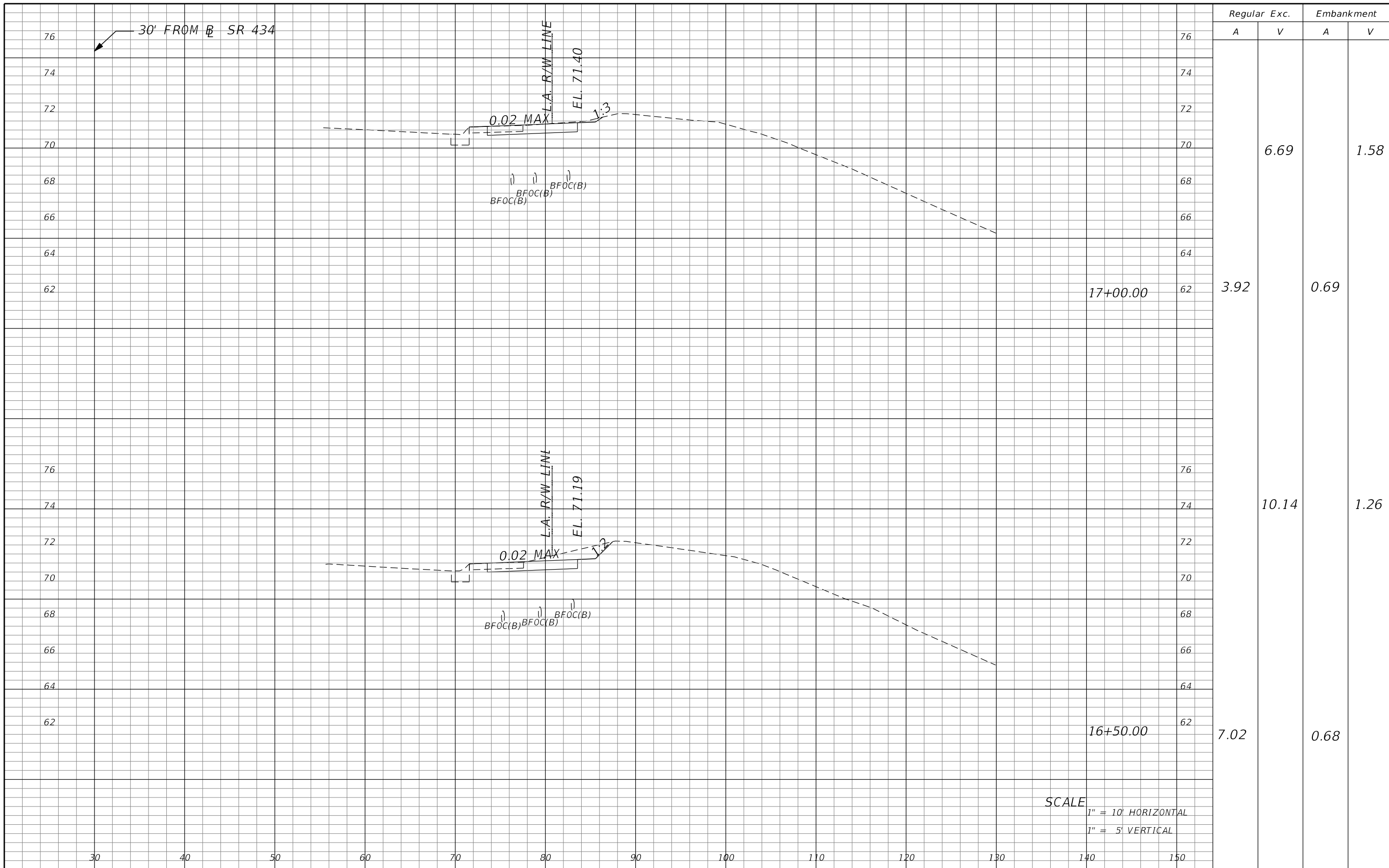
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

CROSS SECTIONS

SHEET NO.
 188

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



SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

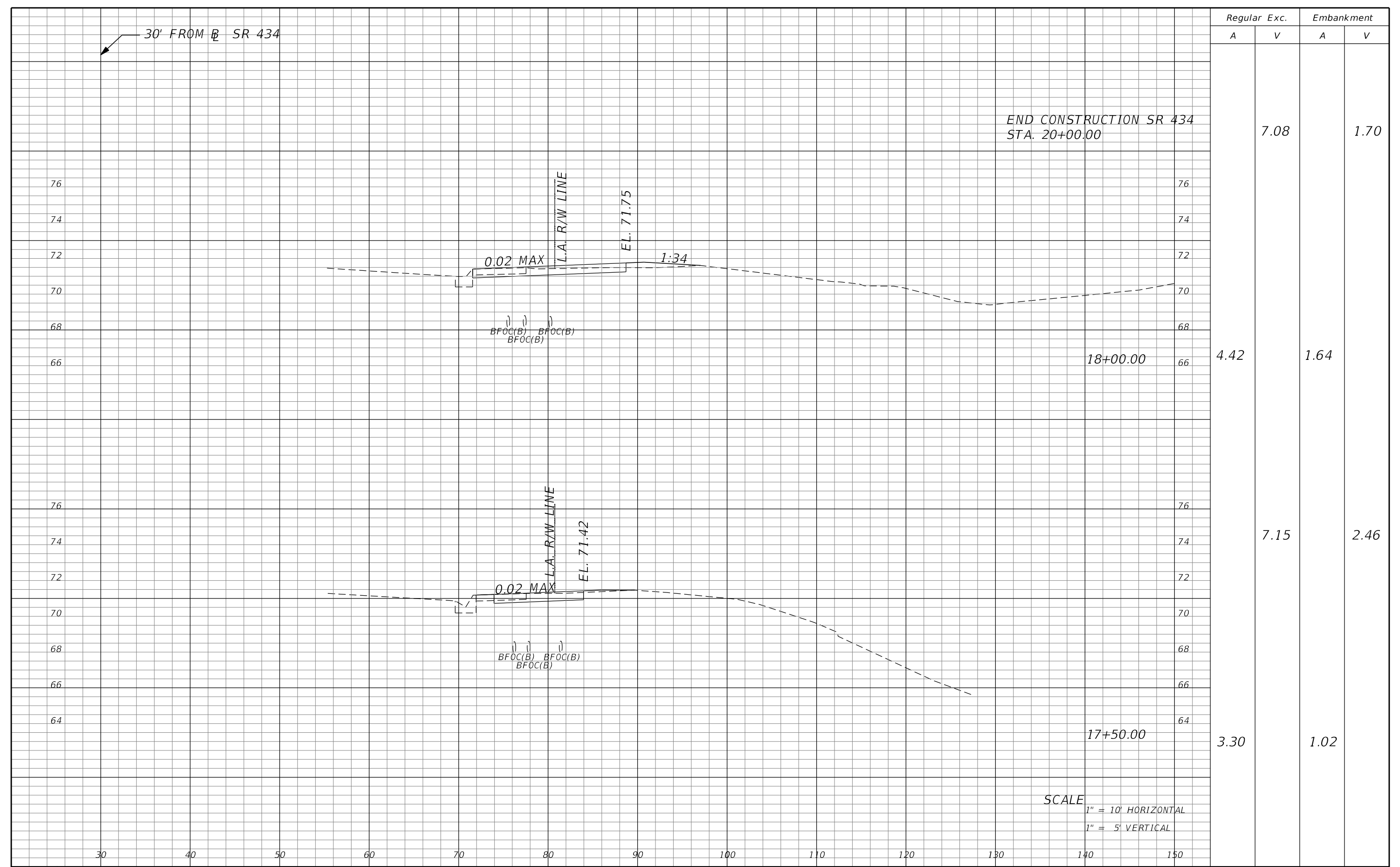
CROSS SECTIONS

SHEET NO.
 189

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

30' FROM \overline{B} SR 434

END CONSTRUCTION SR 434
STA. 20+00.00



Regular		Exc.		Embankment	
A	V	A	V	A	V
			7.08		1.70
4.42				1.64	
			7.15		2.46
3.30				1.02	

SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
LICENSE NO. 90792
315 E. ROBINSON ST.
SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242



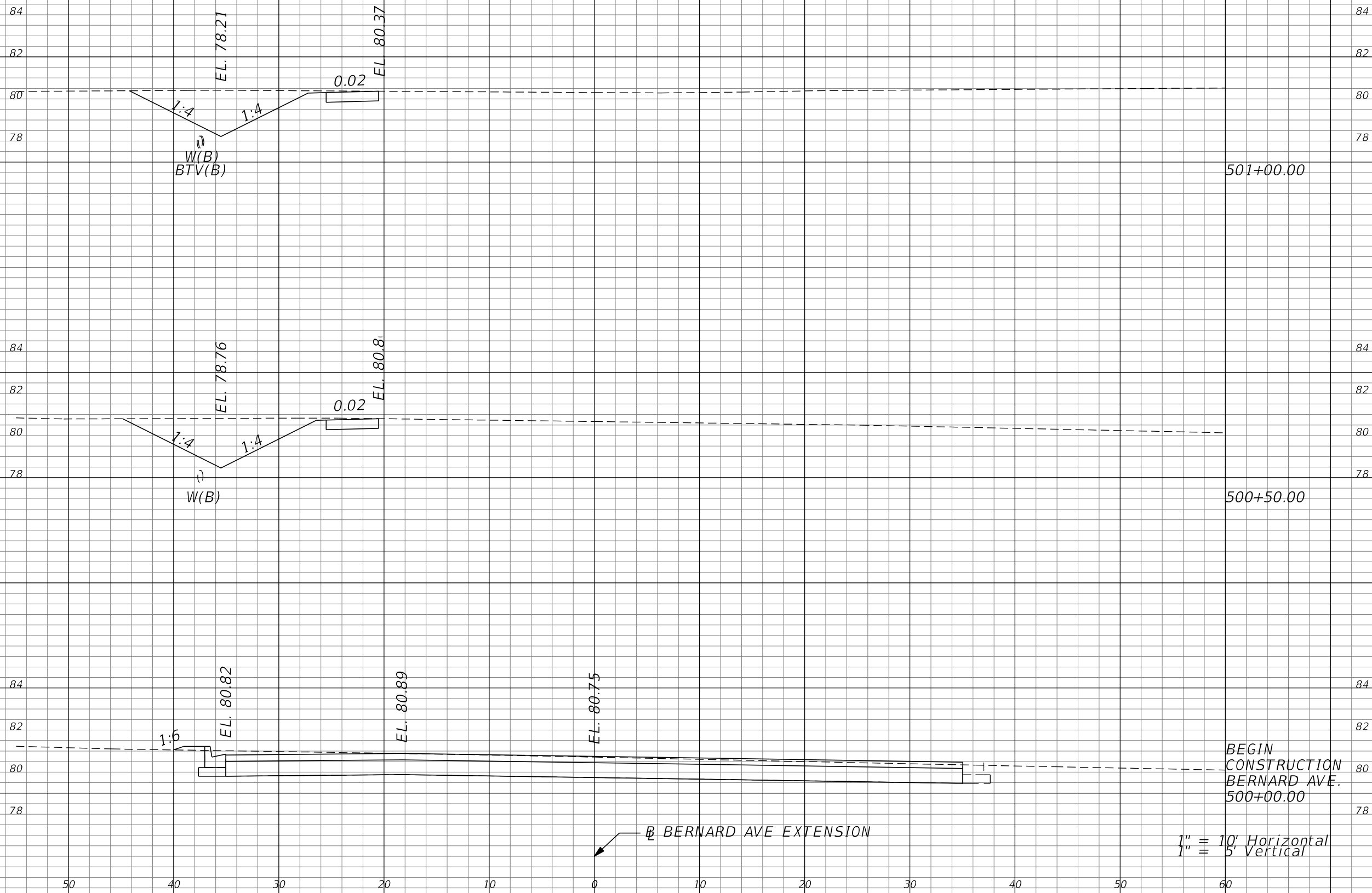
SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
ROAD COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
190

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

↙ BERNARD AVE EXTENSION



Regular		Exc.		Embankment	
A	V	A	V	A	V
39	79	1	1		
47	110	0	1		
72	0	0	0		

↙ BERNARD AVE EXTENSION

1" = 10' Horizontal
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
315 E. ROBINSON ST. SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242



SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

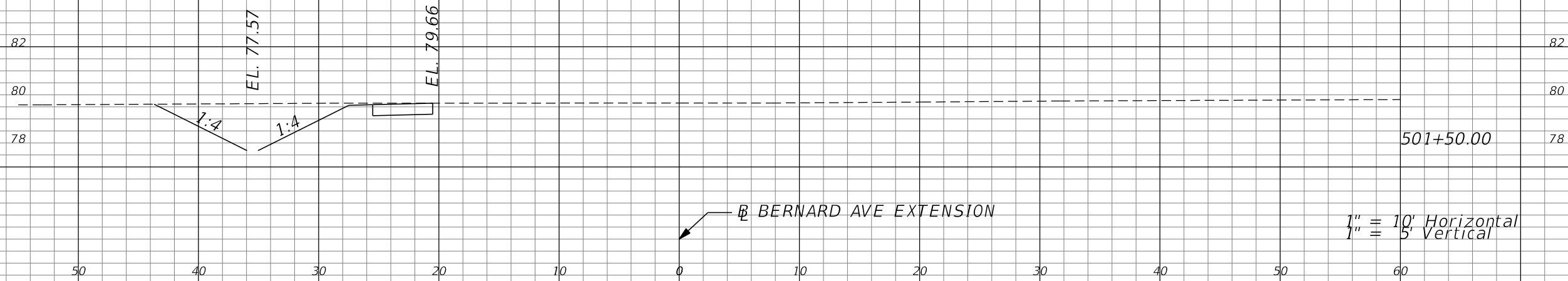
CROSS SECTIONS

SHEET NO.
191

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

↙ BERNARD AVE EXTENSION

Regular		Exc.		Embankment	
A	V	A	V	A	V
31			65	2	3



↙ BERNARD AVE EXTENSION

1" = 10' Horizontal
1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



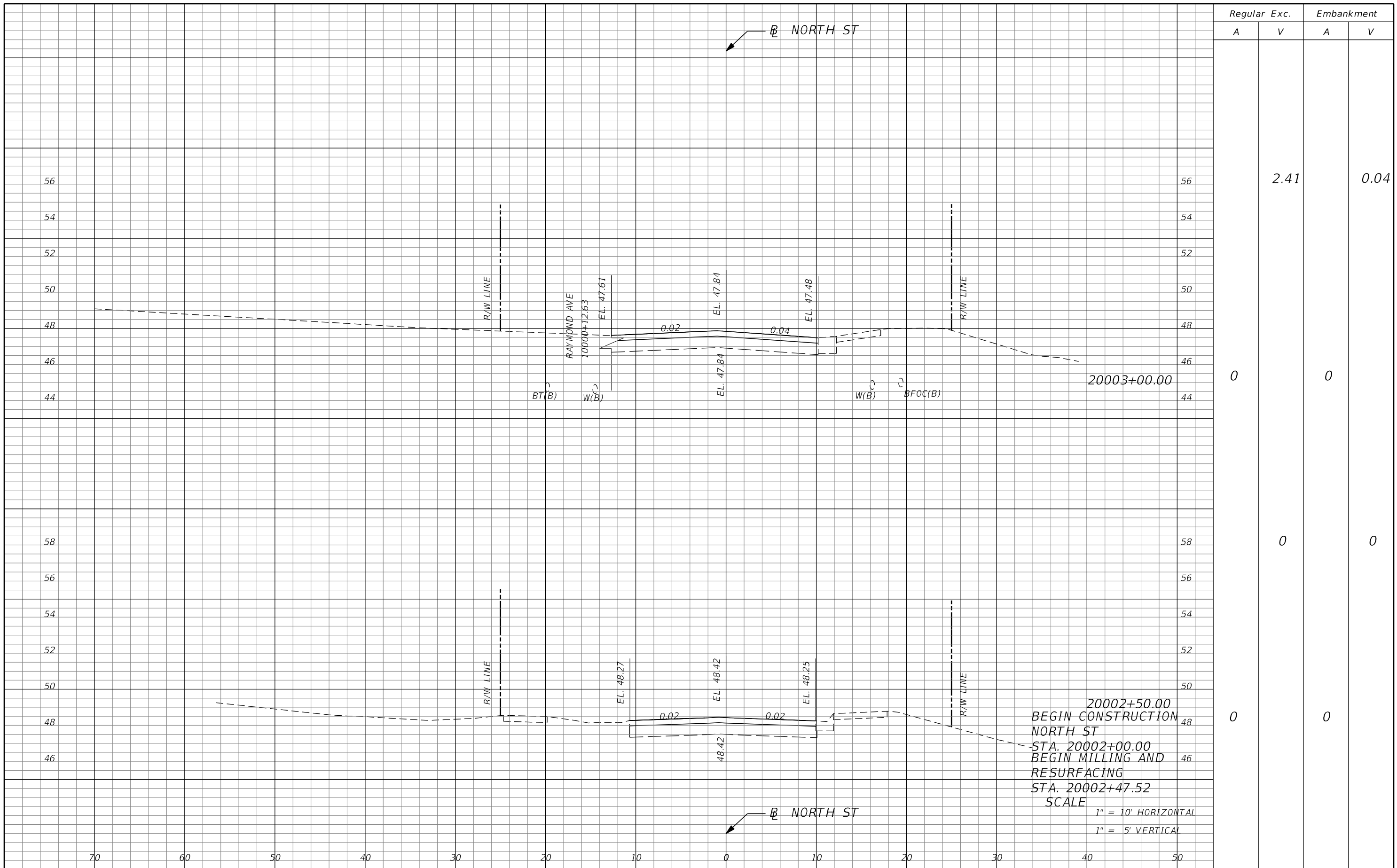
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

CROSS SECTIONS

SHEET NO.
192

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0	0	0	2.41	0	0.04
0	0	0	0	0	0

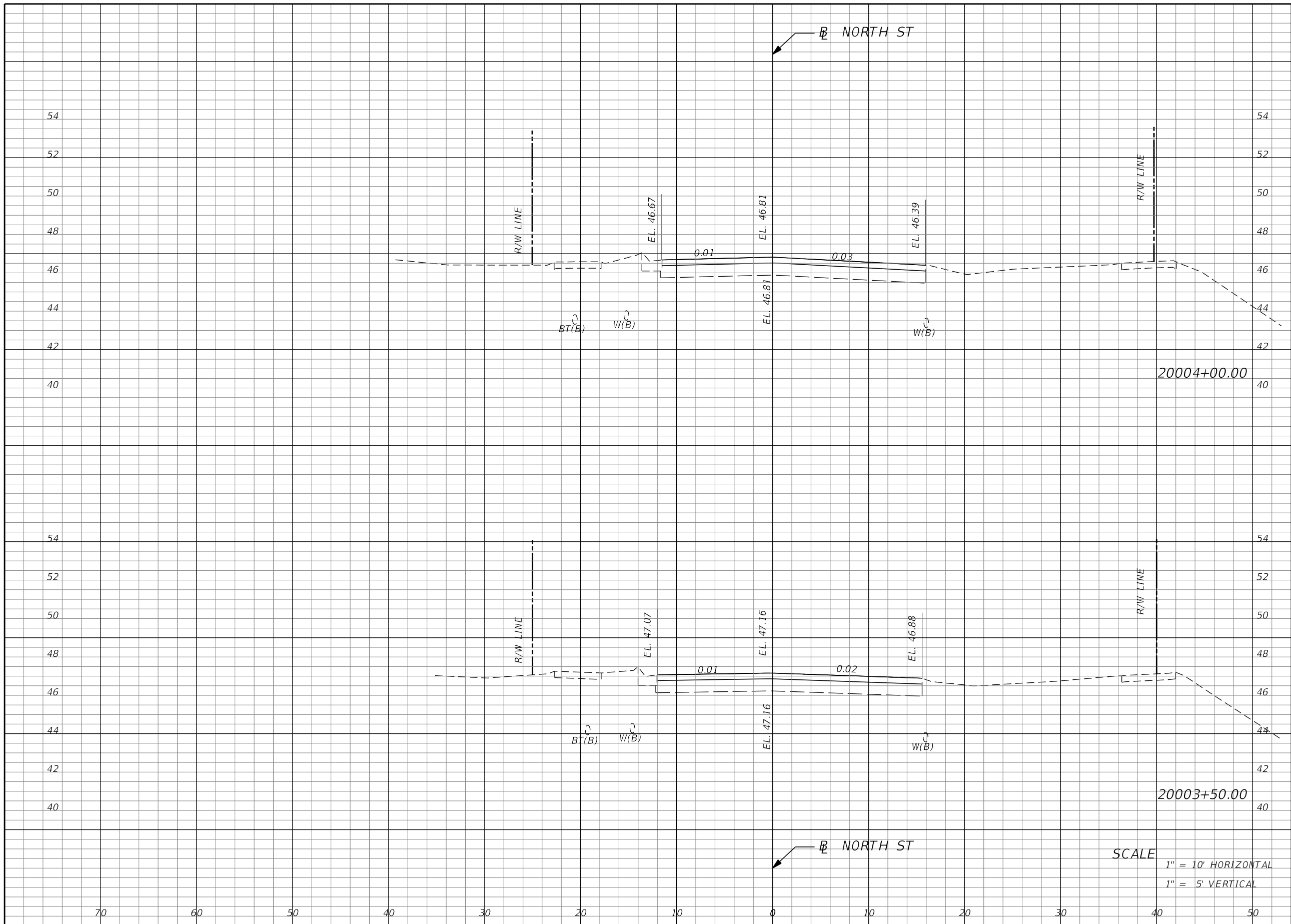
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS
 SHEET NO. 193

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			2.25		0.07
2.43				0.08	
			4.66		0.11
2.60				0.04	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



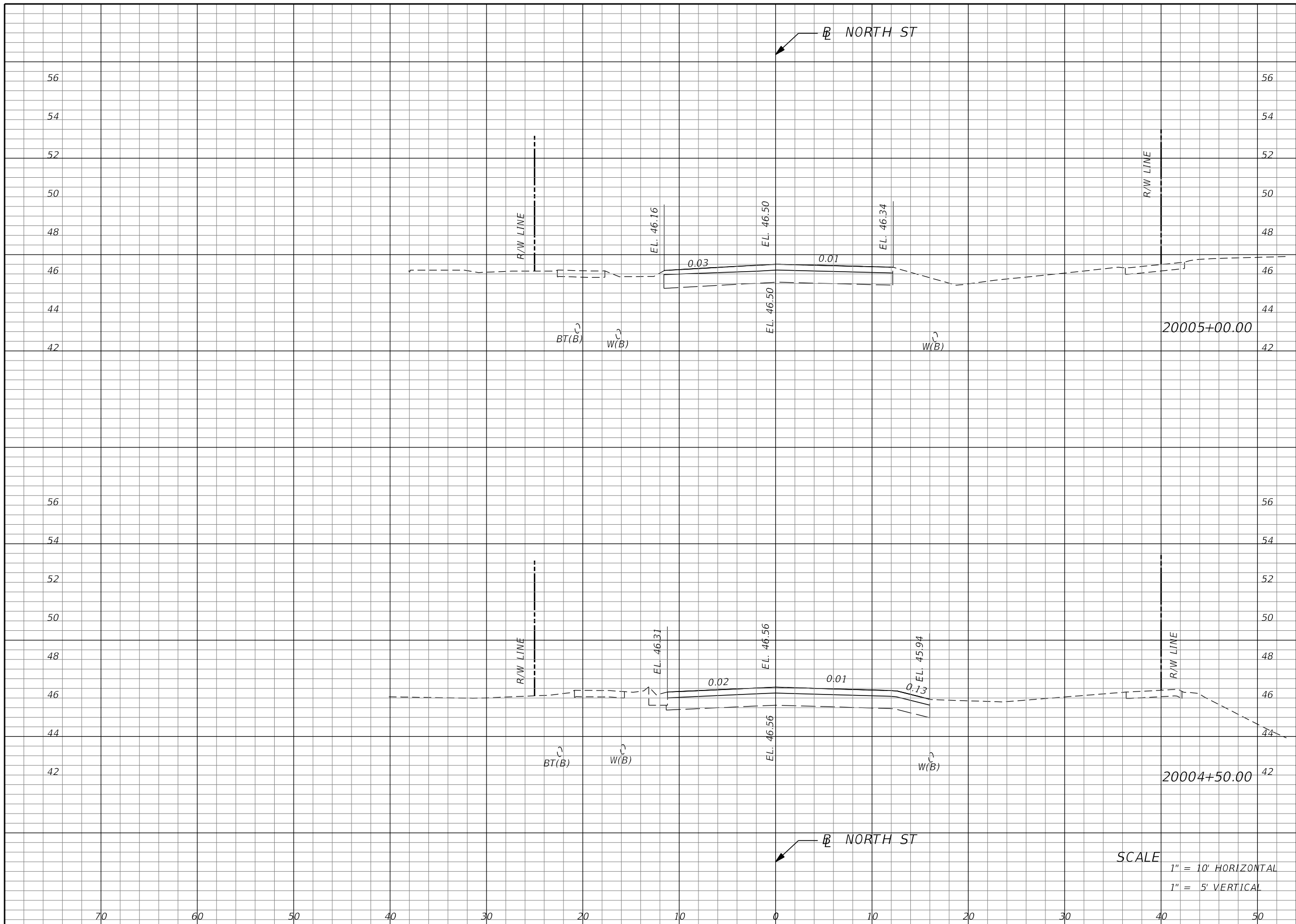
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

CROSS SECTIONS

SHEET NO.
 194

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0.46	2.21	0.07	0.06		
0	0.43	0	0.06		

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

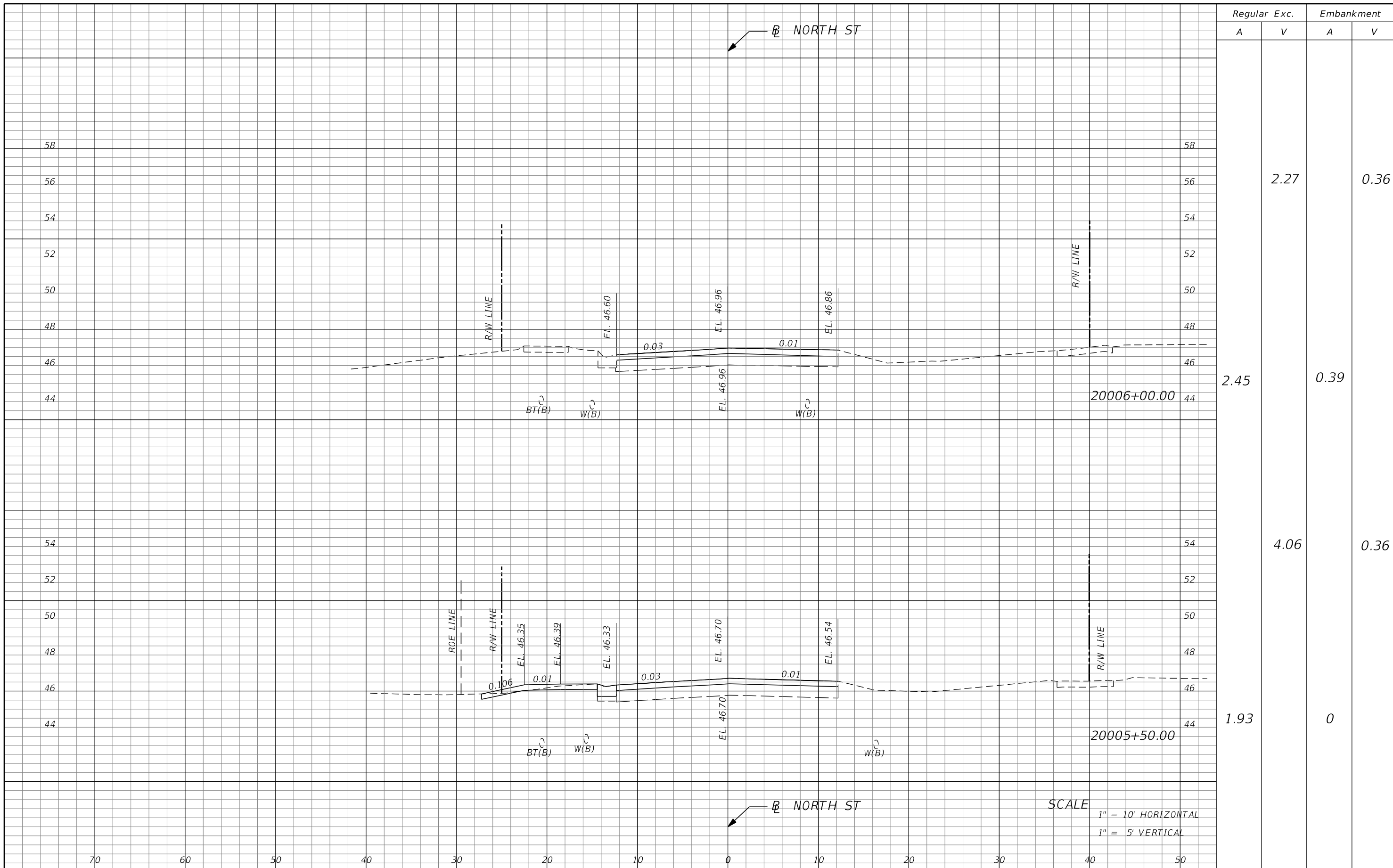


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 195

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			2.27		0.36
2.45		0.39			
	4.06				0.36
1.93		0			

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

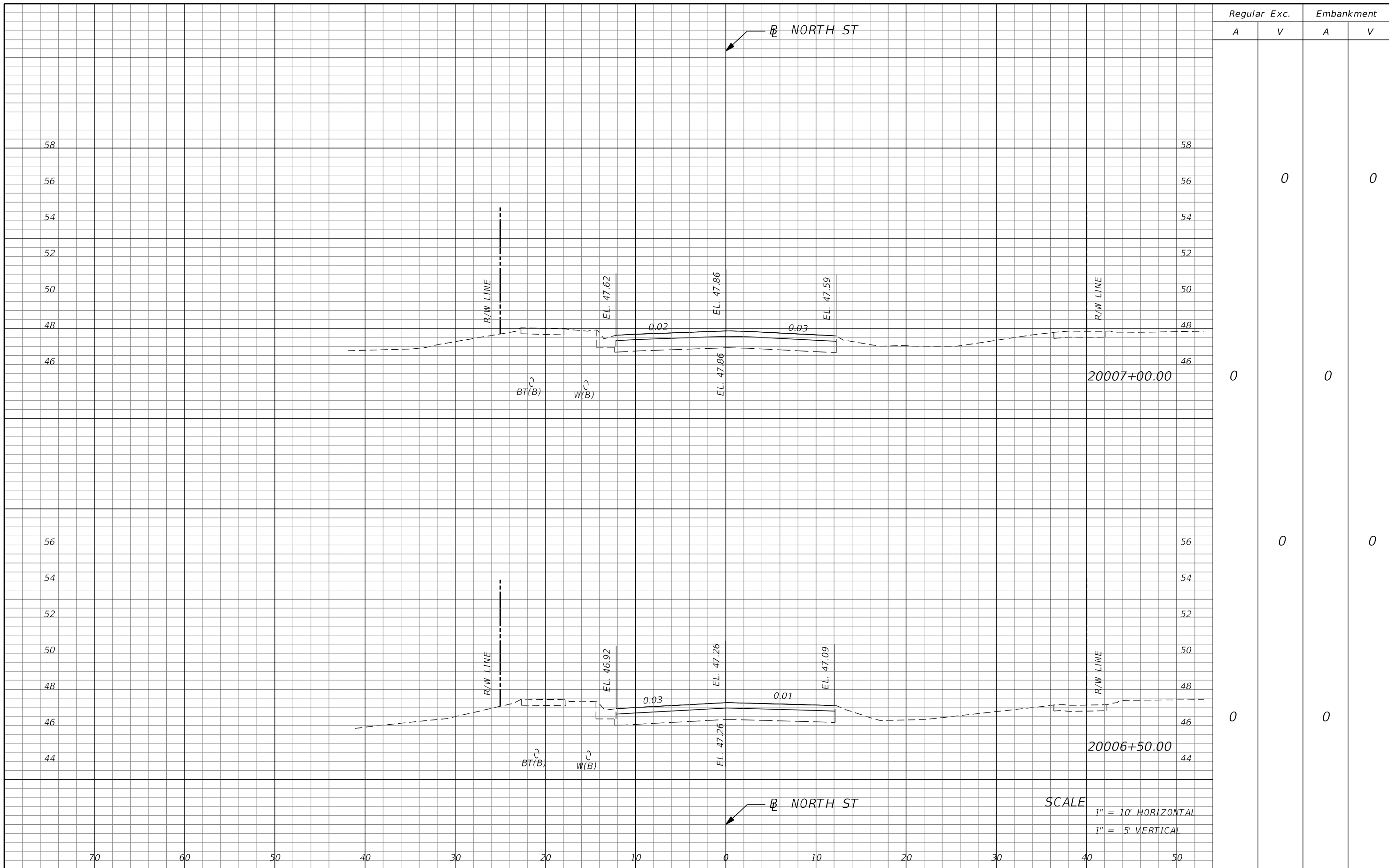


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 196

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

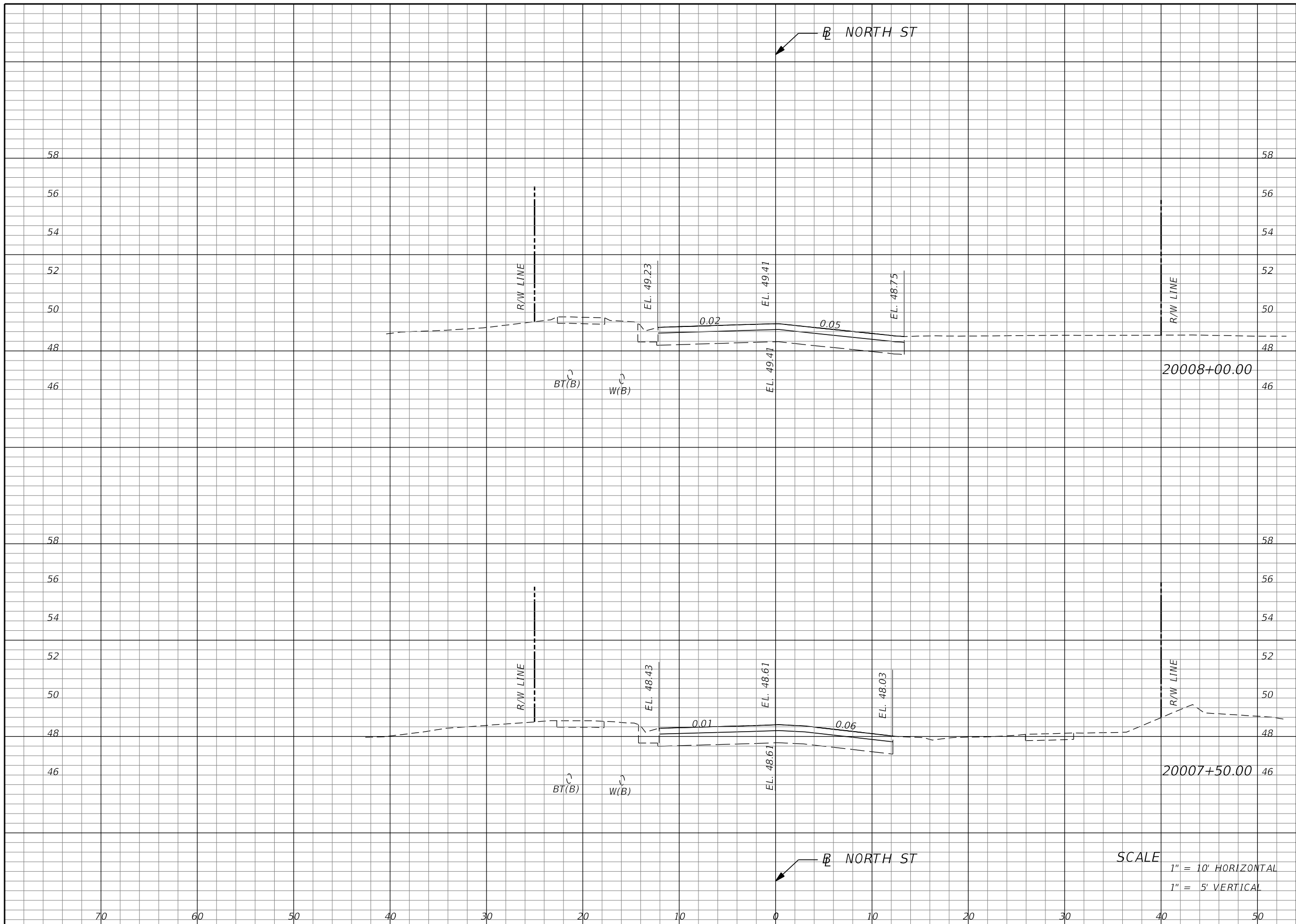


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 197

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0	0	0	0	0	0
0	0	0	0	0	0

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

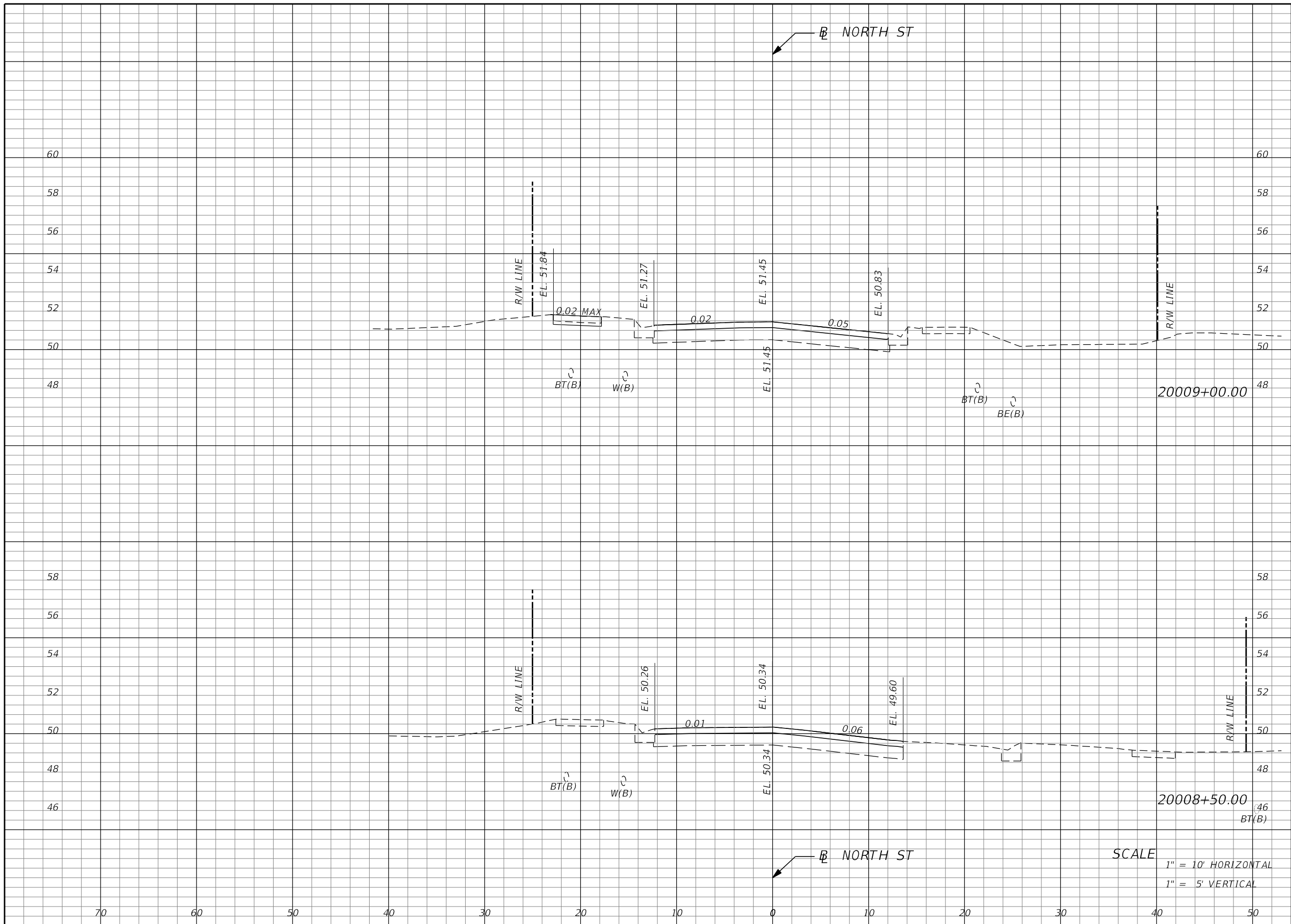


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 198

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			1.64		0.07
0.86				0	
			0.79		0
0				0	

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

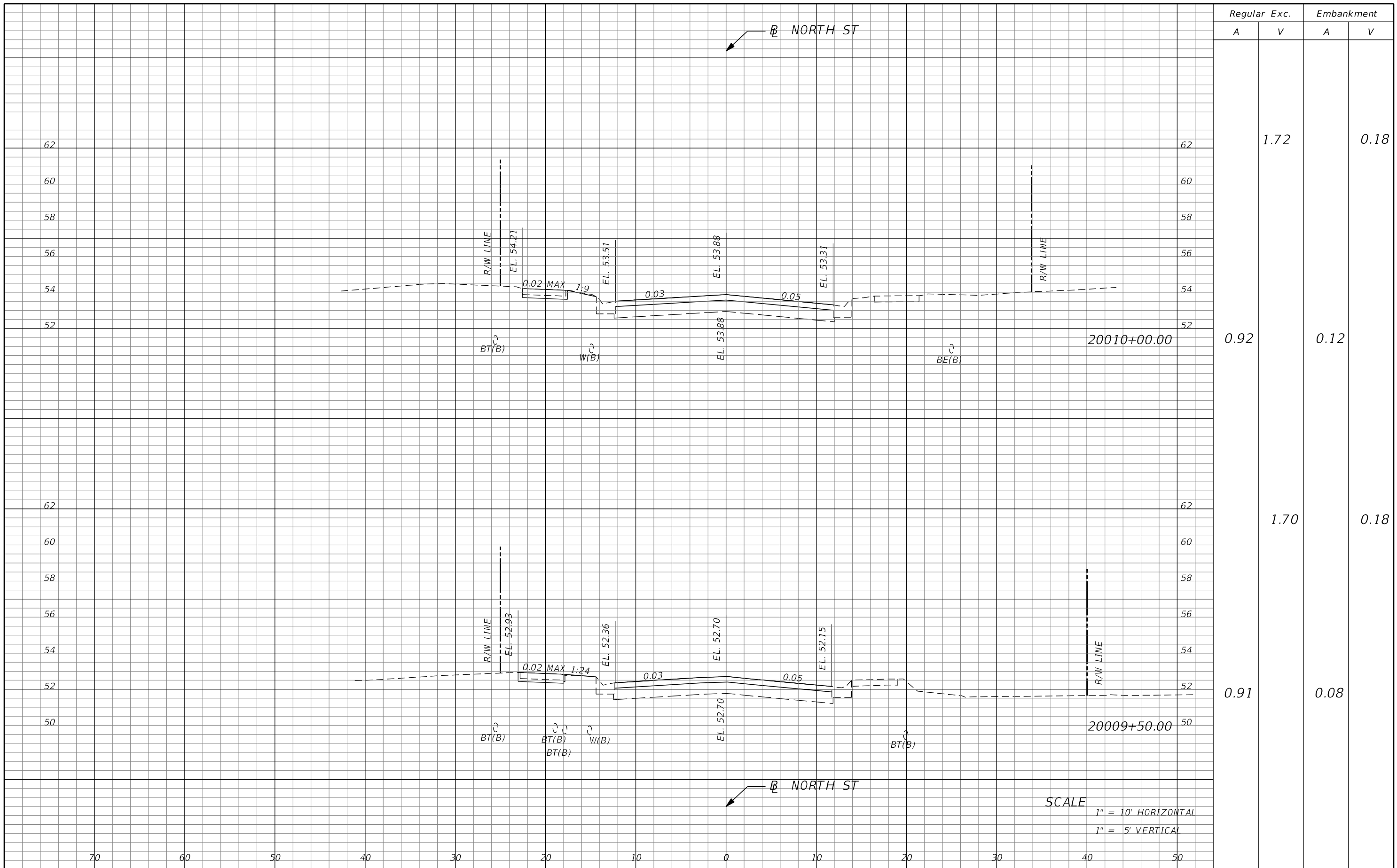


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 199

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

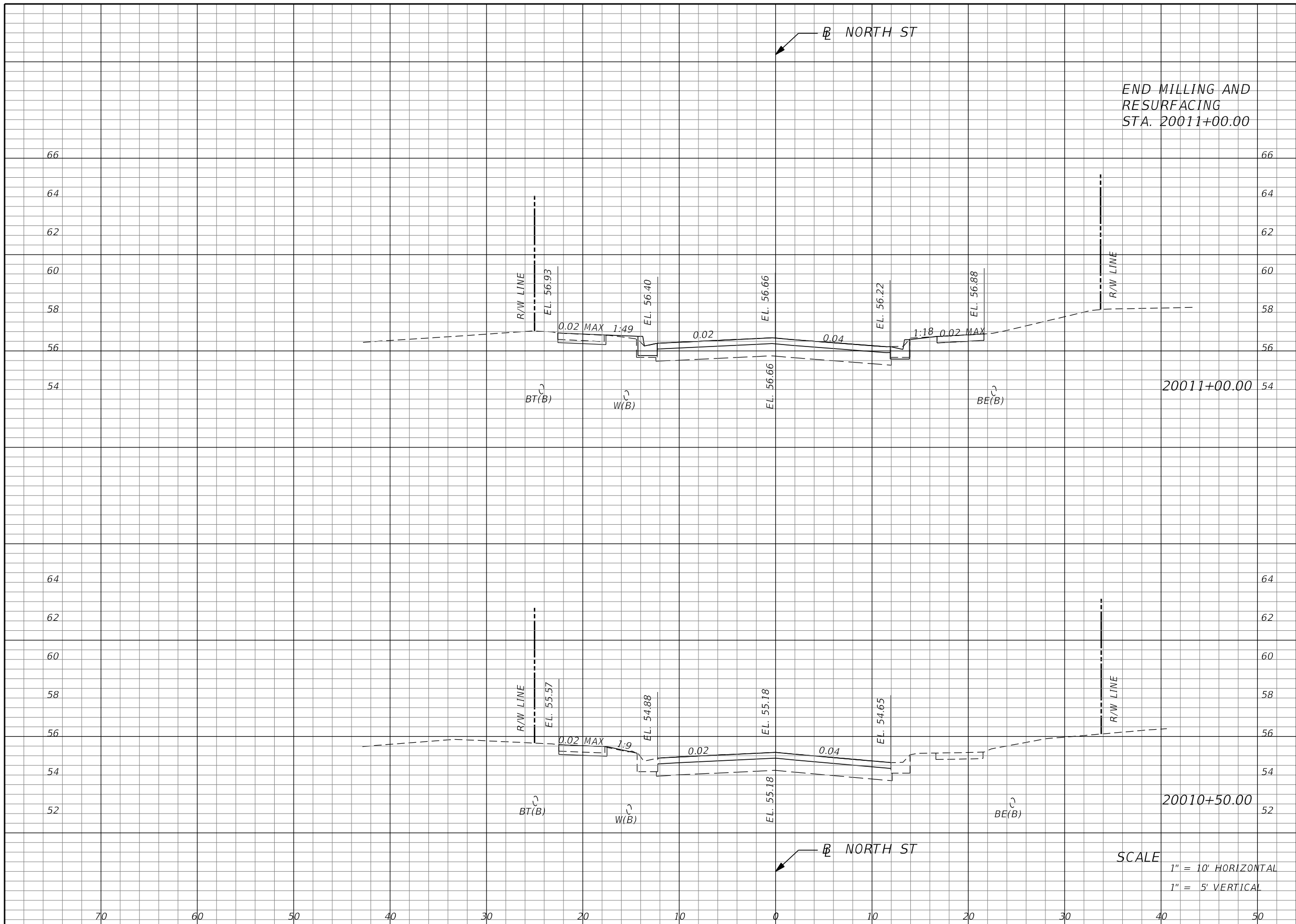
TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 200

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



Regular Exc.		Embankment	
A	V	A	V
	11.34		0.23
1.13		0.25	
	1.92		0.30
0.94		0.07	

END MILLING AND RESURFACING STA. 20011+00.00

SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

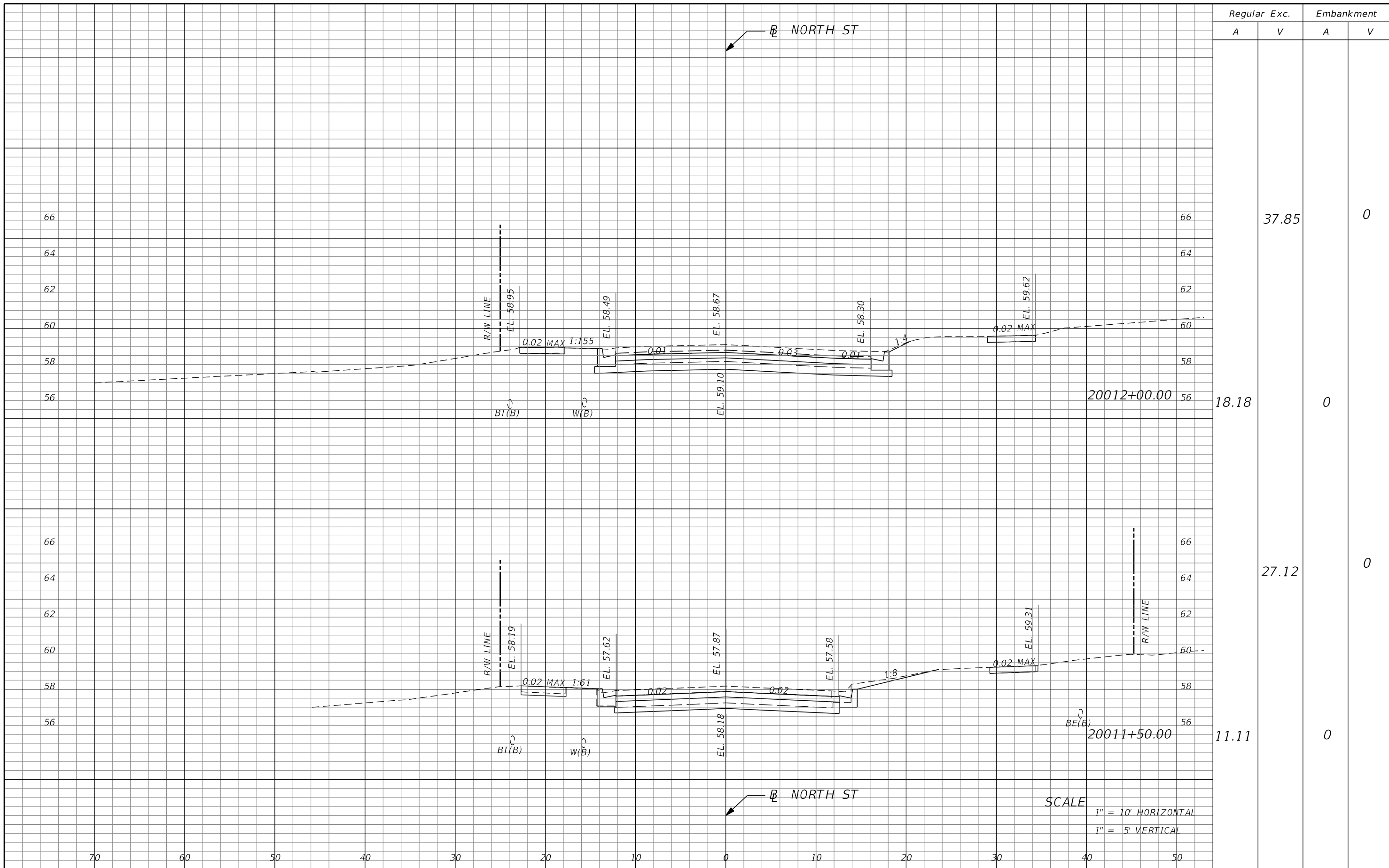


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
201

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			37.85		0
18.18			0		
			27.12		0
11.11			0		

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

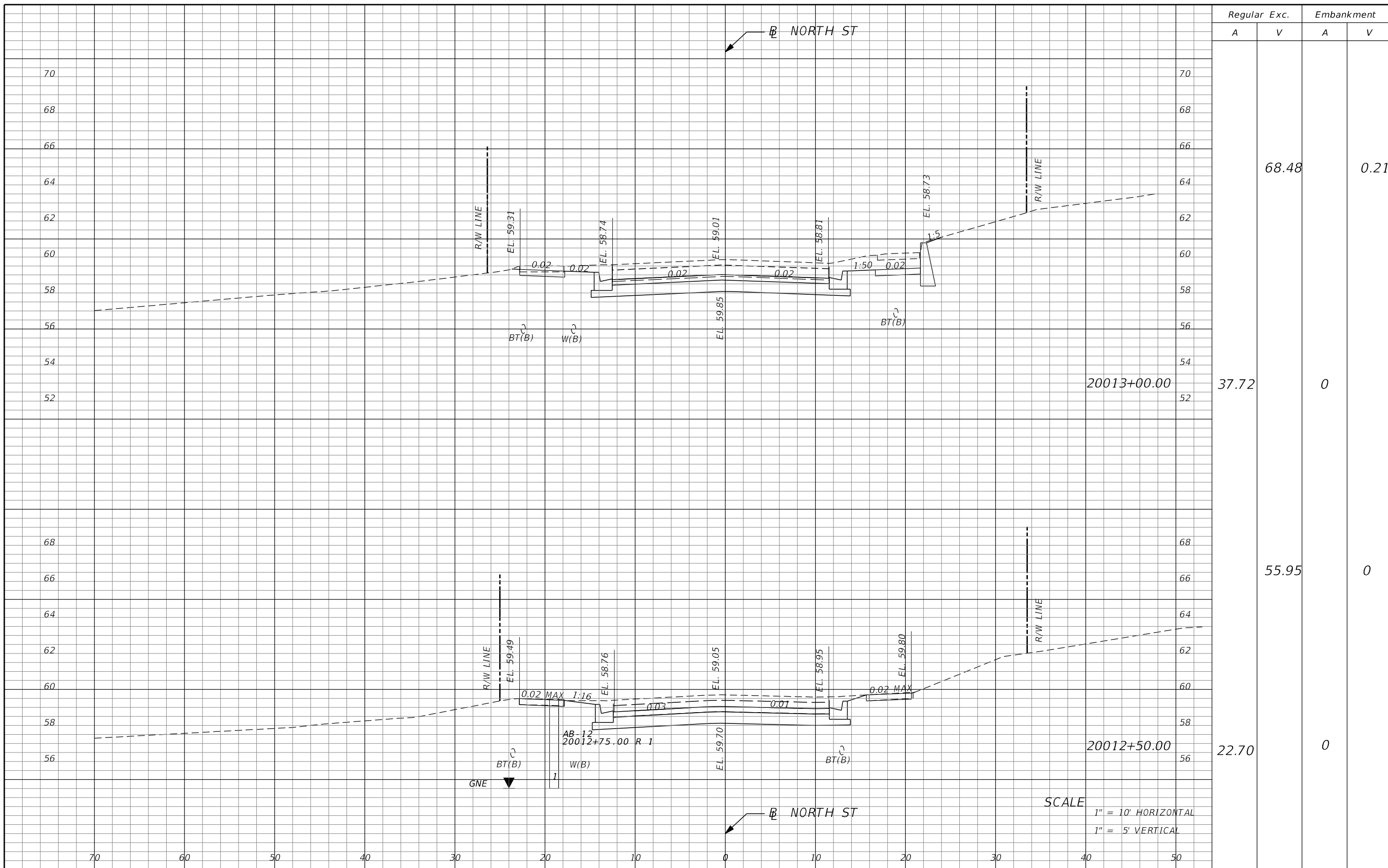
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

CROSS SECTIONS

SHEET NO.
 202

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



Regular Exc. Embankment


A V A V

70				
68				
66				
64		68.48		0.21
62				
60				
58				
56				
54				
52	20013+00.00	37.72	0	

68				
66				
64				
62		55.95		0
60				
58				
56	20012+50.00	22.70	0	

SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

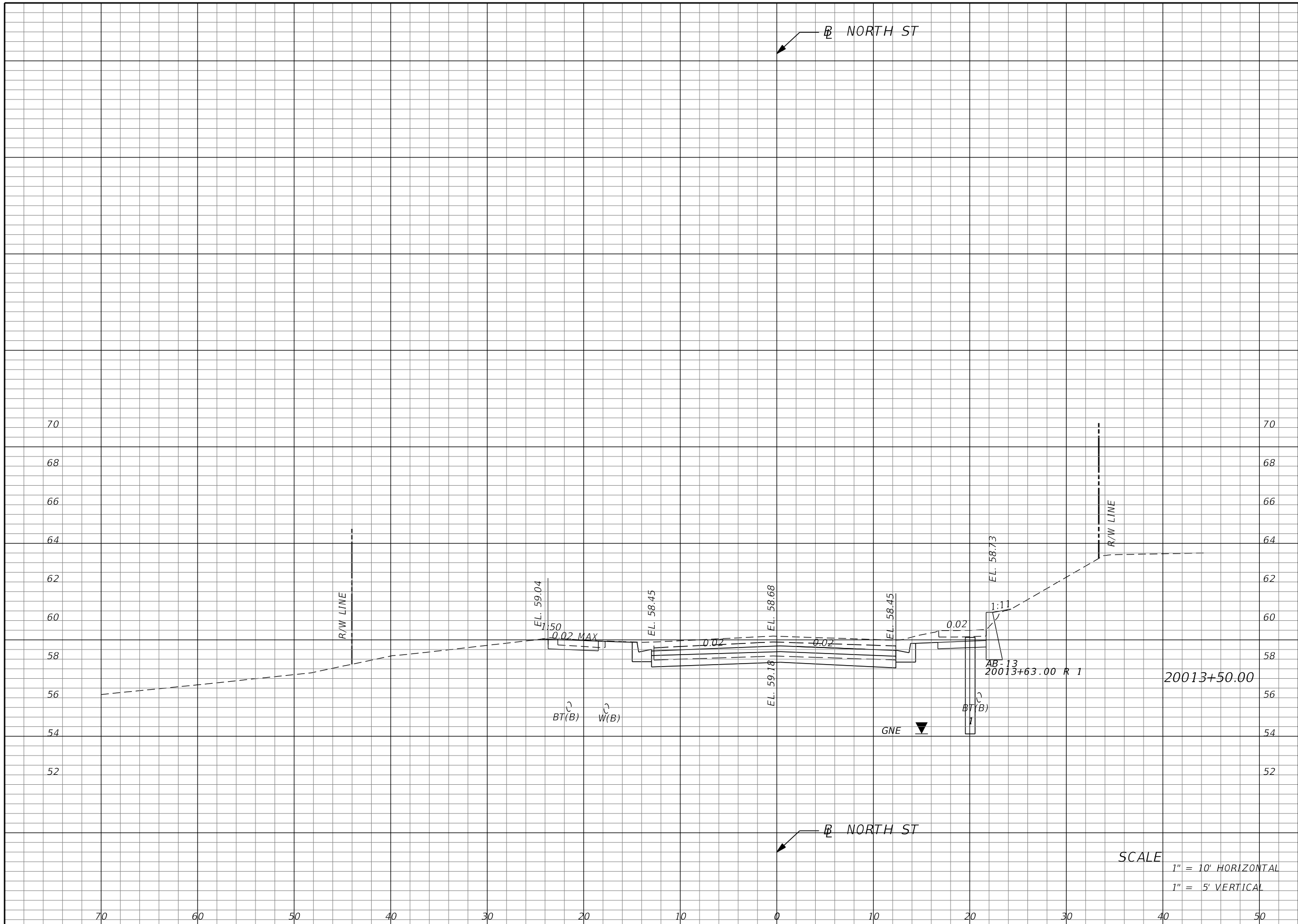
TYLER VALILA, P.E.

 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
203

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			123.94		0.21
36.23				0.22	

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

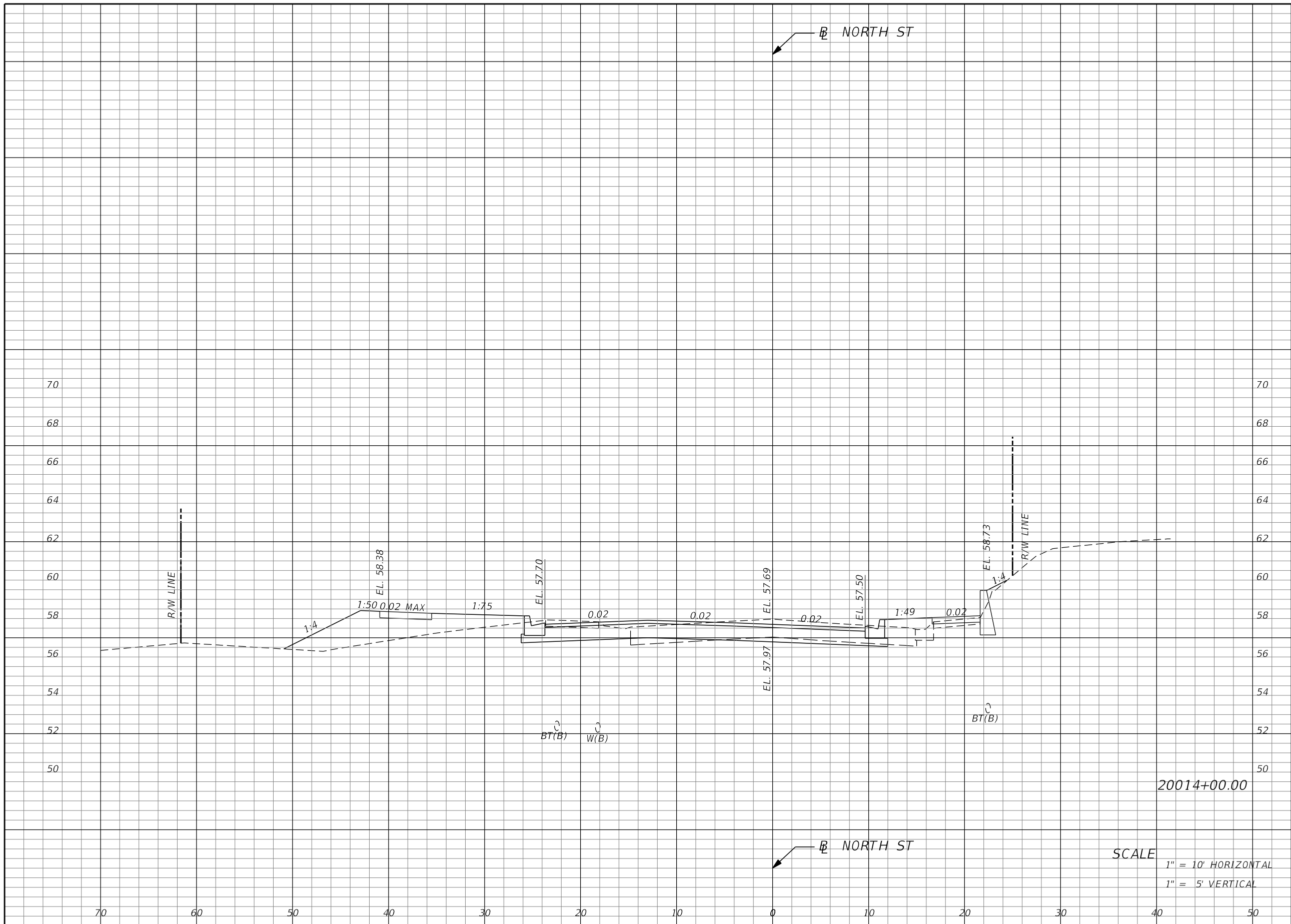


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 204

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			643.15		0.00
97.63				0	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

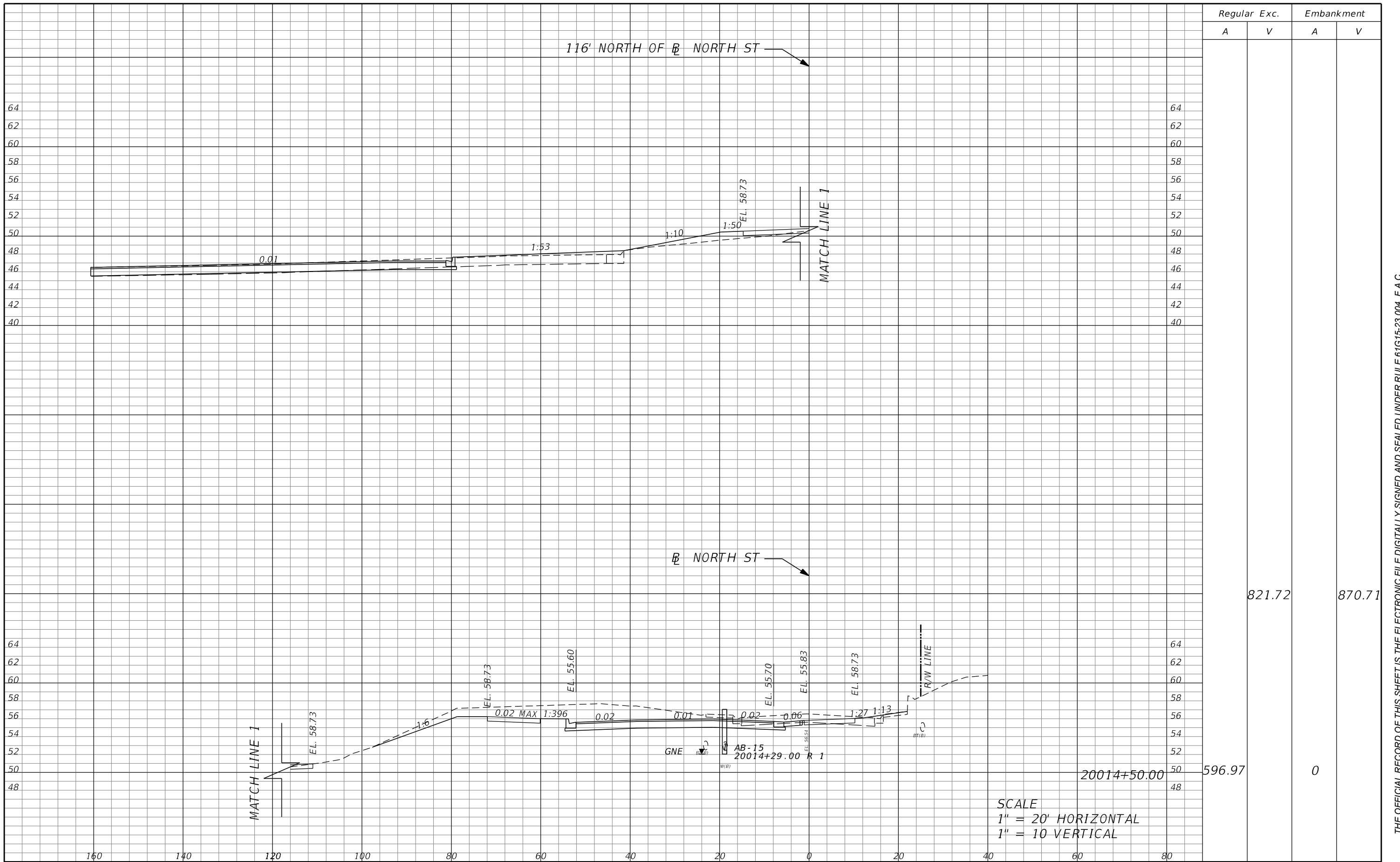
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

CROSS SECTIONS

SHEET NO.
 205

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



116' NORTH OF B NORTH ST

B NORTH ST

MATCH LINE 1

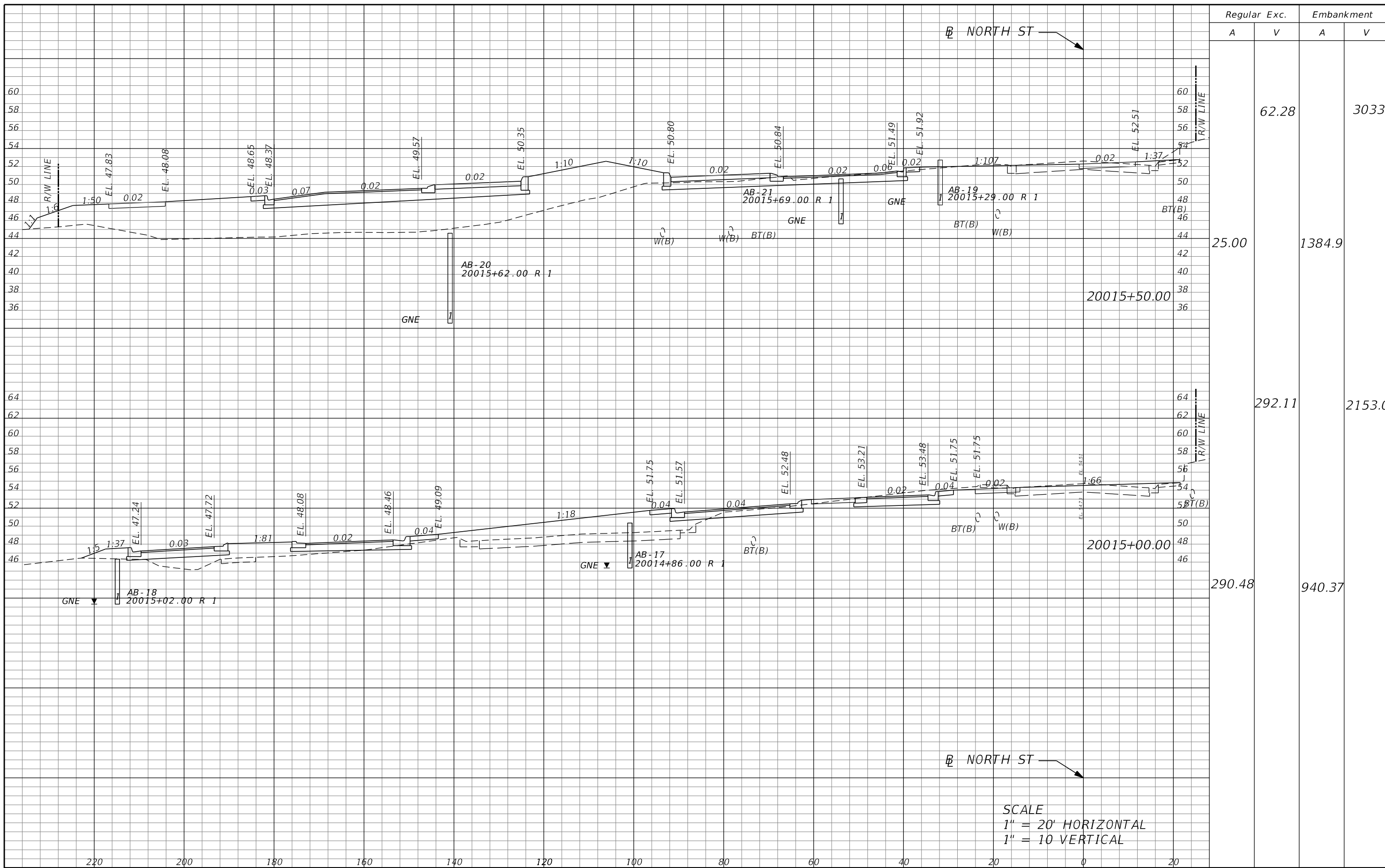
MATCH LINE 1

SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

DATE		DESCRIPTION		REVISIONS				TYLER VALILA, P.E. LICENSE NO. 90792 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		ROAD COUNTY CIP No.		SHEET NO. 206
									RAYMOND AVE., NORTH ST., PALM SPRINGS DR.		01907084		
								CROSS SECTIONS					

		Regular Exc.		Embankment	
		A	V	A	V
64	64				
62	62				
60	60				
58	58				
56	56				
54	54				
52	52				
50	50				
48	48				
46	46				
44	44				
42	42				
40	40				
20014+50.00		596.97	821.72	0	870.71

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
25.00	62.28	1384.9	3033		
290.48	292.11	940.37	2153.0		

SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

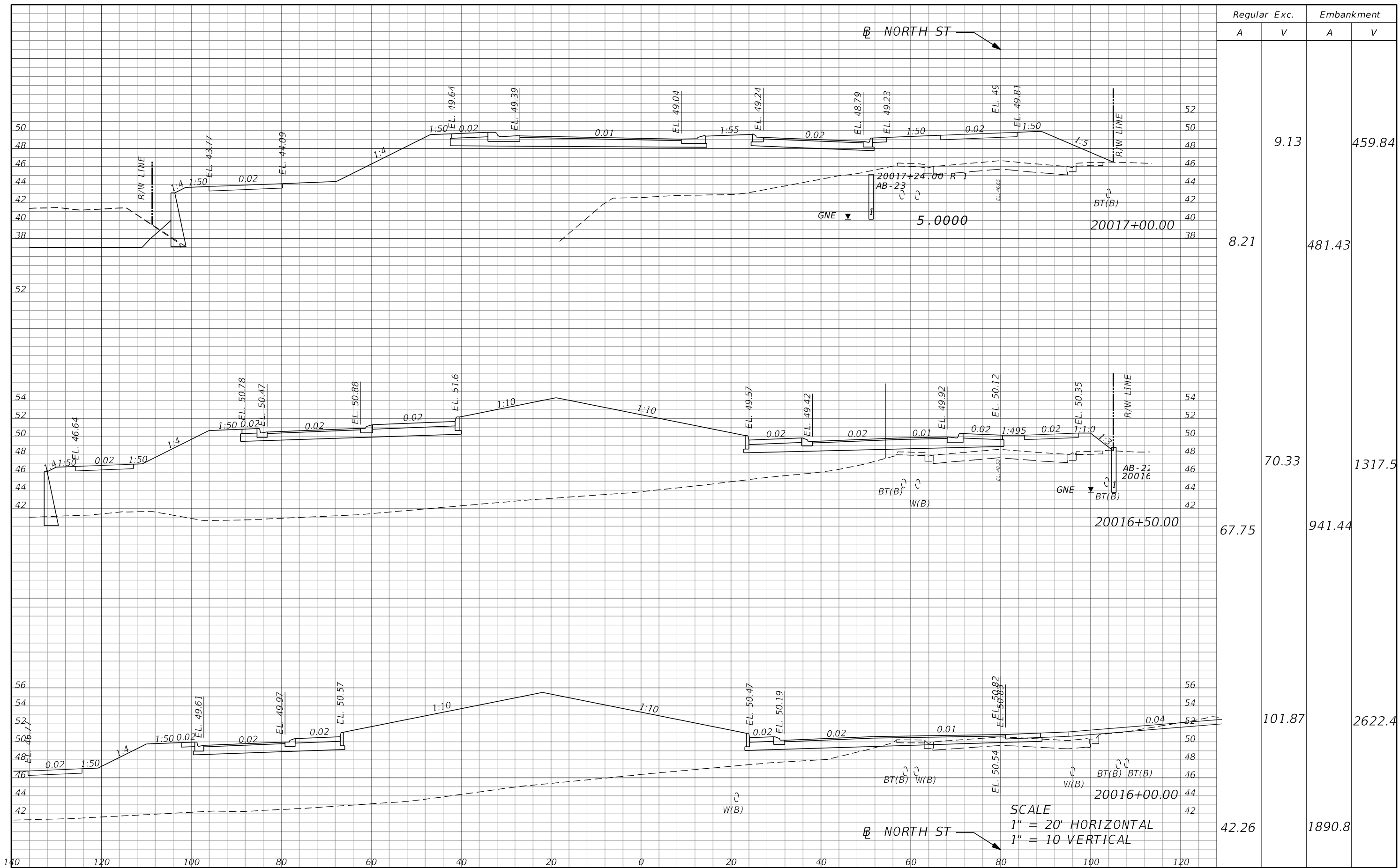


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 207

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



SCALE
 1" = 20' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
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 315 E. ROBINSON ST.
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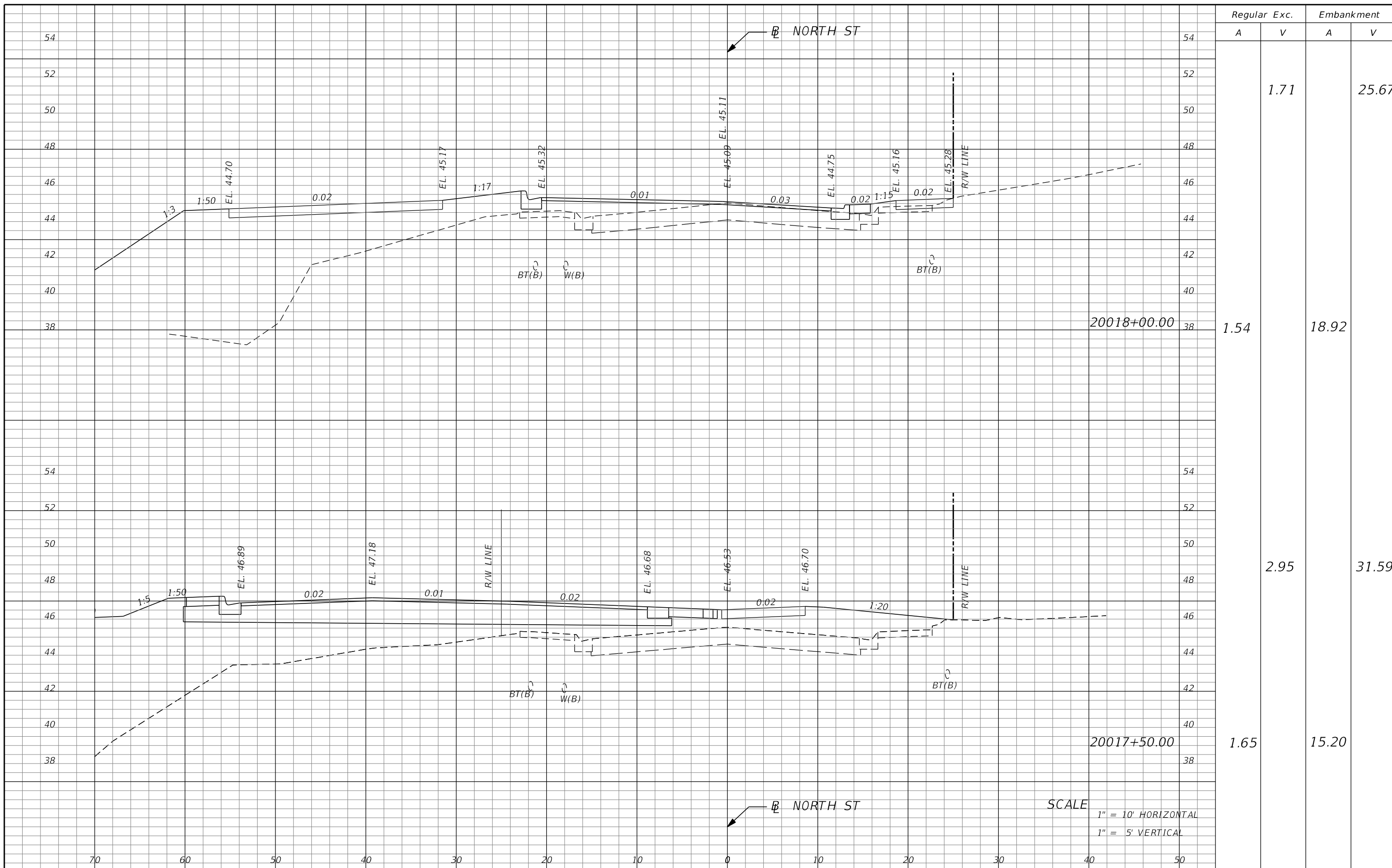


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 208

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Regular		Exc.		Embankment	
A	V	A	V	A	V
			1.71		25.67
1.54				18.92	
		2.95			31.59
1.65				15.20	

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

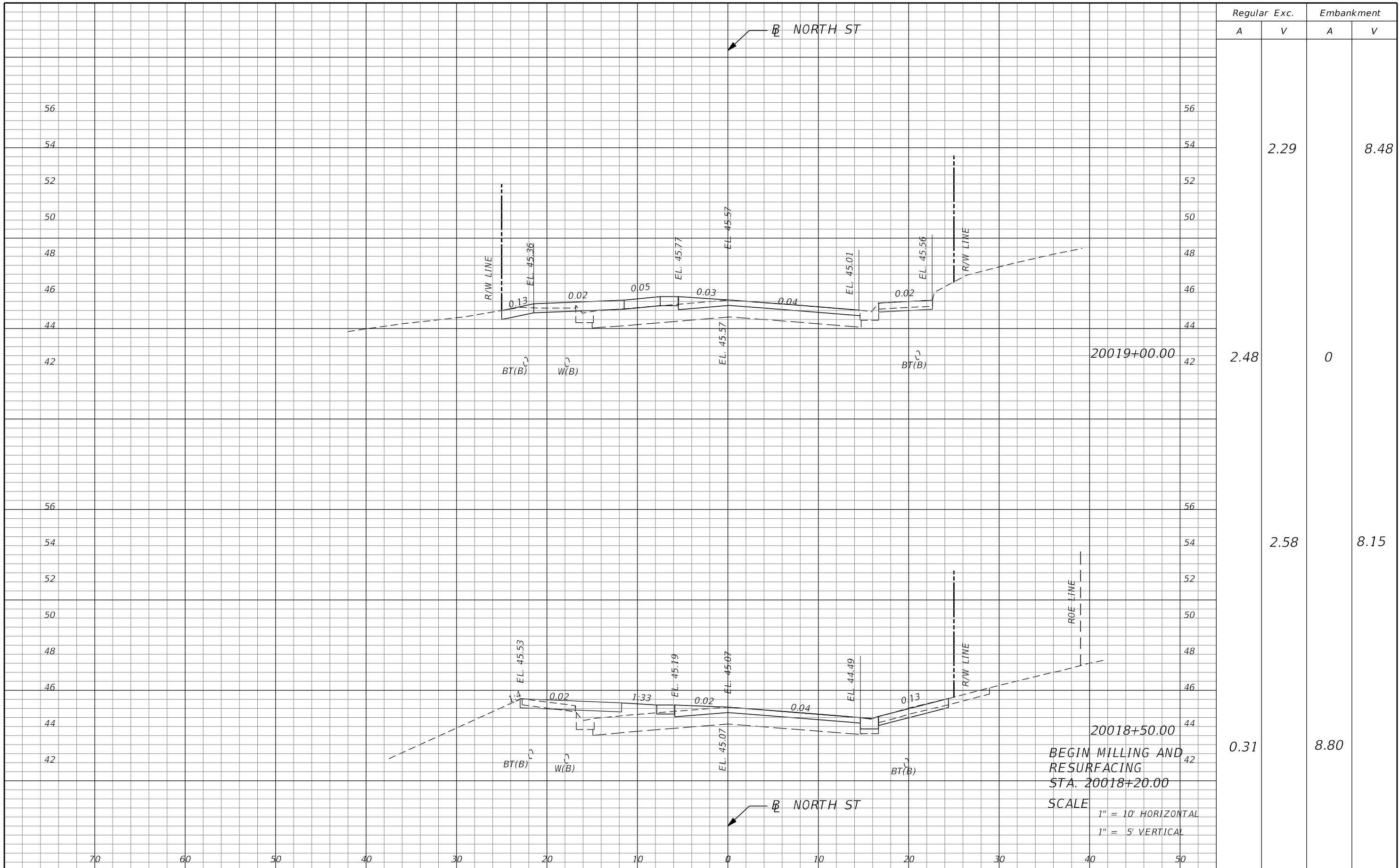


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 209

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



Regular Exc.		Embankment	
A	V	A	V
2.48	2.29	0	8.48
0.31	2.58	8.80	8.15

BEGIN MILLING AND RESURFACING STA. 20018+20.00
 SCALE 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER J. VALILA, P.E. LICENSE No. 90792
 315 E. ROBINSON ST. SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

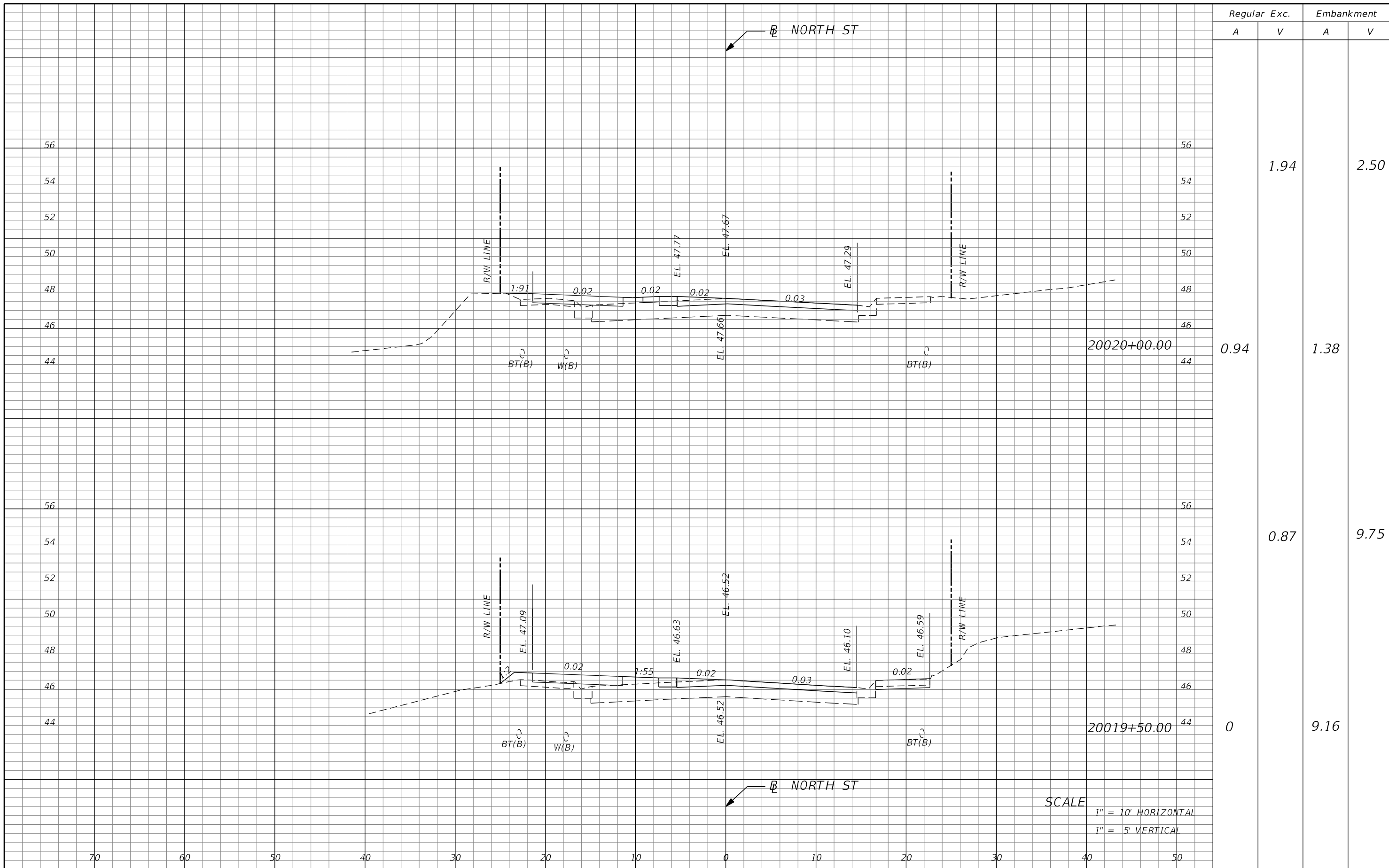


SEMINOLE COUNTY ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
210

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
	1.94		2.50		
0.94		1.38			
	0.87		9.75		
0		9.16			

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

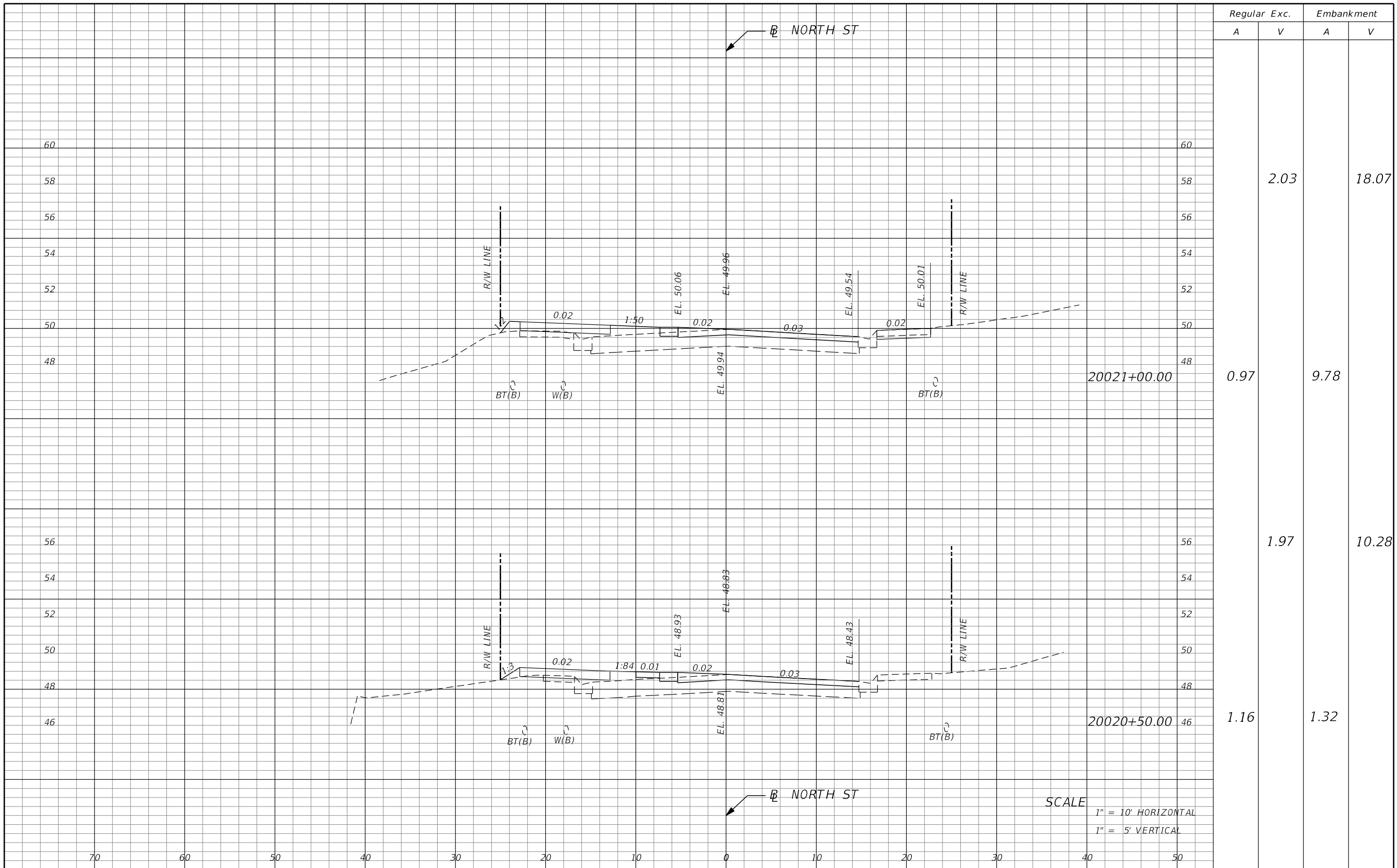


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 211

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Regular		Exc.		Embankment	
A	V	A	V	A	V
			2.03		18.07
0.97				9.78	
	1.97				10.28
1.16				1.32	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

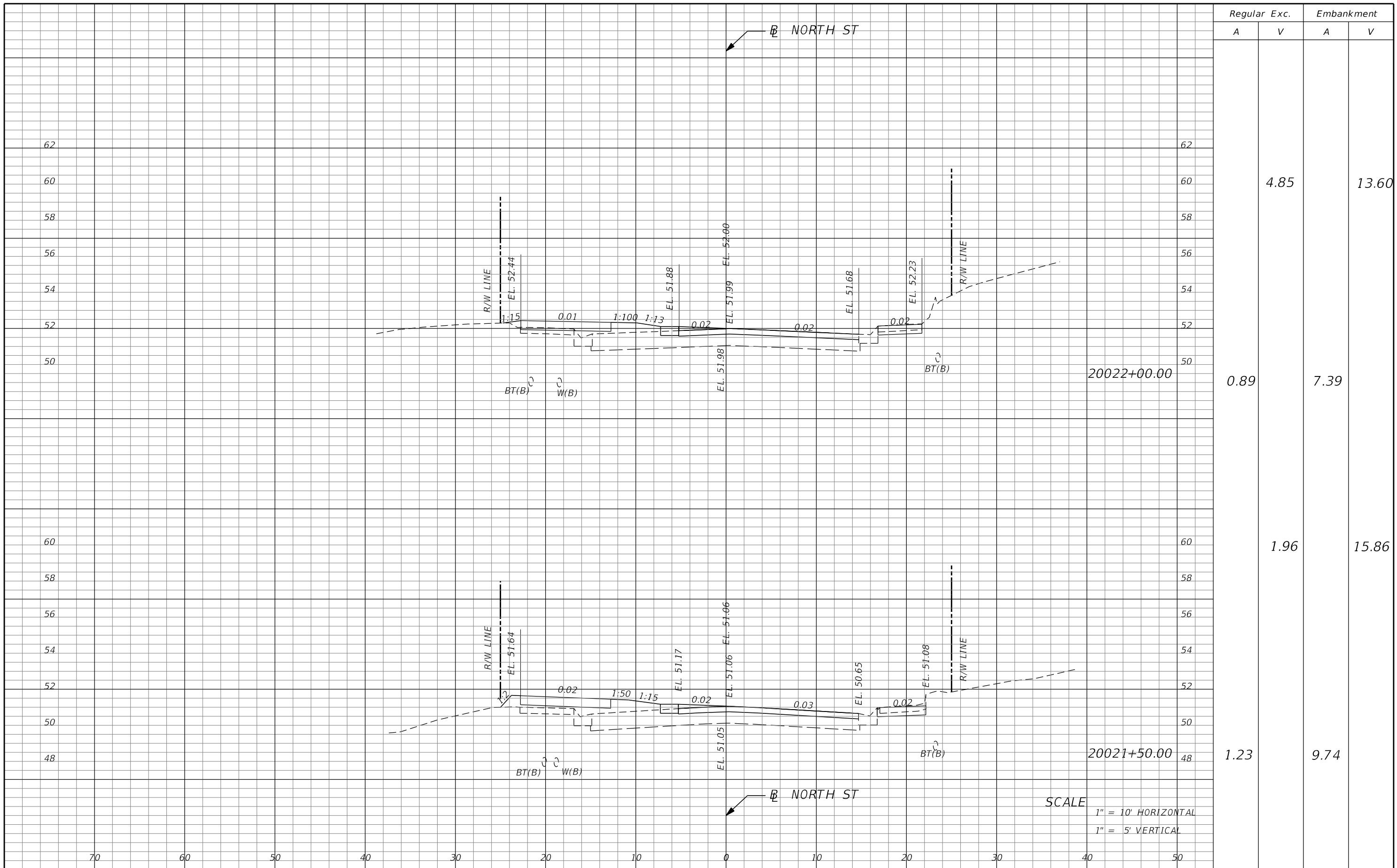
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

CROSS SECTIONS

SHEET NO.
 212

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			4.85		13.60
0.89				7.39	
			1.96		15.86
1.23				9.74	

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

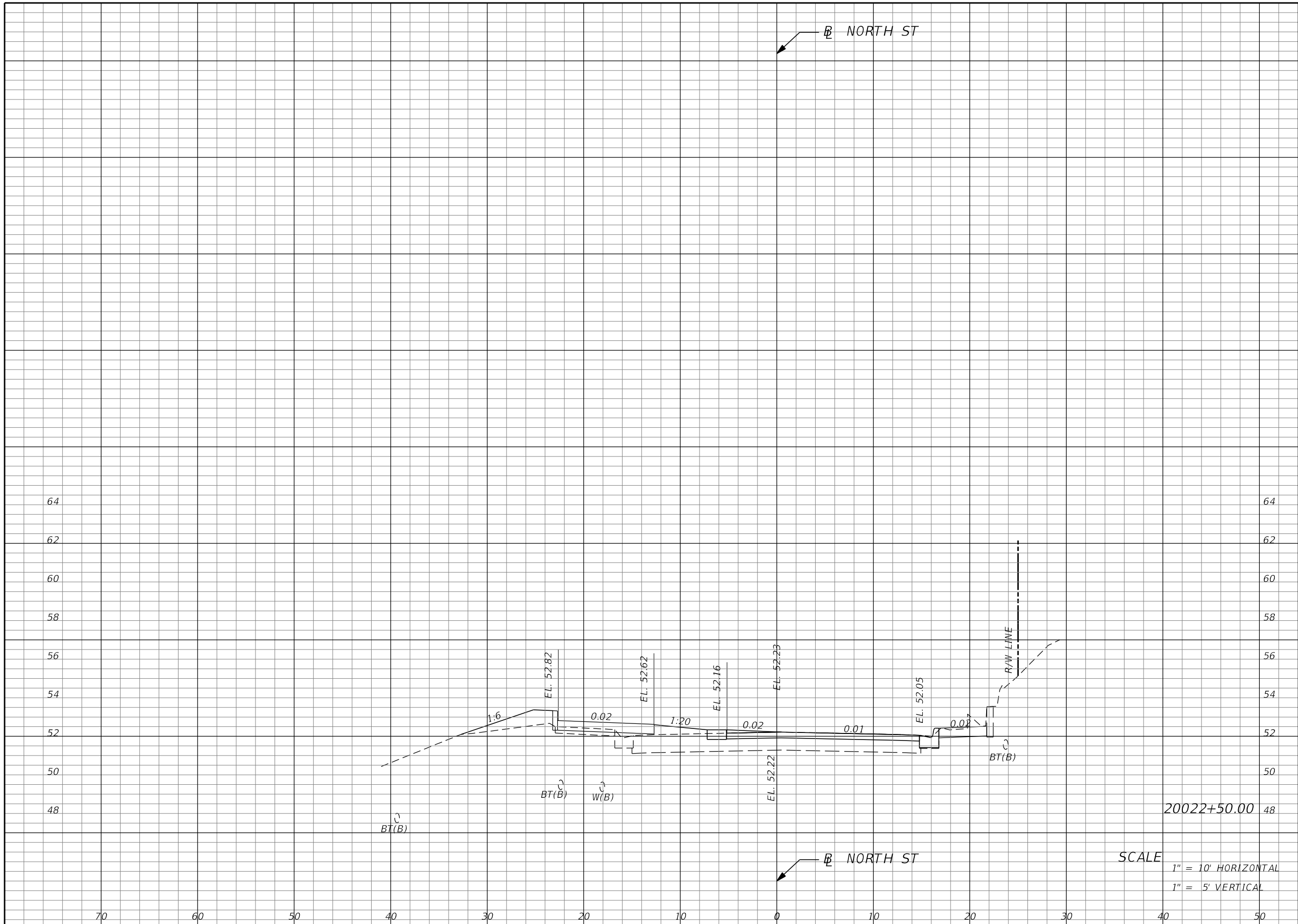


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 213

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



Regular Exc.		Embankment	
A	V	A	V
4.35	4.91	7.30	6.99

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

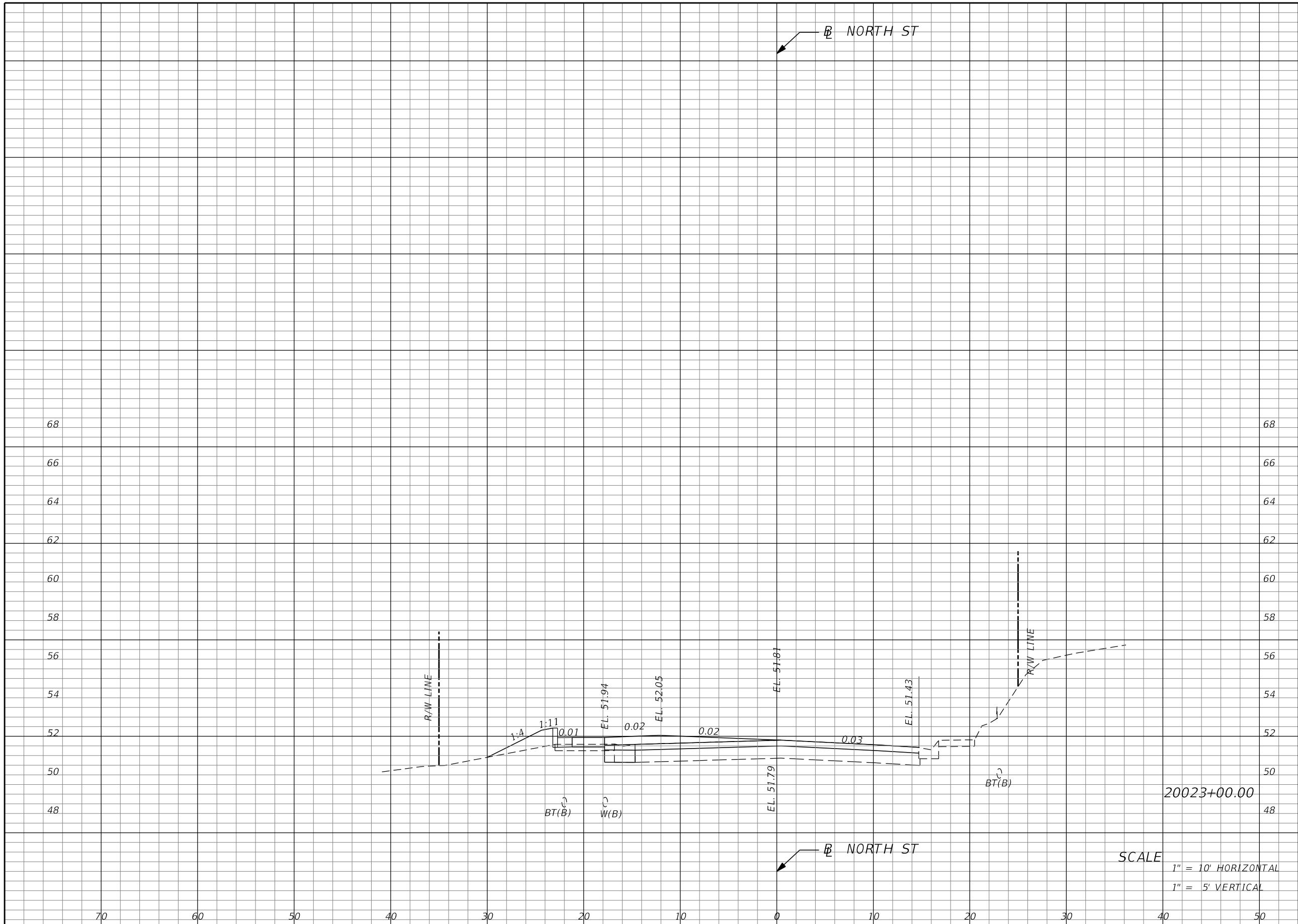


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 214

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			0.88		8.72
0.95				0.25	

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

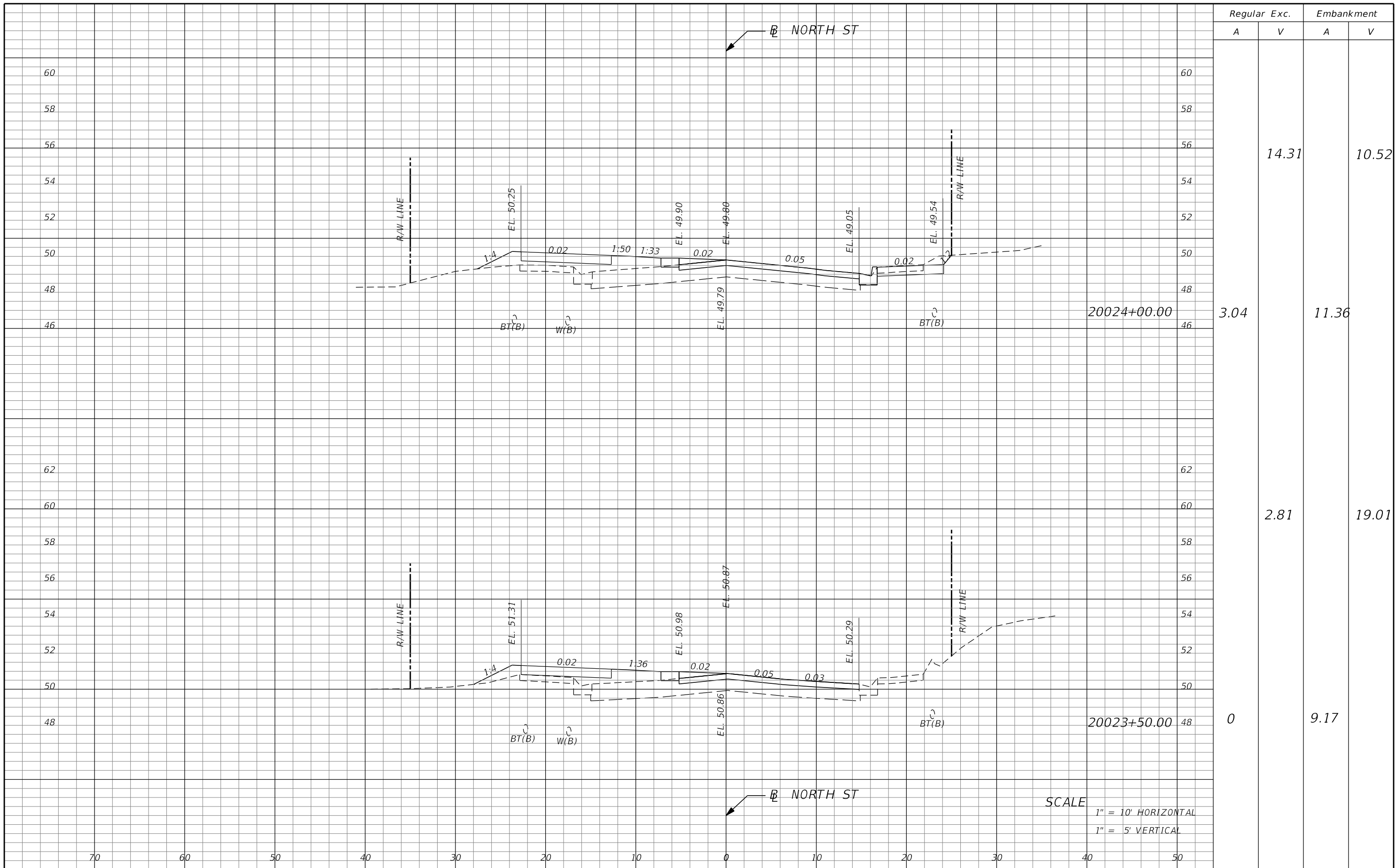


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 215

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
3.04	14.31	0	10.52	0	19.01

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

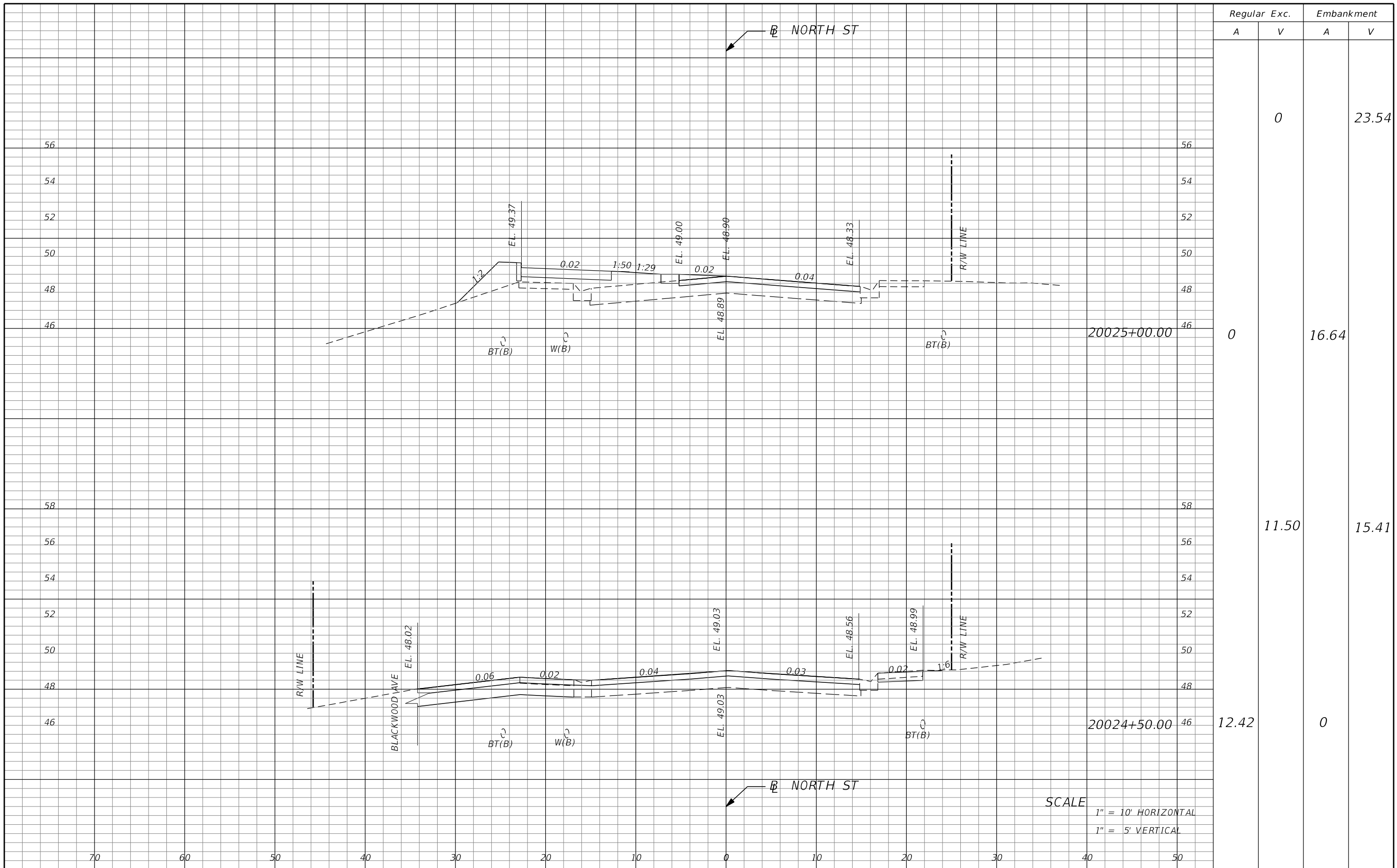
TYLER VALILA, P.E.
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 ORLANDO, FL 32801
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 216

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
	0				23.54
0		16.64			
	11.50				15.41
12.42		0			

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

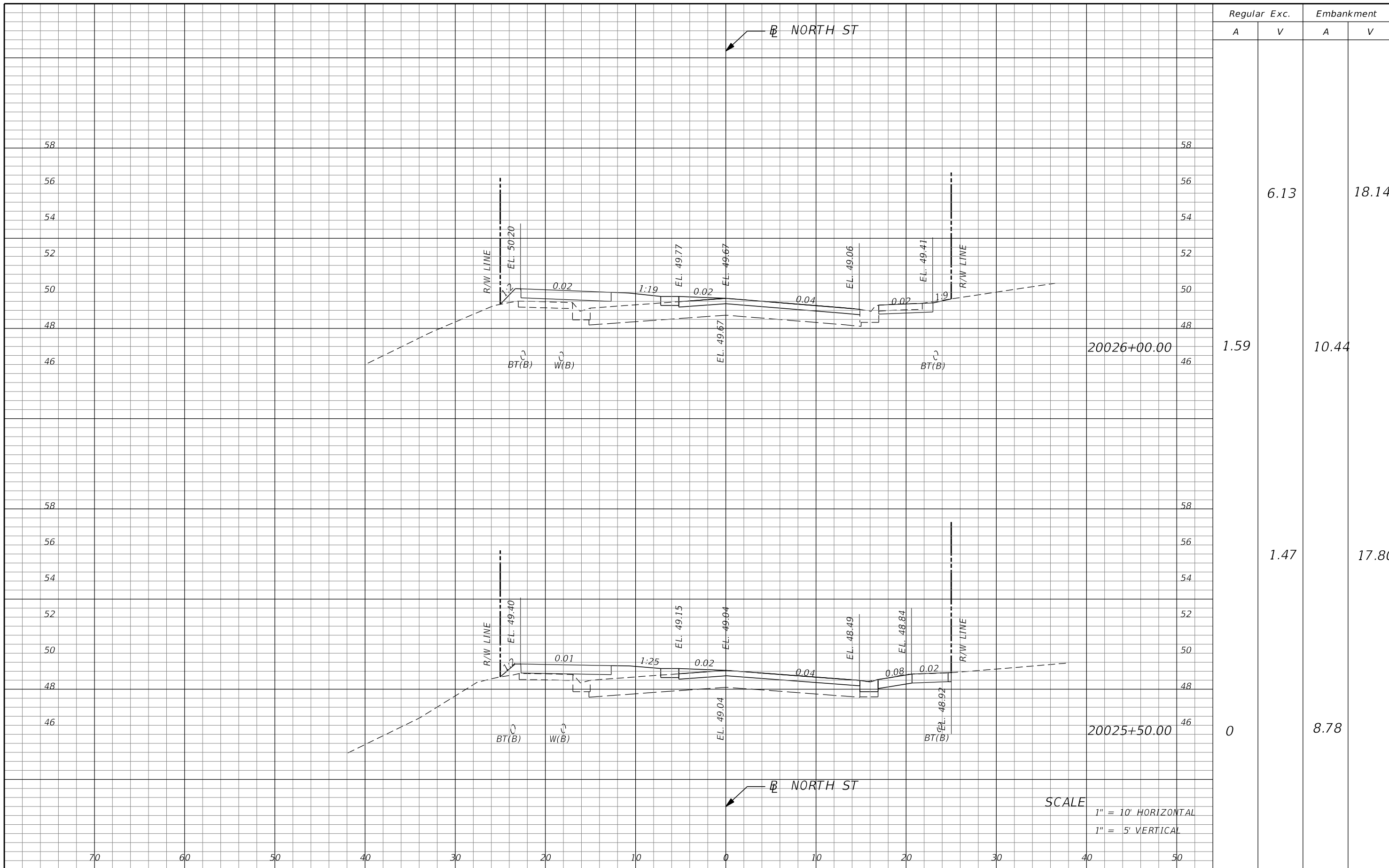


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 217

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			6.13		18.14
1.59				10.44	
			1.47		17.80
0				8.78	

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

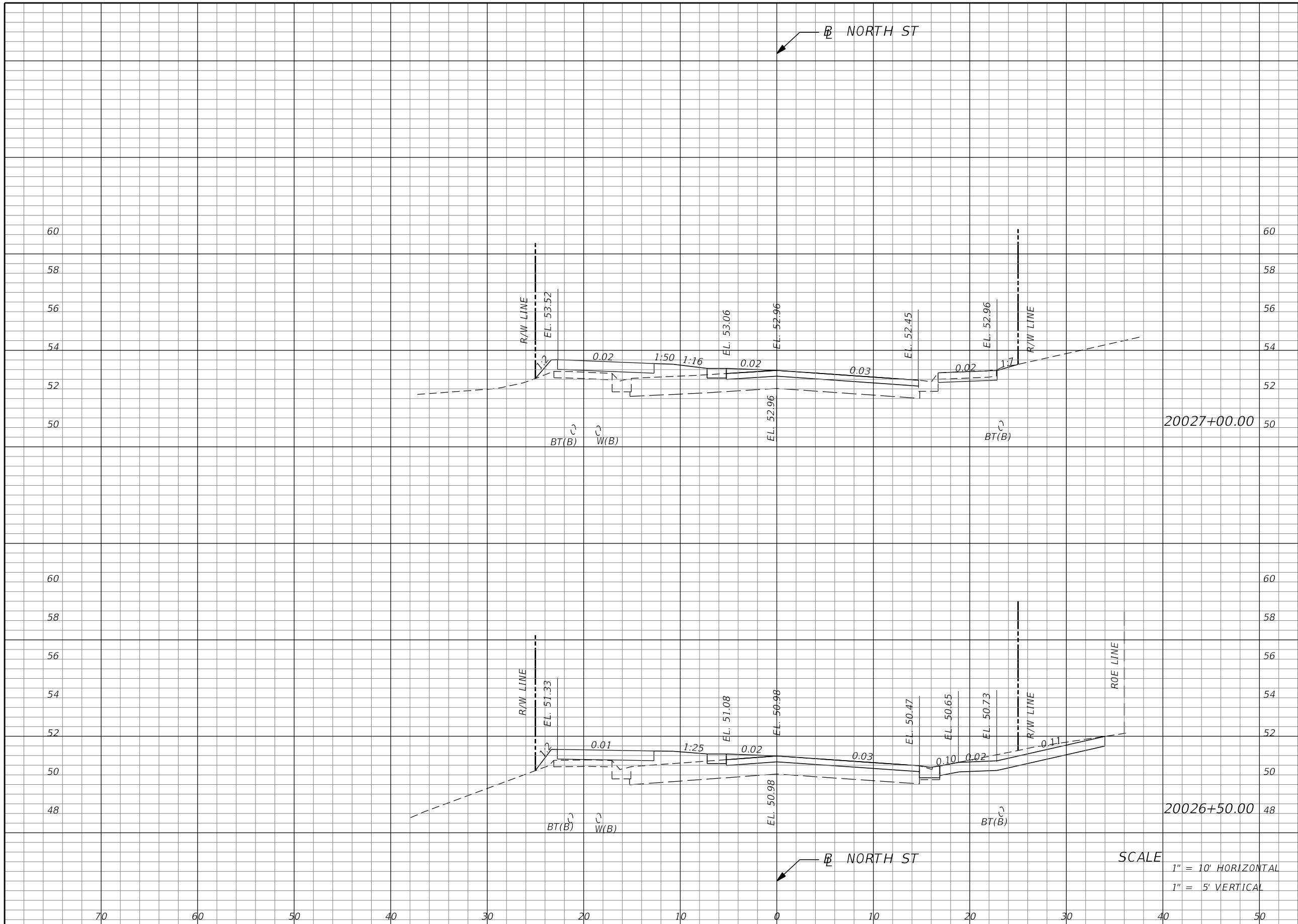


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 218

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			6.70		9.68
1.20				9.42	
		5.77			17.19
5.03				9.15	

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

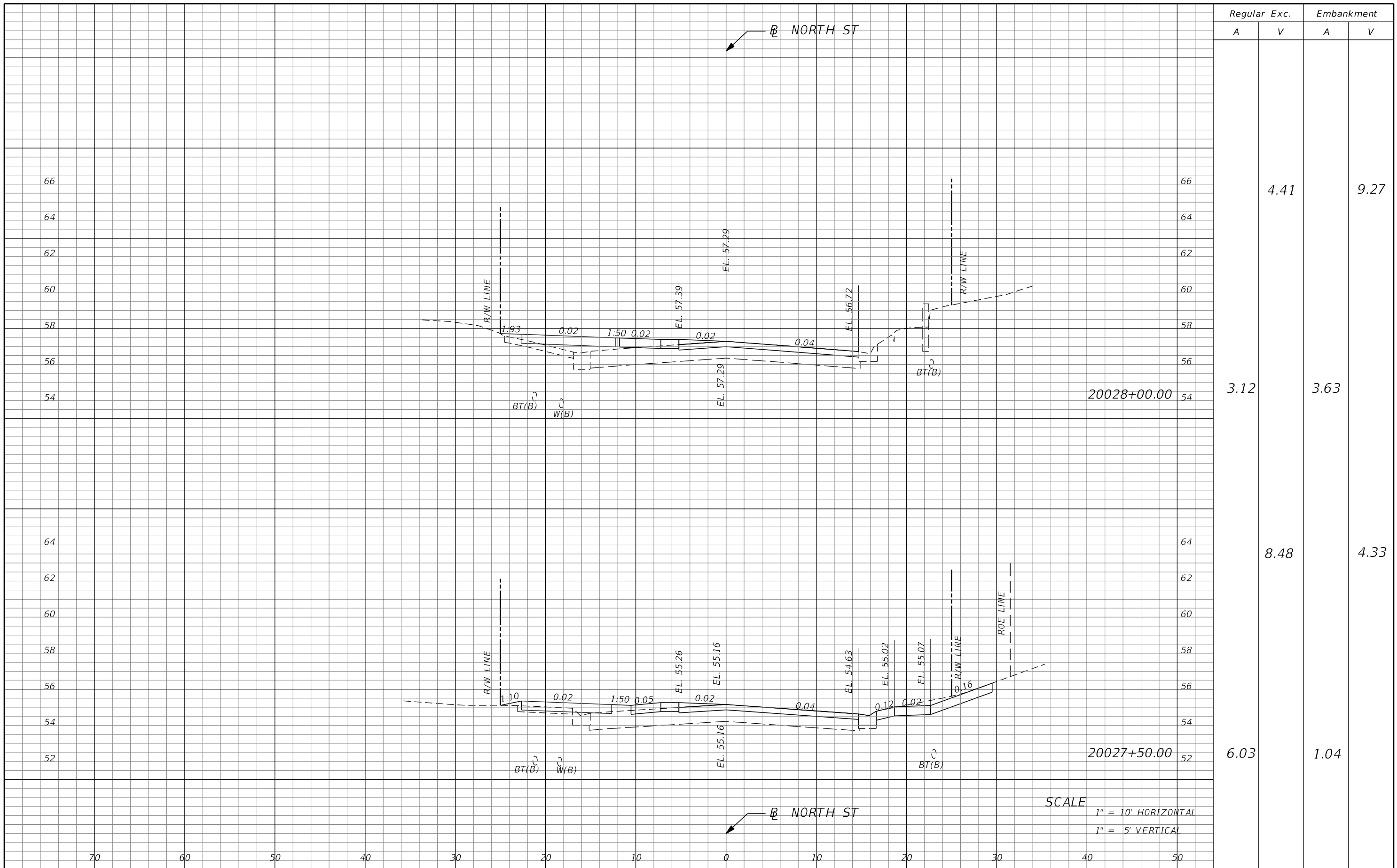
TYLER VALILA, P.E.
 LICENSE NO. 90792
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 219

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



SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

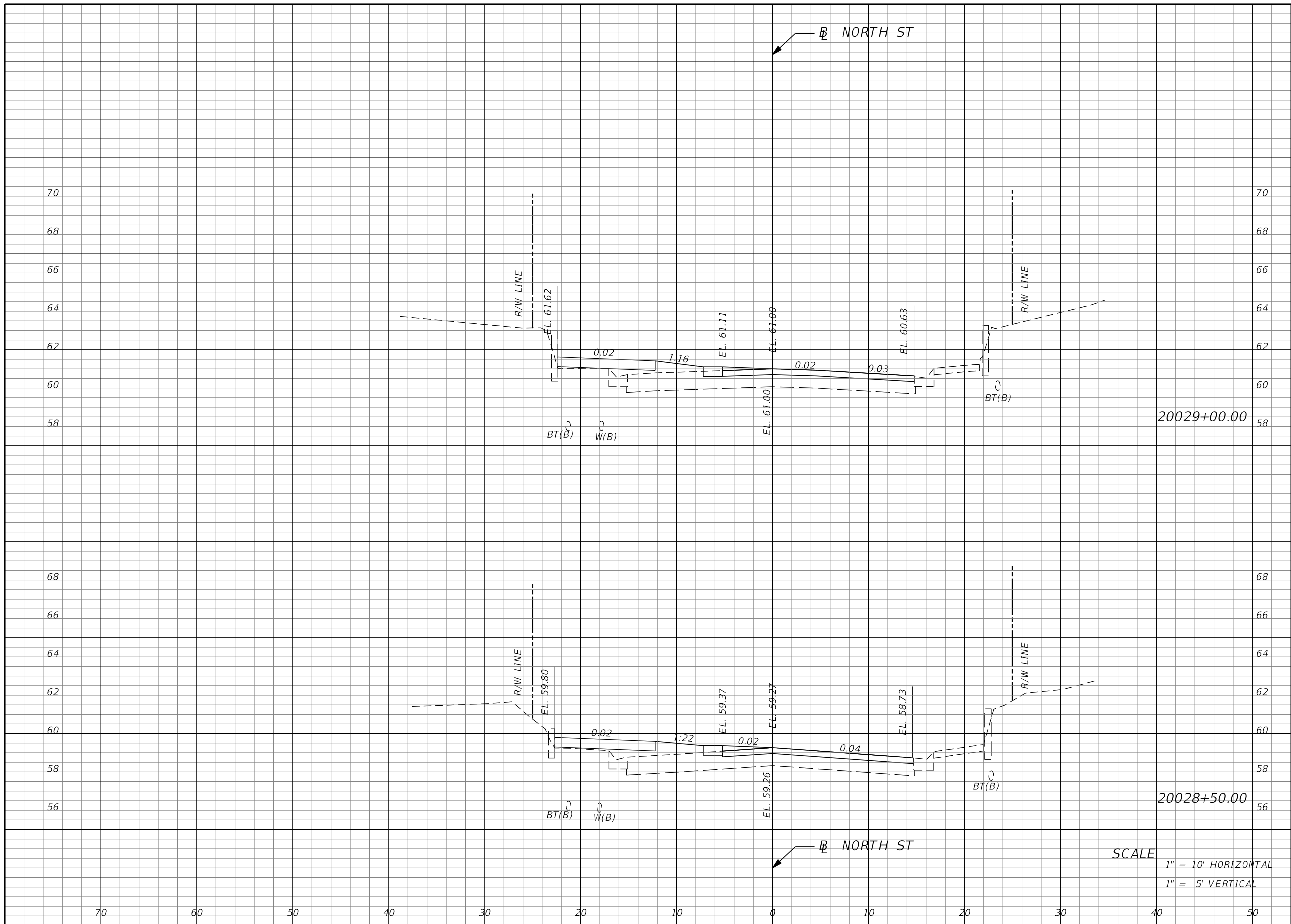
TYLER VALILA, P.E.
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
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 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 220

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			1.22		4.94
1.32				5.34	
			2.74		10.85
1.64				6.38	

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
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 FAX 407.420.4242

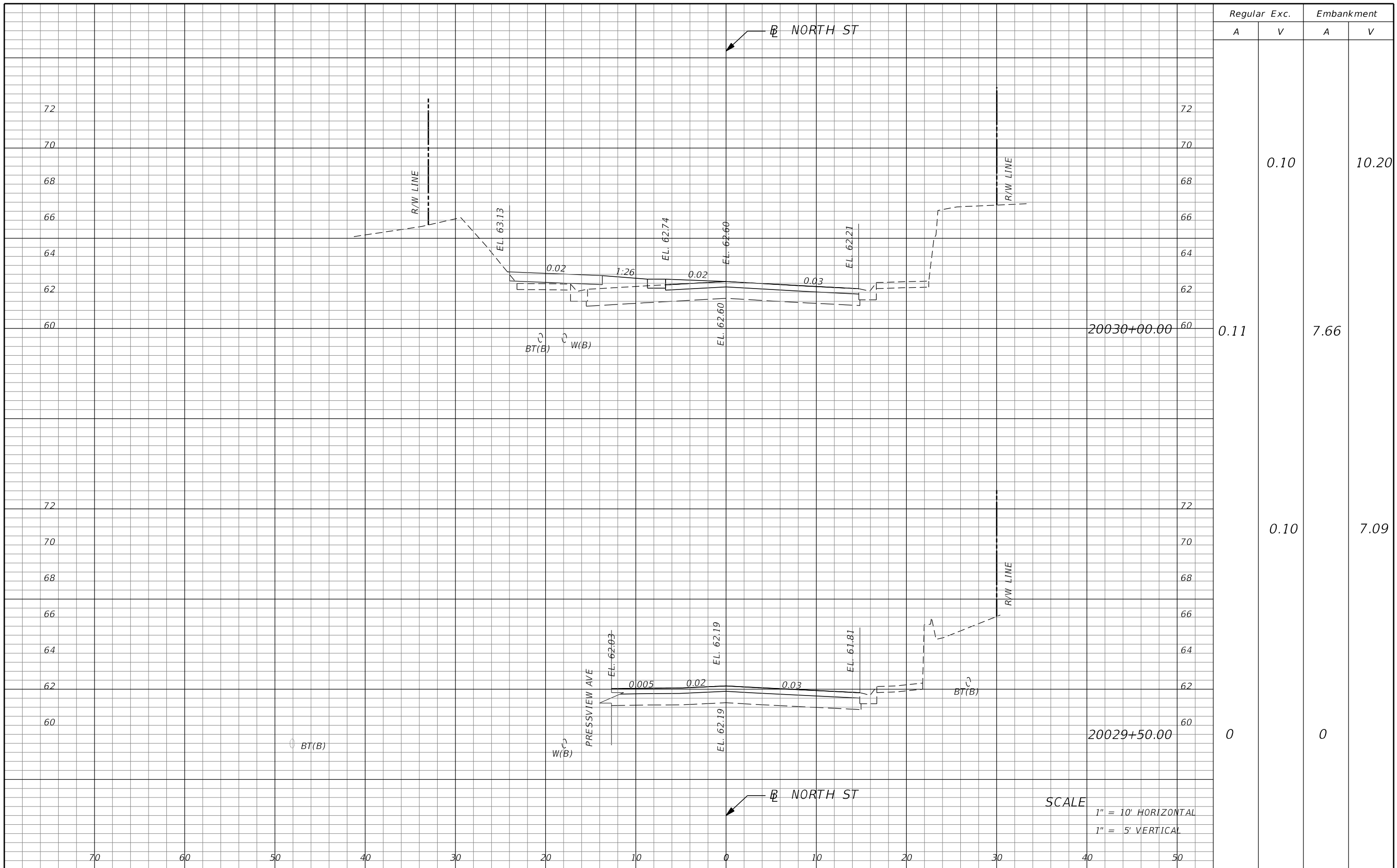


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 221

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			0.10		10.20
0.11				7.66	
			0.10		7.09
0				0	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



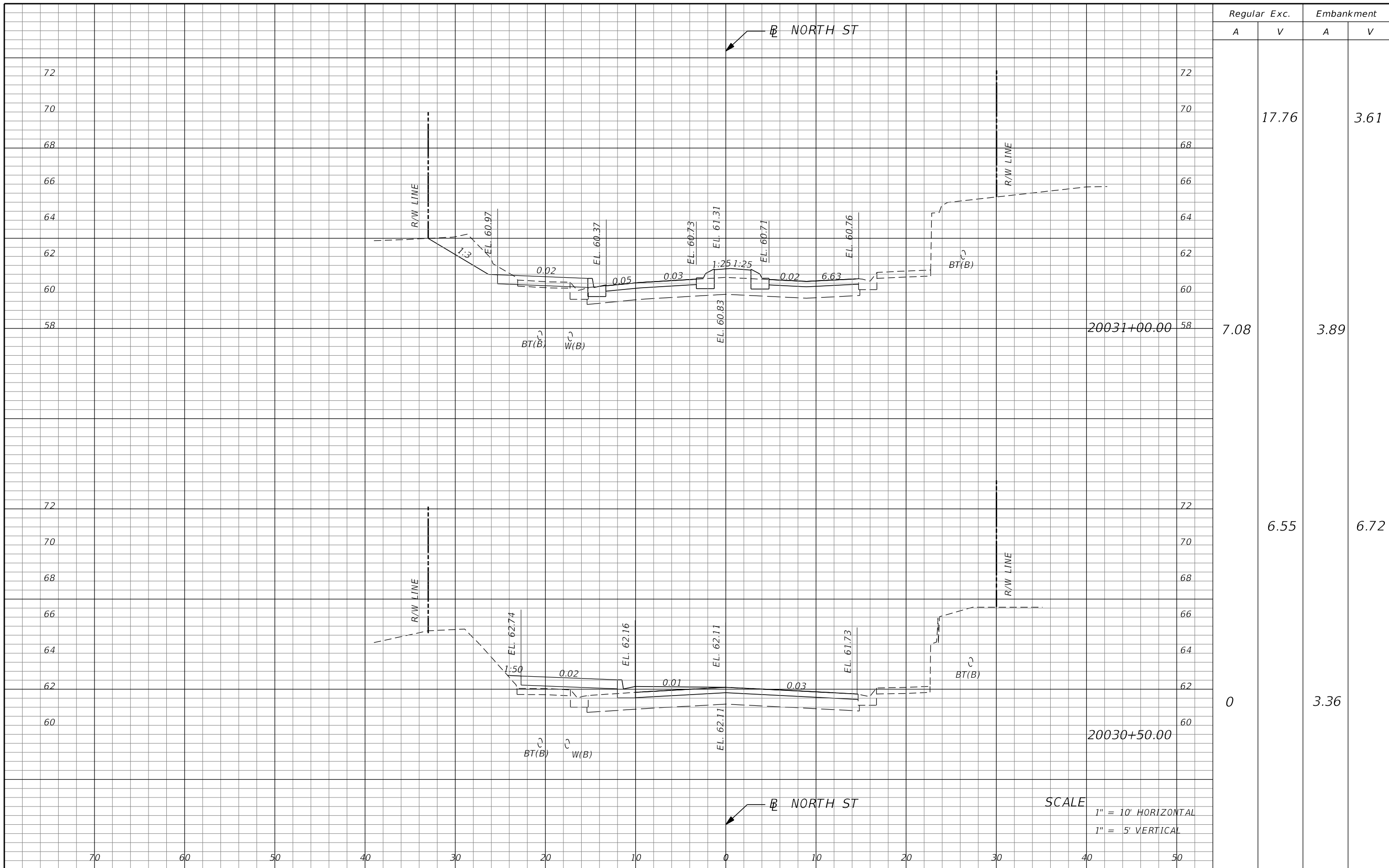
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

CROSS SECTIONS

SHEET NO.
 222

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			17.76		3.61
7.08				3.89	
	6.55				6.72
0				3.36	

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

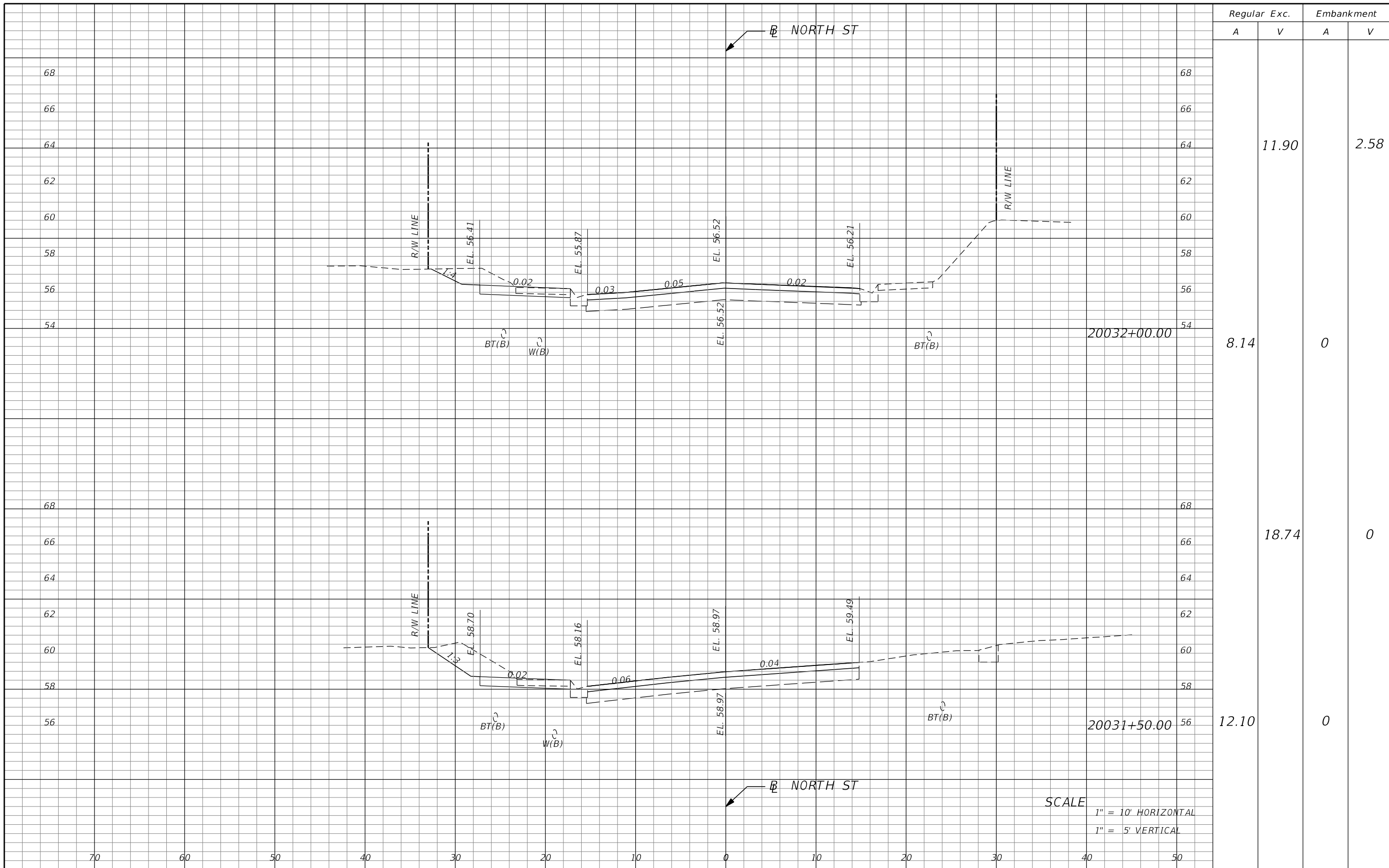


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 223

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			11.90		2.58
8.14				0	
			18.74		0
12.10				0	

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

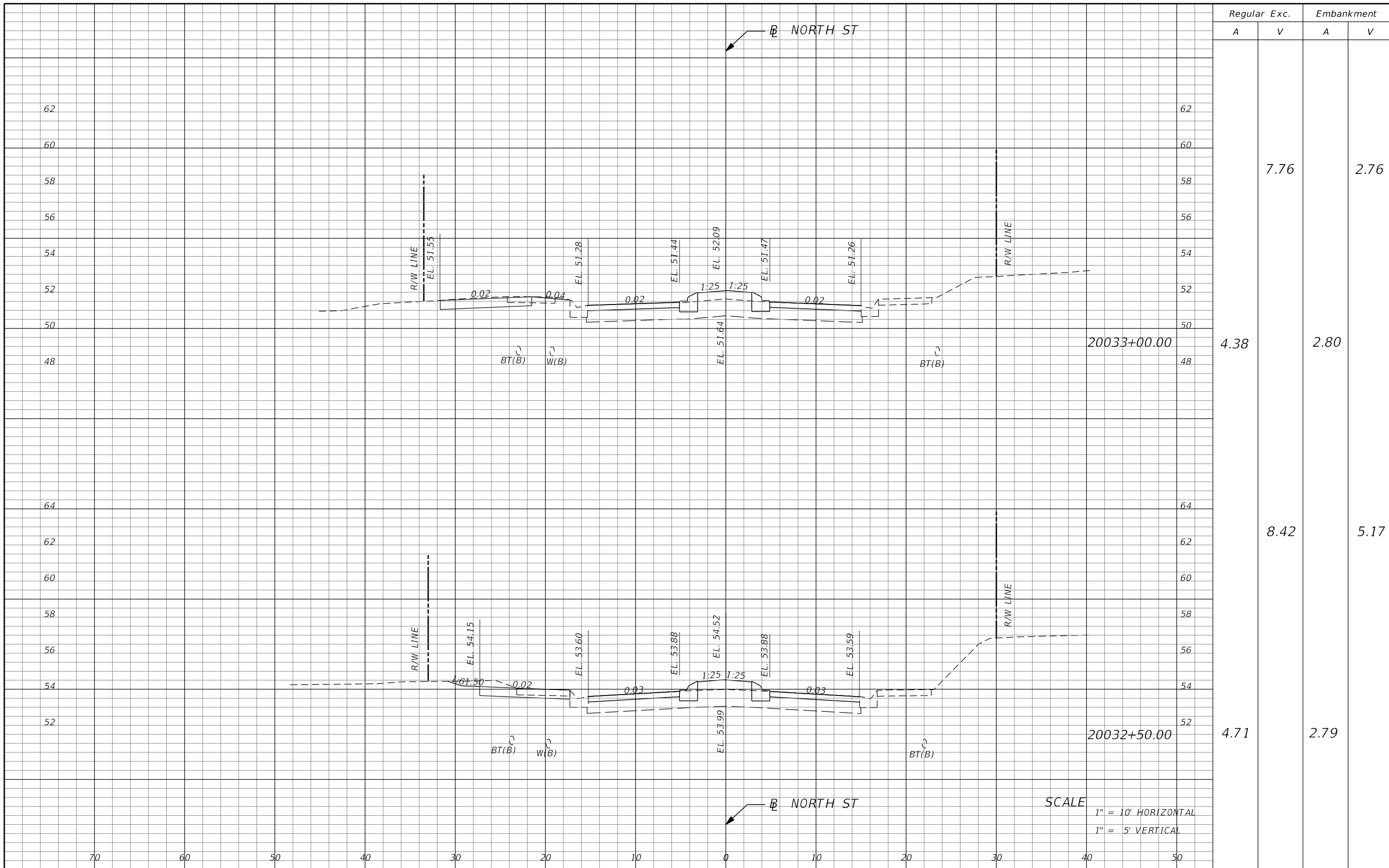


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 224

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



SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

Regular Exc.		Embankment	
A	V	A	V
4.38	7.76	2.80	2.76
4.71	8.42	2.79	5.17

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

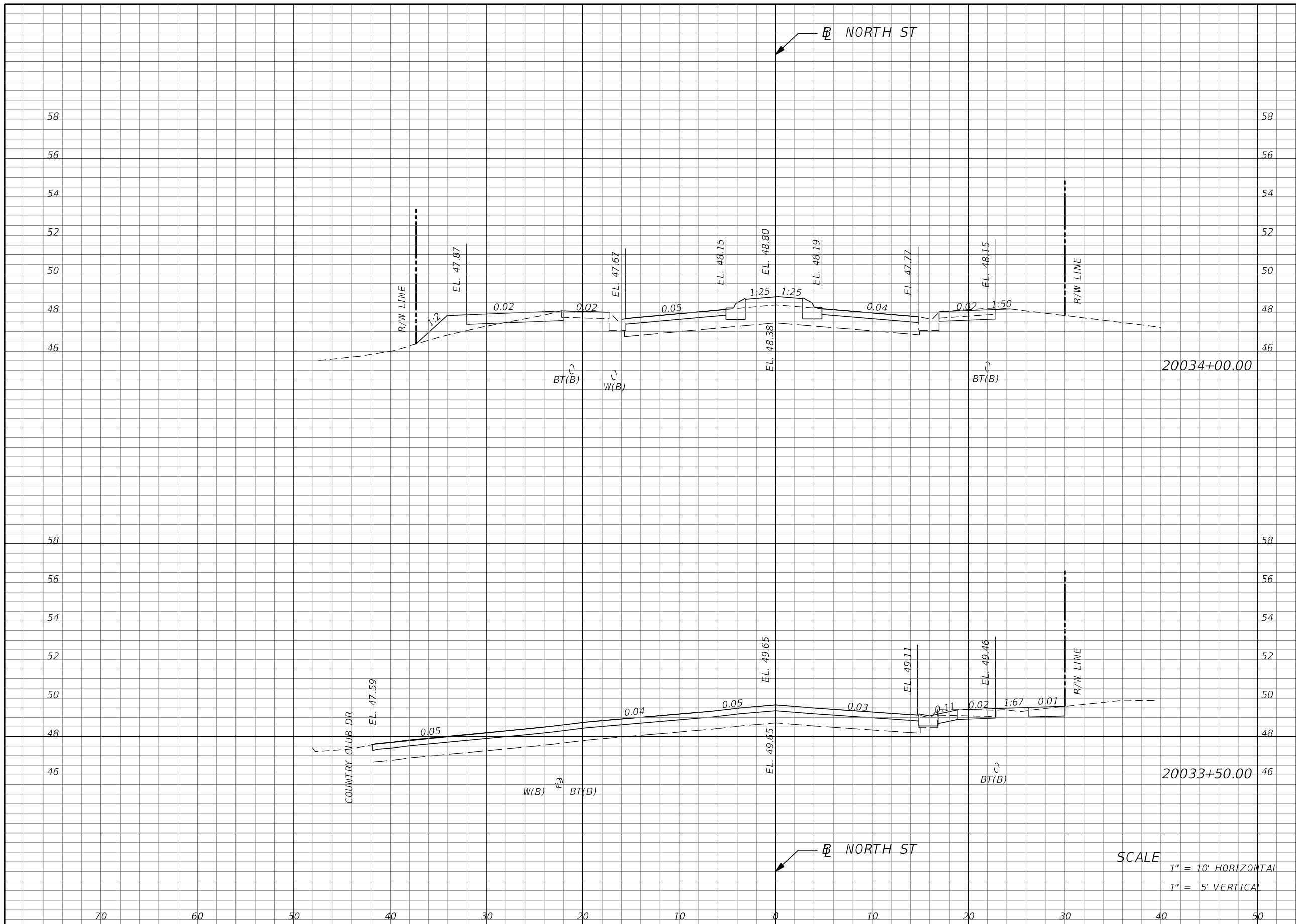


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 225

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			11.54		10.55
2.75				8.20	
	6.25				7.76
4.00				0.18	

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

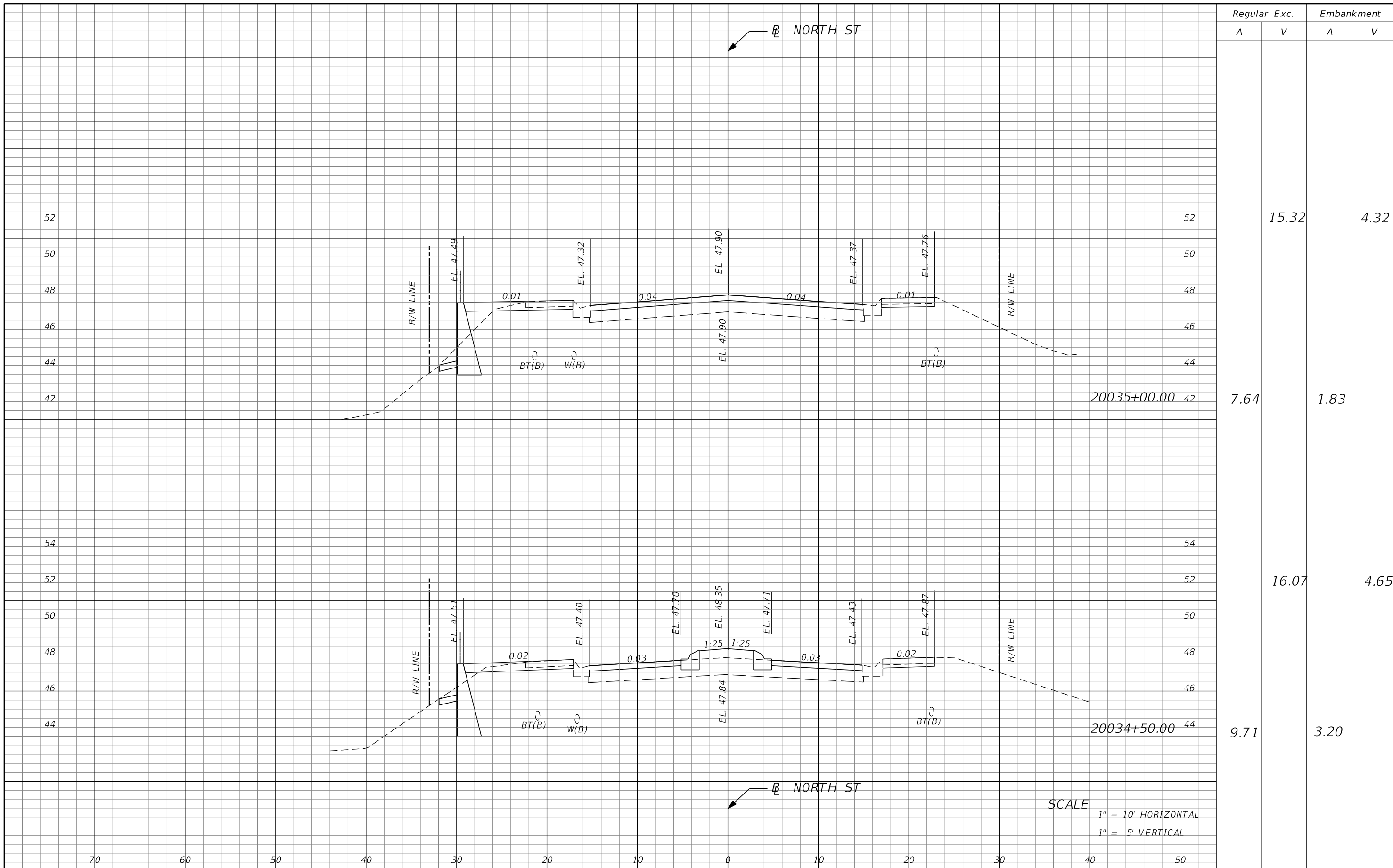


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 226

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			15.32		4.32
7.64				1.83	
			16.07		4.65
9.71				3.20	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



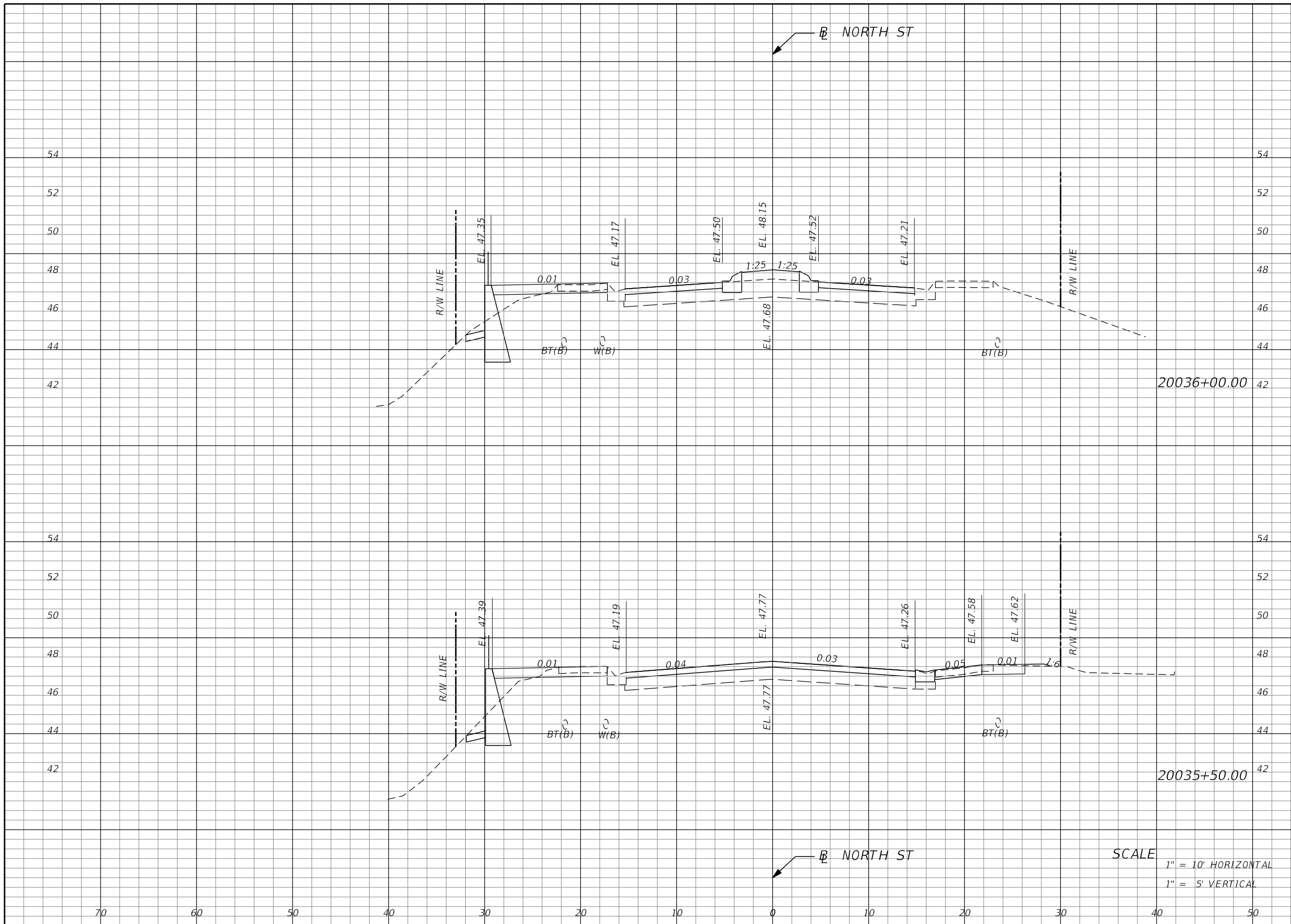
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

CROSS SECTIONS

SHEET NO.
 227

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			11.35		11.02
6.36		7.56			
	14.13				9.63
8.90		2.84			

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

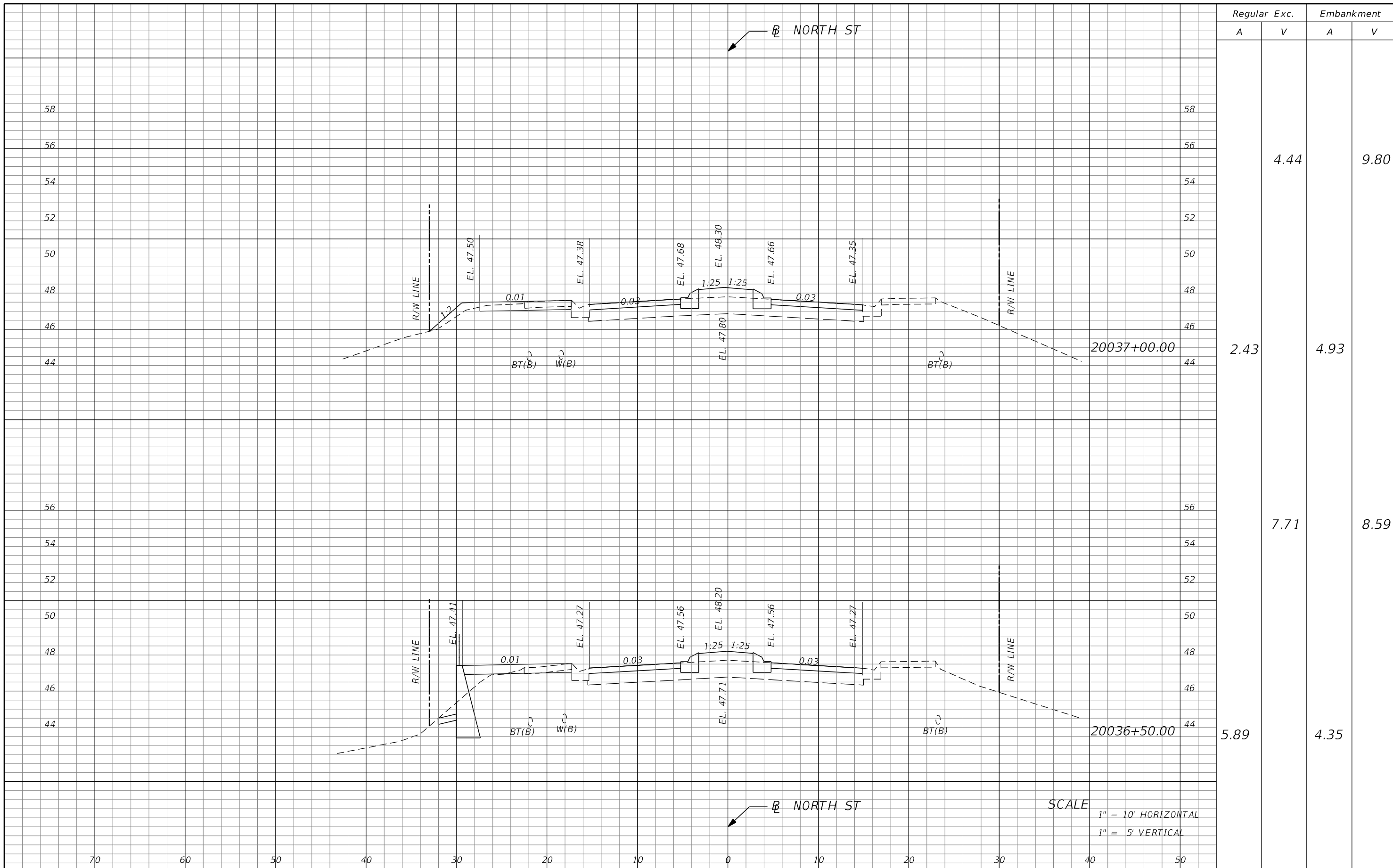


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 228

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			4.44		9.80
2.43		4.93			
	7.71			8.59	
5.89		4.35			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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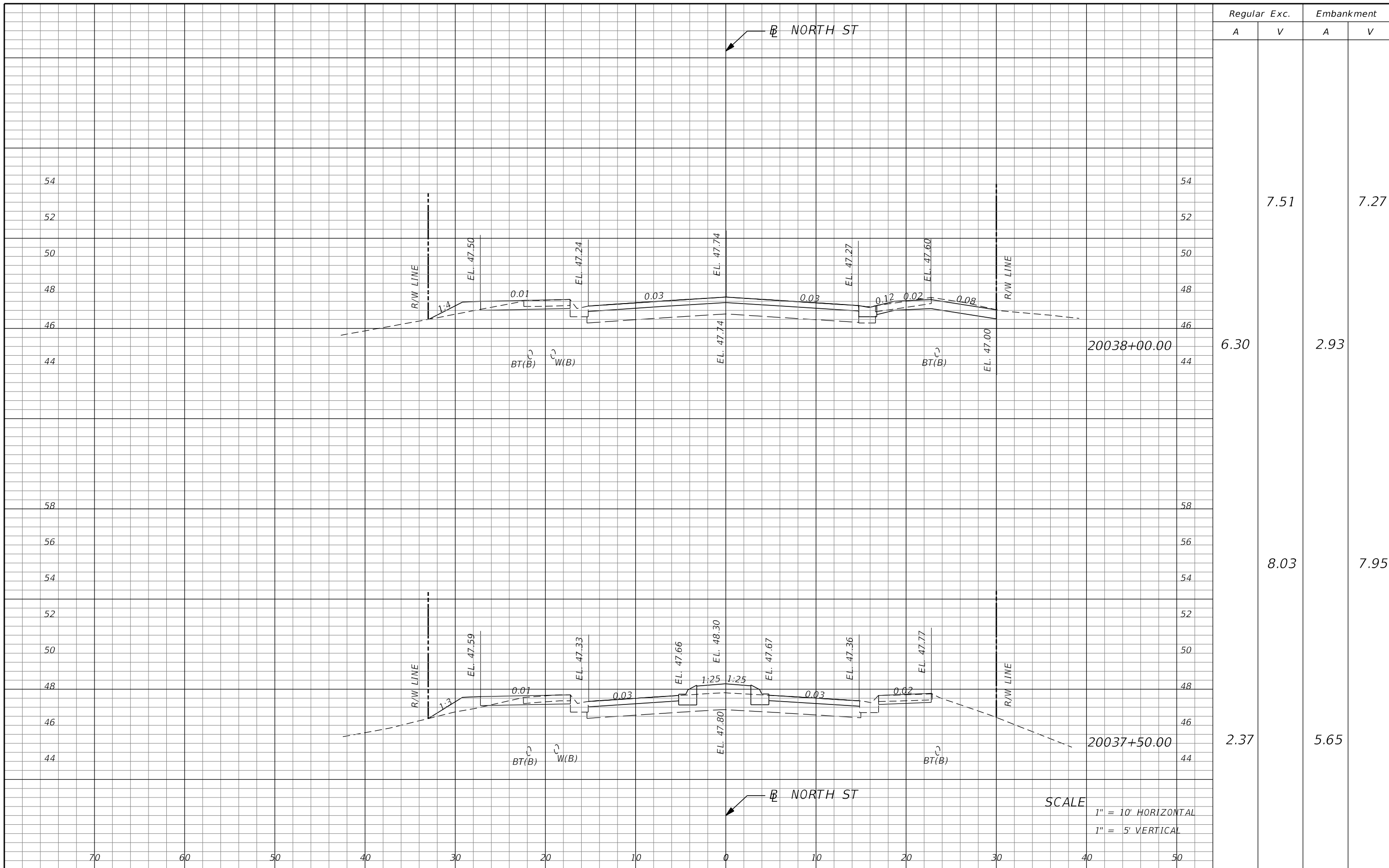
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

CROSS SECTIONS

SHEET NO.
 229

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
6.30	7.51	2.93	7.27	2.37	7.95

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

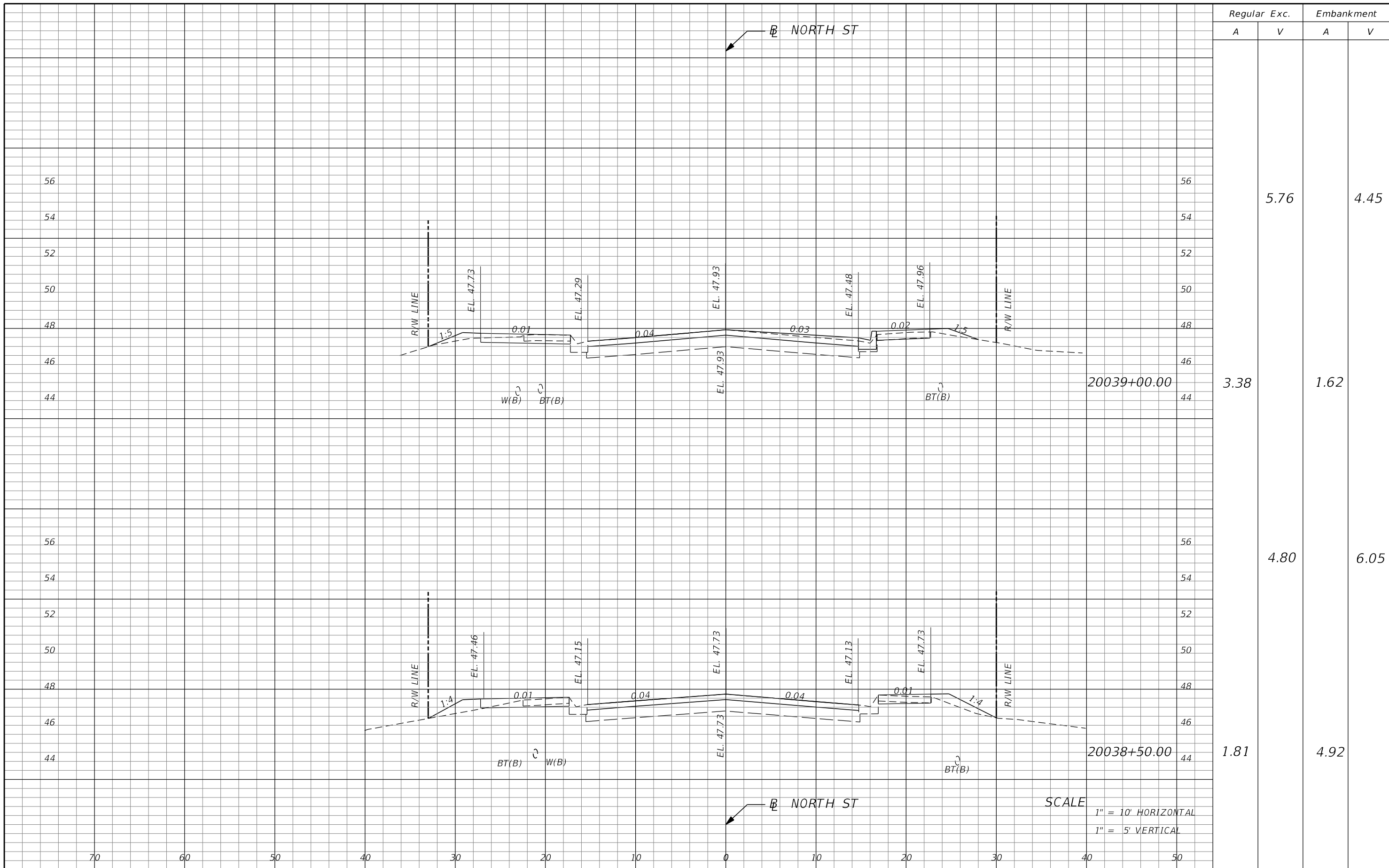


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 230

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			5.76		4.45
3.38		1.62			
	4.80		6.05		
1.81		4.92			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

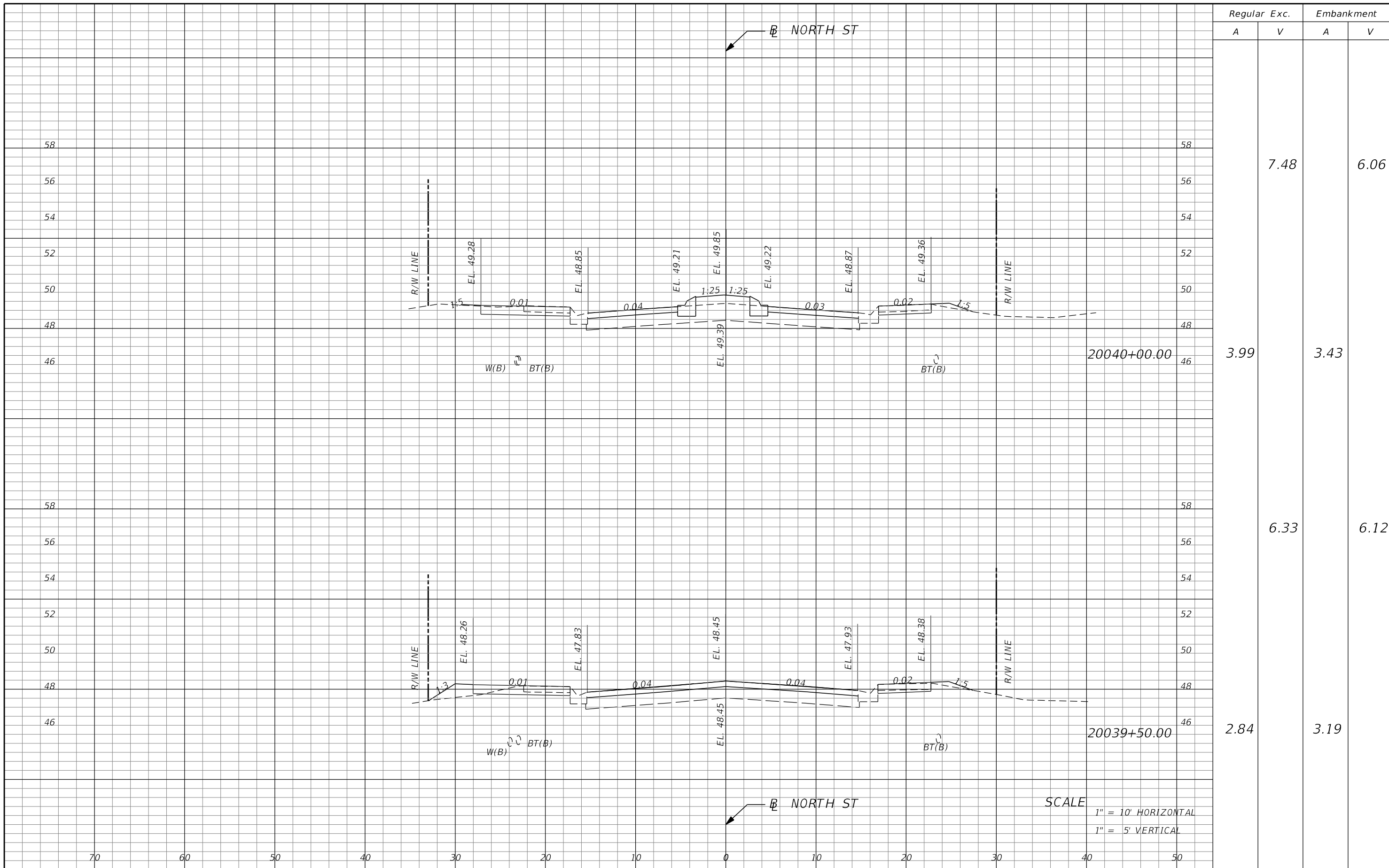
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

CROSS SECTIONS

SHEET NO.
 231

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			7.48		6.06
3.99		3.43			
	6.33				6.12
2.84		3.19			

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

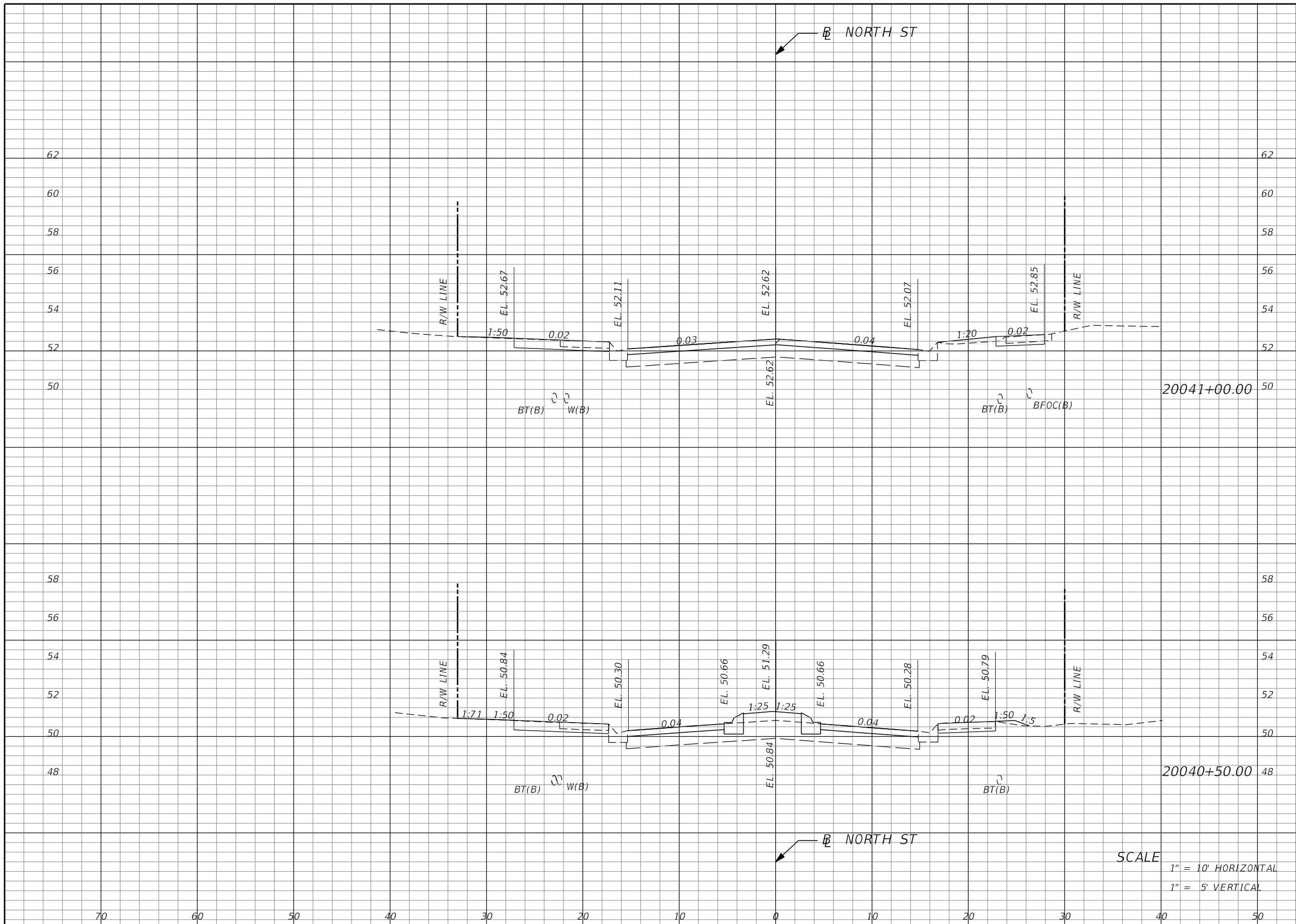


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 232

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			11.91		4.35
7.12				4.58	
			10.38		7.13
4.09				3.12	

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

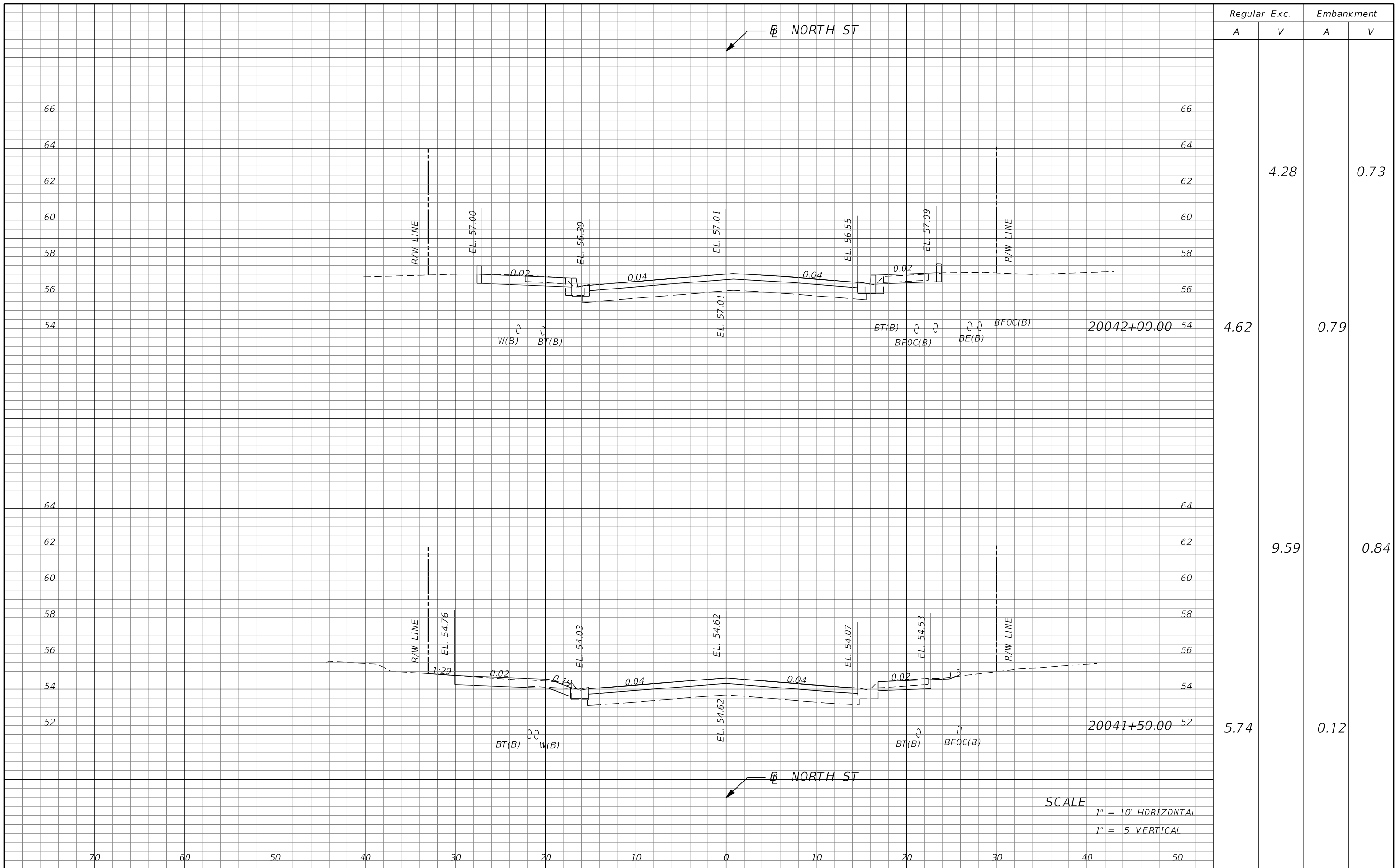


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 233

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
4.62	4.28	0.79	0.73		
5.74	9.59	0.12	0.84		

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

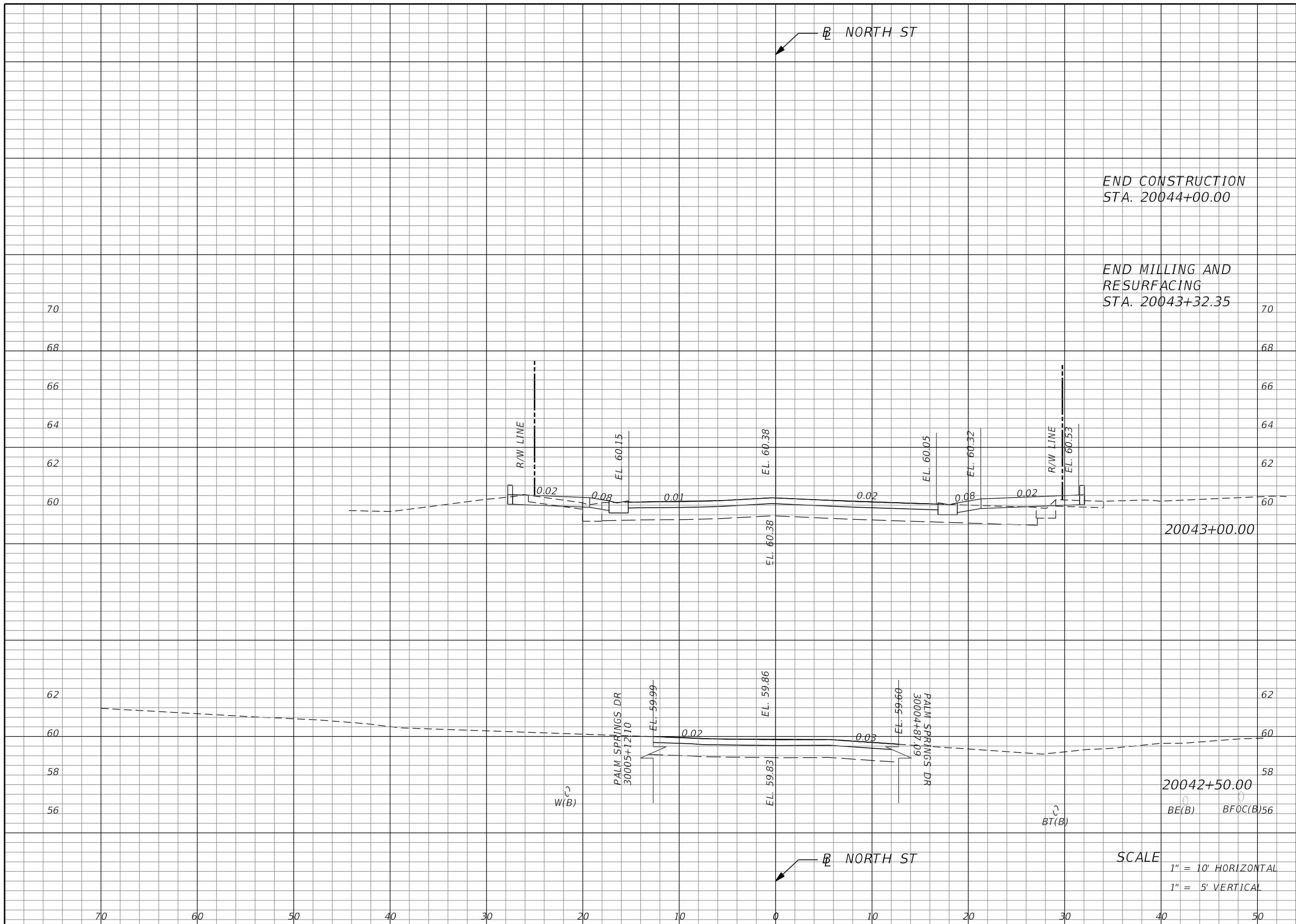


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 234

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
1.23	1.14	3.74	3.46	0	0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

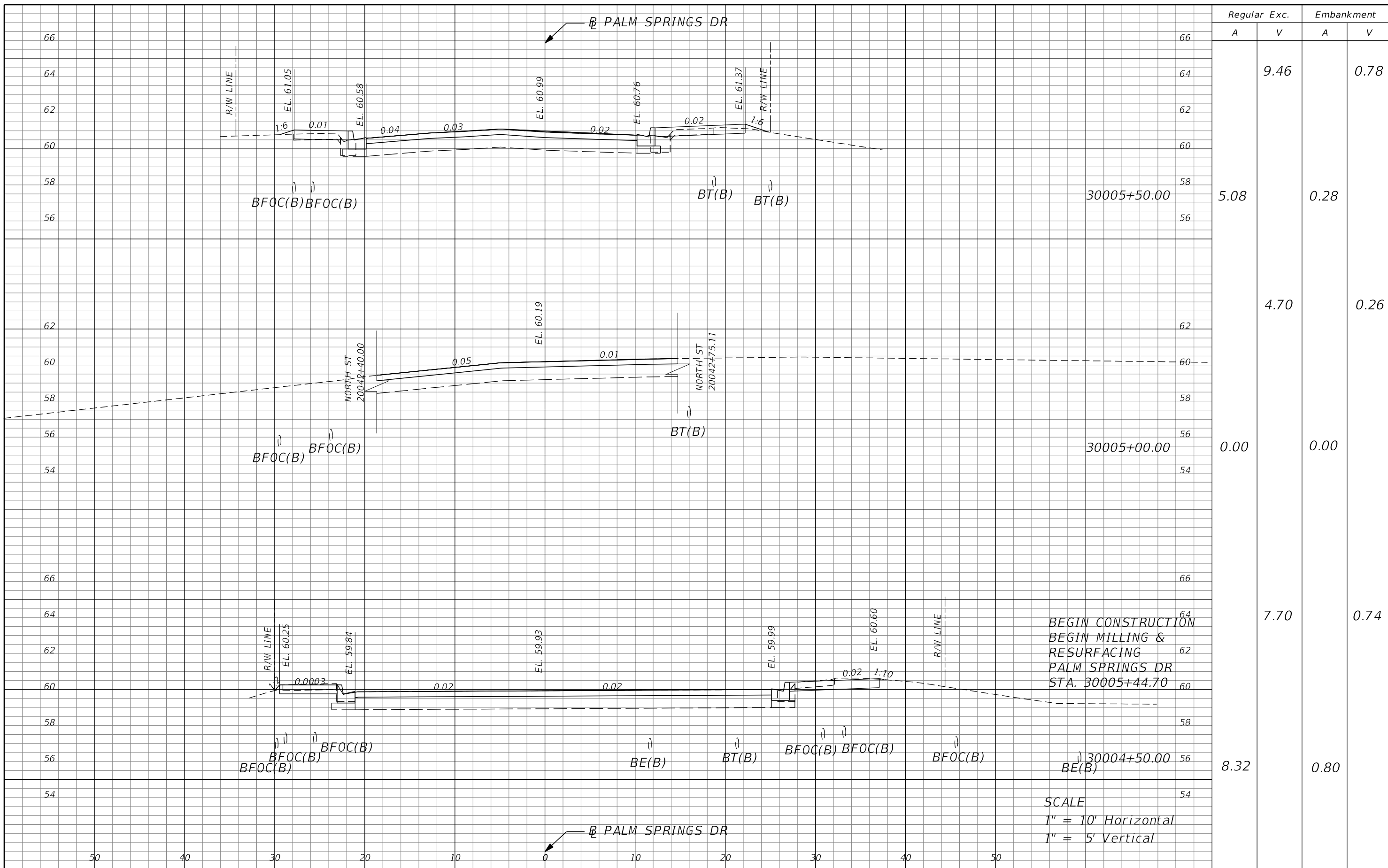
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

SCALE
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL

CROSS SECTIONS

SHEET NO.
 235

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




Regular		Exc.		Embankment	
A	V	A	V	A	V
			9.46		0.78
5.08				0.28	
	4.70				0.26
0.00				0.00	
	7.70				0.74
8.32				0.80	

BEGIN CONSTRUCTION
 BEGIN MILLING &
 RESURFACING
 PALM SPRINGS DR
 STA. 30005+44.70

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

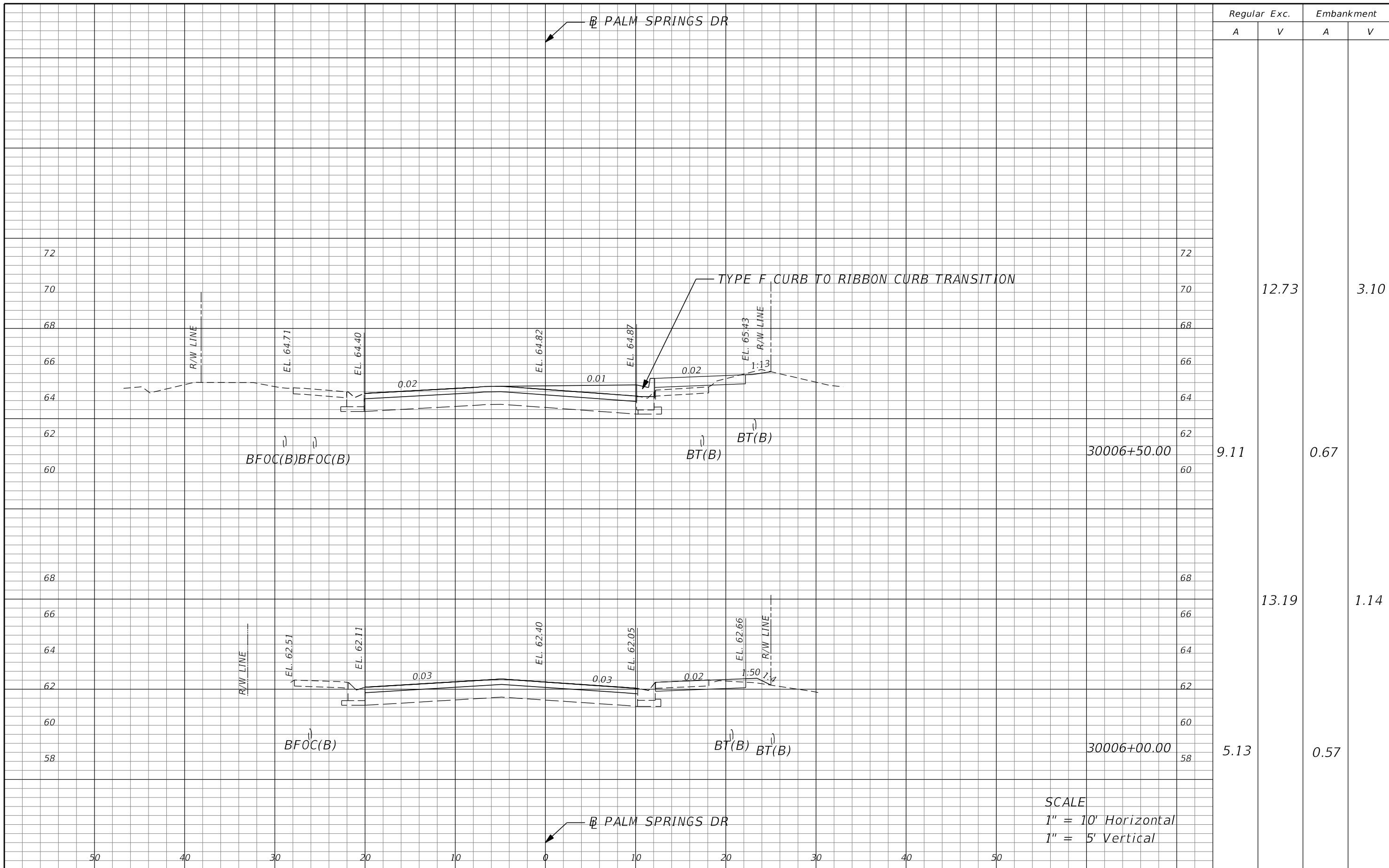


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 236

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
9.11	12.73	0.67	3.10		
5.13	13.19	0.57	1.14		

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

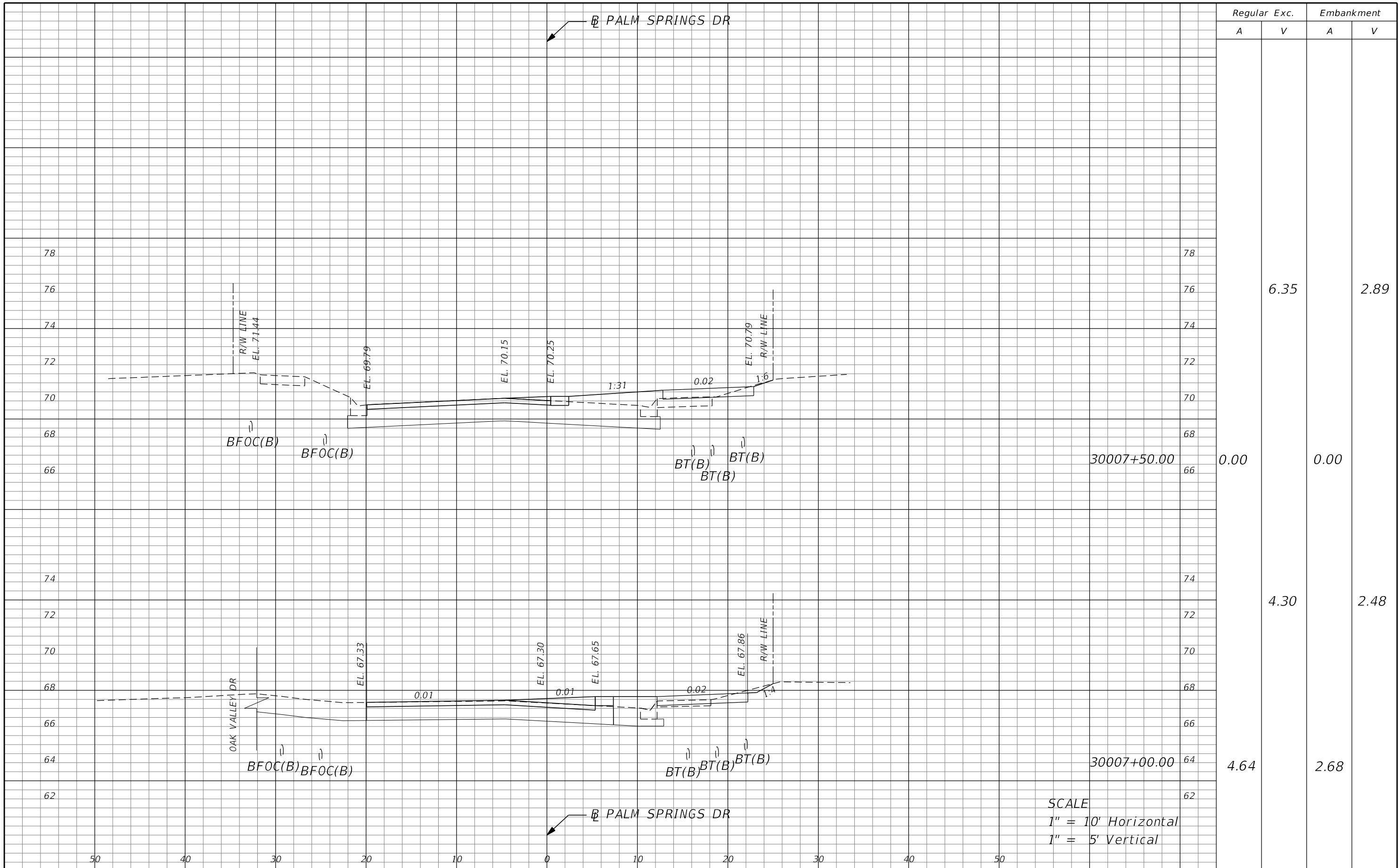


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 237

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0.00	6.35	0.00		2.89	
4.64	4.30	2.68		2.48	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E. LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



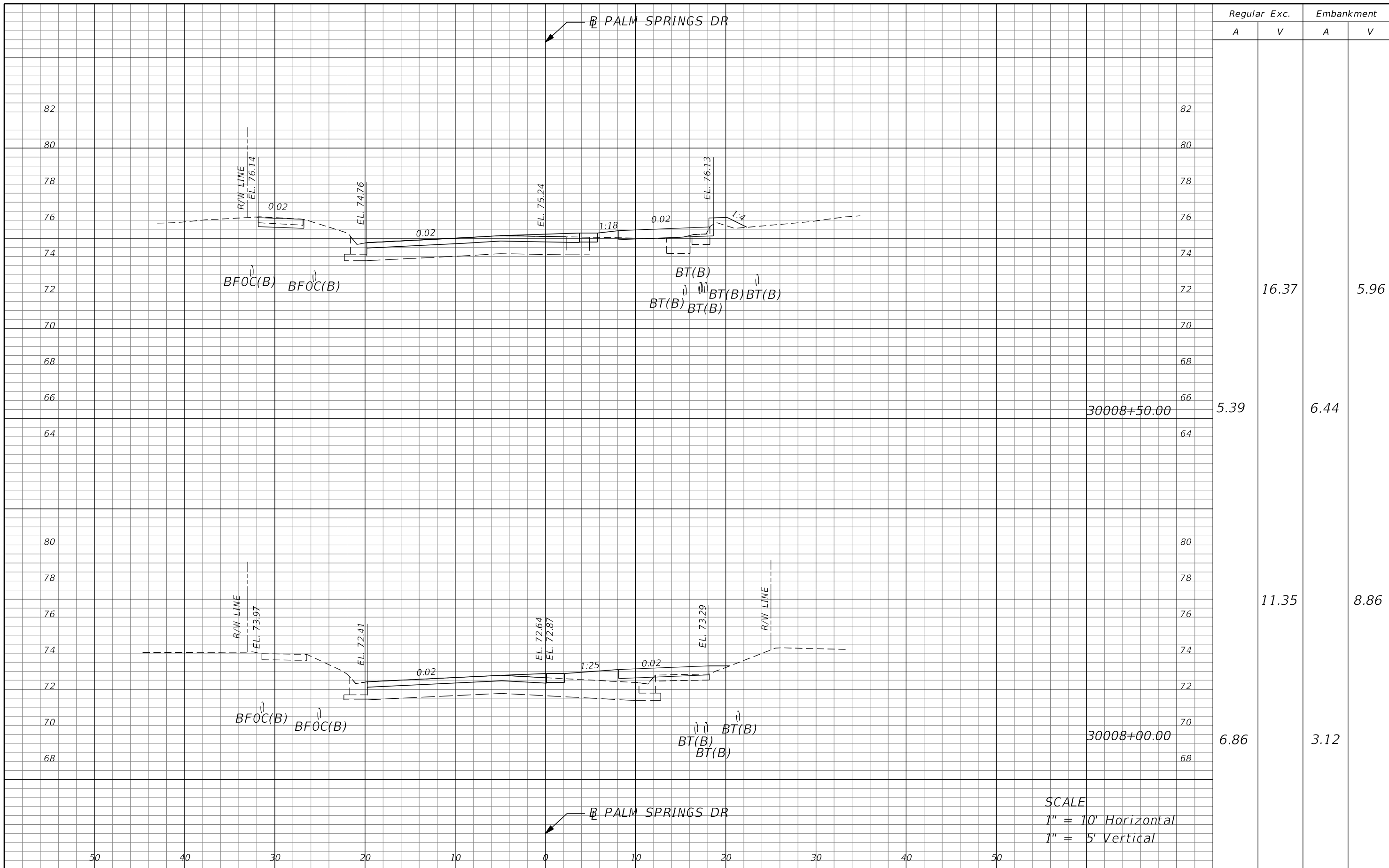
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

CROSS SECTIONS

SHEET NO.
238

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			16.37		5.96
5.39			6.44		
			11.35		8.86
6.86			3.12		

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

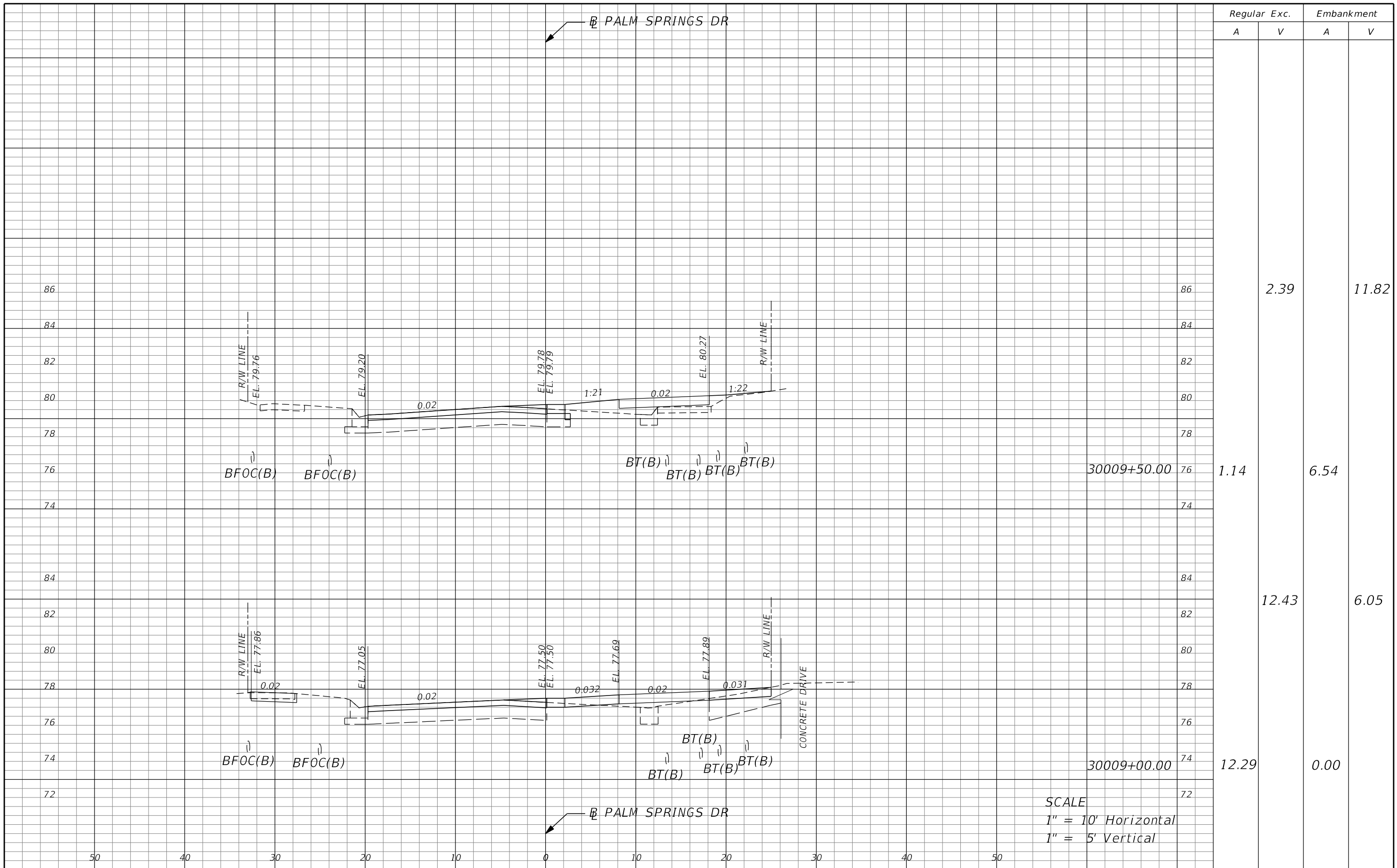


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 239

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			2.39		11.82
1.14				6.54	
		12.43			6.05
12.29				0.00	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
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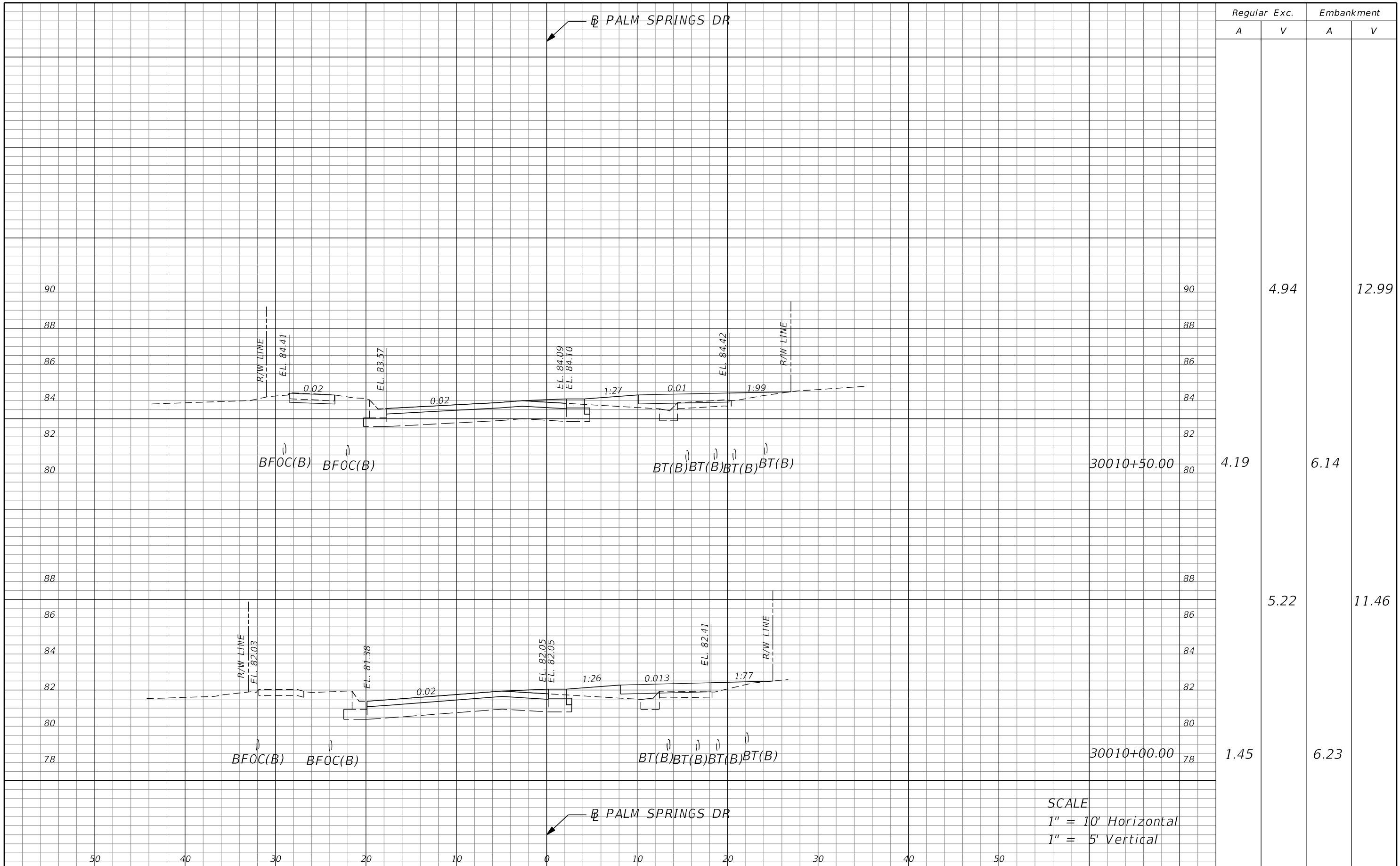


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 240

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
	4.94			12.99	
4.19		6.14			
	5.22			11.46	
1.45		6.23			

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

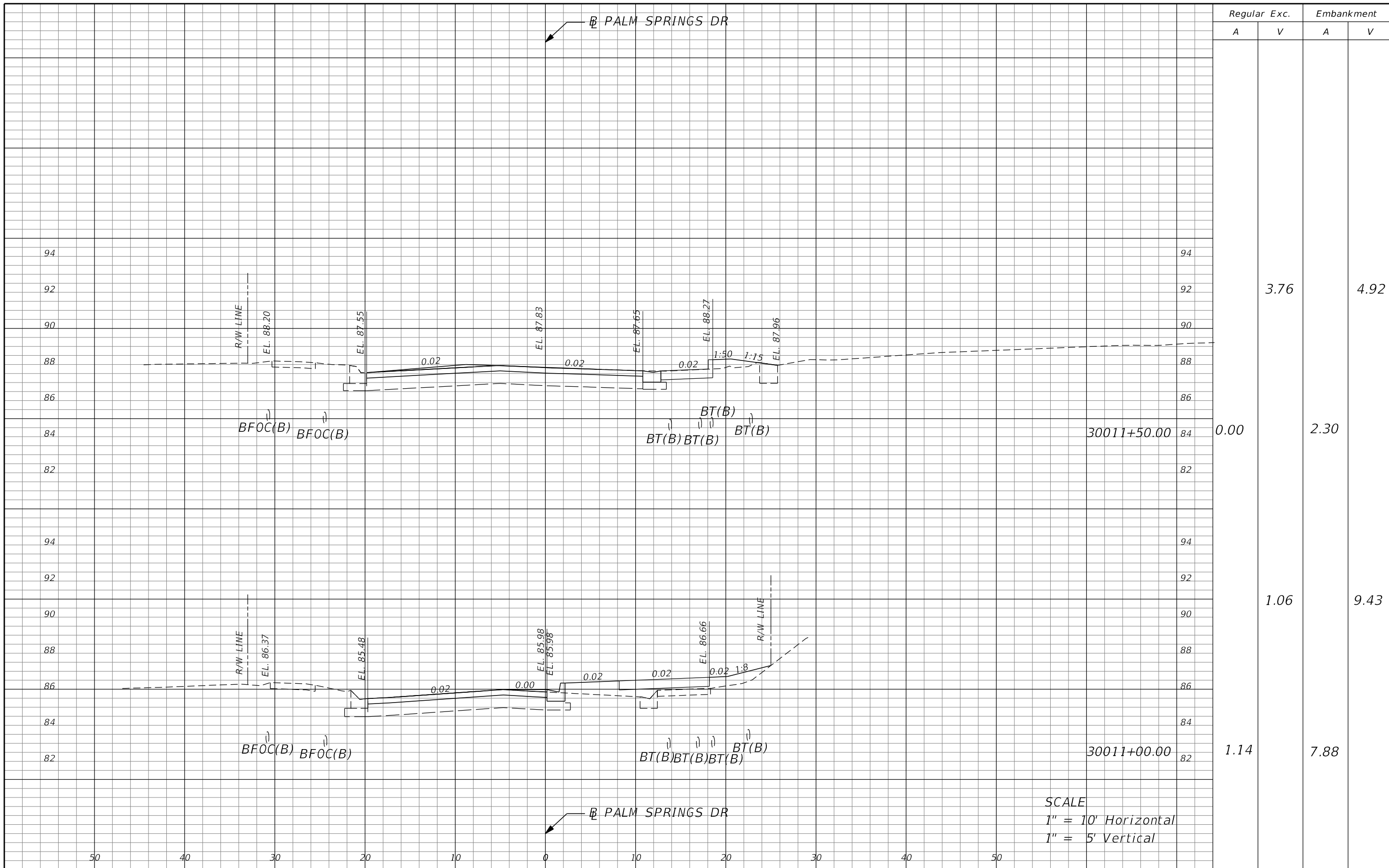
TYLER VALILA, P.E.
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 ROLLING HILLS AREA ROADWAYS PHASE 1
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 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 241

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Regular		Exc.		Embankment	
A	V	A	V	A	V
0.00	3.76	0.00	0.00	2.30	4.92
1.14	1.06	1.14	0.00	7.88	9.43

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
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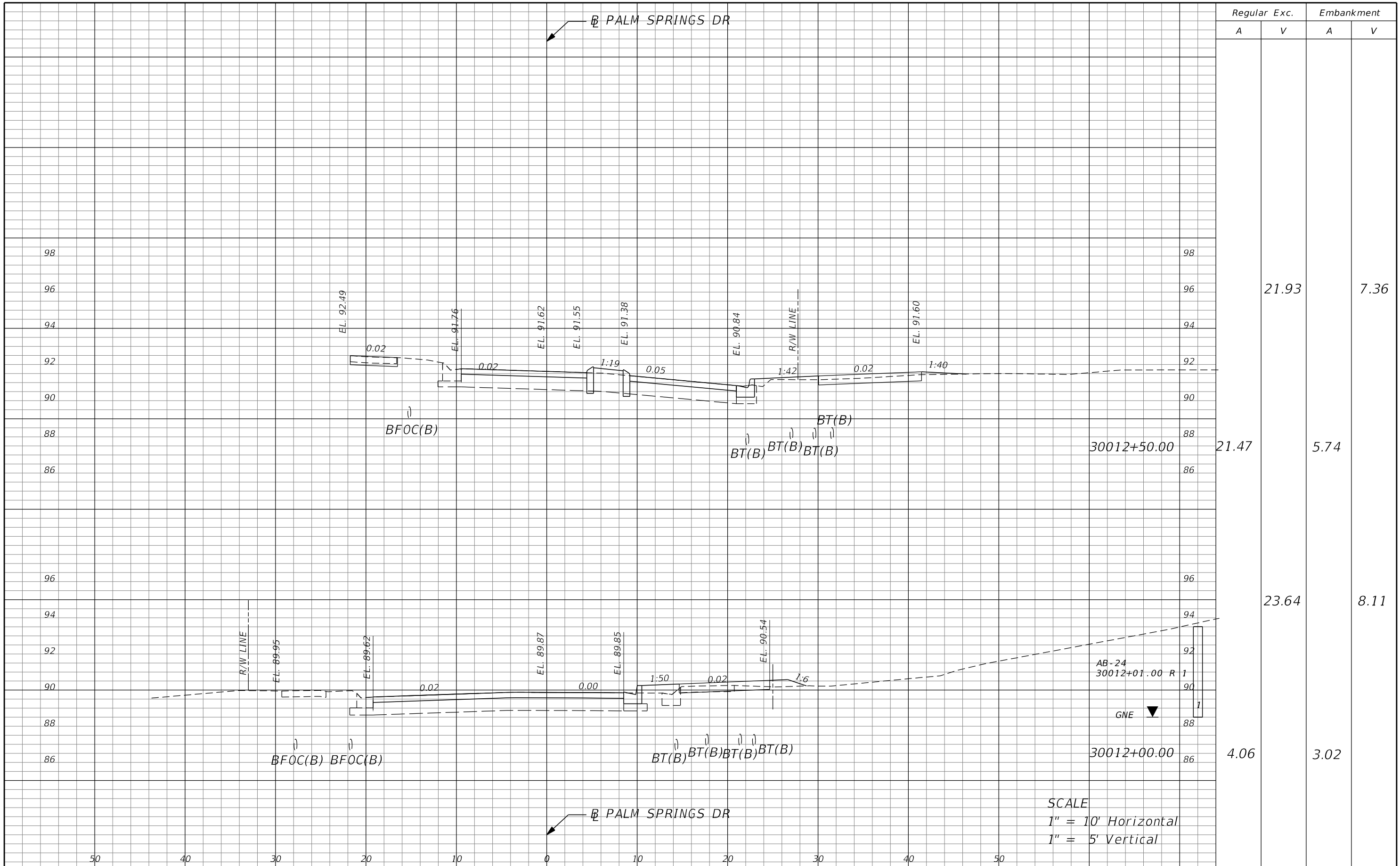


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 242

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			21.93		7.36
		21.47		5.74	
			23.64		8.11
		4.06		3.02	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

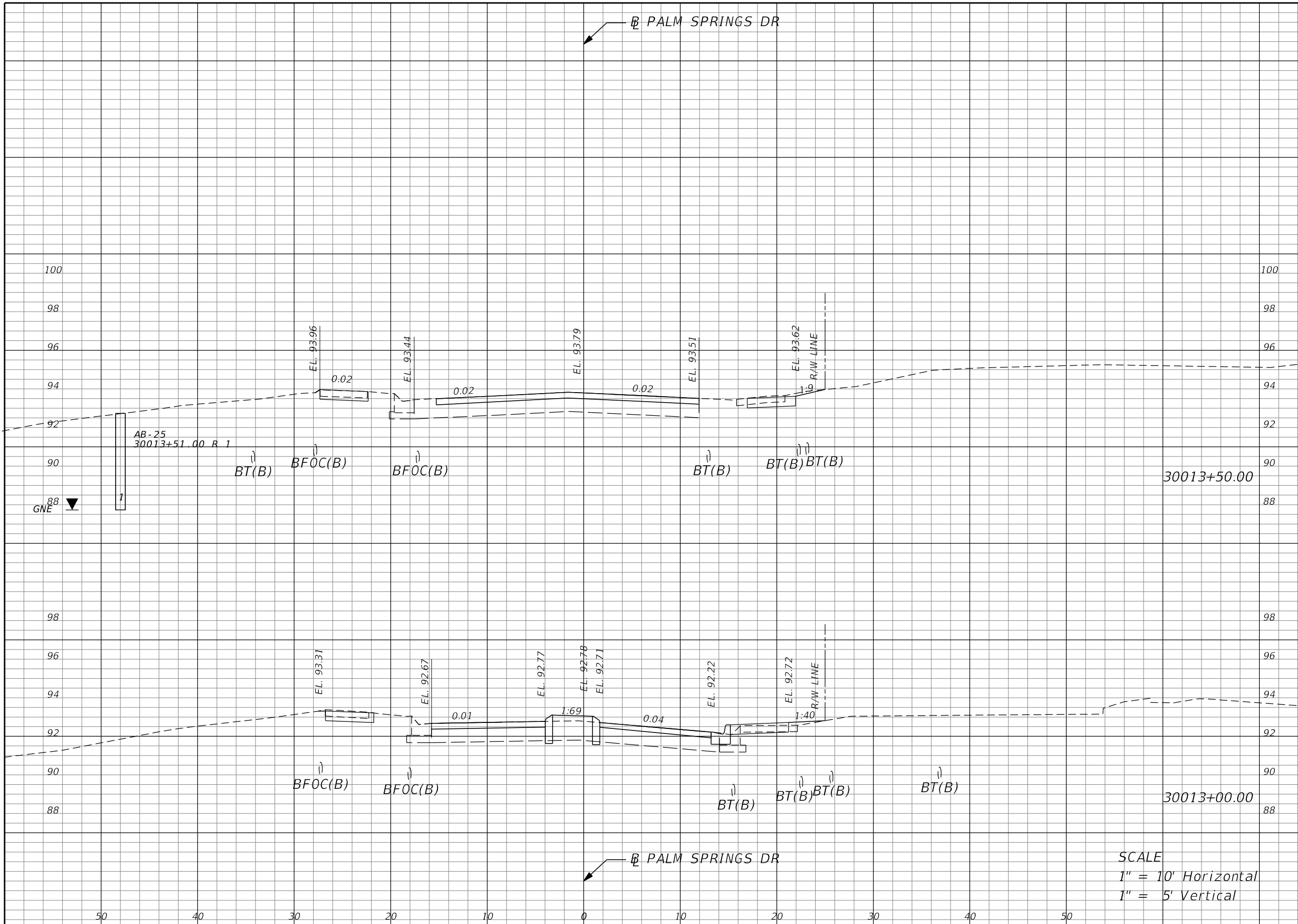


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 243

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
			5.32		0.00
2.48		0.00			
	4.35			2.05	
2.21		2.21			

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

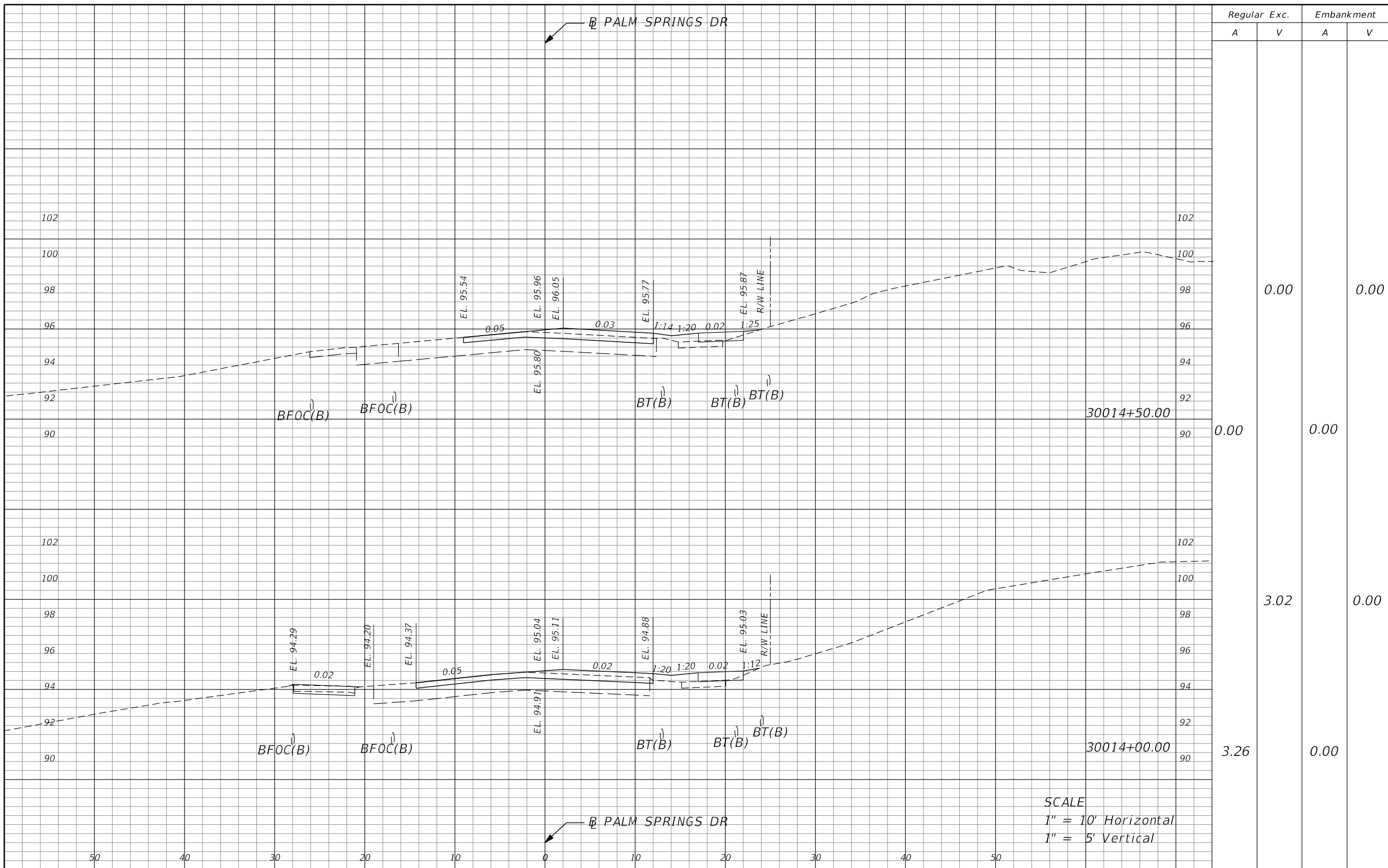


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 244

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0.00	0.00	0.00	0.00	0.00	0.00
3.26	3.02	0.00	0.00	0.00	0.00

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER VALILA, P.E.
 LICENSE NO. 90792
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

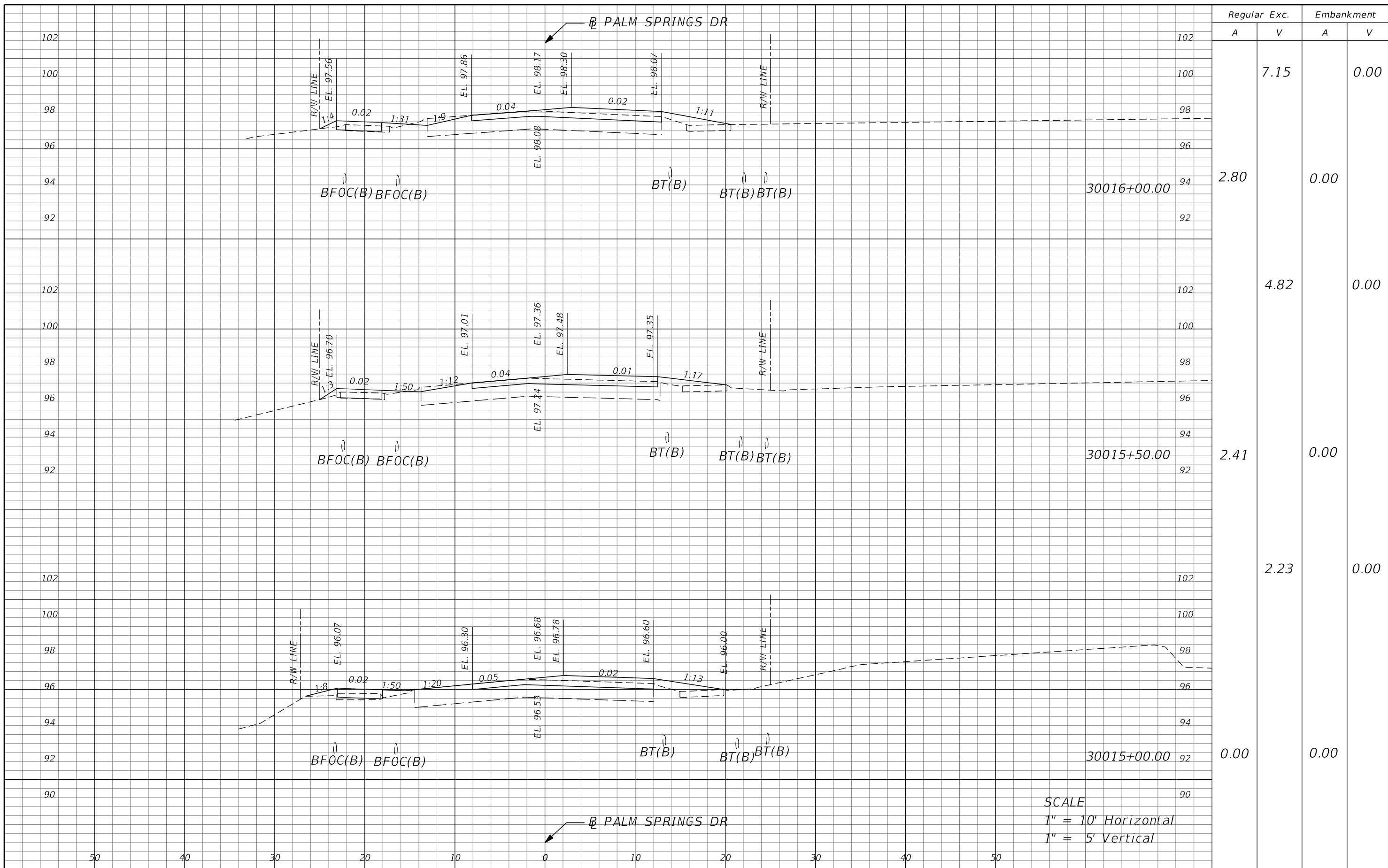


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 245

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Regular		Exc.		Embankment	
A	V	A	V	A	V
			7.15		0.00
2.80				0.00	
	4.82				0.00
2.41				0.00	
	2.23				0.00
0.00				0.00	

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
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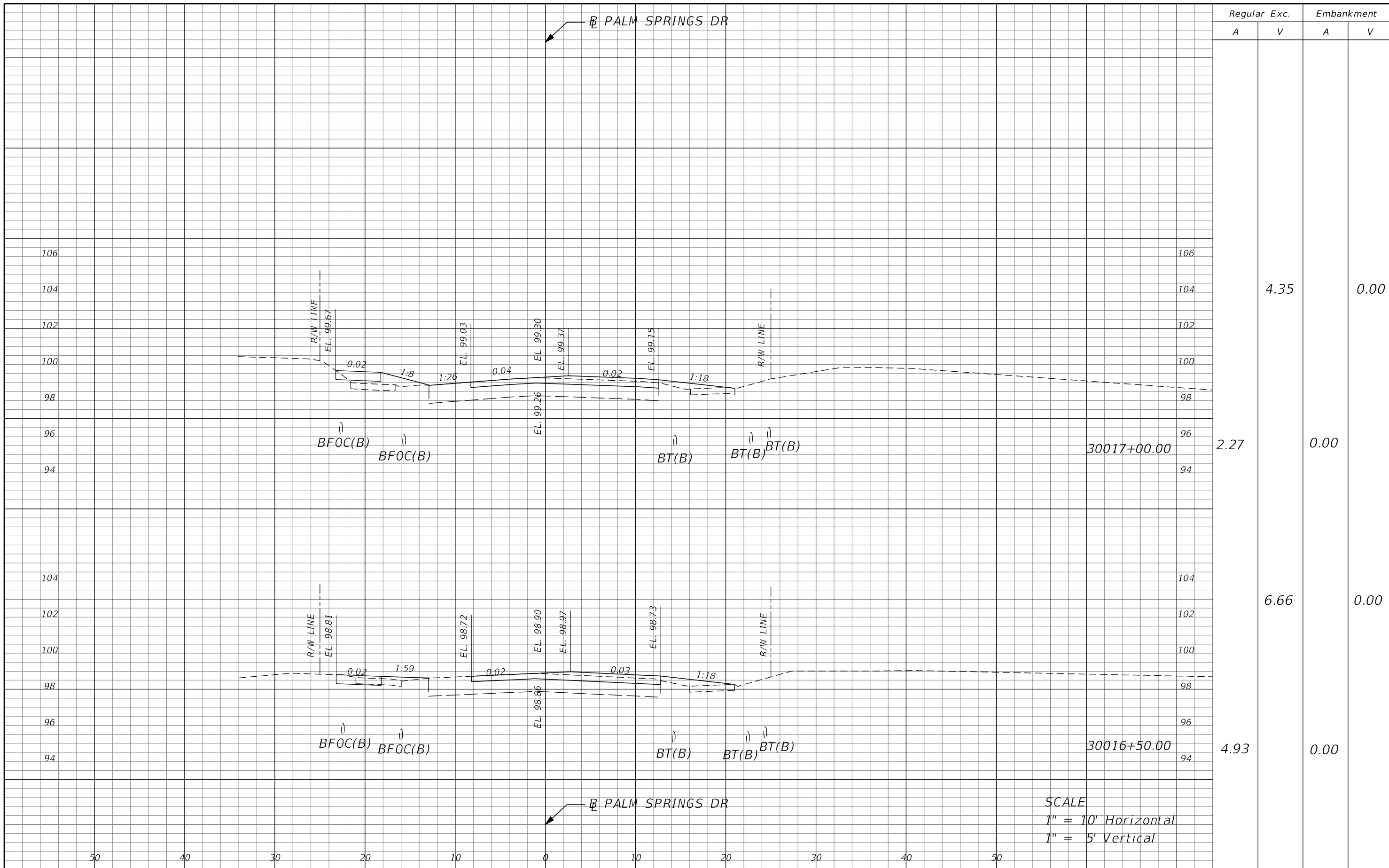


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
 246

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Regular		Exc.		Embankment	
A	V	A	V	A	V
			4.35		0.00
2.27		0.00			
			6.66		0.00
4.93		0.00			

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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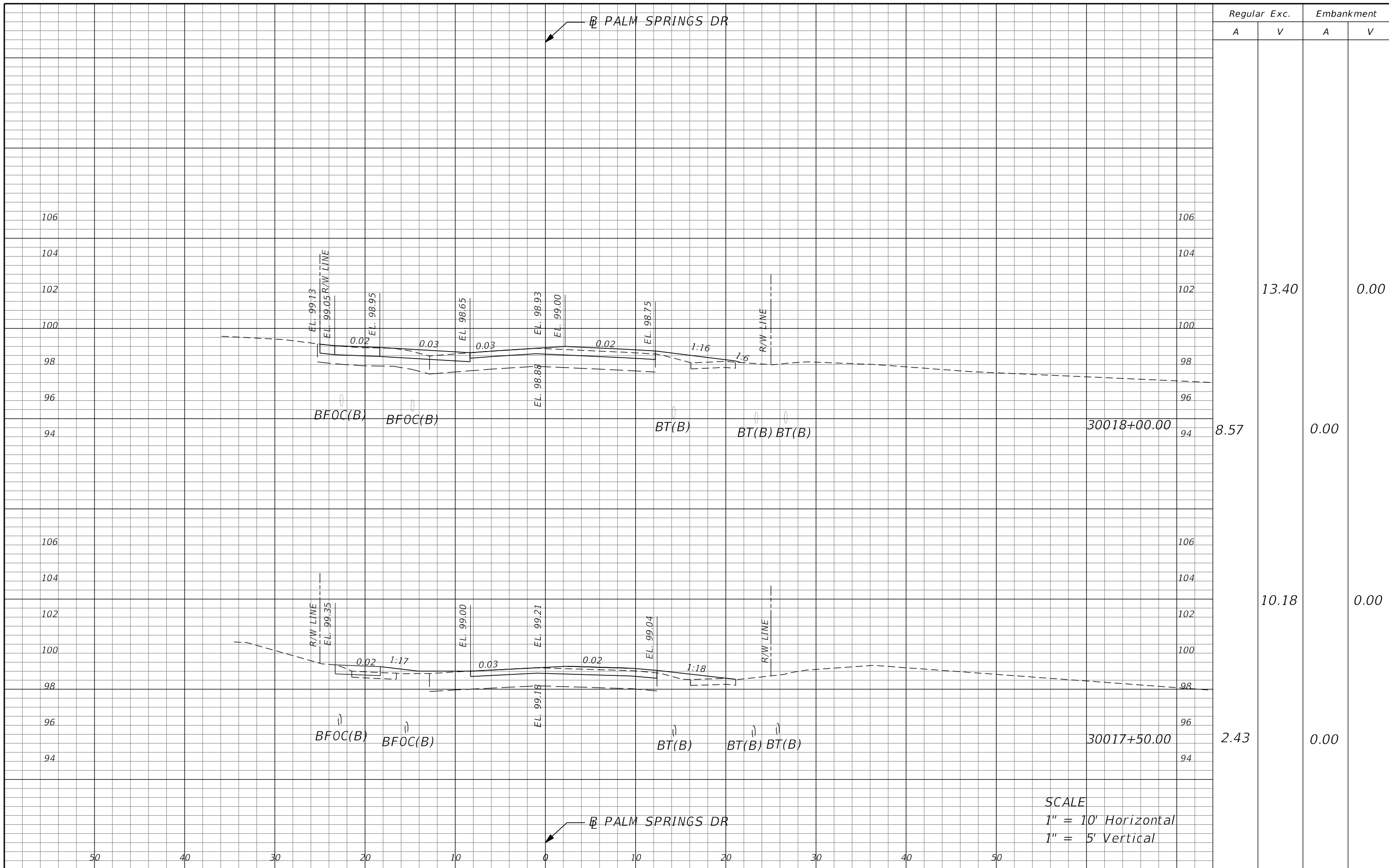


SEMINOLE COUNTY
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CROSS SECTIONS

SHEET NO.
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SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

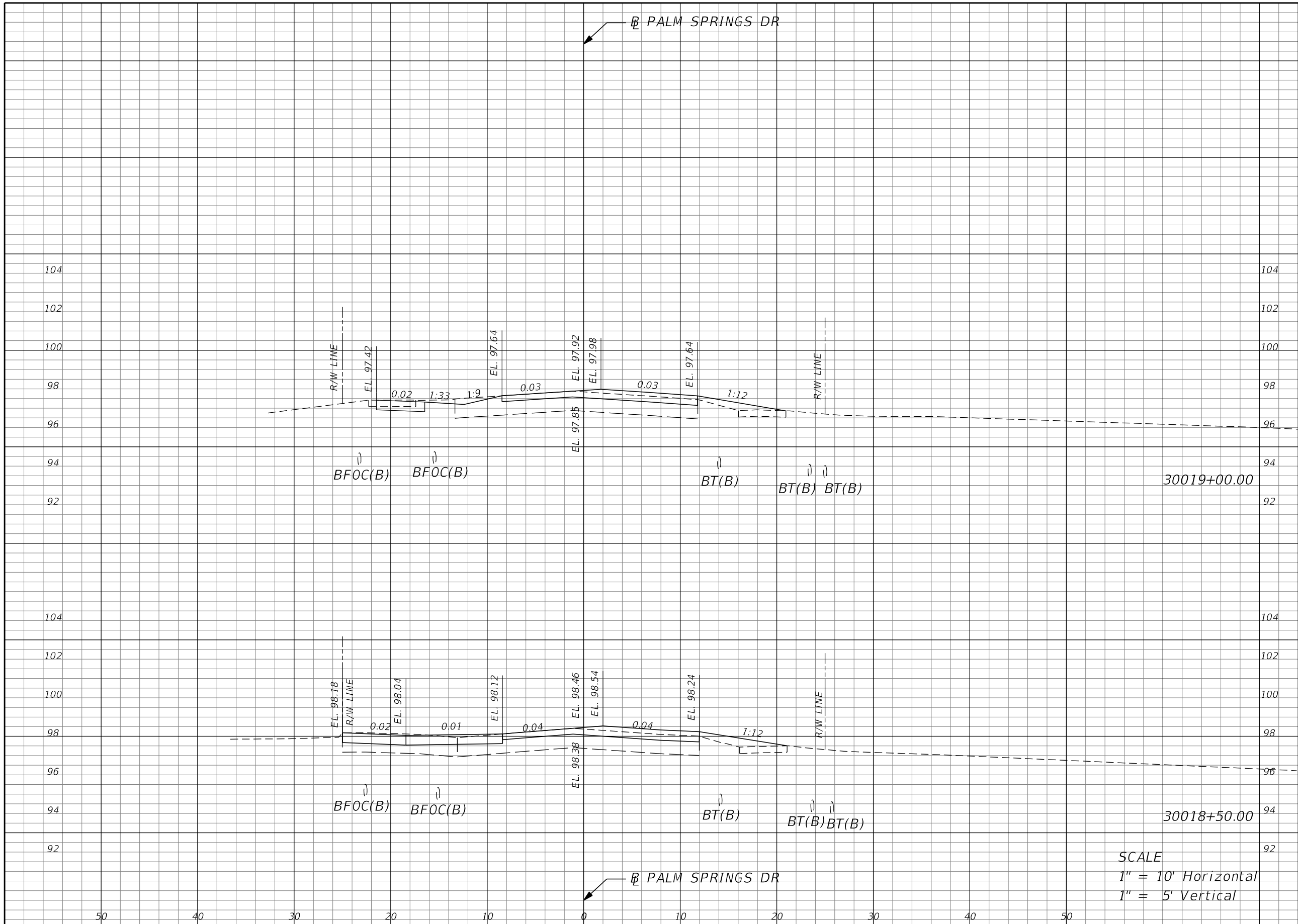
TYLER VALILA, P.E.
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Regular		Exc.		Embankment	
A	V	A	V	A	V
	3.13		0.00		
0.00		0.00			
	5.47		0.00		
5.91		0.00			

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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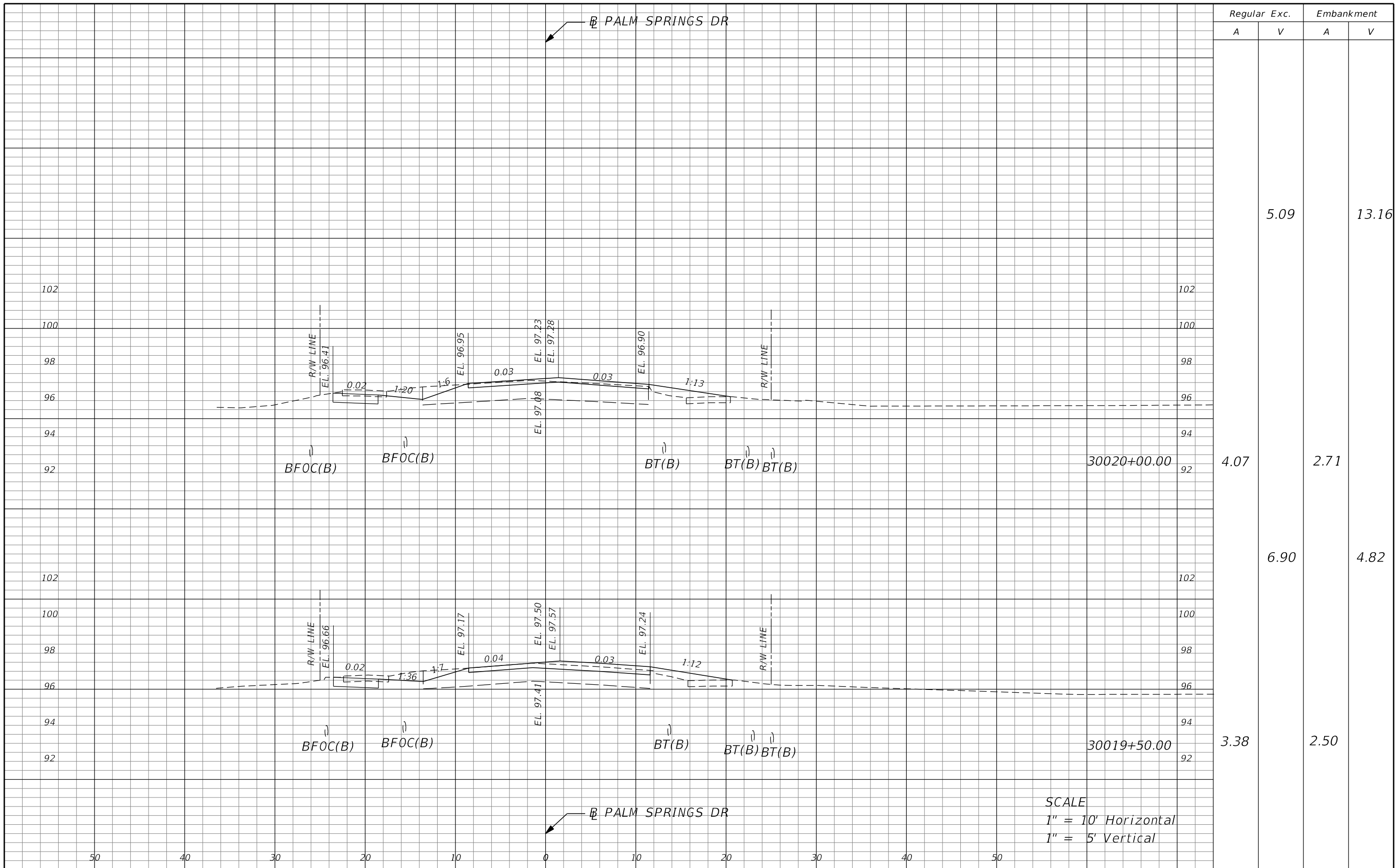


SEMINOLE COUNTY
 ENGINEERING DIVISION
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CROSS SECTIONS

SHEET NO.
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Regular		Exc.		Embankment	
A	V	A	V	A	V
			5.09		13.16
4.07		2.71			
	6.90		4.82		
3.38		2.50			

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

REVISIONS			
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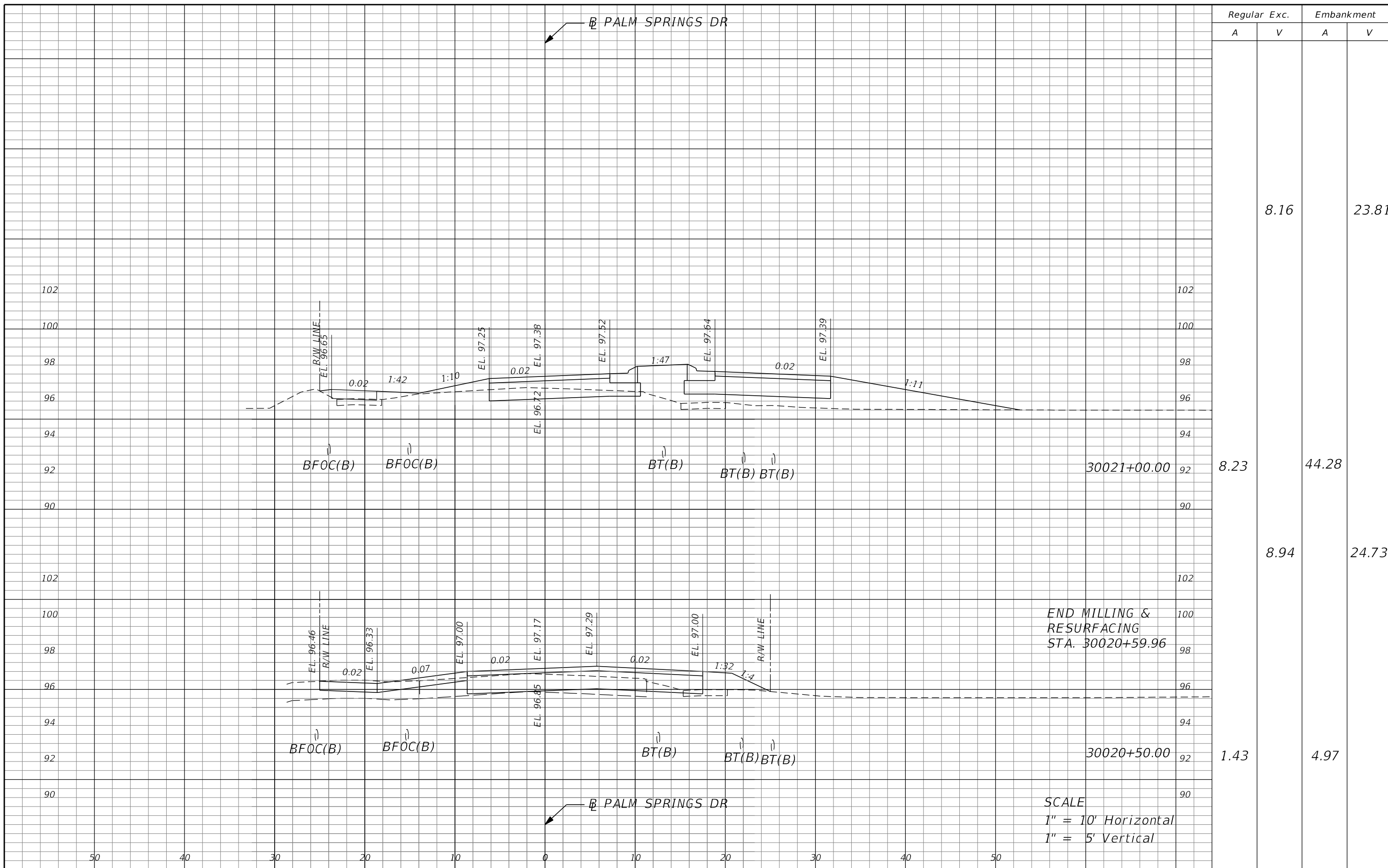


SEMINOLE COUNTY
 ENGINEERING DIVISION
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 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
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Regular		Exc.		Embankment	
A	V	A	V	A	V
			8.16		23.81
8.23		44.28			
	8.94			24.73	
1.43		4.97			

END MILLING &
RESURFACING
STA. 30020+59.96

SCALE
1" = 10' Horizontal
1" = 5' Vertical

REVISIONS			
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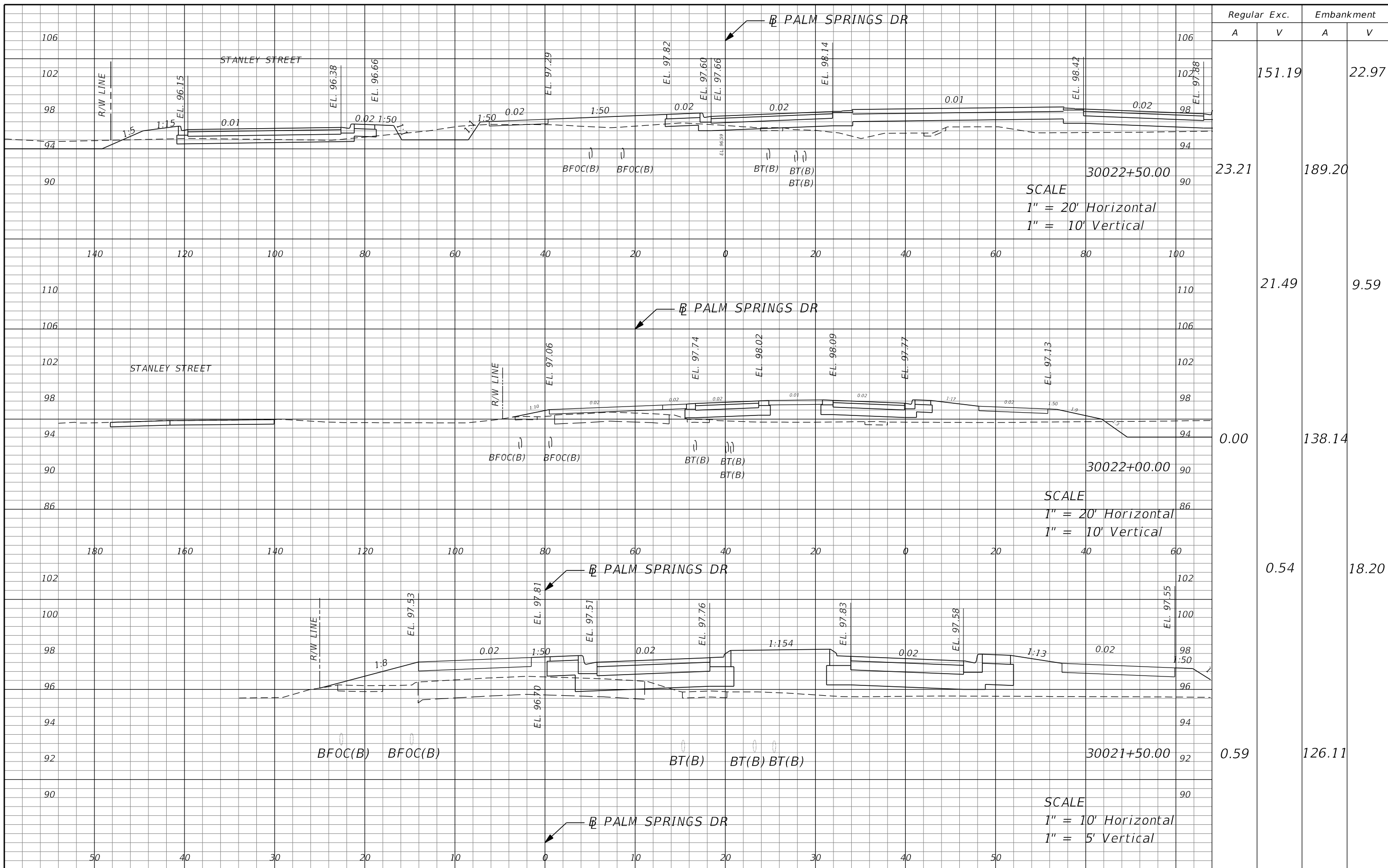


SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
ROAD COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

CROSS SECTIONS

SHEET NO.
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Regular		Exc.		Embankment	
A	V	A	V	A	V
23.21	151.19	189.20	22.97		
0.00	21.49	138.14	9.59		
0.59	0.54	126.11	18.20		

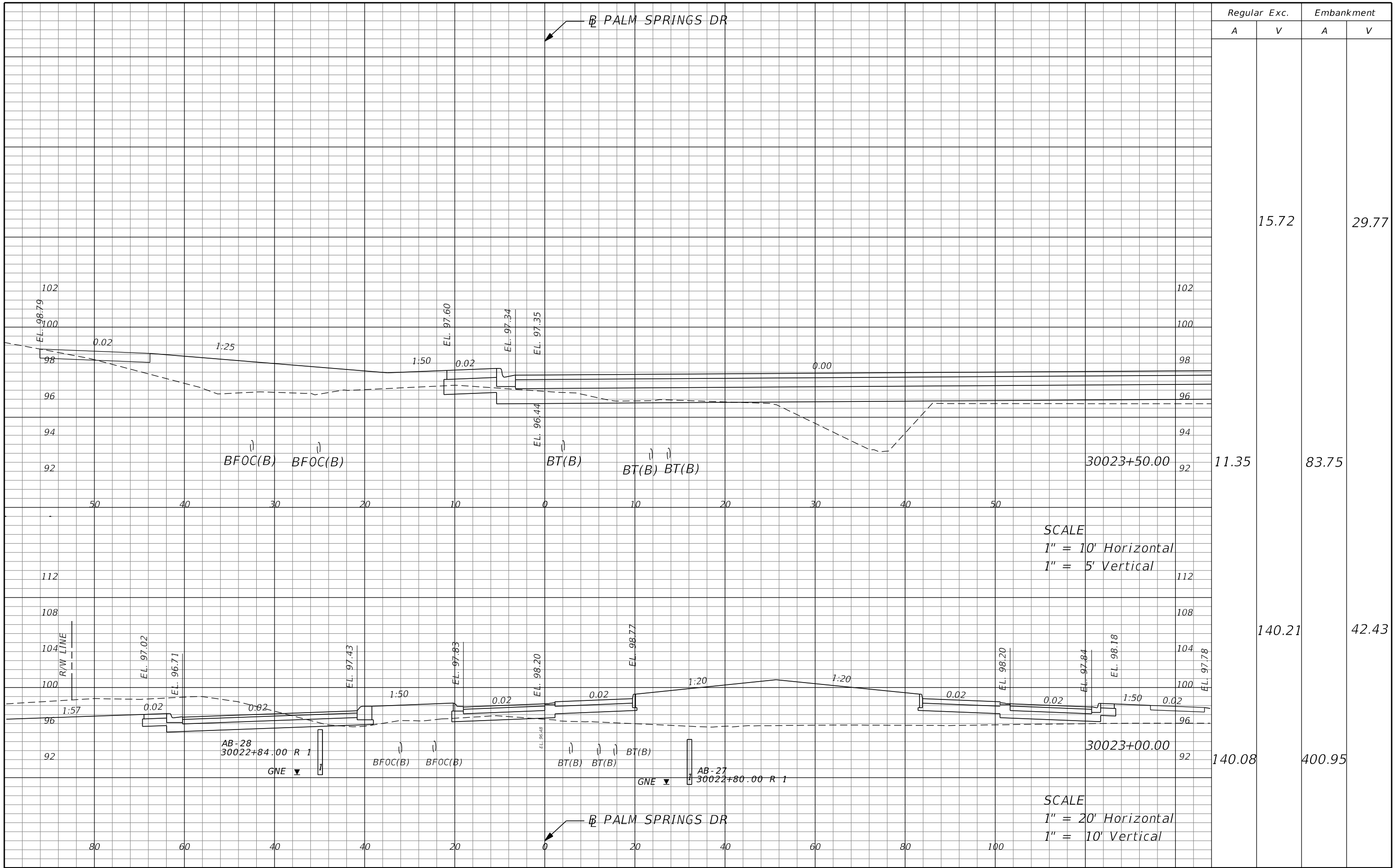
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DATE	DESCRIPTION	DATE	DESCRIPTION

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CROSS SECTIONS
 SHEET NO. 252

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Regular		Exc.		Embankment	
A	V	A	V	A	V
	15.72			29.77	
11.35		83.75			
140.21		42.43			
140.08		400.95			

SCALE
 1" = 10' Horizontal
 1" = 5' Vertical

SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CROSS SECTIONS

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