

COMPONENTS OF CONTRACT PLANS SET

Roadway Plans
 Signing, Signals, and Pavement Marking Plans
 Landscape Plans

A DETAILED INDEX APPEARS ON THE
 KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

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10-11	SUMMARY OF DRAINAGE STRUCTURES
12-21	TYPICAL SECTIONS
22	PROJECT LAYOUT
23-32	PROJECT CONTROL
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90-114	DRAINAGE STRUCTURES
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U-1-U-21	UTILITY ADJUSTMENTS
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T-1-T-22	SIGNALIZATION PLANS
LD-1-LD-42	LANDSCAPE PLANS

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2022-23 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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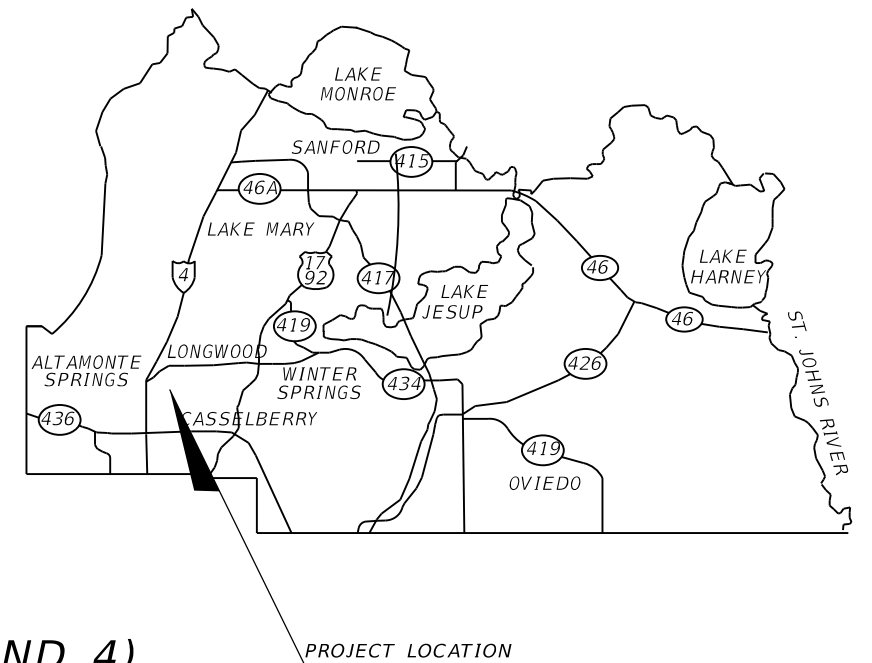
A. BRYANT APPLIGATE, INTERIM COUNTY MANAGER

**SEMINOLE COUNTY
 ENGINEERING DIVISION**

CONTRACT PLANS



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



T-20-S
 T-21-S
 END SEGMENT - S.R. 434
 END SEGMENT - RAYMOND AVE
 @ S.R. 434
 STA. 20+00.00
 @ RAYMOND AVE
 STA. 10030+00.00

BEGIN PROJECT
 BEGIN SEGMENT - S.R. 434
 @ S.R. 434
 STA. 12+00.00

BEGIN SEGMENT - RAYMOND AVE
 BEGIN SEGMENT - NORTH ST
 @ RAYMOND AVE
 STA. 10001+00.00
 @ NORTH ST
 STA. 20002+00.00

N.T.S

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:
MARK W. SUAREZ, PE
 PE LICENSE NO. 76977
 HDR ENGINEERING, INC.
 315 E. ROBINSON STREET, SUITE 400
 ORLANDO, FL 32801

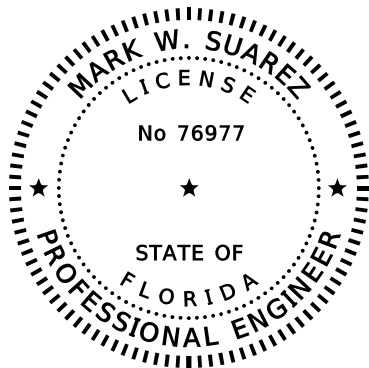
COUNTY PROJECT MANAGER:
 ANGELA CARDONA, PE
 ENGINEERING DIVISION
 100 EAST 1st STREET
 SANFORD, FL 32771

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.
21-22	1



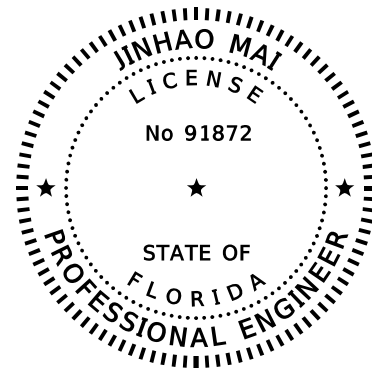
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HDR ENGINEERING, INC.
315 E. ROBINSON STREET
ORLANDO, FLORIDA 32801

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	90-114	DRAINAGE STRUCTURES
4	NOTES FOR REVIEWER	115-141	POND SHEETS & POND CROSS SECTIONS
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10-11	SUM. OF DRAINAGE STRUCT.	271-273	STORMWATER POLL. PREV. PLAN (SWPPP)
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45-65	ROADWAY PLAN-PROFILE SHEETS		
66-86	INTERSECTION DETAIL SHEETS		
87-89	SPECIAL DETAILS		



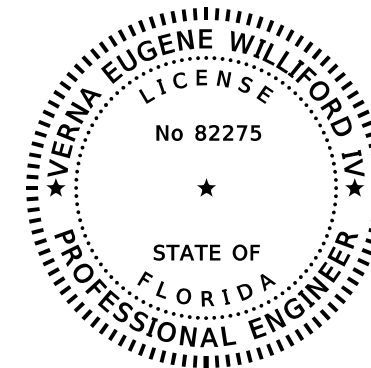
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SHEET No.	DESCRIPTION
S-1-S-33	SIGNING AND PAVEMENT MARKING PLANS
T-1-T-17	SIGNALIZATION PLANS
T-19-T-21	SIGNALIZATION PLANS



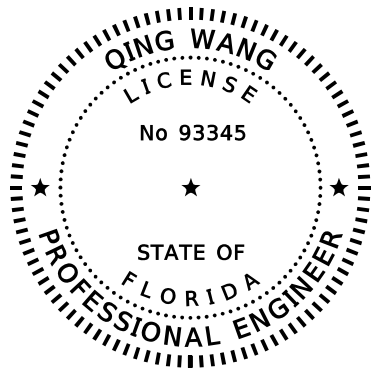
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GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
919 LAKE BALDWIN LANE
ORLANDO, FLORIDA 32814

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
142	SOIL SURVEY
T-22	SOIL BORINGS



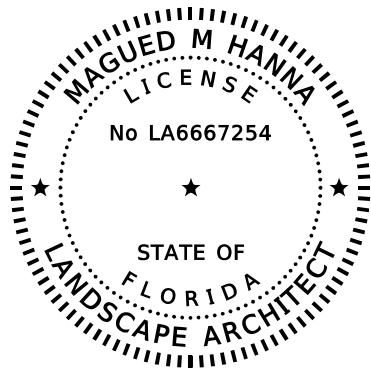
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HDR ENGINEERING, INC.
4830 W. KENNEDY BLVD. SUITE 400
TAMPA, FL 33609-2548

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
T-18	SIGNALIZATION PLANS



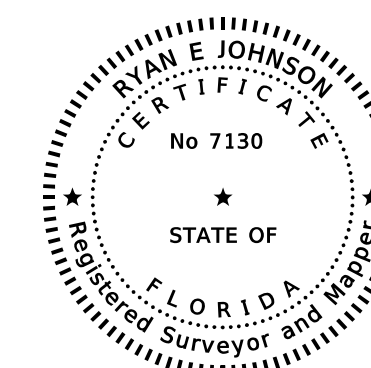
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HDR ENGINEERING, INC.
315 E. ROBINSON STREET
ORLANDO, FLORIDA 32801

THE ABOVE NAMED LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G10-11.001, F.A.C.

SHEET No.	DESCRIPTION
LD-1-LD-42	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
33-42	SURVEY CONTROL MAP

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
315 E. ROBINSON ST.
SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242



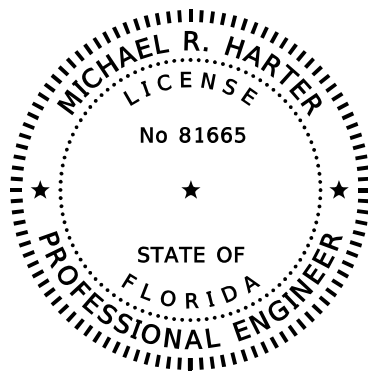
SEMINOLE COUNTY ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

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

SIGNATURE SHEET

SHEET NO.

2




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**BRINDLEY PIETERS AND
ASSOCIATES, INC.**
2600 MAITLAND CENTER PKWY,
SUITE 180
MAITLAND, FLORIDA 32751


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
U-1-U-21	UTILITY ADJUSTMENTS

REVISIONS				<small>MARK W. SUAREZ, P.E. LICENSE NO. 76977</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</small> ROLLING HILLS AREA ROADWAYS PHASE 1		<i>SIGNATURE SHEET</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		3
					<small>RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.</small>	01907084		

NOTES FOR REVIEWER

- LIGHTING DESIGN TO BE COMPLETED BY DUKE ENERGY AND SUBMITTED BEFORE THE END OF 2022

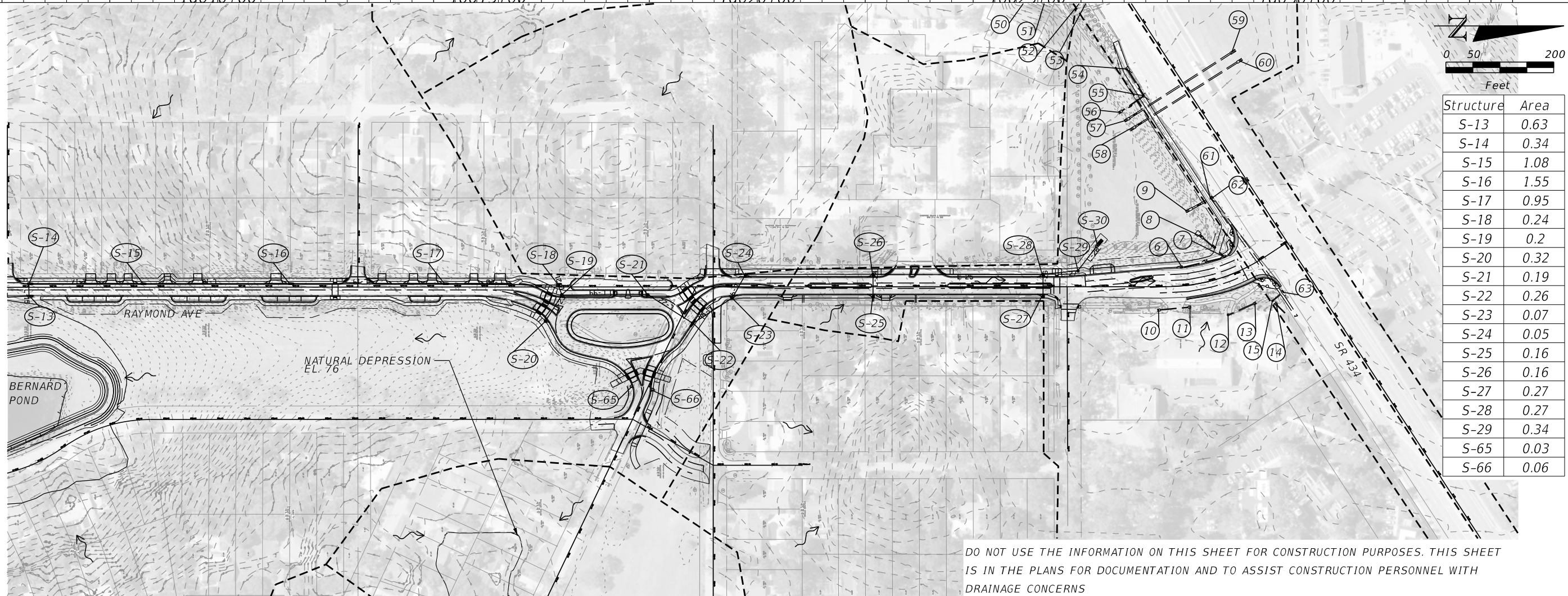
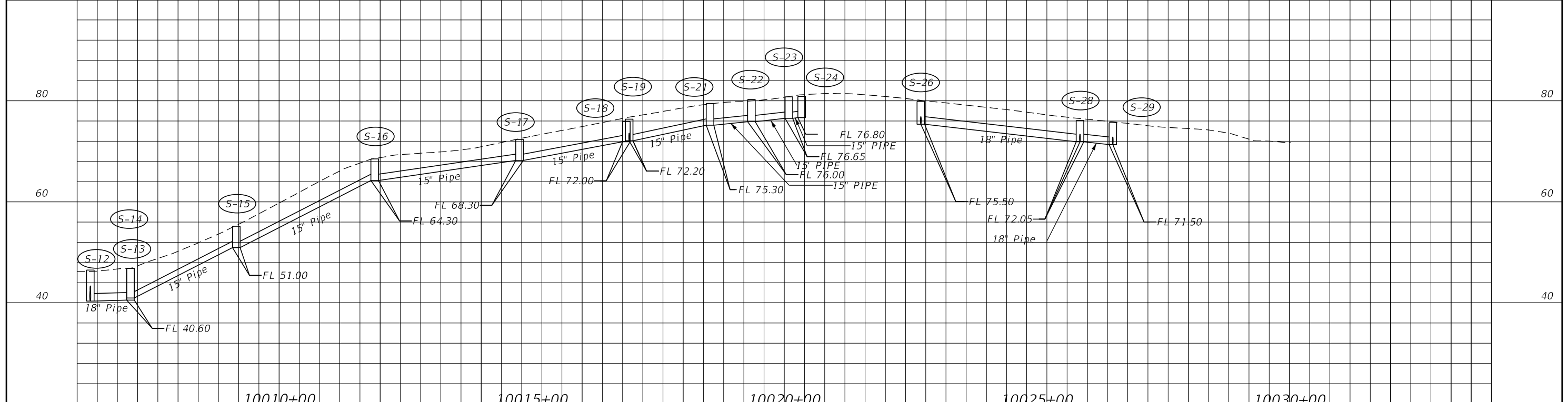
REVISIONS				<small>MARK W. SUAREZ, P.E. LICENSE NO. 76977</small>  <small>315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small>	<small>SEMINOLE COUNTY ENGINEERING DIVISION</small> ROLLING HILLS AREA ROADWAYS PHASE 1		<p align="center"><i>NOTES FOR REVIEWER</i></p>	<small>SHEET NO.</small> <p align="center">4</p>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
				RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084			

SUSERS

SDATES

STIMES

SFILES



Structure	Area
S-13	0.63
S-14	0.34
S-15	1.08
S-16	1.55
S-17	0.95
S-18	0.24
S-19	0.2
S-20	0.32
S-21	0.19
S-22	0.26
S-23	0.07
S-24	0.05
S-25	0.16
S-26	0.16
S-27	0.27
S-28	0.27
S-29	0.34
S-65	0.03
S-66	0.06

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

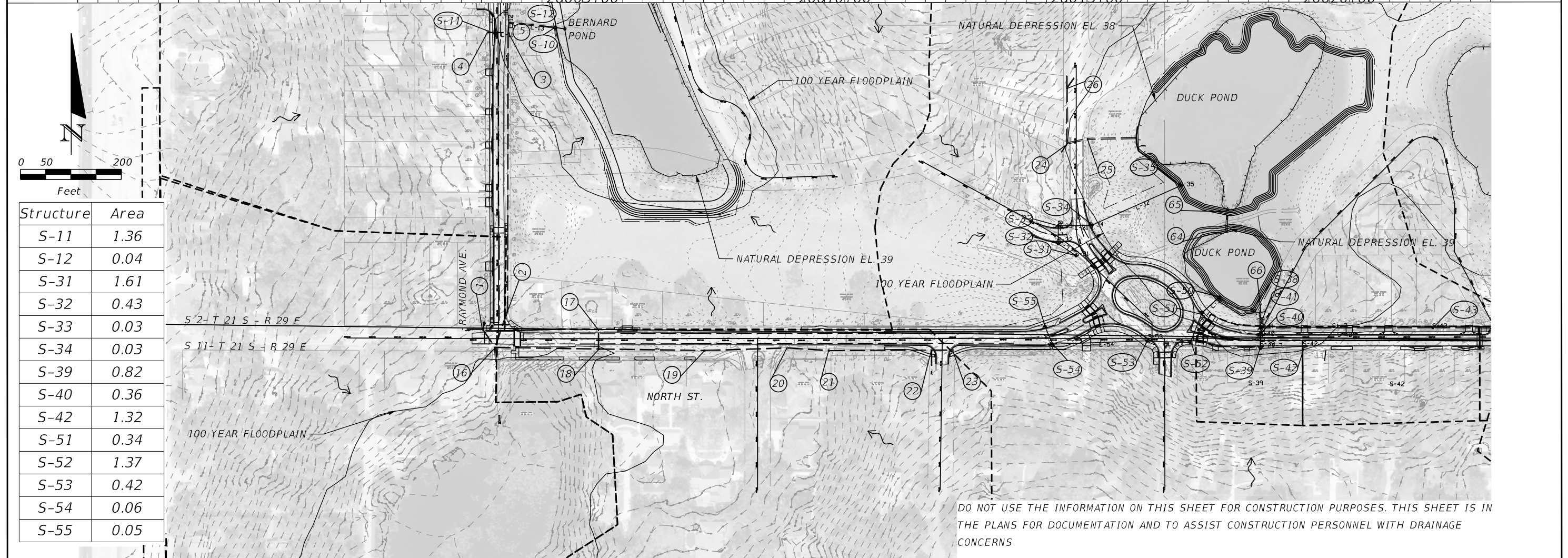
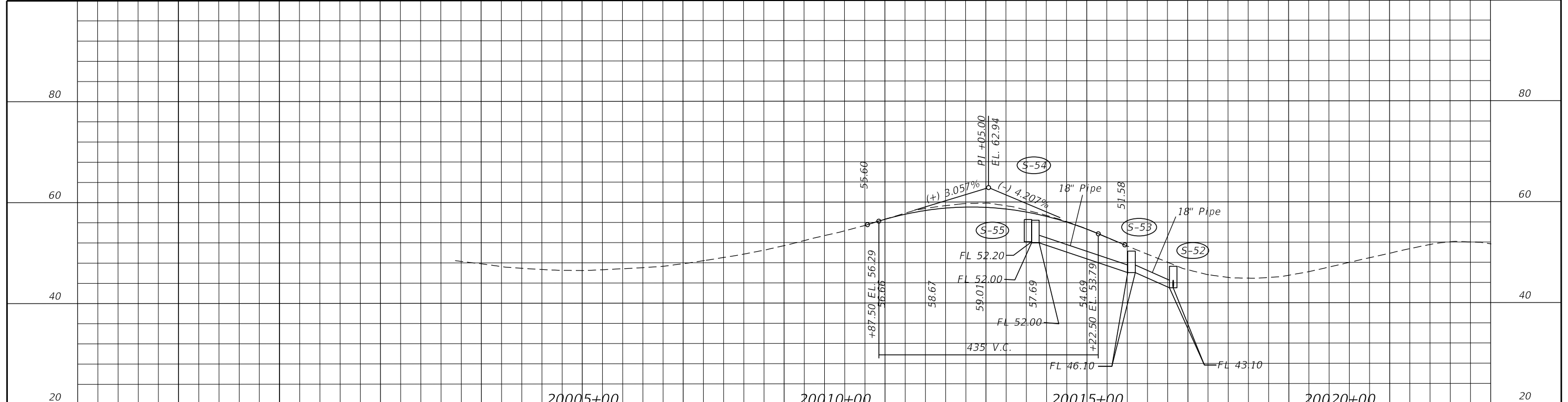


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE MAP

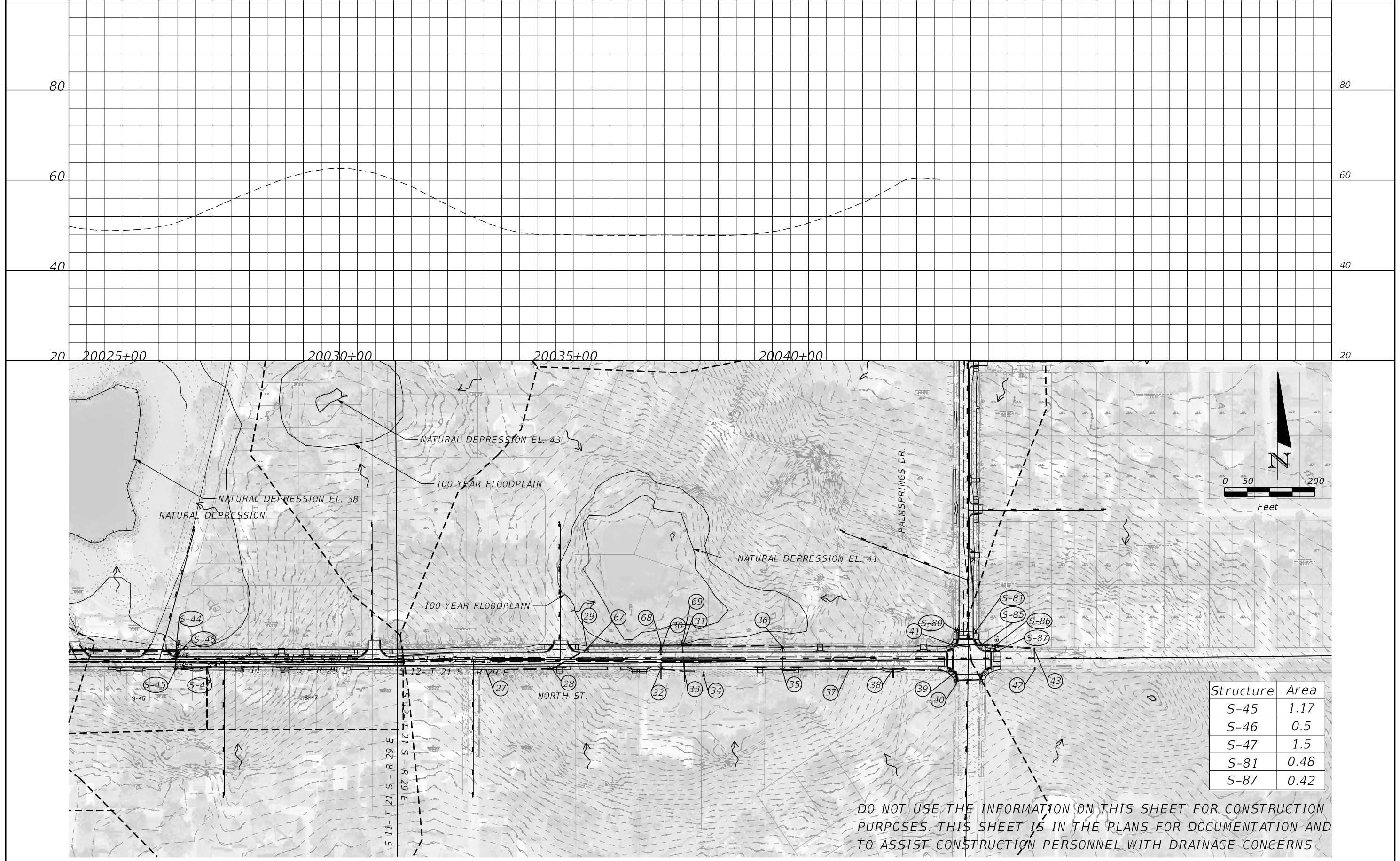
SHEET NO.
5



Structure	Area
S-11	1.36
S-12	0.04
S-31	1.61
S-32	0.43
S-33	0.03
S-34	0.03
S-39	0.82
S-40	0.36
S-42	1.32
S-51	0.34
S-52	1.37
S-53	0.42
S-54	0.06
S-55	0.05

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REVISIONS		<small>MARK W. SUAREZ, P.E. LICENSE NO. 76977</small> <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> <small>ROLLING HILLS AREA ROADWAYS PHASE 1</small>		<h2 style="margin: 0;">DRAINAGE MAP</h2>	SHEET NO. 6
DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
		RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084			



Structure	Area
S-45	1.17
S-46	0.5
S-47	1.5
S-81	0.48
S-87	0.42

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

DRAINAGE MAP

SHEET NO.
7



Structure	Area
S-60	0.49
S-61	0.21
S-62	0.29
S-70	0.35
S-71	0.41

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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

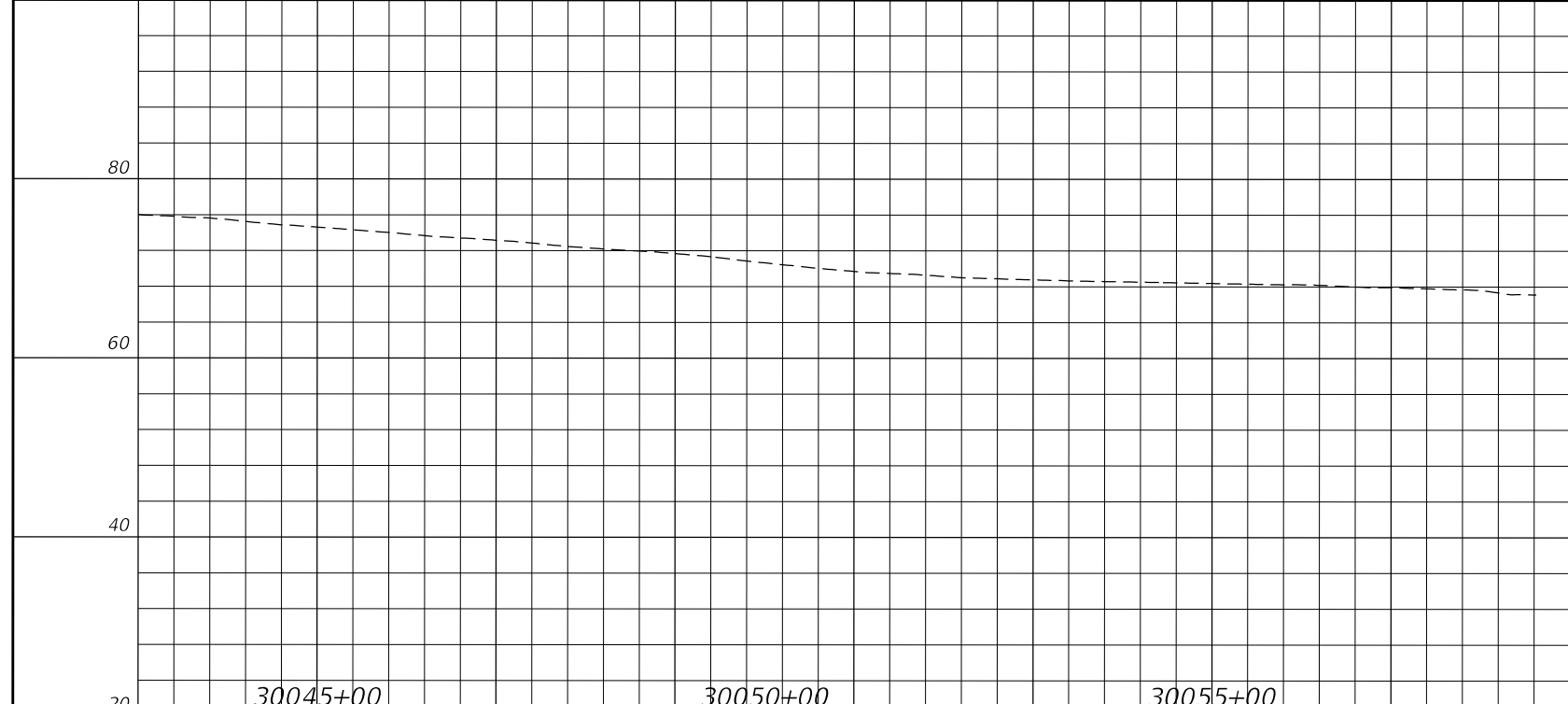


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

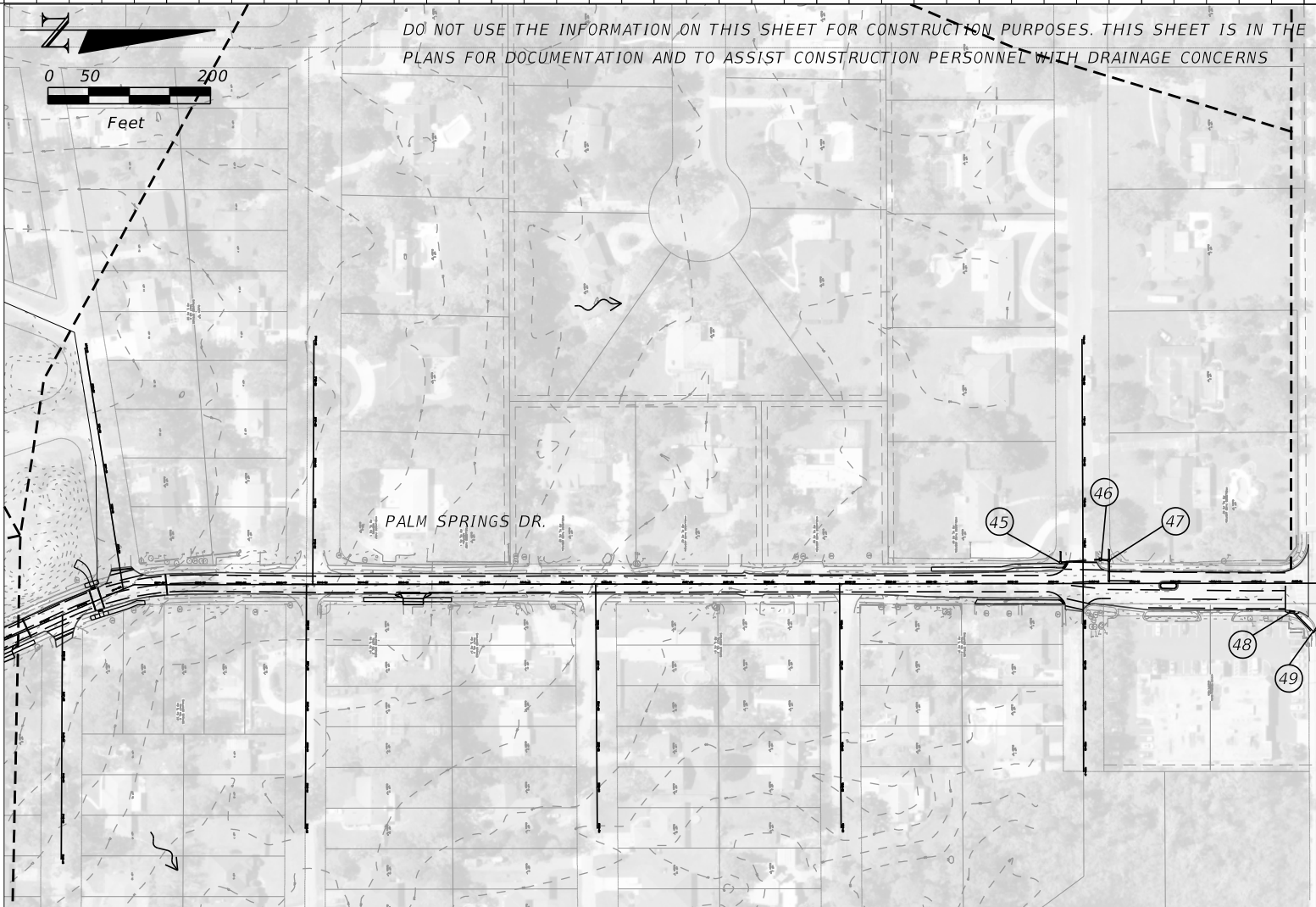
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

DRAINAGE MAP

SHEET NO.
 8



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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
- ⑯ 18" RCP DRAINAGE MANHOLE
TOP = 48.09
NE INV = 40.69
NW INV = 43.59
E INV = 41.69
S INV = 40.39
- ⑰ 15" RCP DRAINAGE MANHOLE
TOP = 46.23
S INV = 43.11
- ⑱ 15" RCP FLAT GRATE INLET
TOP = 45.52
N INV = 42.94
E INV = 43.21
W INV = 42.85
- ⑲ 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 18" RCP FLAT GRATE INLET
TOP = 94.37
N INV = 89.83
S INV = 89.32
- 1 18" CPP FLAT GRATE INLET
TOP = 94.20
N INV = 89.85
S INV = 90.31
- 2 18" RCP FLAT GRATE INLET
TOP = 65.20
NE INV = 60.74
S INV = 61.00
- 3 18" RCP FLAT GRATE INLET
TOP = 65.12
NE INV = 61.11
SW INV = 61.11
- 4 18" RCP DRAINAGE MANHOLE
TOP = 66.99
N INV = 61.29
SW INV = 61.20
- 5 18" RCP CURB INLET
TOP = 67.51
S INV = 61.86
- 6 18" RCP DRAINAGE MANHOLE
TOP = 69.54
NE INV = 65.91
- 7 18" RCP DRAINAGE MANHOLE
TOP = 69.55
SE INV = 64.97
SW INV = 65.47
- 8 18" RCP INVERT = 64.98
- 9 18" RCP INVERT = 64.67
- 0 30" RCP INVERT = 64.86
- 1 30" RCP INVERT = 65.00
- 2 30" RCP INVERT = 65.09
- 3 XX" RCP DRAINAGE MANHOLE
TOP = 71.22
SE INV = 64.85
- 4 XX" RCP CURB INLET
TOP = 70.79
- 5 XX" RCP CURB INLET
TOP = 71.88
NE INV = 65.52
SE INV = 66.58
SW INV = 65.49
- 6 36" HDPE INVERT = 35.95
- 7 36" HDPE INVERT = 36.01
- 8 24" CMP INVERT = 37.56
- 9 24" CMP INVERT = 44.05
- 0 12" RCP INVERT = 39.98
- 1 XX" XXX INVERT = 39.07
- 2 18" CPP FLAT GRATE INLET
TOP = 94.37
N INV = 89.83
S INV = 89.32
- 3 18" CPP FLAT GRATE INLET
TOP = 94.20
N INV = 89.85
S INV = 90.31

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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.
9

QUANTITY	STR. NO.	BASELINE	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN PIPE (ROUND)				CURB INLETS							MANHOLES			DITCH BOTTOM INLETS		CROSS DRAIN MITERED END SECTION		REMARKS										
							PVC	CONCRETE			P-1	P-2	P-3	P-4	P-5	P-6	Modify	Closed Flume		P-8			C	18"		24"									
							4"	15"	18"	24"	<10'	<10'	<10'	<10'	<10'	<10'		Type 1	Type 2	Partial	Adjust	<10'					<10'								
P	S-10	BL_RAYMOND	10006+16.08	RT.	MES, Pipe	1			17																						1		Conc. Jacket		
F	S-11	BL_RAYMOND	10006+06.26	LT.	Inlet, Pipe	1		4								1																Conc. Jacket			
P	S-12	BL_RAYMOND	10006+26.02	RT.	Modify Inlet											1																			
F	S-13	BL_RAYMOND	10007+05.66	RT.	Inlet, Pipe	1			76							1																			
P	S-14	BL_RAYMOND	10007+05.45	LT.	Inlet, Pipe	1			19							1																			
F	S-15	BL_RAYMOND	10009+15.06	LT.	Inlet, Pipe	1			206							1																			
P	S-16	BL_RAYMOND	10011+88.84	LT.	Inlet, Pipe	1			271							1																			
F	S-17	BL_RAYMOND	10014+75.56	LT.	Inlet, Pipe	1			284							1																			
P	S-18	BL_BERNARD	10016+90.08	RT.	Inlet, Pipe	1			209																								1		
F	S-19	RB_RA_SELEG	303+03.06	LT.	Inlet, Pipe	1			17																										
P	S-20	RB_RA_SELEG	302+93.00	LT.	Inlet, Pipe	1			54																										
F	S-21	RB_RA_WELEG	103+25.00	LT.	Inlet, Pipe	1			156																										
P	S-22	RB_RA_NELEG	201+85.00	LT.	Inlet, Pipe	1			98																										
F	S-23	RB_RA_NELEG	200+90.00	LT.	Inlet, Pipe	1			84																										
P	S-24	RB_RA_WELEG	105+15.00	LT.	Inlet, Pipe	1			46																										
F	S-25	BL_RAYMOND	10022+70.00	RT.	Inlet, Pipe	1	14		37																										
P	S-26	BL_RAYMOND	10022+70.00	LT.	Inlet, Pipe	1			312																										
F	S-27	BL_RAYMOND	10025+85.00	RT.	Inlet, Pipe	1			38																										
P	S-28	BL_RAYMOND	10025+85.00	LT.	Inlet, Pipe	1			63																										
F	S-29	BL_RAYMOND	10026+50.00	LT.	Manhole, Pipe	1			52																										
P	S-30	BL_RAYMOND	10026+84.84	LT.	MES																														
F	S-31	RB_NO_NWLEG	203+01.00	LT.	Inlet, Pipe	1			39																										
P	S-32	RB_NO_NWLEG	203+60.00	LT.	Inlet, Pipe	1			32																										
F	S-33	RB_NO_NWLEG	203+60.46	RT.	Inlet, Pipe	1			64																										
P	S-34	RB_NO_NELEG	300+57.00	LT.	Inlet, Pipe	1			185																										
F	S-35	RB_NO_NELEG	302+21.32	LT.	MES																														
P	S-38	BL_NORTH	20018+09.94	LT.	MES																														
F	SHEET TOTALS																																		
						PLAN QUANTITY	14	1429	934		8	2	1	1	5	2	1								1	2	3	1							
						FINAL QUANTITY																													

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
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

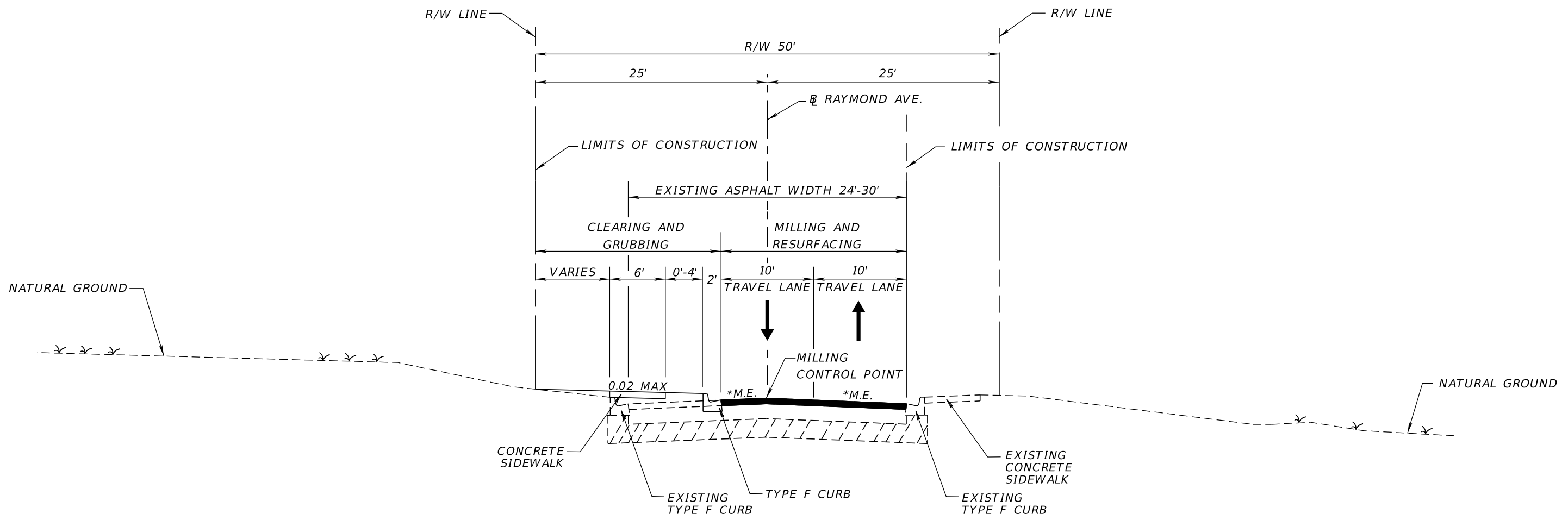
ROAD	COUNTY CIP No.
RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084

SUMMARY OF
DRAINAGE STRUCTURES

SHEET NO.
10

QUANTITY	STR. NO.	BASELINE	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN PIPE (ROUND)				CURB INLETS						MANHOLES			DITCH BOTTOM INLETS	CROSS DRAIN MITERED END SECTION		REMARKS				
							PVC	CONCRETE			P-1	P-2	P-3	P-4	P-5	P-6	Modify	Closed Flume		P-8				C			
							4"	15"	18"	24"	<10'	<10'	<10'	<10'	<10'	<10'		Type 1	Type 2	Partial	Adjust	<10'		<10'	18"	24"	
P	S-39	BL_NORTH	20018+10.27	RT.	Modify Inlet																						
F	S-40	BL_NORTH	20018+09.92	LT.	Inlet, Pipe	1		8																	Conc. Jacket (2)		
P	S-41	BL_NORTH	20018+09.93	LT.	Top, Pipe	1				39								1									
F	S-42	BL_NORTH	20018+95.20	RT.	Inlet, Pipe	1		82						1													
P	S-43	BL_NORTH	20021+51.94	LT.	Manhole Top														1								
F	S-44	BL_NORTH	20025+04.13	LT.	Manhole Top															1							
P	S-45	BL_NORTH	20025+03.30	RT.	Modify Inlet			4																	Conc. Jacket		
F	S-46	BL_NORTH	20025+03.69	LT.	Inlet, Pipe	1			4					1													
P	S-47	BL_NORTH	20025+75.17	RT.	Inlet, Pipe	1		69																			
F	S-50	RB_NO_NELEG	303+55.00	LT.	MES																				1		
P	S-51	RB_NO_NELEG	303+55.00	LT.	Inlet, Pipe	1			39				1														
F	S-52	RB_NO_SELEG	401+40.00	LT.	Inlet, Pipe	1			62				1														
P	S-53	RB_NO_SWLEG	100+80.00	LT.	Inlet, Pipe	1			82					1													
F	S-54	RB_NO_SWLEG	102+86.00	RT.	Inlet, Pipe	1			184						1												
P	S-55	RB_NO_NWLEG	200+75.00	LT.	Inlet, Pipe	1			35		1																
F	S-60	RB_PSS_EALEG	302+40.00	LT.	Inlet															1							
P	S-61	RB_PSS_SWLEG	103+05.00	LT.	Inlet																1						
F	S-62	RB_PSS_NWLEG	203+30.60	LT.	Inlet																1						
P	S-65	RB_RA_SELEG	300+80.00	LT.	Inlet																	1					
F	S-66	RB_RA_NELEG	203+35.00	LT.	Inlet																	1					
P	S-70	RB_PSN_SELEG	401+89.95	LT.	Inlet																	1					
F	S-71	RB_PSN_NWLEG	200+39.41	LT.	Inlet																	1					
P	S-80	BL_PALMSPRINGS	30005+62.03	LT.	Modify Inlet																						
F	S-81	BL_PALMSPRINGS	30005+60.00	RT.	Inlet, Pipe	1			38		1																
P	S-85	BL_NORTH	20042+89.34	LT.	Manhole Top																	1					
F	S-86	BL_NORTH	20043+20.00	LT.	Manhole, Pipe	1			6													1			Conc. Jacket (2)		
P	S-87	BL_NORTH	20043+20.00	LT.	Inlet, Pipe	1			5		1																
F	SHEET TOTALS								163	449	45	3		2	2	3	1	3	5	2	3	1	1		1		
	PROJECT TOTALS								14	1592	1383	45	11	2	3	3	8	3	4	5	2	3	2	2	2	4	1

REVISIONS				MARK W. SUAREZ, P.E. LICENSE NO. 76977 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		SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
						RAYMOND AVE., NORTH ST., PALM SPRINGS DR.		01907084

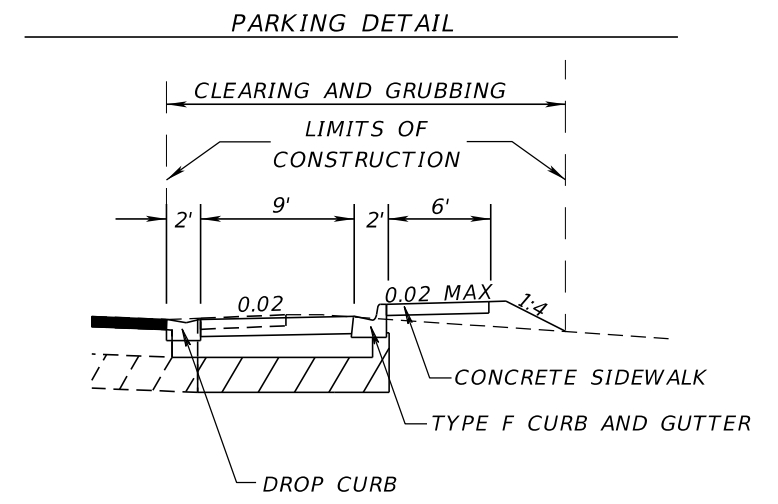


*M.E. = MATCH EXISTING CROSS SLOPE

TYPICAL SECTION 1
RAYMOND AVENUE
STA. 10000+29.33 TO STA. 10015+40.00

MILLING
 MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

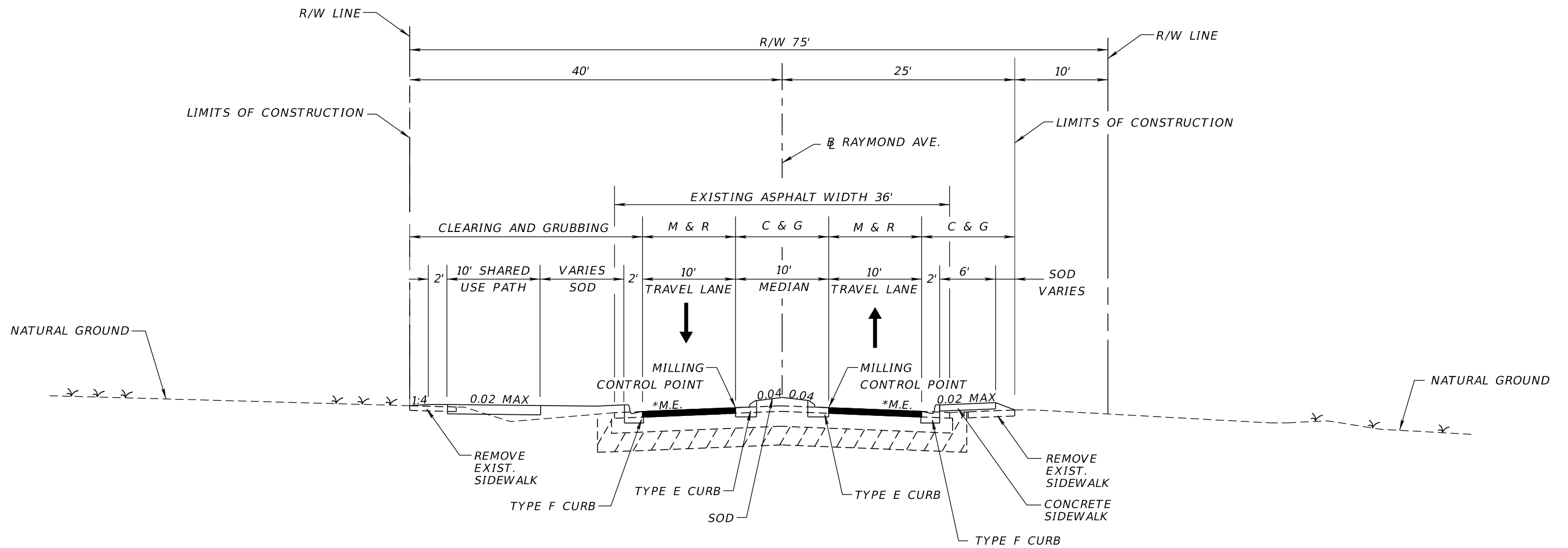
RESURFACING
 FRICTION COURSE FC-12.5 (2") (PG 76-22)



TRAFFIC DATA

DESIGN SPEED = 25 MPH
 POSTED SPEED = 25 MPH

REVISIONS				MARK W. SUAREZ, P.E. LICENSE NO. 76977 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. 12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH	01907084	TYPICAL SECTIONS	12
					ST., PALM SPRINGS DR.			



*M.E. = MATCH EXISTING CROSS SLOPE

**TYPICAL SECTION 2
RAYMOND AVENUE
STA. 10020+40.00 TO STA. 10029+67.56**

MILLING
MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

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

TRAFFIC DATA

DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

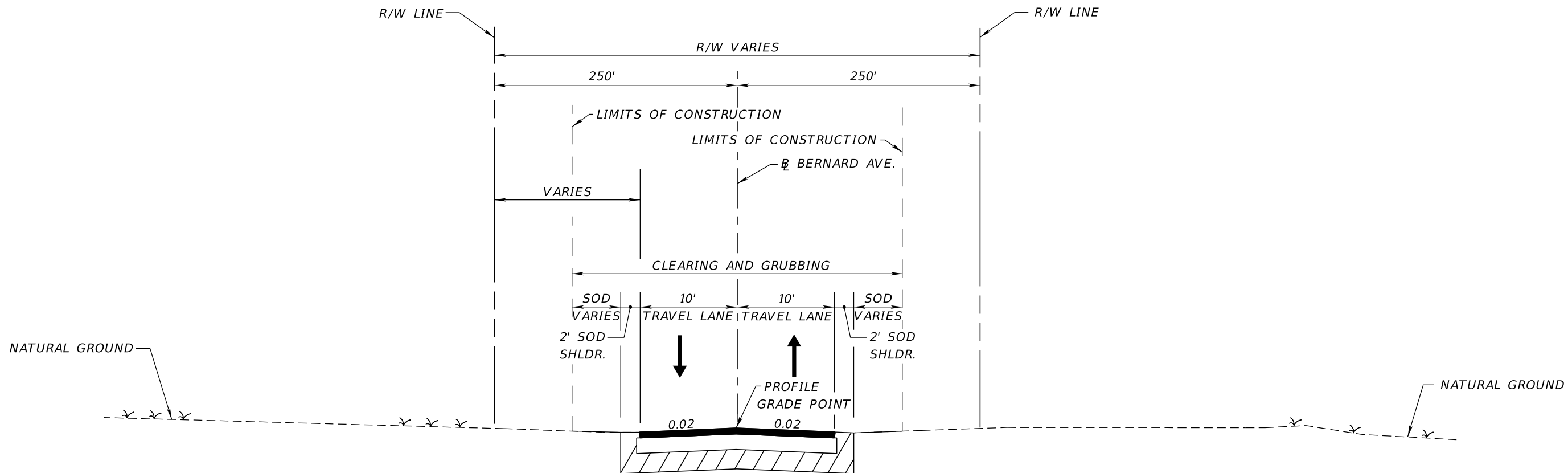
REVISIONS				<small>MARK W. SUAREZ, P.E. LICENSE NO. 76977</small> HR <small>315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small>	<small>SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1</small> <small>ROAD COUNTY CIP No.</small>		<p>TYPICAL SECTIONS</p>	<p>SHEET NO. 13</p>
DATE	DESCRIPTION	DATE	DESCRIPTION		<small>RAYMOND AVE., NORTH ST., PALM SPRINGS DR.</small>	<small>01907084</small>		

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9/15/2022

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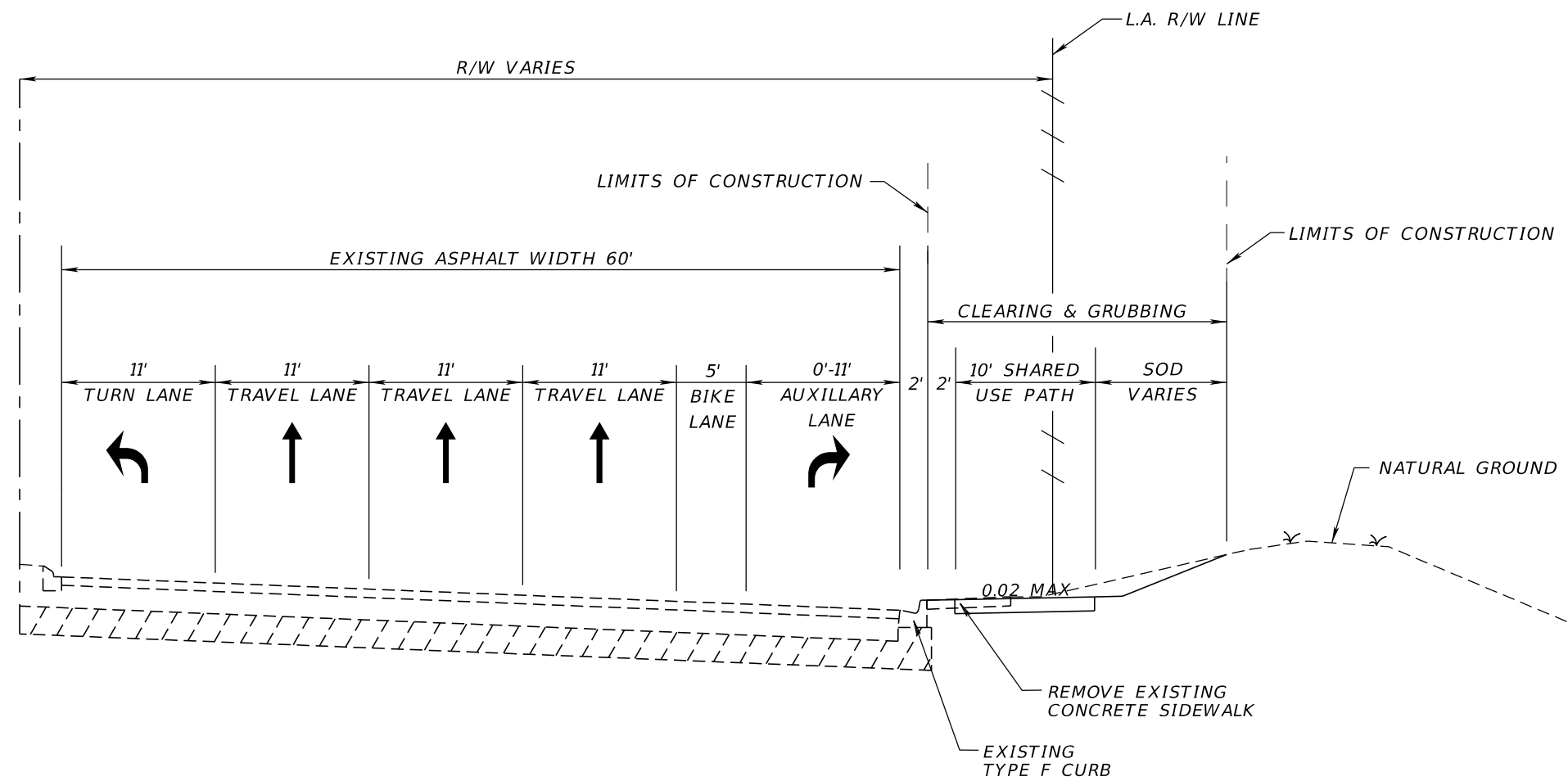
**TYPICAL SECTION 3
BERNARD AVENUE
STA. 3901+75.39 TO STA. 3903+29.13**

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				<small>MARK W. SUAREZ, P.E. LICENSE NO. 76977</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 ROLLING HILLS AREA ROADWAYS PHASE 1</small> <small>ROAD COUNTY CIP No.</small>		<p align="center">TYPICAL SECTIONS</p>	<p align="center">SHEET NO. 14</p>
DATE	DESCRIPTION	DATE	DESCRIPTION		<small>RAYMOND AVE., NORTH ST., PALM SPRINGS DR.</small>	<small>01907084</small>		

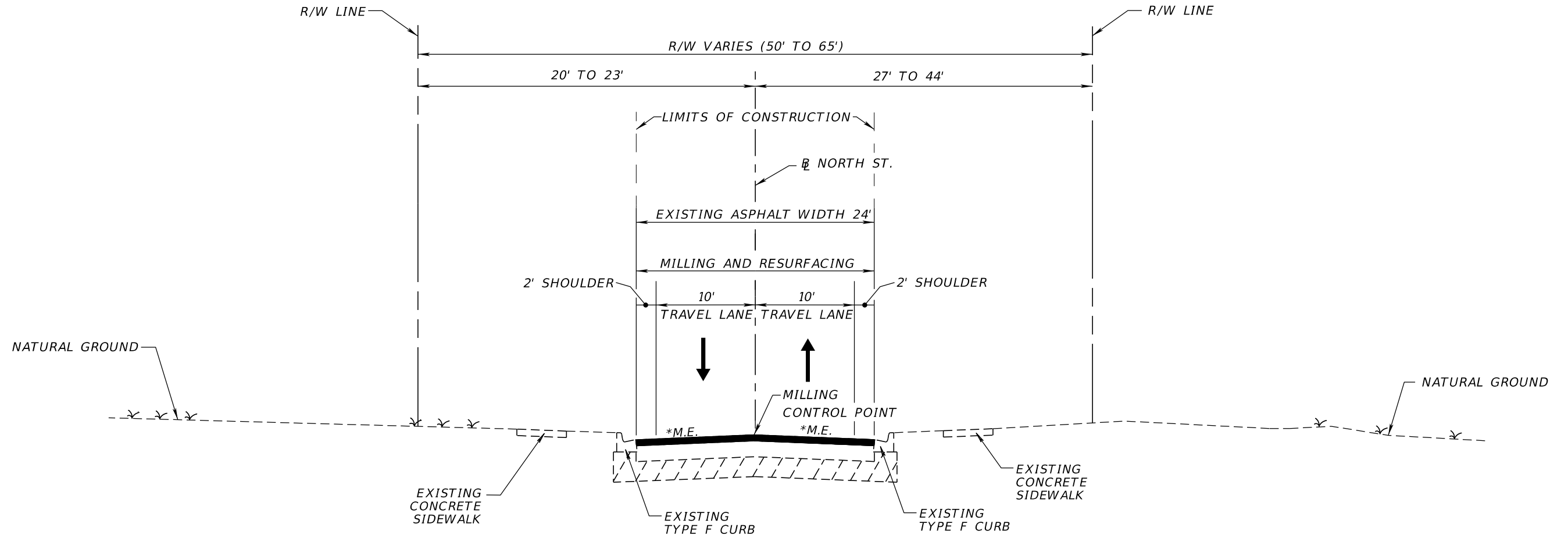


TYPICAL SECTION 4
 S.R. 434
 STA. 12+48.28 TO STA. 18+46.47

TRAFFIC DATA

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

REVISIONS				<small>MARK W. SUAREZ, P.E. LICENSE NO. 76977</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		<p>TYPICAL SECTIONS</p>	<p>SHEET NO.</p> <p>15</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 5
NORTH STREET
STA. 20003+36.27 TO STA. 20013+40.00

MILLING
 MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

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

NOTE: SEE PLANS FOR LIMITS OF SIDEWALK RECONSTRUCTION

TRAFFIC DATA

DESIGN SPEED = 25 MPH
 POSTED SPEED = 25 MPH

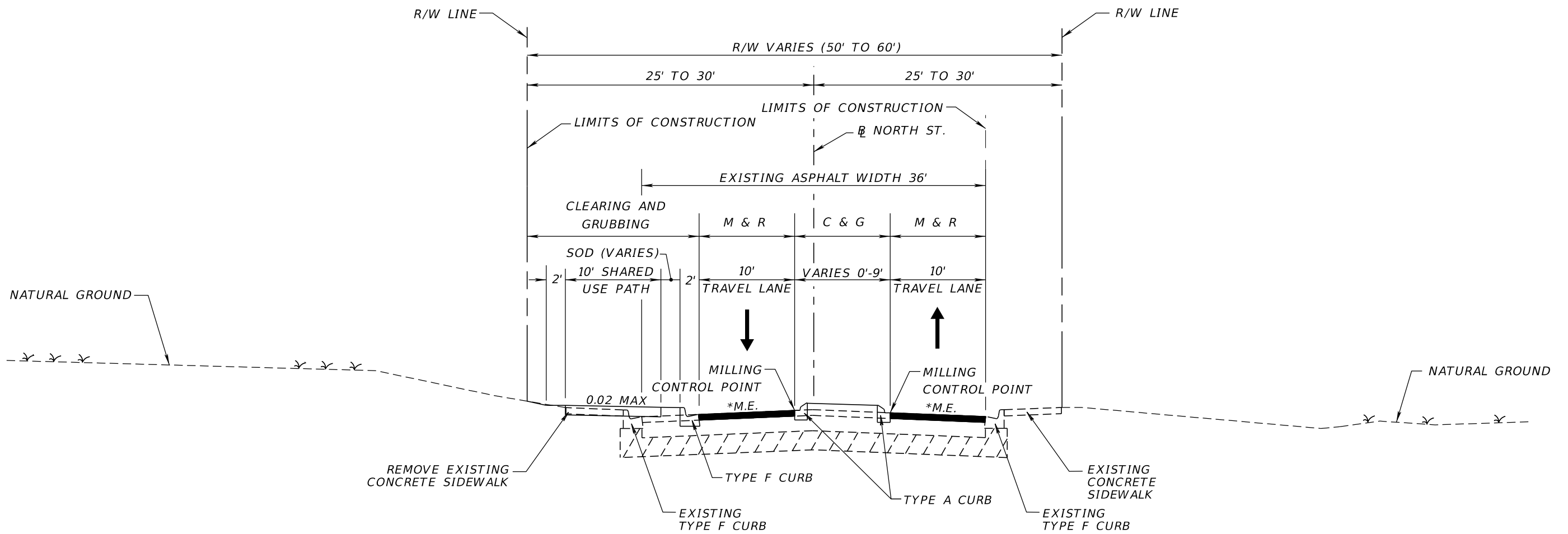
REVISIONS				<small>MARK W. SUAREZ, P.E. LICENSE NO. 76977</small> HR <small>315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small>	<small>SEMINOLE COUNTY ENGINEERING DIVISION</small> ROLLING HILLS AREA ROADWAYS PHASE 1		TYPICAL SECTIONS	<small>SHEET NO.</small> 16
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

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9/15/2022

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*M.E. = MATCH EXISTING CROSS SLOPE

TYPICAL SECTION 6
NORTH STREET
STA. 20018+20.00 TO STA. 20042+13.16

MILLING
 MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

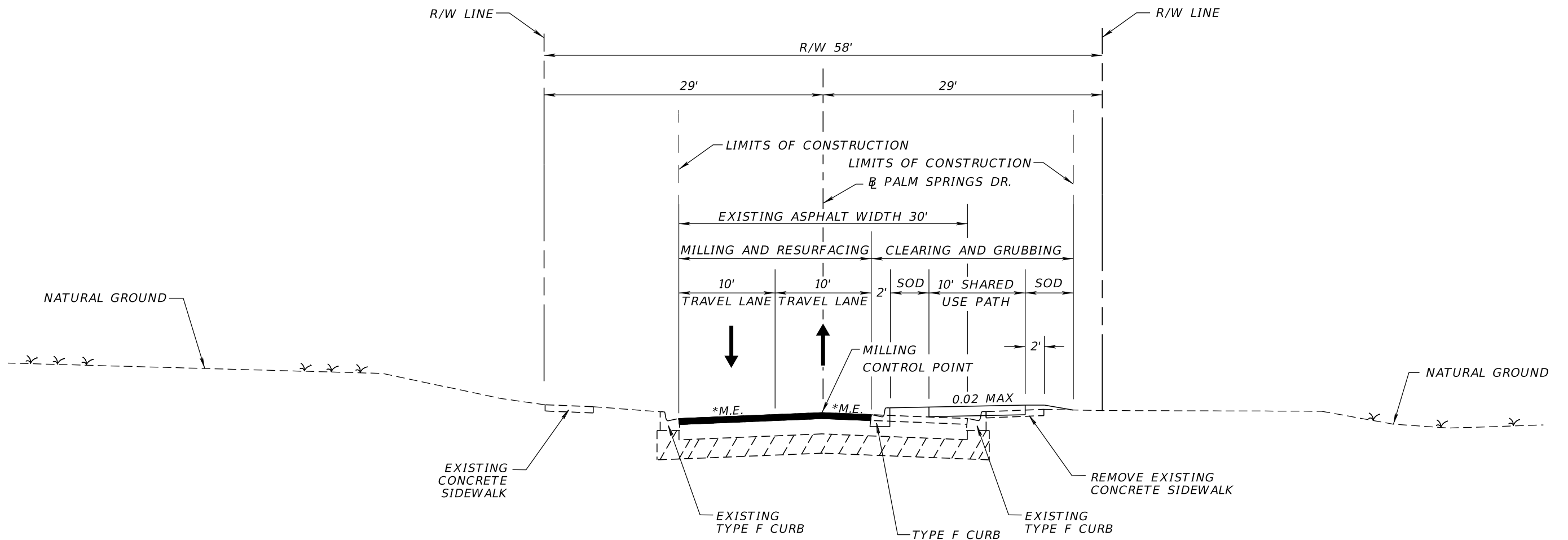
RESURFACING
 FRICTION COURSE FC-12.5 (2") (PG 76-22)

- 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				MARK W. SUAREZ, P.E. LICENSE NO. 76977 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		



*M.E. = MATCH EXISTING CROSS SLOPE

**TYPICAL SECTION 7
PALM SPRINGS DRIVE
STA. 30005+44.70 TO STA. 30012+76.13**

MILLING
MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

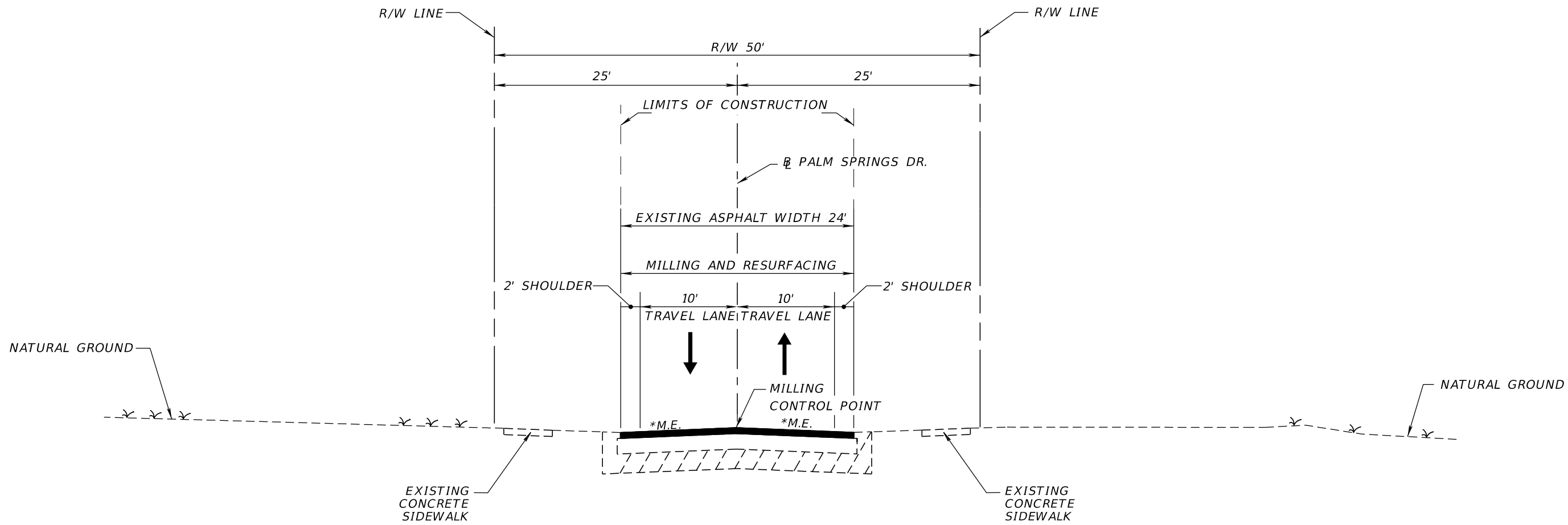
RESURFACING
FRICTION COURSE FC-12.5 (2") (PG 76-22)

NOTE: SEE PLANS FOR LIMITS OF SIDEWALK RECONSTRUCTION

TRAFFIC DATA

DESIGN SPEED = 25 MPH
POSTED SPEED = 25 MPH

REVISIONS				MARK W. SUAREZ, P.E. LICENSE NO. 76977 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. 18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		



*M.E. = MATCH EXISTING CROSS SLOPE

TYPICAL SECTION 8
PALM SPRINGS DRIVE
 STA. 30012+76.13 TO STA. 30020+60.00
 STA. 30030+20.00 TO STA. 30058+48.06

MILLING
 MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")

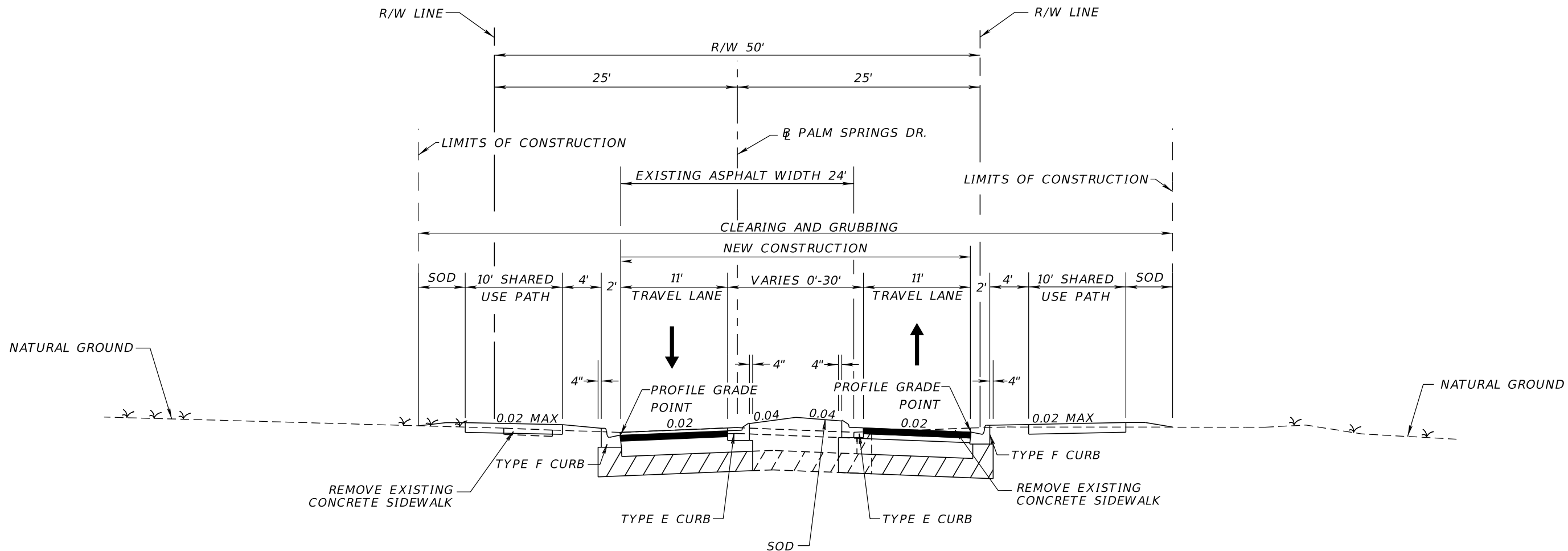
RESURFACING
 FRICTION COURSE FC-12.5 (2") (PG 76-22)

TRAFFIC DATA

DESIGN SPEED = 25 MPH
 POSTED SPEED = 25 MPH

NOTE: SEE PLANS FOR LIMITS OF SIDEWALK RECONSTRUCTION

REVISIONS				<small>MARK W. SUAREZ, P.E. LICENSE NO. 76977</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		



*M.E. = MATCH EXISTING CROSS SLOPE

**TYPICAL SECTION 9
PALM SPRINGS DRIVE**

STA. 30020+60.00 TO STA. 30022+22.01
 STA. 30023+41.93 TO STA. 30027+35.09
 STA. 30028+70.95 TO STA. 30030+20.00

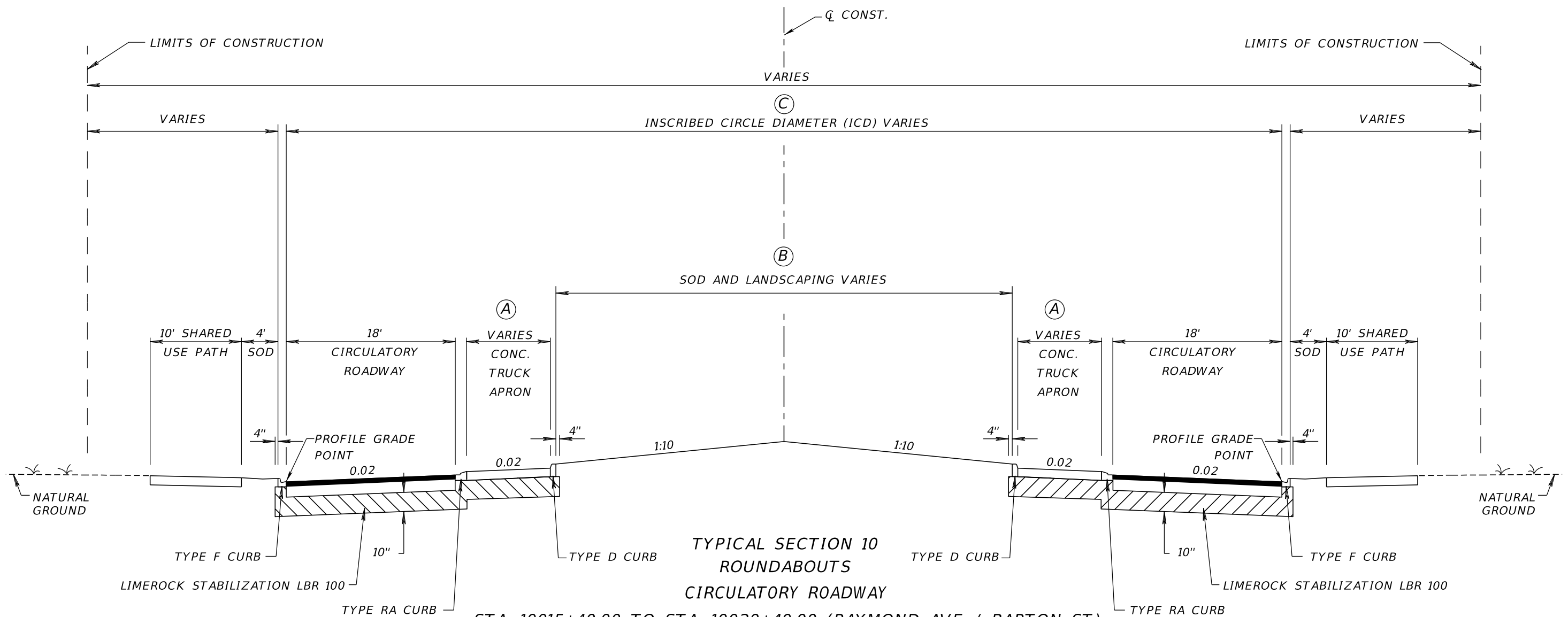
WIDENING

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

TRAFFIC DATA

DESIGN SPEED = 25 MPH
 POSTED SPEED = 25 MPH

REVISIONS				MARK W. SUAREZ, P.E. LICENSE NO. 76977 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 ST., PALM SPRINGS DR.	01907084		



**TYPICAL SECTION 10
ROUNDBOUTS
CIRCULATORY ROADWAY**

- STA. 10015+40.00 TO STA. 10020+40.00 (RAYMOND AVE / BARTON ST)
- STA. 20013+40.00 TO STA. 20018+20.00 (NORTH ST / VIRGINIA AVE)
- STA. 30022+22.01 TO STA. 30023+41.93 (PALM SPRINGS DR / STANLEY ST)
- STA. 30027+35.09 TO STA. 30028+70.95 (PALM SPRINGS DR / BARTON 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	6.5'	62'-180'	102'-532'
NORTH / VIRGINIA	4'	74'-138'	120'-240'
PALM SPRINGS / STANLEY	8'	58.17'	120'
PALM SPRINGS / BARTON	8'	58.17'	120'

TRAFFIC DATA

DESIGN SPEED = 15 MPH

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

REVISIONS				MARK W. SUAREZ, P.E. <small>LICENSE NO. 76977 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small>	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		TYPICAL SECTIONS	SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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.
 22

COORDINATE AND CURVE DATA

Baseline Name: BL_BERNARD		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: BE01	P.I.	3884+10.00	1,581,782.4545	533,028.3588		88° 02' 31.32" W								
Curve: BL_BERNARD1	P.I.	3886+12.19	1,581,775.5465	532,826.2883	S 88° 02' 31.32" W	N 25° 23' 20.72" E	117° 20' 49.39" (RT)	134° 10' 55.75"	70.1561	87.4535	42.7000			
	P.C.	3885+42.03	1,581,777.9435	532,896.4035										
	P.T.	3886+29.49	1,581,838.9267	532,856.3687										
	C.C.		1,581,820.6186	532,894.9446										
Curve: BL_BERNARD2	P.I.	3887+19.90	1,581,920.6047	532,895.1332	N 25° 23' 20.72" E	N 83° 10' 57.55" W	108° 34' 18.26" (LT)	88° 08' 50.47"	90.4100	123.1707	65.0000			
	P.C.	3886+29.49	1,581,838.9267	532,856.3687										
	P.T.	3887+52.66	1,581,931.3368	532,805.3624										
	C.C.		1,581,866.7963	532,797.6466										
Curve: BL_BERNARD3	P.I.	3887+98.39	1,581,936.7657	532,759.9506	N 83° 10' 57.55" W	N 15° 57' 15.62" W	67° 13' 41.93" (RT)	83° 16' 43.50"	45.7351	80.7269	68.8000			
	P.C.	3887+52.66	1,581,931.3368	532,805.3624										
	P.T.	3888+33.38	1,581,980.7392	532,747.3794										
	C.C.		1,581,999.6503	532,813.5293										
Curve: BL_BERNARD4	P.I.	3890+46.83	1,582,185.9663	532,688.7084	N 15° 57' 15.62" W	N 35° 16' 52.66" W	19° 19' 37.04" (LT)	18° 11' 20.89"	53.6373	106.2555	315.0000			
	P.C.	3889+93.20	1,582,134.3950	532,703.4518										
	P.T.	3890+99.45	1,582,229.7518	532,657.7280										
	C.C.		1,582,047.8106	532,400.5852										
Curve: BL_BERNARD5	P.I.	3891+87.89	1,582,301.9440	532,606.6484	N 35° 16' 52.66" W	N 0° 04' 16.87" W	35° 12' 35.79" (RT)	20° 33' 29.62"	88.4355	171.2693	278.7000			
	P.C.	3890+99.45	1,582,229.7518	532,657.7280										
	P.T.	3892+70.72	1,582,390.3794	532,606.5383										
	C.C.		1,582,390.7265	532,885.2381										
Point: BE02	P.I.	3898+06.91	1,582,926.5717	532,605.8706	N 0° 04' 16.87" W	N 0° 04' 16.87" W								
Point: BE03	P.I.	3900+00.18	1,583,119.8429	532,605.6299	N 0° 04' 16.87" W	N 0° 04' 16.87" W								
Point: BE04	P.I.	3901+64.56	1,583,284.2148	532,605.4252	N 0° 04' 16.87" W	29° 40' 19.87" E								
Point: BE05	P.I.	3903+36.66	1,583,433.7477	532,690.6210		N 0° 04' 16.87" W								
Point: BE06	P.I.	3905+01.59	1,583,598.6840	532,690.4156	N 0° 04' 16.87" W									

COORDINATE AND CURVE DATA


Baseline Name: BL_NORTH		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		89° 45' 51.29" E								
Point: N02	P.I.	20003+00.00	1,581,459.6185	532,362.3185		89° 58' 02.95" E								
Point: N03	P.I.	20008+13.67	1,581,459.9100	532,875.9843		89° 58' 03.02" E								
Point: N04	P.I.	20029+40.19	1,581,461.1160	535,002.5090		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: BL_PALMSPRINGS		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° 44' 52.83" E	N 0° 00' 13.28" W								
Point: PS03	P.I.	30012+47.53	1,582,209.9846	536,322.9621	N 0° 00' 13.28" W	31° 23' 17.96" E								
Point: PS04	P.I.	30021+64.59	1,582,992.8372	536,800.5984		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 0° 01' 55.59" E	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' 21.52" W	N 0° 06' 21.54" W								
Point: PS09	P.I.	30059+36.43	1,586,602.6324	536,981.1860	N 0° 06' 21.54" W									

COORDINATE AND CURVE DATA

Baseline Name: BL_BERNARDPOND		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.	40000+00.00	1,581,604.1339	532,697.1114		10° 34' 11.97" W								
Point: 4001	P.I.	40008+50.00	1,582,439.7136	532,541.1899										

REVISIONS				MARK W. SUAREZ, P.E. LICENSE NO. 76977 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. 23
DATE	DESCRIPTION	DATE	DESCRIPTION							

COORDINATE AND CURVE DATA

Baseline Name: BL_RAYMOND		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	N 0° 03' 47.13" W								
Point: R03	P.I.	10026+29.98	1,584,089.5967	532,359.4225	N 0° 03' 47.13" W	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			
	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: BL_SR434		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		56° 47' 00.43" E								
Point: S101	P.I.	19+75.00	1,584,544.9452	532,349.5151		56° 48' 17.00" E								
Point: S102	P.I.	48+41.14	1,586,114.1404	534,747.9281		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			
	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		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			
	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										

COORDINATE AND CURVE DATA

Baseline Name: RB_RA_ICD		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: RB_RA_ICD1	P.I.	403+11.47	1,583,640.9053	532,380.4479	N 0° 03' 47.46" W	S 18° 39' 41.58" E	161° 24' 05.87" (RT)	112° 20' 40.80"	311.4662	143.6665	51.0000			
	P.C.	400+00.00	1,583,329.4393	532,380.7914										
	P.T.	401+43.67	1,583,345.8143	532,480.1100										
	C.C.		1,583,329.4955	532,431.7913										
Curve: RB_RA_ICD2	P.I.	402+33.18	1,583,261.0099	532,508.7513	S 18° 39' 41.58" E	S 18° 32' 06.67" W	37° 11' 48.25" (RT)	21° 32' 23.16"	89.5105	172.6887	266.0000			
	P.C.	401+43.67	1,583,345.8143	532,480.1100										
	P.T.	403+16.36	1,583,176.1425	532,480.2971										
	C.C.		1,583,260.7004	532,228.0949										
Curve: RB_RA_ICD3	P.I.	406+27.82	1,582,880.8324	532,381.2861	S 18° 32' 06.67" W	N 0° 03' 47.46" W	161° 24' 05.87" (RT)	112° 20' 40.80"	311.4662	143.6665	51.0000			
	P.C.	403+16.36	1,583,176.1425	532,480.2971										
	P.T.	404+60.02	1,583,192.2985	532,380.9426										
	C.C.		1,583,192.3547	532,431.9426										
Point: RBRA41	P.I.	405+97.16	1,583,329.4393	532,380.7914	N 0° 03' 47.46" W									

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

COORDINATE AND CURVE DATA

Baseline Name:		RB_RA_NELEG		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: RBRA200	P.I.	200+00.00	1,583,557.8156	532,373.0081		S 0° 03' 47.13" E									
Point: RBRA201	P.I.	200+69.14	1,583,488.6802	532,373.0842	S 0° 03' 47.13" E	S 6° 10' 58.68" E									
Curve: RB_RA_NELEG1	P.I.	201+32.79	1,583,425.4004	532,379.9396	S 6° 10' 58.68" E	S 56° 17' 19.69" E	50° 06' 21.01" (LT)	88° 08' 50.47"	30.3831	56.8433	65.0000				
	P.C.	201+02.40	1,583,455.6068	532,376.6672											
	P.T.	201+59.25	1,583,408.5376	532,405.2136											
	C.C.		1,583,462.6076	532,441.2891											
Curve: RB_RA_NELEG2	P.I.	202+34.78	1,583,366.6168	532,468.0445	S 56° 17' 19.69" E	S 35° 04' 00.92" E	21° 13' 18.77" (RT)	112° 20' 40.80"	9.5545	18.8900	51.0000				
	P.C.	202+25.22	1,583,371.9196	532,460.0967											
	P.T.	202+44.11	1,583,358.7967	532,473.5339											
	C.C.		1,583,329.4955	532,431.7913											
Curve: RB_RA_NELEG3	P.I.	202+92.31	1,583,319.3449	532,501.2271	S 35° 04' 00.92" E	S 86° 32' 10.08" E	51° 28' 09.16" (LT)	57° 17' 44.81"	48.2012	89.8307	100.0000				
	P.C.	202+44.11	1,583,358.7967	532,473.5339											
	P.T.	203+33.94	1,583,316.4326	532,549.3401											
	C.C.		1,583,416.2500	532,555.3821											
Curve: RB_RA_NELEG4	P.I.	203+45.70	1,583,315.7223	532,561.0762	S 86° 32' 10.08" E	S 66° 01' 48.06" E	20° 30' 22.02" (RT)	88° 08' 50.47"	11.7575	23.2635	65.0000				
	P.C.	203+33.94	1,583,316.4326	532,549.3401											
	P.T.	203+57.21	1,583,310.9457	532,571.8197											
	C.C.		1,583,251.5514	532,545.4129											
Point: RBRA202	P.I.	203+72.16	1,583,304.8723	532,585.4799											

COORDINATE AND CURVE DATA

Baseline Name:		RB_RA_SELEG		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: RB_RA_SELEG1	P.I.	300+21.65	1,583,271.9858	532,602.8343	N 2° 32' 37.98" W	N 66° 01' 48.06" W	63° 29' 10.08" (LT)	163° 42' 08.02"	21.6528	38.7815	35.0000				
	P.C.	300+00.00	1,583,250.3543	532,603.7954											
	P.T.	300+38.78	1,583,280.7824	532,583.0489											
	C.C.		1,583,248.8009	532,568.8299											
Curve: RB_RA_SELEG2	P.I.	300+66.34	1,583,291.9789	532,557.8657	N 66° 01' 48.06" W	S 66° 15' 37.69" W	47° 42' 34.25" (LT)	127° 19' 26.24"	19.8988	37.4710	45.0000				
	P.C.	300+46.44	1,583,283.8949	532,576.0483											
	P.T.	300+83.91	1,583,283.9681	532,539.6506											
	C.C.		1,583,242.7757	532,557.7667											
Curve: RB_RA_SELEG3	P.I.	301+29.74	1,583,265.5186	532,497.7002	S 66° 15' 37.69" W	S 8° 24' 42.91" W	57° 50' 54.79" (LT)	71° 37' 11.01"	44.2066	80.7718	80.0000				
	P.C.	300+85.54	1,583,283.3153	532,538.1663											
	P.T.	301+66.31	1,583,221.7876	532,491.2333											
	C.C.		1,583,210.0845	532,570.3726											
Curve: RB_RA_SELEG4	P.I.	301+89.87	1,583,198.4807	532,487.7867	S 8° 24' 42.91" W	S 18° 32' 06.67" W	10° 07' 23.76" (RT)	21° 32' 23.16"	23.5603	46.9980	266.0000				
	P.C.	301+66.31	1,583,221.7876	532,491.2333											
	P.T.	302+13.31	1,583,176.1425	532,480.2971											
	C.C.		1,583,260.7004	532,228.0949											
Curve: RB_RA_SELEG5	P.I.	302+33.63	1,583,156.8700	532,473.8355	S 18° 32' 06.67" W	S 61° 59' 46.20" W	43° 27' 39.53" (RT)	112° 20' 40.80"	20.3268	38.6854	51.0000				
	P.C.	302+13.31	1,583,176.1425	532,480.2971											
	P.T.	302+51.99	1,583,147.3260	532,455.8886											
	C.C.		1,583,192.3547	532,431.9426											
Curve: RB_RA_SELEG6	P.I.	303+01.18	1,583,124.2293	532,412.4572	S 61° 59' 46.20" W	S 26° 55' 48.30" W	35° 03' 57.90" (LT)	88° 08' 50.47"	20.5356	39.7812	65.0000				
	P.C.	302+80.65	1,583,133.8714	532,430.5884											
	P.T.	303+20.43	1,583,105.9206	532,403.1565											
	C.C.		1,583,076.4819	532,461.1079											
Curve: RB_RA_SELEG7	P.I.	303+80.47	1,583,052.3865	532,375.9618	S 26° 55' 48.30" W	S 0° 04' 51.75" E	27° 00' 40.05" (LT)	22° 55' 05.92"	60.0454	117.8583	250.0000				
	P.C.	303+20.43	1,583,105.9206	532,403.1565											
	P.T.	304+38.29	1,582,992.3412	532,376.0467											
	C.C.		1,582,992.6949	532,626.0465											
Point: RBRA301	P.I.	304+85.12	1,582,945.5020	532,376.1130	S 0° 04' 51.75" E										

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

COORDINATE AND CURVE DATA

Baseline Name:		RB_RA_WELEG		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: RBRA10	P.I.	100+00.00	1,582,991.8521	532,356.0632		N 0° 02' 29.90" W									
Curve: RB_RA_WELEG1	P.I.	100+96.18	1,583,088.0322	532,355.9933	N 0° 02' 29.90" W	N 22° 25' 34.53" E	22° 28' 04.43" (RT)	76° 23' 39.74"	14.8966	29.4104	75.0000				
	P.C.	100+81.28	1,583,073.1356	532,356.0042											
	P.T.	101+10.69	1,583,101.8022	532,361.6763											
	C.C.		1,583,073.1901	532,431.0042											
Curve: RB_RA_WELEG2	P.I.	101+23.49	1,583,113.6288	532,366.5572	N 22° 25' 34.53" E	N 27° 32' 56.76" E	5° 07' 22.23" (RT)	20° 02' 00.56"	12.7942	25.5714	286.0000				
	P.C.	101+10.69	1,583,101.8022	532,361.6763											
	P.T.	101+36.27	1,583,124.9723	532,372.4747											
	C.C.		1,582,992.6949	532,626.0465											
Curve: RB_RA_WELEG3	P.I.	101+54.70	1,583,141.3129	532,380.9988	N 27° 32' 56.76" E	N 0° 03' 47.46" W	27° 36' 44.21" (LT)	76° 23' 39.74"	18.4303	36.1444	75.0000				
	P.C.	101+36.27	1,583,124.9723	532,372.4747											
	P.T.	101+72.41	1,583,159.7432	532,380.9785											
	C.C.		1,583,159.6604	532,305.9786											
Curve: RB_RA_WELEG4	P.I.	103+77.33	1,583,364.6636	532,380.7525	N 0° 03' 47.46" W	N 39° 28' 52.98" W	39° 25' 05.52" (LT)	88° 08' 28.16"	23.2867	44.7217	65.0046				
	P.C.	103+54.04	1,583,341.3769	532,380.7782											
	P.T.	103+98.77	1,583,382.6369	532,365.9462											
	C.C.		1,583,341.3052	532,315.7737											
Curve: RB_RA_WELEG5	P.I.	104+34.59	1,583,410.2844	532,343.1705	N 39° 28' 52.98" W	N 0° 03' 47.13" W	39° 25' 05.85" (RT)	57° 17' 59.71"	35.8206	68.7929	99.9928				
	P.C.	103+98.77	1,583,382.6369	532,365.9462											
	P.T.	104+67.56	1,583,446.1050	532,343.1311											
	C.C.		1,583,446.2151	532,443.1238											
Point: RBRA11	P.I.	105+79.24	1,583,557.7826	532,343.0081	N 0° 03' 47.13" W										


COORDINATE AND CURVE DATA

Baseline Name:		RB_NO_ICD		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: RB_NO_ICD1	P.I.	502+69.52	1,581,294.8120	533,851.7113	S 25° 41' 51.13" E	N 50° 47' 52.99" W	154° 53' 58.13" (RT)	95° 29' 34.68"	269.5234	162.2104	60.0000				
	P.C.	500+00.00	1,581,537.6784	533,734.8405											
	P.T.	501+62.21	1,581,465.1658	533,642.8514											
	C.C.		1,581,511.6612	533,680.7748											
Curve: RB_NO_ICD2	P.I.	501+86.52	1,581,480.5278	533,624.0170	N 50° 47' 52.99" W	N 73° 41' 51.68" W	22° 53' 58.68" (LT)	47° 44' 47.34"	24.3048	47.9609	120.0000				
	P.C.	501+62.21	1,581,465.1658	533,642.8514											
	P.T.	502+10.17	1,581,487.3503	533,600.6894											
	C.C.		1,581,372.1750	533,567.0047											
Curve: RB_NO_ICD3	P.I.	504+79.69	1,581,563.0070	533,342.0024	N 73° 41' 51.68" W	N 81° 12' 06.46" E	154° 53' 58.13" (RT)	95° 29' 34.68"	269.5234	162.2104	60.0000				
	P.C.	502+10.17	1,581,487.3503	533,600.6894											
	P.T.	503+72.38	1,581,604.2319	533,608.3544											
	C.C.		1,581,544.9379	533,617.5317											
Curve: RB_NO_ICD4	P.I.	504+61.34	1,581,617.8386	533,696.2662	N 81° 12' 06.46" E	S 25° 41' 51.13" E	73° 06' 02.42" (RT)	47° 44' 47.34"	88.9586	153.1017	120.0000				
	P.C.	503+72.38	1,581,604.2319	533,608.3544											
	P.T.	505+25.48	1,581,537.6784	533,734.8405											
	C.C.		1,581,485.6439	533,626.7090											

REVISIONS				MARK W. SUAREZ, P.E. LICENSE NO. 76977 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. 26
DATE	DESCRIPTION	DATE	DESCRIPTION					

COORDINATE AND CURVE DATA

Baseline Name: RB_NO_NELEG		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: RB_NO_NELEG1	P.I.	300+03.14	1,581,734.3860	533,520.8208	S 3° 58' 33.78" E	S 4° 49' 12.25" E	0° 50' 38.46" (LT)	13° 26' 58.97"	3.1377	6.2754	426.0000			
	P.C.	300+00.00	1,581,737.5161	533,520.6032										
	P.T.	300+06.28	1,581,731.2593	533,521.0845										
	C.C.		1,581,767.0548	533,945.5779										
Curve: RB_NO_NELEG2	P.I.	300+53.49	1,581,684.2090	533,525.0520	S 4° 49' 12.25" E	S 39° 45' 58.21" E	34° 56' 45.96" (LT)	38° 11' 49.87"	47.2173	91.4887	150.0000			
	P.C.	300+06.28	1,581,731.2593	533,521.0845										
	P.T.	300+97.76	1,581,647.9150	533,555.2548										
	C.C.		1,581,743.8634	533,670.5540										
Curve: RB_NO_NELEG3	P.I.	301+54.11	1,581,604.6038	533,591.2969	S 39° 45' 58.21" E	N 88° 13' 28.05" E	52° 00' 33.74" (LT)	88° 08' 50.47"	31.7092	59.0028	65.0000			
	P.C.	301+22.40	1,581,628.9775	533,571.0140										
	P.T.	301+81.40	1,581,605.5863	533,622.9909										
	C.C.		1,581,670.5551	533,620.9770										
Curve: RB_NO_NELEG4	P.I.	302+60.04	1,581,608.0227	533,701.5858	N 88° 13' 28.05" E	S 25° 18' 14.96" E	66° 28' 16.99" (RT)	47° 44' 47.34"	78.6326	139.2173	120.0000			
	P.C.	301+81.40	1,581,605.5863	533,622.9909										
	P.T.	303+20.62	1,581,536.9347	533,735.1952										
	C.C.		1,581,485.6439	533,626.7090										
Curve: RB_NO_NELEG5	P.I.	303+73.42	1,581,488.7847	533,756.8541	S 24° 13' 09.17" E	S 75° 29' 55.76" E	51° 16' 46.59" (LT)	52° 05' 13.46"	52.7972	98.4498	110.0000			
	P.C.	303+20.62	1,581,536.9347	533,735.1952										
	P.T.	304+19.07	1,581,475.5642	533,807.9693										
	C.C.		1,581,582.0599	533,835.5133										
Curve: RB_NO_NELEG6	P.I.	304+57.21	1,581,466.0135	533,844.8961	S 75° 29' 55.76" E	S 89° 59' 24.73" E	14° 29' 28.97" (LT)	19° 05' 54.94"	38.1419	75.8767	300.0000			
	P.C.	304+19.07	1,581,475.5642	533,807.9693										
	P.T.	304+94.95	1,581,466.0070	533,883.0380										
	C.C.		1,581,766.0070	533,883.0893										
Point: RBN031	P.I.	305+12.72	1,581,466.0040	533,900.8114										

<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>MARK W. SUAREZ, P.E. LICENSE NO. 76977 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"> <thead> <tr> <th>ROAD</th> <th>COUNTY CIP No.</th> </tr> </thead> <tbody> <tr> <td>RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.</td> <td>01907084</td> </tr> </tbody> </table>		ROAD	COUNTY CIP No.	RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084	<p align="center">PROJECT CONTROL</p>			<p align="center">SHEET NO. 27</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																				
ROAD	COUNTY CIP No.																						
RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084																						

COORDINATE AND CURVE DATA

Baseline Name:		RB_NO_NWLEG		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: RBN020	P.I.	200+00.00	1,581,472.7457	533,372.4705		89° 51' 44.11" E								
Curve: RB_NO_NWLEG1	P.I.	200+72.51	1,581,472.9200	533,444.9786	N 89° 51' 44.11" E	N 61° 49' 18.14" E	28° 02' 25.97" (LT)	32° 44' 25.60"	43.6982	85.6450	175.0000			
	P.C.	200+28.81	1,581,472.8150	533,401.2805										
	P.T.	201+14.46	1,581,493.5550	533,483.4977										
	C.C.		1,581,647.8145	533,400.8598										
Curve: RB_NO_NWLEG2	P.I.	201+73.41	1,581,521.3943	533,535.4649	N 61° 49' 18.14" E	N 34° 11' 01.84" E	27° 38' 16.30" (LT)	57° 17' 44.81"	24.5974	48.2372	100.0000			
	P.C.	201+48.81	1,581,509.7790	533,513.7828										
	P.T.	201+97.05	1,581,541.7422	533,549.2850										
	C.C.		1,581,597.9272	533,466.5611										
Curve: RB_NO_NWLEG3	P.I.	202+23.79	1,581,563.8605	533,564.3075	N 34° 11' 01.84" E	N 22° 05' 15.13" W	56° 16' 16.97" (LT)	114° 35' 29.61"	26.7376	49.1060	50.0000			
	P.C.	201+97.05	1,581,541.7422	533,549.2850										
	P.T.	202+46.16	1,581,588.6358	533,554.2535										
	C.C.		1,581,569.8347	533,507.9230										
Curve: RB_NO_NWLEG4	P.I.	202+58.26	1,581,599.8496	533,549.7029	N 22° 05' 15.13" W	N 43° 10' 52.08" W	21° 05' 36.95" (LT)	88° 08' 50.47"	12.1020	23.9299	65.0000			
	P.C.	202+46.16	1,581,588.6358	533,554.2535										
	P.T.	202+70.09	1,581,608.6743	533,541.4215										
	C.C.		1,581,564.1944	533,494.0239										
Curve: RB_NO_NWLEG5	P.I.	202+87.42	1,581,621.3116	533,529.5621	N 43° 10' 52.08" W	N 30° 00' 00.21" W	13° 10' 51.88" (RT)	38° 11' 49.87"	17.3305	34.5080	150.0000			
	P.C.	202+70.09	1,581,608.6743	533,541.4215										
	P.T.	203+04.59	1,581,636.3202	533,520.8968										
	C.C.		1,581,711.3204	533,650.8006										
Curve: RB_NO_NWLEG6	P.I.	203+27.94	1,581,656.5424	533,509.2215	N 30° 00' 00.21" W	S 82° 34' 50.65" W	67° 25' 09.14" (LT)	163° 42' 08.01"	23.3506	41.1840	35.0000			
	P.C.	203+04.59	1,581,636.3202	533,520.8968										
	P.T.	203+45.78	1,581,653.5272	533,486.0664										
	C.C.		1,581,618.8202	533,490.5860										
Curve: RB_NO_NWLEG7	P.I.	203+79.38	1,581,649.1884	533,452.7475	S 82° 34' 50.65" W	N 60° 16' 27.67" W	37° 08' 41.68" (RT)	57° 17' 44.81"	33.6002	64.8301	100.0000			
	P.C.	203+45.78	1,581,653.5272	533,486.0664										
	P.T.	204+10.61	1,581,665.8490	533,423.5688										
	C.C.		1,581,752.6900	533,473.1535										
Point: RBN021	P.I.	204+32.45	1,581,676.6788	533,404.6018										

COORDINATE AND CURVE DATA

Baseline Name:		RB_NO_SELEG		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: RBN040	P.I.	400+00.00	1,581,445.8535	533,872.1178		89° 57' 49.17" W								
Curve: RB_NO_SELEG1	P.I.	400+80.13	1,581,445.8027	533,791.9865	S 89° 57' 49.17" W	N 73° 56' 02.95" W	16° 06' 07.87" (RT)	38° 11' 49.87"	21.2175	42.1554	150.0000			
	P.C.	400+58.91	1,581,445.8162	533,813.2041										
	P.T.	401+01.07	1,581,451.6745	533,771.5976										
	C.C.		1,581,595.8161	533,813.1089										
Curve: RB_NO_SELEG2	P.I.	401+24.64	1,581,458.1975	533,748.9475	N 73° 56' 02.95" W	S 88° 12' 18.67" W	17° 51' 38.37" (LT)	38° 11' 49.87"	23.5707	46.7591	150.0000			
	P.C.	401+01.07	1,581,451.6745	533,771.5976										
	P.T.	401+47.83	1,581,457.4593	533,725.3883										
	C.C.		1,581,307.5328	533,730.0863										
Curve: RB_NO_SELEG3	P.I.	401+78.47	1,581,456.4996	533,694.7633	S 88° 12' 18.67" W	S 0° 41' 33.51" W	87° 30' 45.16" (LT)	179° 02' 57.52"	30.6400	48.8762	32.0000			
	P.C.	401+47.83	1,581,457.4593	533,725.3883										
	P.T.	401+96.70	1,581,425.8618	533,694.3929										
	C.C.		1,581,425.4750	533,726.3906										
Point: RBN041	P.I.	402+38.80	1,581,383.7680	533,693.8840	S 0° 41' 33.51" W									

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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.
28

COORDINATE AND CURVE DATA

Baseline Name: RB_NO_SWLEG		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: RBN010	P.I.	100+00.00	1,581,389.3640	533,672.6670		N 1° 04' 45.00" E								
Curve: RB_NO_SWLEG1	P.I.	100+58.75	1,581,448.1012	533,673.7734	N 1° 04' 45.00" E	N 63° 29' 04.84" W	64° 33' 49.85" (LT)	163° 42' 08.02"	22.1106	39.4398	35.0000			
	P.C.	100+36.64	1,581,425.9945	533,673.3570										
	P.T.	100+76.08	1,581,457.9723	533,653.9885										
	C.C.		1,581,426.6537	533,638.3632										
Curve: RB_NO_SWLEG2	P.I.	100+82.75	1,581,460.9500	533,648.0201	N 63° 29' 04.84" W	N 50° 47' 52.99" W	12° 41' 11.85" (RT)	95° 29' 34.68"	6.6700	13.2854	60.0000			
	P.C.	100+76.08	1,581,457.9723	533,653.9885										
	P.T.	100+89.36	1,581,465.1658	533,642.8514										
	C.C.		1,581,511.6612	533,680.7748										
Curve: RB_NO_SWLEG3	P.I.	101+10.84	1,581,478.7419	533,626.2066	N 50° 47' 52.99" W	N 71° 05' 39.60" W	20° 17' 46.61" (LT)	47° 44' 47.34"	21.4793	42.5084	120.0000			
	P.C.	100+89.36	1,581,465.1658	533,642.8514										
	P.T.	101+31.87	1,581,485.7014	533,605.8861										
	C.C.		1,581,372.1750	533,567.0047										
Curve: RB_NO_SWLEG4	P.I.	101+71.08	1,581,498.4064	533,568.7898	N 71° 05' 39.60" W	S 61° 49' 18.14" W	47° 05' 02.25" (LT)	63° 39' 43.12"	39.2115	73.9593	90.0000			
	P.C.	101+31.87	1,581,485.7014	533,605.8861										
	P.T.	102+05.83	1,581,479.8900	533,534.2256										
	C.C.		1,581,400.5566	533,576.7251										
Curve: RB_NO_SWLEG5	P.I.	102+75.84	1,581,446.8303	533,472.5134	S 61° 49' 18.14" W	N 89° 00' 18.39" W	29° 10' 23.47" (RT)	32° 44' 25.60"	45.5404	89.1044	175.0000			
	P.C.	102+30.30	1,581,468.3353	533,512.6564										
	P.T.	103+19.40	1,581,447.6211	533,426.9799										
	C.C.		1,581,622.5947	533,430.0185										
Point: RBN011	P.I.	103+42.20	1,581,448.0169	533,404.1860										

COORDINATE AND CURVE DATA

Baseline Name: RB_PSS_EALEG		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: RBPSS30	P.I.	300+00.00	1,583,251.5193	537,039.2026		40° 47' 48.27" W								
Curve: RB_PSS_EALEG1	P.I.	301+17.96	1,583,162.2221	536,962.1323	S 40° 47' 48.27" W	S 9° 14' 31.60" W	31° 33' 16.67" (LT)	16° 22' 12.80"	98.8904	192.7563	350.0000			
	P.C.	300+19.07	1,583,237.0853	537,026.7450										
	P.T.	302+11.82	1,583,064.6155	536,946.2498										
	C.C.		1,583,008.4032	537,291.7063										
Curve: RB_PSS_EALEG2	P.I.	302+51.42	1,583,025.5343	536,939.8905	S 9° 14' 31.60" W	S 76° 05' 07.49" W	66° 50' 35.89" (RT)	95° 29' 34.68"	39.5953	69.9981	60.0000			
	P.C.	302+11.82	1,583,064.6155	536,946.2498										
	P.T.	302+81.82	1,583,016.0126	536,901.4572										
	C.C.		1,583,074.2519	536,887.0287										
Curve: RB_PSS_EALEG3	P.I.	303+51.86	1,582,999.1689	536,833.4693	S 76° 05' 07.49" W	S 30° 22' 49.75" W	45° 42' 17.75" (LT)	57° 17' 44.81"	42.1439	79.7701	100.0000			
	P.C.	303+09.72	1,583,009.3035	536,874.3765										
	P.T.	303+89.49	1,582,962.8120	536,812.1554										
	C.C.		1,582,912.2380	536,898.4240										
Curve: RB_PSS_EALEG4	P.I.	304+12.56	1,582,942.9123	536,800.4895	S 30° 22' 49.75" W	S 47° 51' 55.57" W	17° 29' 05.83" (RT)	38° 11' 49.87"	23.0670	45.7755	150.0000			
	P.C.	303+89.49	1,582,962.8120	536,812.1554										
	P.T.	304+35.27	1,582,927.4373	536,783.3837										
	C.C.		1,583,038.6730	536,682.7525										
Curve: RB_PSS_EALEG5	P.I.	304+65.06	1,582,907.4474	536,761.2873	S 47° 51' 55.57" W	S 30° 55' 04.20" W	16° 56' 51.38" (LT)	28° 38' 52.40"	29.7967	59.1583	200.0000			
	P.C.	304+35.27	1,582,927.4373	536,783.3837										
	P.T.	304+94.42	1,582,881.8847	536,745.9775										
	C.C.		1,582,779.1230	536,917.5585										
Point: RBPSS31	P.I.	305+11.04	1,582,867.6330	536,737.4420										

REVISIONS				 MARK W. SUAREZ, P.E. LICENSE NO. 76977 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				29

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: RB_PSS_NWLEG1	P.I.	200+38.00	1,583,098.4945	536,632.2045	N 88° 12' 41.19" E	N 59° 46' 42.07" E	28° 25' 59.12" (LT)	38° 11' 49.87"	38.0019	74.4377	150.0000			
	P.C.	200+00.00	1,583,097.3084	536,594.2211										
	P.T.	200+74.44	1,583,117.6227	536,665.0414										
	C.C.		1,583,247.2354	536,589.5394										
Curve: RB_PSS_NWLEG2	P.I.	201+45.47	1,583,153.3755	536,726.4176	N 59° 46' 42.07" E	S 69° 32' 35.48" E	50° 40' 42.45" (RT)	38° 11' 49.87"	71.0304	132.6759	150.0000			
	P.C.	200+74.44	1,583,117.6227	536,665.0414										
	P.T.	202+07.11	1,583,128.5503	536,792.9685										
	C.C.		1,582,988.0099	536,740.5433										
Curve: RB_PSS_NWLEG3	P.I.	202+49.96	1,583,113.5751	536,833.1138	S 69° 32' 35.48" E	N 62° 03' 44.87" E	48° 23' 39.65" (LT)	88° 08' 50.47"	29.2083	54.9016	65.0000			
	P.C.	202+20.75	1,583,123.7834	536,805.7475										
	P.T.	202+75.65	1,583,127.2594	536,858.9182										
	C.C.		1,583,184.6843	536,828.4651										
Curve: RB_PSS_NWLEG4	P.I.	202+82.20	1,583,130.3280	536,864.7045	N 62° 03' 44.87" E	N 74° 31' 19.17" E	12° 27' 34.30" (RT)	95° 29' 34.68"	6.5496	13.0476	60.0000			
	P.C.	202+75.65	1,583,127.2594	536,858.9182										
	P.T.	202+88.70	1,583,132.0759	536,871.0166										
	C.C.		1,583,074.2519	536,887.0287										
Curve: RB_PSS_NWLEG5	P.I.	203+52.03	1,583,148.9755	536,932.0454	N 74° 31' 19.17" E	N 24° 08' 17.84" E	50° 23' 01.33" (LT)	57° 17' 44.81"	47.0391	87.9362	100.0000			
	P.C.	203+04.99	1,583,136.4222	536,886.7123										
	P.T.	203+92.92	1,583,191.9015	536,951.2816										
	C.C.		1,583,232.7955	536,860.0255										
Curve: RB_PSS_NWLEG6	P.I.	204+22.21	1,583,218.6222	536,963.2558	N 24° 08' 17.84" E	N 40° 47' 48.27" E	16° 39' 30.44" (RT)	28° 38' 52.40"	29.2810	58.1490	200.0000			
	P.C.	203+92.92	1,583,191.9015	536,951.2816										
	P.T.	204+51.07	1,583,240.7889	536,982.3874										
	C.C.		1,583,110.1134	537,133.7938										
Point: RBPSS21	P.I.	204+94.44	1,583,273.6161	537,010.7198										

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: RBPSS10	P.I.	100+00.00	1,582,924.3990	536,742.2510		31° 19' 17.60" E								
Curve: RB_PSS_SWLEG1	P.I.	100+25.60	1,582,946.2657	536,755.5574	N 31° 19' 17.60" E	N 41° 27' 26.64" E	10° 08' 09.04" (RT)	38° 11' 49.87"	13.3025	26.5356	150.0000			
	P.C.	100+12.29	1,582,934.9019	536,748.6423										
	P.T.	100+38.83	1,582,956.2353	536,764.3645										
	C.C.		1,582,856.9258	536,876.7818										
Curve: RB_PSS_SWLEG2	P.I.	100+46.78	1,582,962.1945	536,769.6290	N 41° 27' 26.64" E	N 34° 51' 43.03" E	6° 35' 43.61" (LT)	41° 31' 07.25"	7.9515	15.8855	138.0000			
	P.C.	100+38.83	1,582,956.2353	536,764.3645										
	P.T.	100+54.72	1,582,968.7190	536,774.1741										
	C.C.		1,583,047.6000	536,660.9407										
Curve: RB_PSS_SWLEG3	P.I.	101+22.25	1,583,024.1364	536,812.7791	N 34° 51' 43.03" E	N 19° 07' 58.88" E	15° 43' 44.15" (LT)	38° 11' 49.87"	20.7194	41.1782	150.0000			
	P.C.	101+01.53	1,583,007.1355	536,800.9359										
	P.T.	101+42.71	1,583,043.7113	536,819.5702										
	C.C.		1,583,092.8757	536,677.8561										
Curve: RB_PSS_SWLEG4	P.I.	101+76.91	1,583,076.0226	536,830.7798	N 19° 07' 58.88" E	N 69° 32' 35.48" W	88° 40' 34.36" (LT)	163° 42' 08.02"	34.2005	54.1692	35.0000			
	P.C.	101+42.71	1,583,043.7113	536,819.5702										
	P.T.	101+96.88	1,583,087.9758	536,798.7361										
	C.C.		1,583,055.1830	536,786.5036										
Curve: RB_PSS_SWLEG5	P.I.	102+67.32	1,583,112.5954	536,732.7363	N 69° 32' 35.48" W	S 66° 29' 41.33" W	43° 57' 43.18" (LT)	38° 11' 49.87"	60.5461	115.0922	150.0000			
	P.C.	102+06.78	1,583,091.4345	536,789.4640										
	P.T.	103+21.87	1,583,088.4477	536,677.2141										
	C.C.		1,582,950.8941	536,737.0389										
Curve: RB_PSS_SWLEG6	P.I.	103+53.35	1,583,075.8931	536,648.3475	S 66° 29' 41.33" W	N 89° 48' 04.99" W	23° 42' 13.68" (RT)	38° 11' 49.87"	31.4785	62.0564	150.0000			
	P.C.	103+21.87	1,583,088.4477	536,677.2141										
	P.T.	103+83.93	1,583,076.0022	536,616.8693										
	C.C.		1,583,226.0013	536,617.3892										
Point: RBPSS11	P.I.	104+06.65	1,583,076.0810	536,594.1475										

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

COORDINATE AND CURVE DATA

Baseline Name:		RB_PSN_NELEG		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: RBPSN30	P.I.	300+00.00	1,583,743.1090	537,175.6960		S 0° 10' 11.65" W								
Curve: RB_PSN_NELEG1	P.I.	300+43.98	1,583,699.1284	537,175.5656	S 0° 10' 11.65" W	S 8° 46' 12.48" W	8° 36' 00.83" (RT)	28° 38' 52.40"	15.0385	30.0205	200.0000			
	P.C.	300+28.94	1,583,714.1668	537,175.6102										
	P.T.	300+58.96	1,583,684.2658	537,173.2727										
	C.C.		1,583,714.7599	536,975.6111										
Curve: RB_PSN_NELEG2	P.I.	300+73.56	1,583,669.8375	537,171.0467	S 8° 46' 12.48" W	S 0° 06' 37.89" E	8° 52' 50.37" (LT)	30° 28' 35.32"	14.5989	29.1394	188.0000			
	P.C.	300+58.96	1,583,684.2658	537,173.2727										
	P.T.	300+88.10	1,583,655.2386	537,171.0749										
	C.C.		1,583,655.6013	537,359.0746										
Curve: RB_PSN_NELEG3	P.I.	301+66.96	1,583,576.3840	537,171.2270	S 0° 06' 37.89" E	S 45° 30' 15.99" E	45° 23' 38.10" (LT)	88° 08' 50.47"	27.1860	51.4978	65.0000			
	P.C.	301+39.77	1,583,603.5700	537,171.1746										
	P.T.	301+91.27	1,583,557.3306	537,190.6189										
	C.C.		1,583,603.6954	537,236.1745										
Curve: RB_PSN_NELEG4	P.I.	302+01.54	1,583,550.1307	537,197.9468	S 45° 30' 15.99" E	S 26° 04' 21.93" E	19° 25' 54.05" (RT)	95° 29' 34.68"	10.2731	20.3488	60.0000			
	P.C.	301+91.27	1,583,557.3306	537,190.6189										
	P.T.	302+11.62	1,583,540.9030	537,202.4619										
	C.C.		1,583,514.5323	537,148.5677										
Curve: RB_PSN_NELEG5	P.I.	302+30.26	1,583,524.1554	537,210.6566	S 26° 04' 21.93" E	S 82° 09' 44.75" E	56° 05' 22.81" (LT)	163° 42' 08.02"	18.6450	34.2632	35.0000			
	P.C.	302+11.62	1,583,540.9030	537,202.4619										
	P.T.	302+45.88	1,583,521.6129	537,229.1274										
	C.C.		1,583,556.2860	537,233.9002										
Curve: RB_PSN_NELEG6	P.I.	302+78.02	1,583,517.2296	537,260.9709	S 82° 09' 44.75" E	S 59° 32' 25.88" E	22° 37' 18.86" (RT)	57° 17' 44.81"	20.0019	39.4827	100.0000			
	P.C.	302+58.02	1,583,519.9572	537,241.1559										
	P.T.	302+97.51	1,583,507.0901	537,278.2123										
	C.C.		1,583,420.8913	537,227.5194										
Point: RBPSN31	P.I.	303+61.87	1,583,474.4617	537,333.6941										

COORDINATE AND CURVE DATA

Baseline Name:		RB_PSN_NWLEG		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: RB_PSN_NWLEG1	P.I.	200+21.42	1,583,514.5367	537,055.3462	S 37° 16' 48.28" E	N 48° 46' 47.75" E	93° 56' 23.97" (LT)	286° 28' 44.03"	21.4249	32.7912	20.0000			
	P.C.	200+00.00	1,583,531.5841	537,042.3689										
	P.T.	200+32.79	1,583,528.6547	537,071.4617										
	C.C.		1,583,543.6984	537,058.2826										
Curve: RB_PSN_NWLEG2	P.I.	201+21.73	1,583,587.2618	537,138.3607	N 48° 46' 47.75" E	N 2° 15' 02.12" W	51° 01' 49.87" (LT)	57° 17' 44.81"	47.7302	89.0651	100.0000			
	P.C.	200+74.00	1,583,555.8098	537,102.4588										
	P.T.	201+63.07	1,583,634.9552	537,136.4864										
	C.C.		1,583,631.0282	537,036.5635										
Curve: RB_PSN_NWLEG3	P.I.	201+87.80	1,583,659.6698	537,135.5151	N 2° 15' 02.12" W	N 16° 28' 33.53" E	18° 43' 35.65" (RT)	38° 11' 49.87"	24.7336	49.0260	150.0000			
	P.C.	201+63.07	1,583,634.9552	537,136.4864										
	P.T.	202+12.09	1,583,683.3878	537,142.5298										
	C.C.		1,583,640.8457	537,286.3706										
Curve: RB_PSN_NWLEG4	P.I.	202+41.31	1,583,711.4060	537,150.8164	N 16° 28' 33.53" E	N 0° 08' 49.50" W	16° 37' 23.03" (LT)	28° 38' 52.40"	29.2180	58.0254	200.0000			
	P.C.	202+12.09	1,583,683.3878	537,142.5298										
	P.T.	202+70.12	1,583,740.6239	537,150.7414										
	C.C.		1,583,740.1104	536,950.7421										
Point: RBPSN21	P.I.	202+83.14	1,583,753.6510	537,150.7080	N 0° 08' 49.50" W									

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

COORDINATE AND CURVE DATA

Baseline Name:		RB_PSN_SELEG		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: RBPSN40	P.I.	400+00.00	1,583,456.1620	537,322.9330		55° 58' 02.22" W								
Curve: RB_PSN_SELEG1	P.I.	400+36.35	1,583,476.5080	537,292.8059	N 55° 58' 02.22" W	N 82° 09' 44.75" W	26° 11' 42.53" (LT)	57° 17' 44.81"	23.2663	45.7192	100.0000			
	P.C.	400+13.09	1,583,463.4867	537,312.0871										
	P.T.	400+58.81	1,583,479.6807	537,269.7570										
	C.C.		1,583,380.6149	537,256.1204										
Curve: RB_PSN_SELEG2	P.I.	401+21.02	1,583,488.1645	537,208.1248	N 82° 09' 44.75" W	S 46° 46' 46.67" W	51° 03' 28.59" (LT)	88° 08' 50.47"	31.0438	57.9234	65.0000			
	P.C.	400+89.98	1,583,483.9312	537,238.8786										
	P.T.	401+47.90	1,583,466.9055	537,185.5025										
	C.C.		1,583,419.5384	537,230.0149										
Curve: RB_PSN_SELEG3	P.I.	402+13.42	1,583,422.0400	537,137.7596	S 46° 46' 46.67" W	S 11° 13' 17.60" W	35° 33' 29.06" (LT)	57° 17' 44.81"	32.0661	62.0605	100.0000			
	P.C.	401+81.35	1,583,443.9991	537,161.1270										
	P.T.	402+43.41	1,583,390.5869	537,131.5194										
	C.C.		1,583,371.1266	537,229.6076										
Curve: RB_PSN_SELEG4	P.I.	402+85.91	1,583,348.8987	537,123.2486	S 11° 13' 17.60" W	S 40° 47' 48.27" W	29° 34' 30.67" (RT)	35° 35' 14.79"	42.5007	83.1057	161.0000			
	P.C.	402+43.41	1,583,390.5869	537,131.5194										
	P.T.	403+26.52	1,583,316.7243	537,095.4796										
	C.C.		1,583,421.9181	536,973.5974										
Point: RBPSN41	P.I.	403+38.25	1,583,307.8440	537,087.8152										

COORDINATE AND CURVE DATA

Baseline Name:		RB_PSN_SWLEG		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: RBPSN10	P.I.	100+00.00	1,583,306.1783	537,038.8235		40° 47' 48.27" E								
Curve: RB_PSN_SWLEG1	P.I.	101+04.99	1,583,385.6573	537,107.4200	N 40° 47' 48.27" E	N 8° 37' 14.20" W	49° 25' 02.47" (LT)	28° 38' 52.40"	92.0264	172.4991	200.0000			
	P.C.	100+12.96	1,583,315.9904	537,047.2920										
	P.T.	101+85.46	1,583,476.6441	537,093.6261										
	C.C.		1,583,446.6659	536,895.8856										
Curve: RB_PSN_SWLEG2	P.I.	102+20.54	1,583,511.3297	537,088.3676	N 8° 37' 14.20" W	N 2° 31' 48.36" E	11° 09' 02.55" (RT)	95° 29' 34.68"	5.8570	11.6770	60.0000			
	P.C.	102+14.69	1,583,505.5388	537,089.2456										
	P.T.	102+26.36	1,583,517.1810	537,088.6262										
	C.C.		1,583,514.5323	537,148.5677										
Curve: RB_PSN_SWLEG3	P.I.	102+34.29	1,583,525.1031	537,088.9763	N 2° 31' 48.36" E	S 43° 58' 29.23" W	138° 33' 19.13" (LT)	1909° 51' 33.50"	7.9299	7.2547	3.0000			
	P.C.	102+26.36	1,583,517.1810	537,088.6262										
	P.T.	102+33.62	1,583,519.3964	537,083.4702										
	C.C.		1,583,517.3134	537,085.6291										
Curve: RB_PSN_SWLEG4	P.I.	102+49.47	1,583,507.9853	537,072.4603	S 43° 58' 29.23" W	N 87° 16' 46.98" W	48° 44' 43.79" (RT)	163° 42' 08.02"	15.8566	29.7769	35.0000			
	P.C.	102+33.62	1,583,519.3964	537,083.4702										
	P.T.	102+63.39	1,583,508.7378	537,056.6215										
	C.C.		1,583,543.6984	537,058.2826										
Curve: RB_PSN_SWLEG5	P.I.	102+68.16	1,583,508.9641	537,051.8594	N 87° 16' 46.98" W	S 22° 55' 06.41" E	115° 38' 19.43" (LT)	1909° 51' 33.50"	4.7675	6.0548	3.0000			
	P.C.	102+63.39	1,583,508.7378	537,056.6215										
	P.T.	102+69.45	1,583,504.5729	537,053.7159										
	C.C.		1,583,505.7412	537,056.4791										

<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>MARK W. SUAREZ, P.E. LICENSE NO. 76977 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"> <thead> <tr> <th>ROAD</th> <th>COUNTY CIP No.</th> </tr> </thead> <tbody> <tr> <td>RAYMOND AVE., NORTH ST., PALM SPRINGS DR.</td> <td>01907084</td> </tr> </tbody> </table>		ROAD	COUNTY CIP No.	RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084	<p align="center">PROJECT CONTROL</p>		<p align="center">SHEET NO. 32</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																			
ROAD	COUNTY CIP No.																					
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084																					

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:

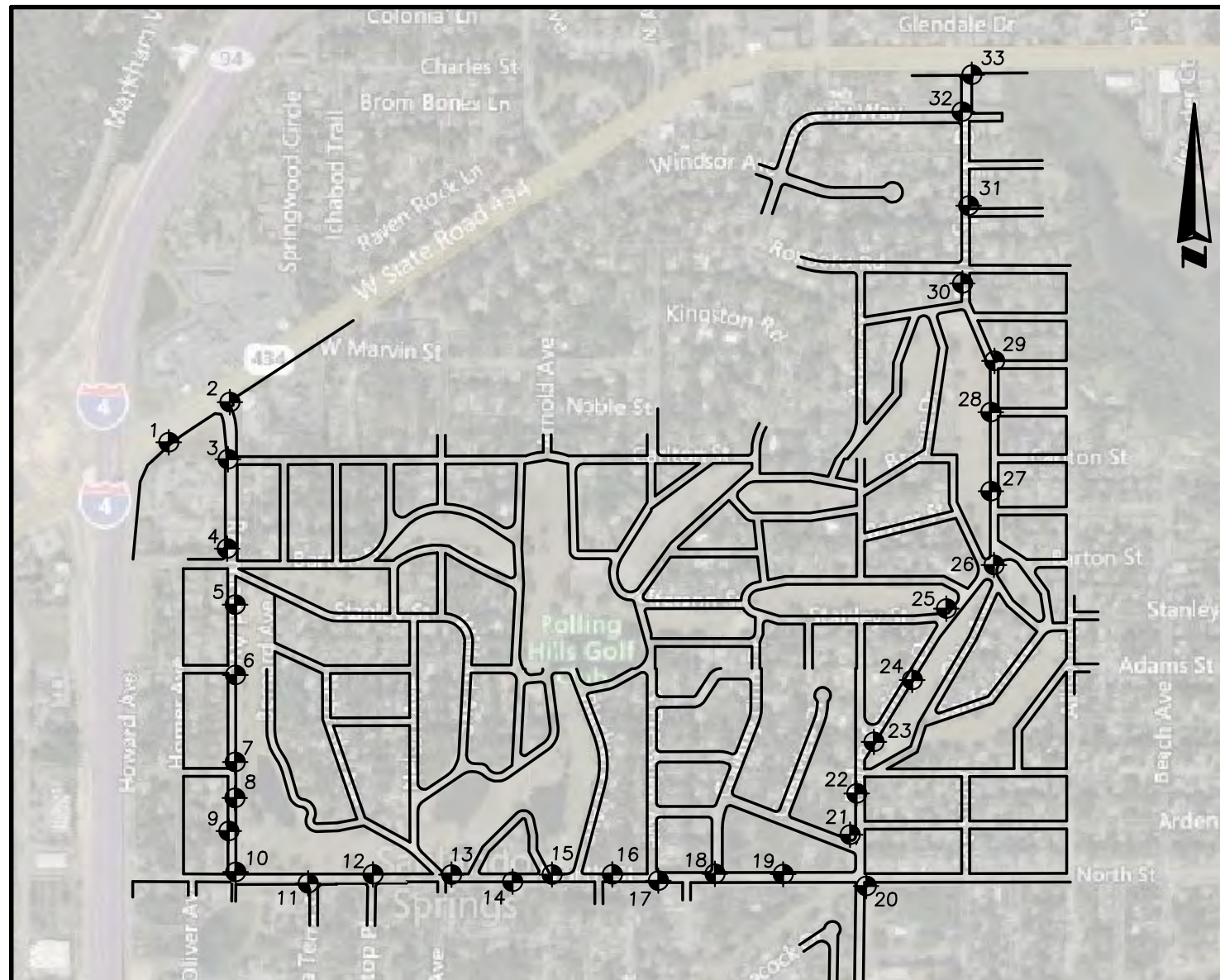
A portion of Sections 01, 02, 11, and 12, Township 21 South, Range 29 East, lying in Seminole County, Florida.

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.

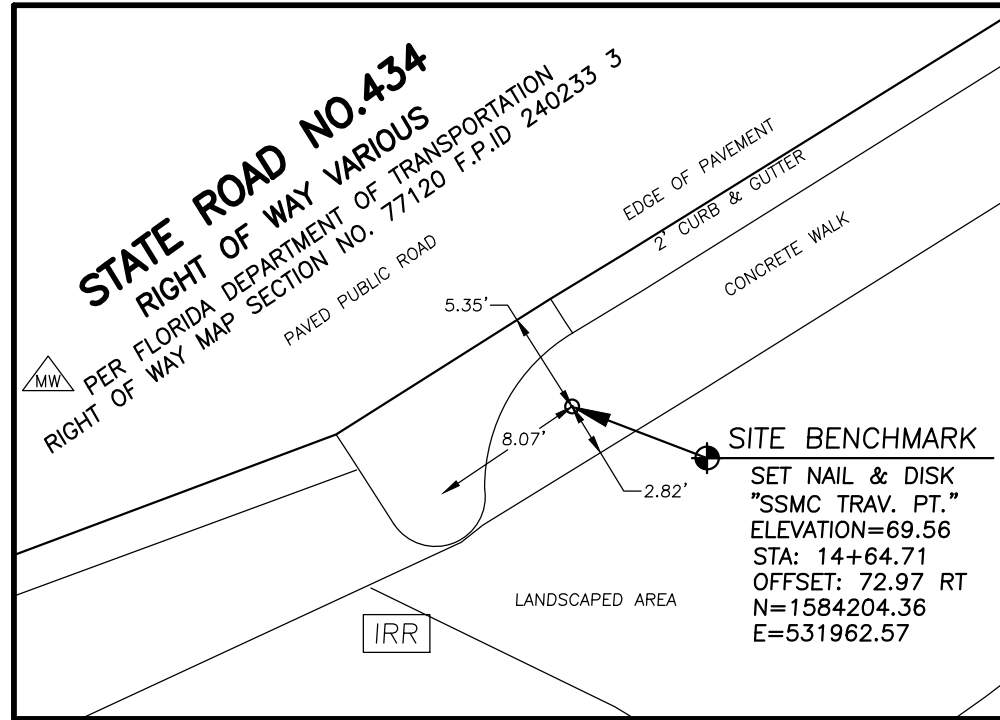


SEE SHEETS 2-10 FOR BENCHMARK DATA

REVISIONS		REVISIONS		 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. 33
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		

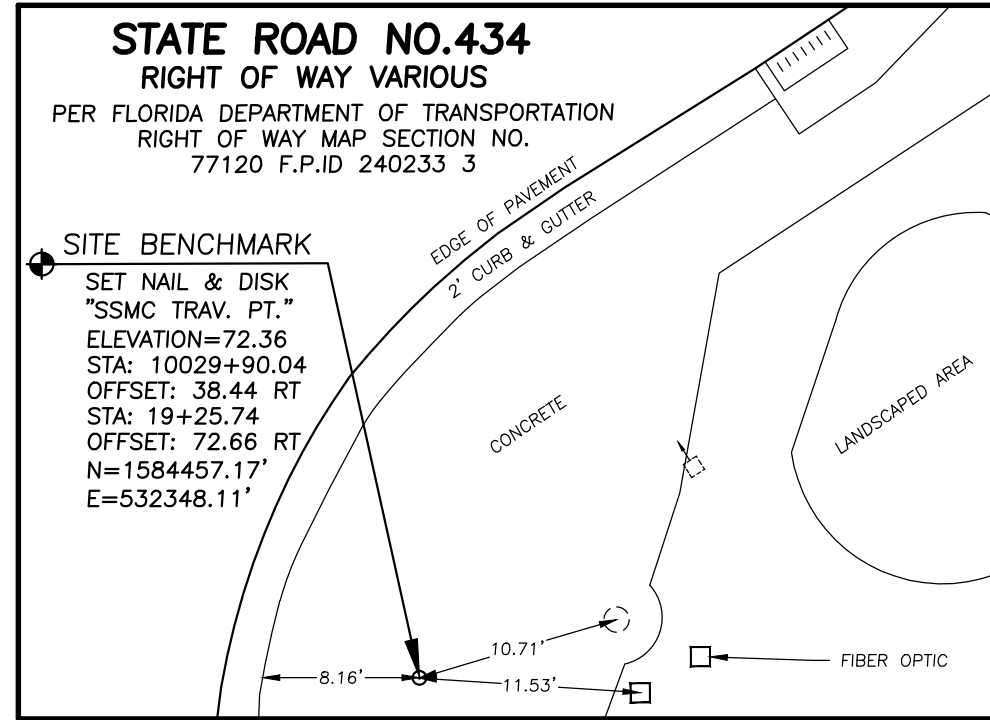
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SEE SHEET 2



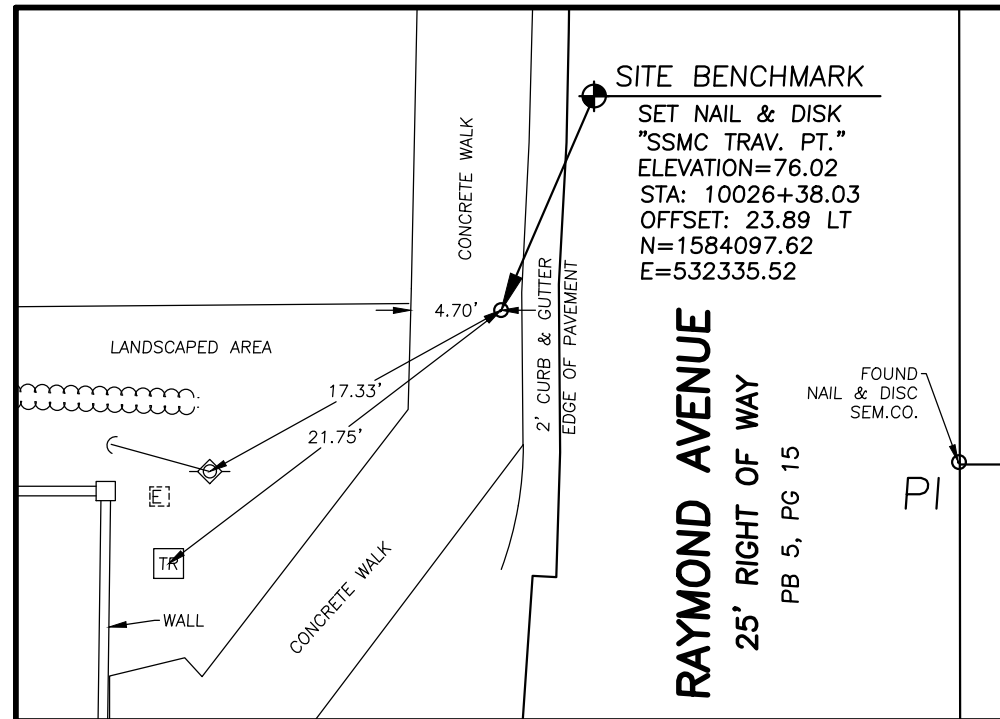
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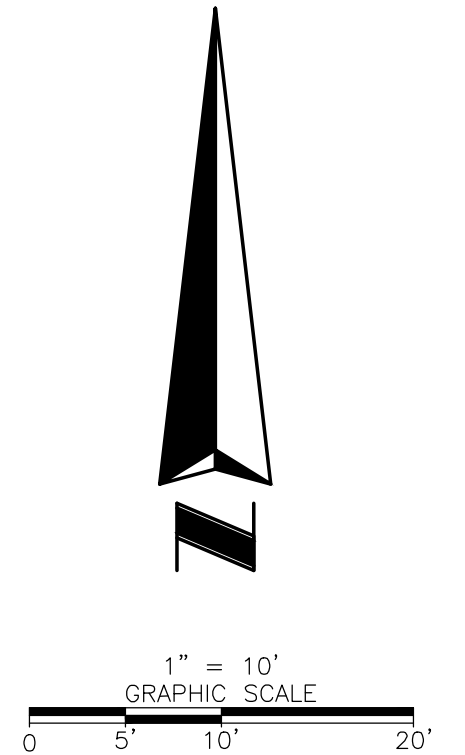
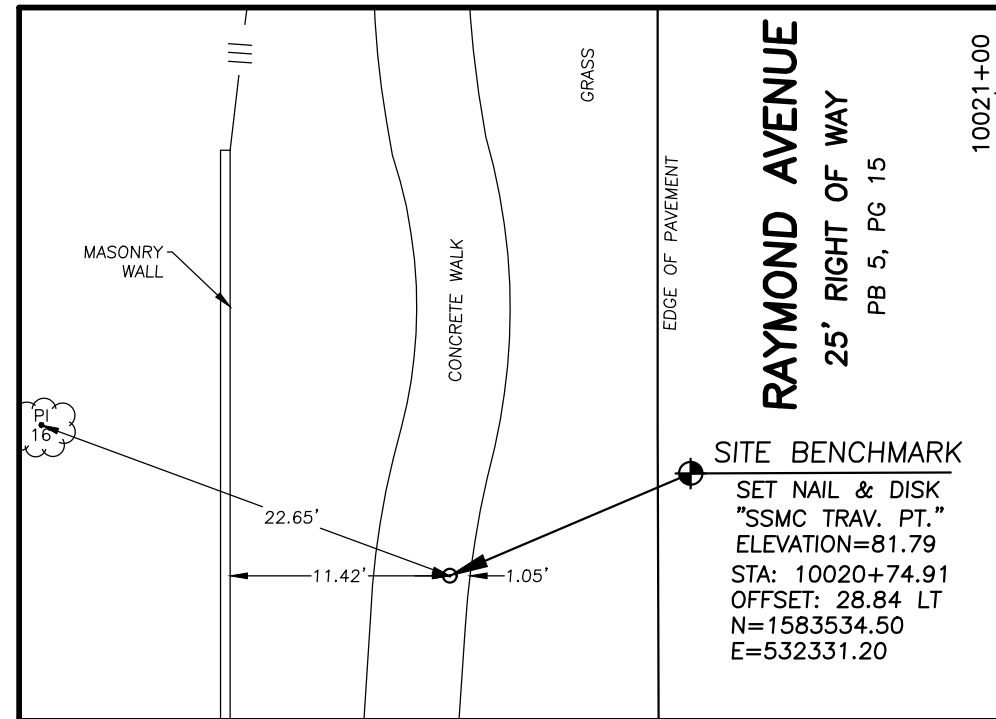
BENCHMARK 3

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BENCHMARK 4

SEE SHEET 4



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



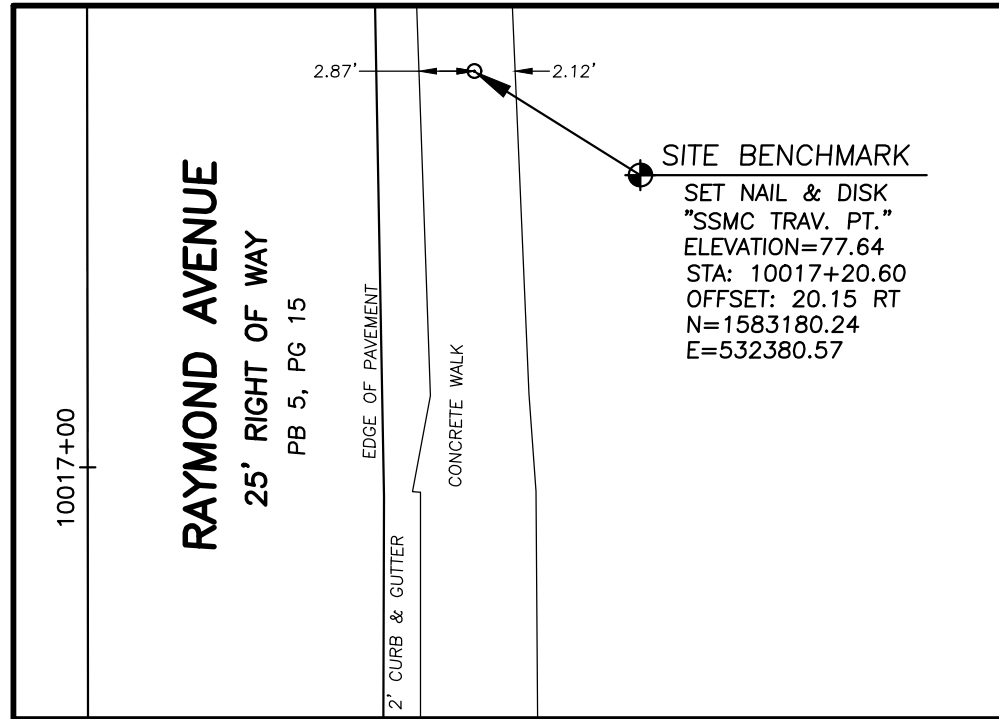
WILLIAM C. ROWE, PSM
Registered Land Surveyor
Number 5225
6500 All American Boulevard
Orlando, Florida 32810-4350
(407) 292-8580
Certification Number LB2108

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

BENCHMARKS 1-4	
SHEET NO. 34	

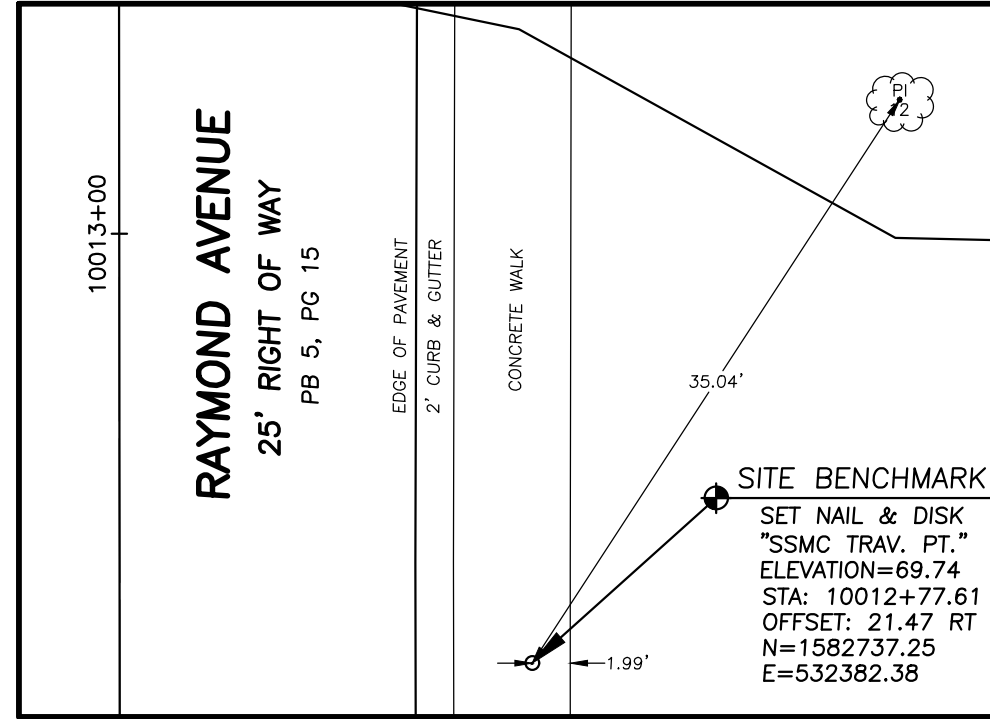
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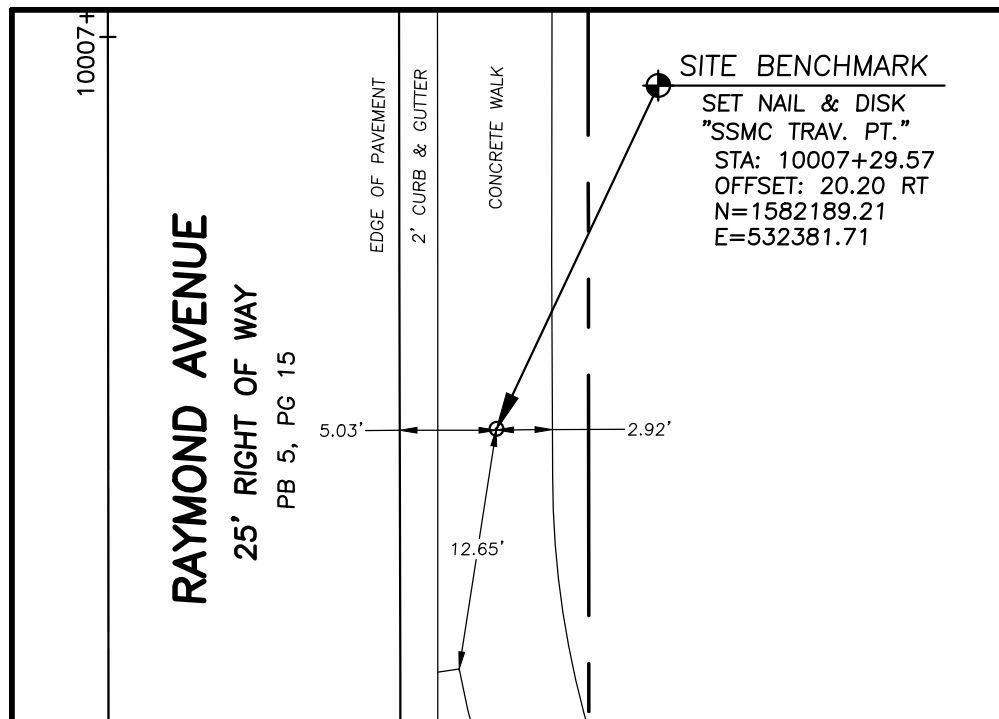
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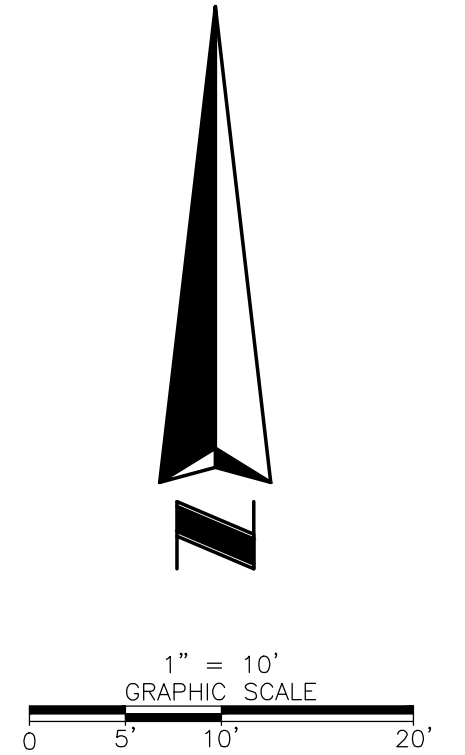
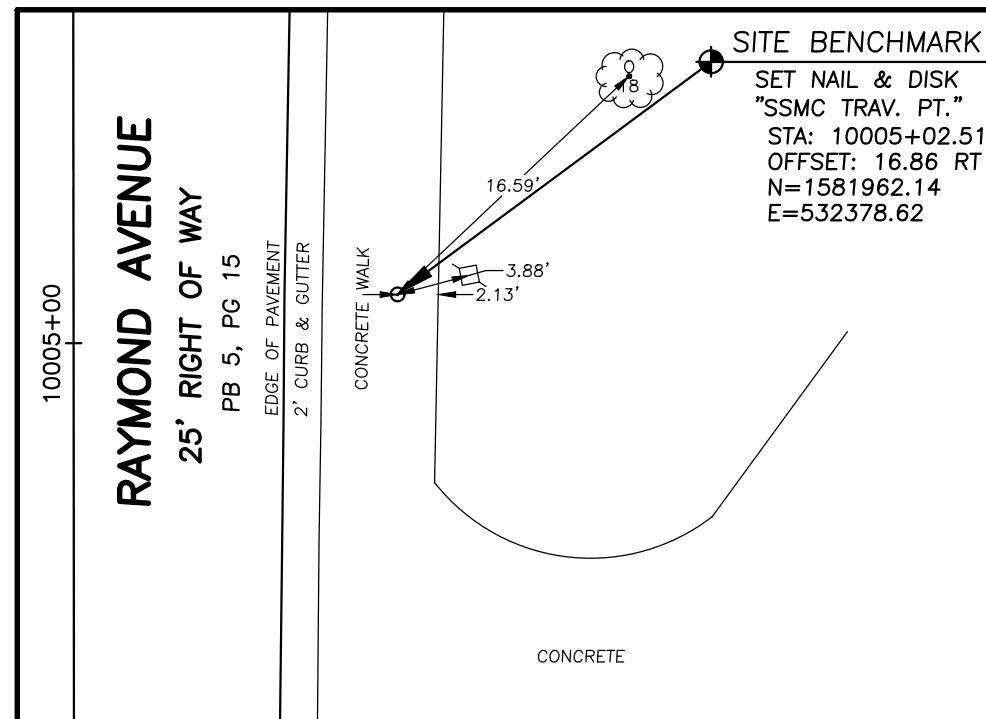
BENCHMARK 7

SEE SHEET 6



BENCHMARK 8

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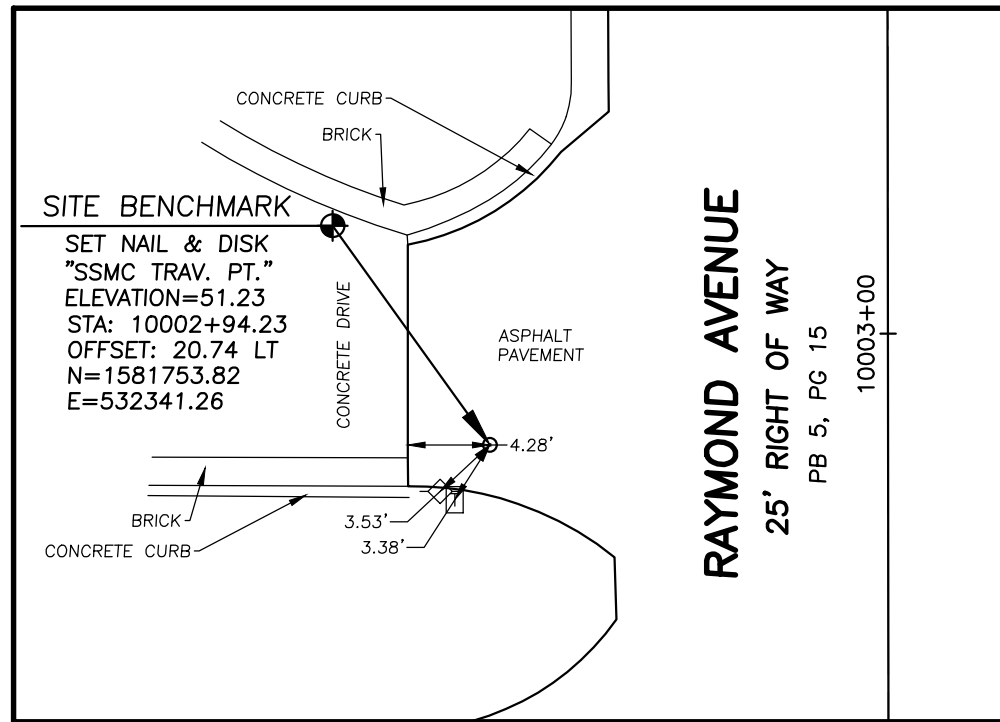
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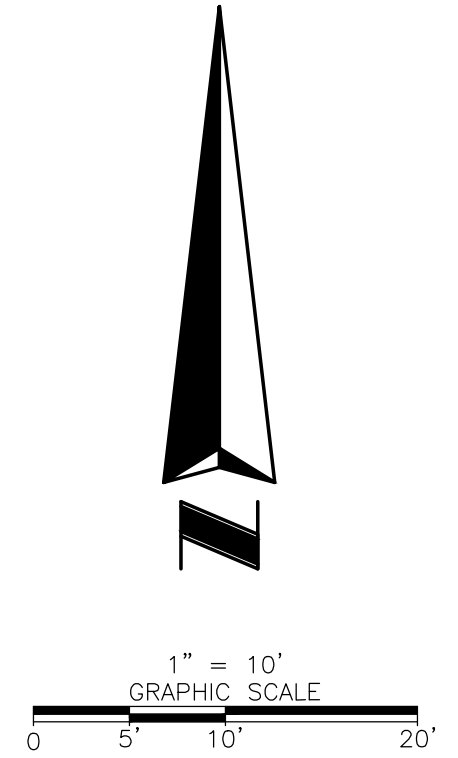
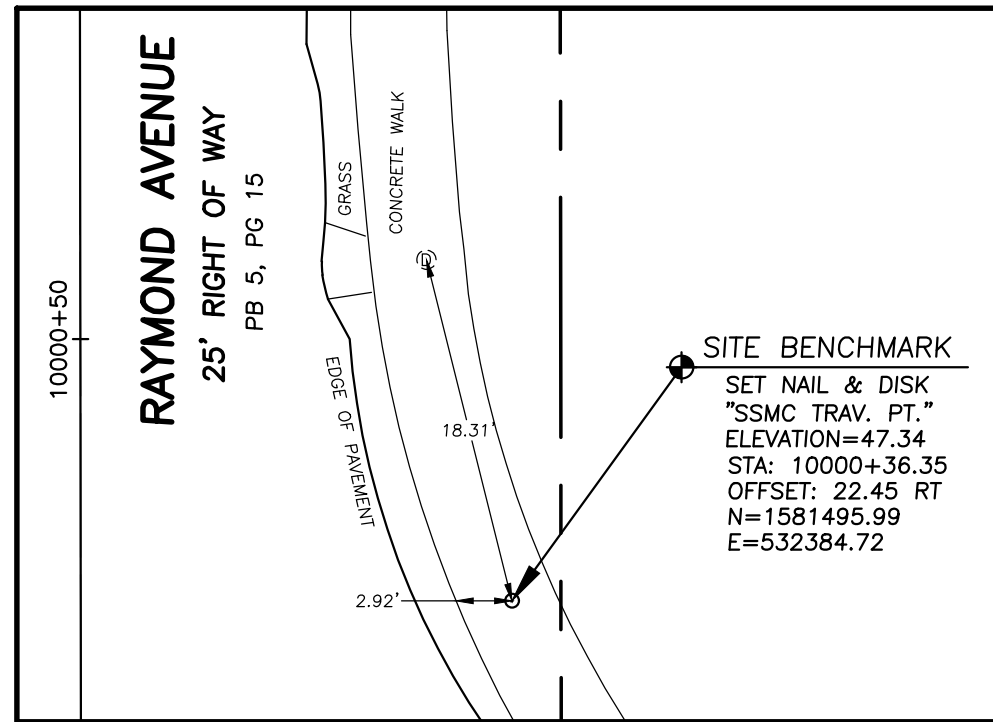
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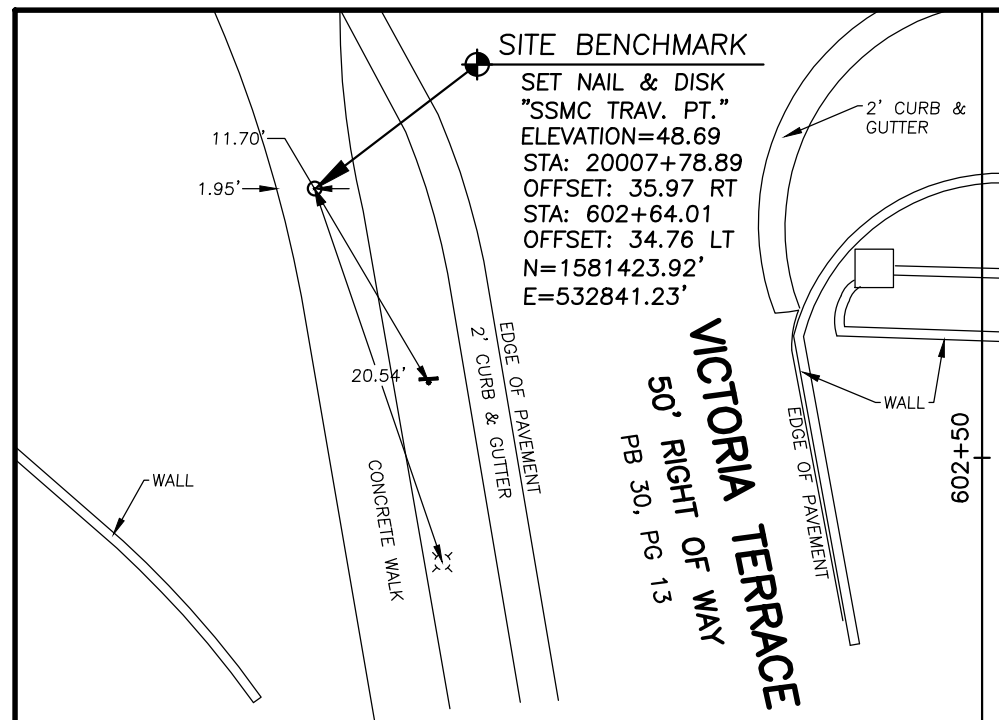
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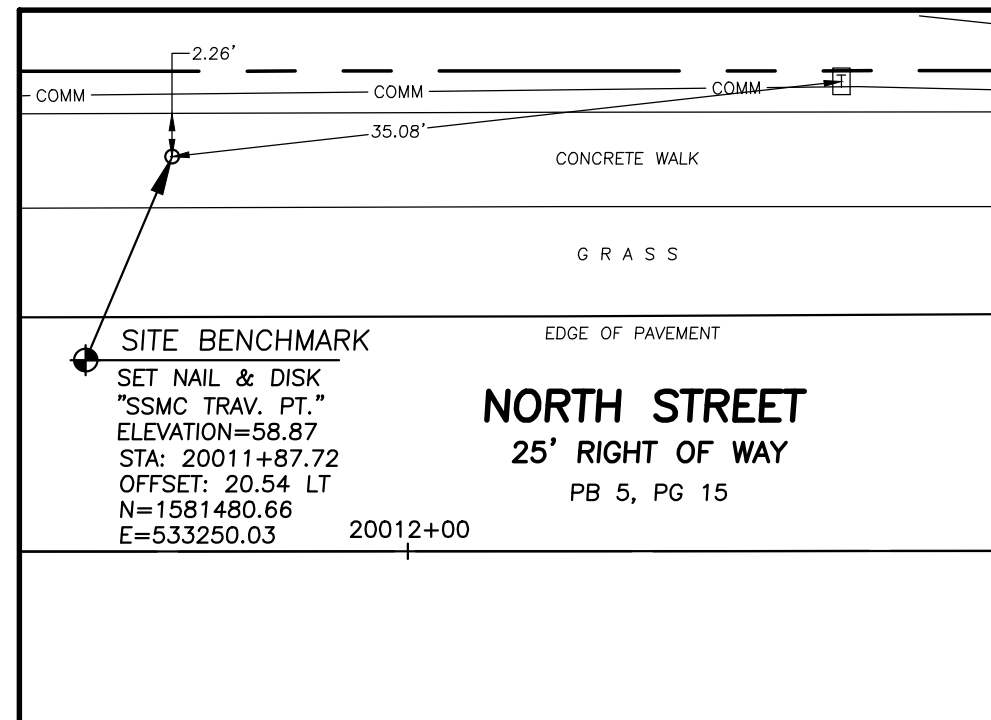
BENCHMARK 11

SEE SHEET 7



BENCHMARK 12

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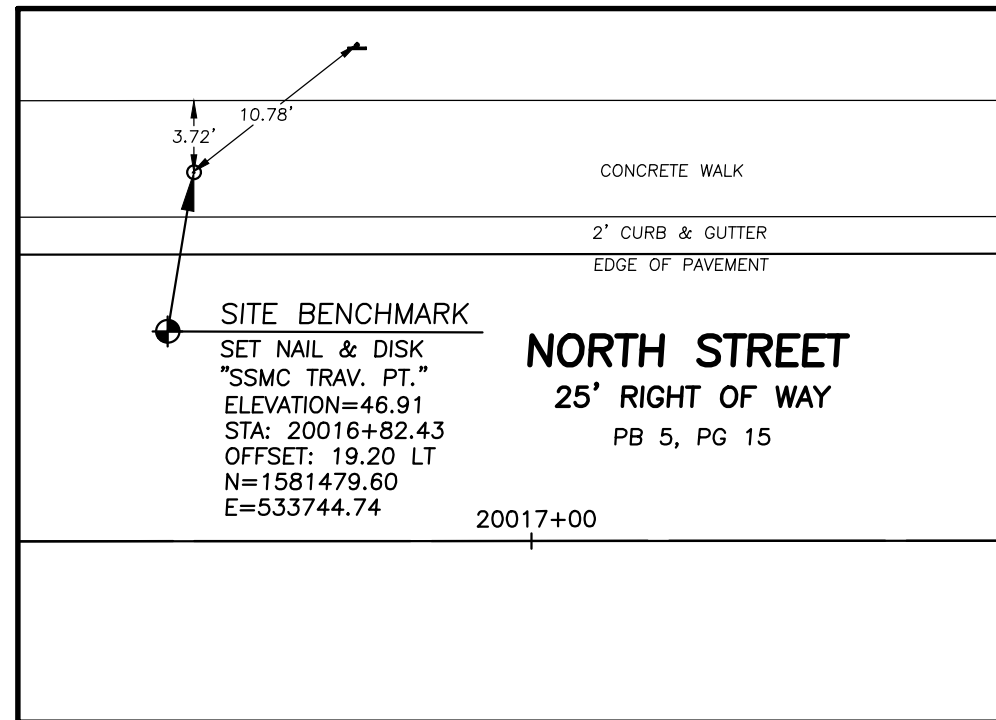
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ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

BENCHMARKS 9-12

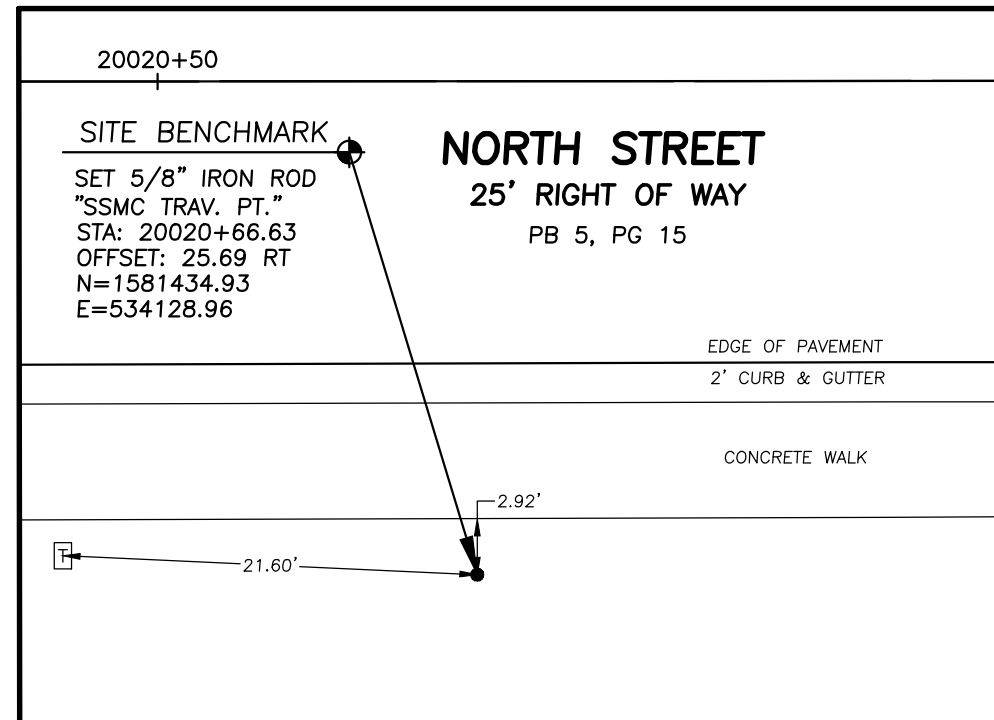
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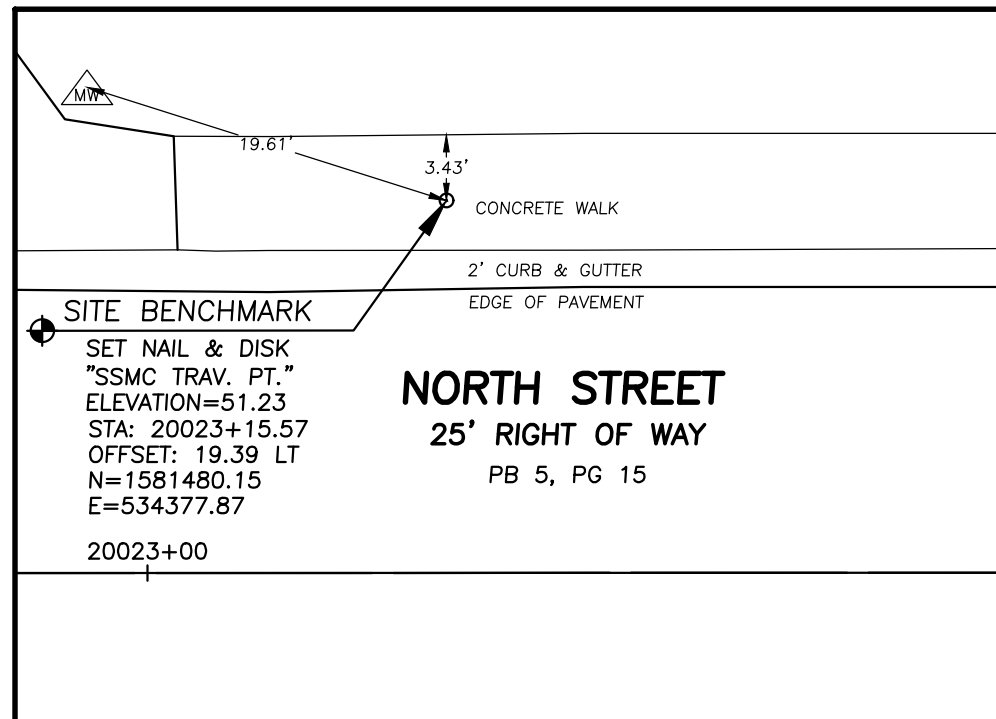
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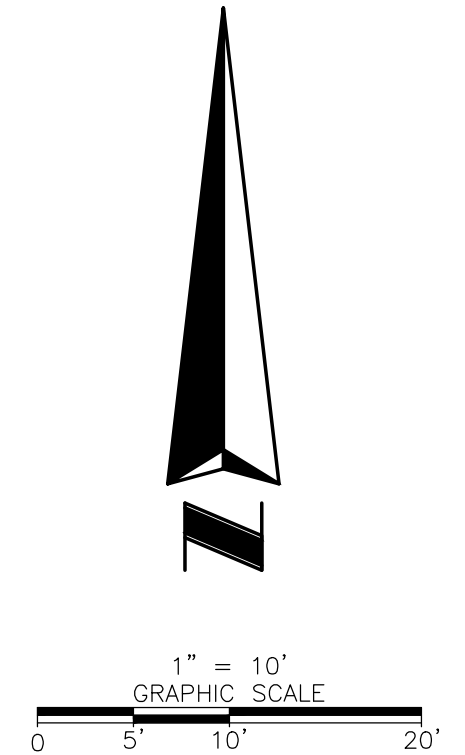
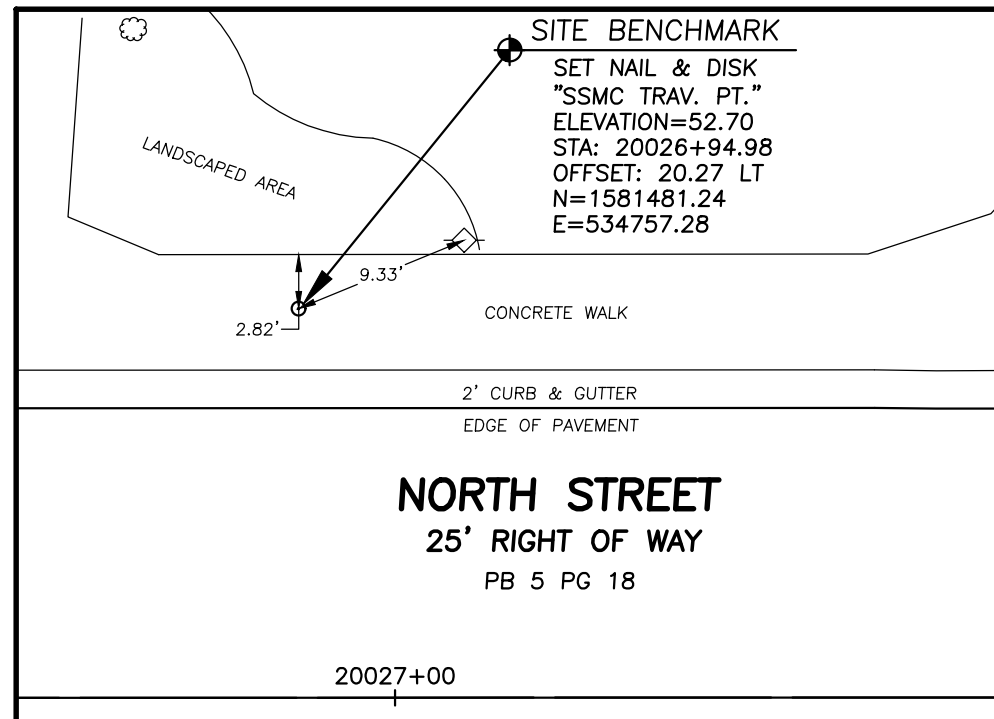
BENCHMARK 14
SEE SHEET 9



BENCHMARK 15
SEE SHEET 9



BENCHMARK 16
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6500 All American Boulevard
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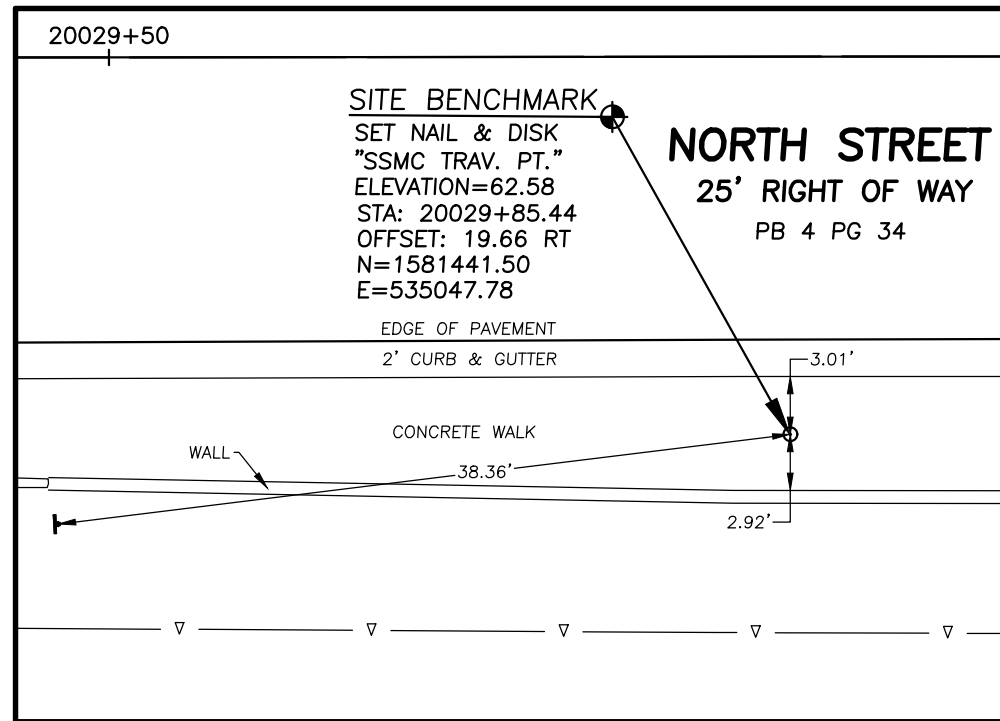
SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
ROAD	COUNTY CIP No.
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BENCHMARKS 13-16

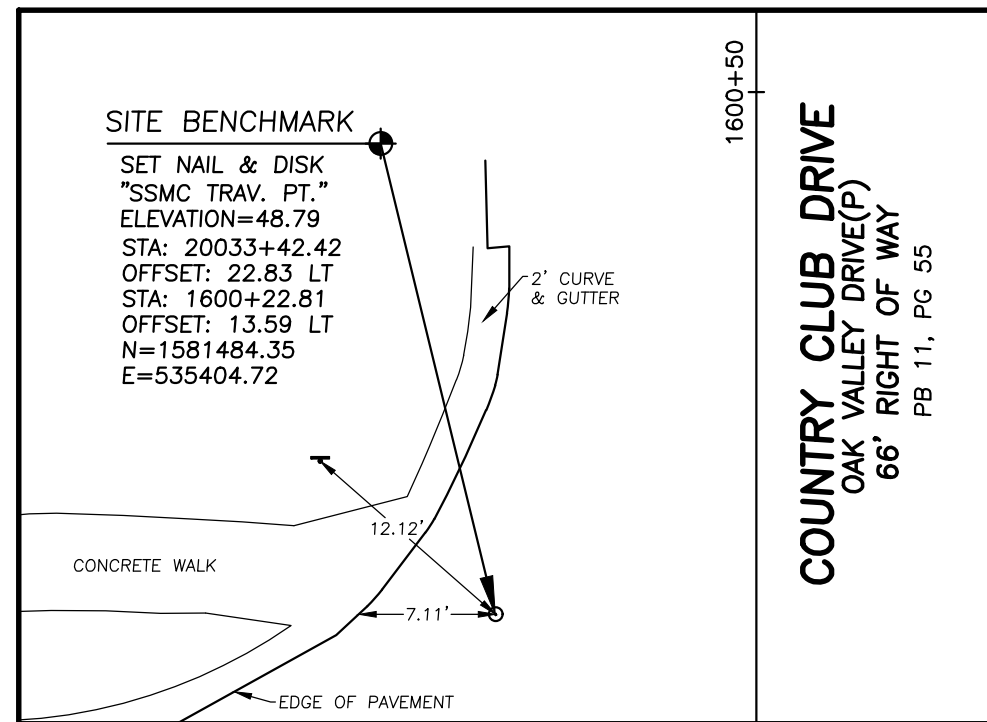
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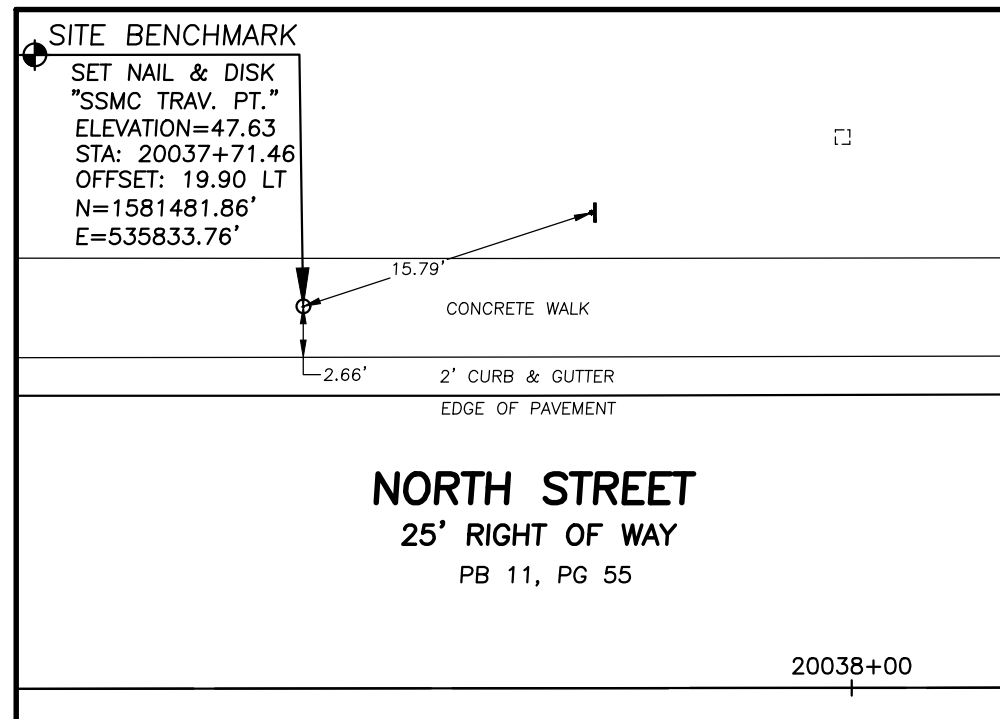
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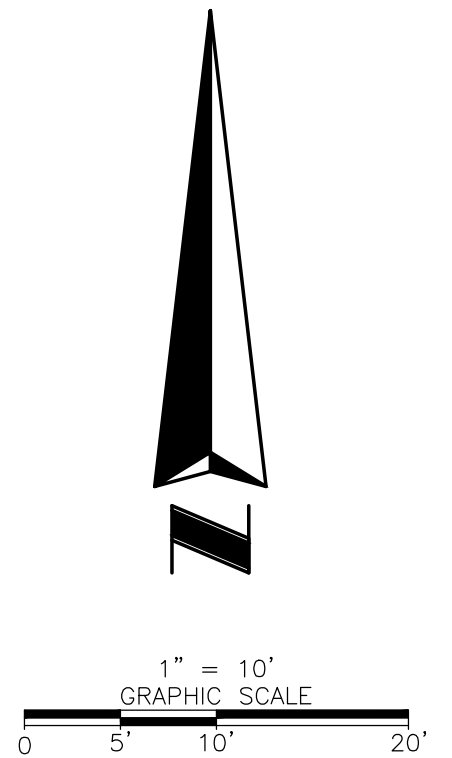
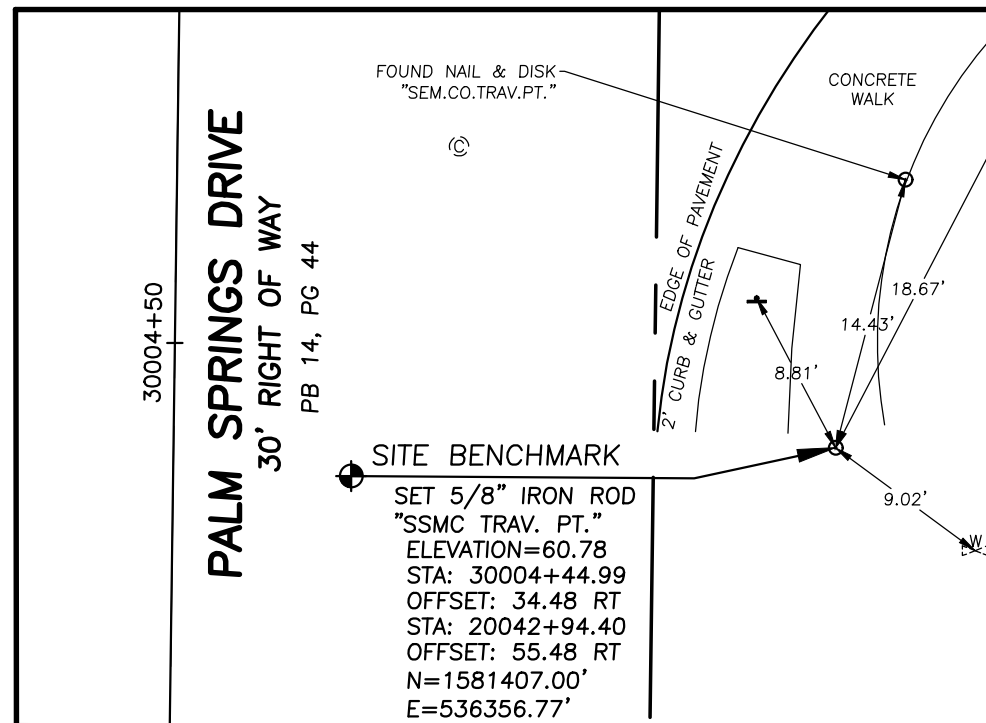
BENCHMARK 18
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BENCHMARK 19
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BENCHMARK 20
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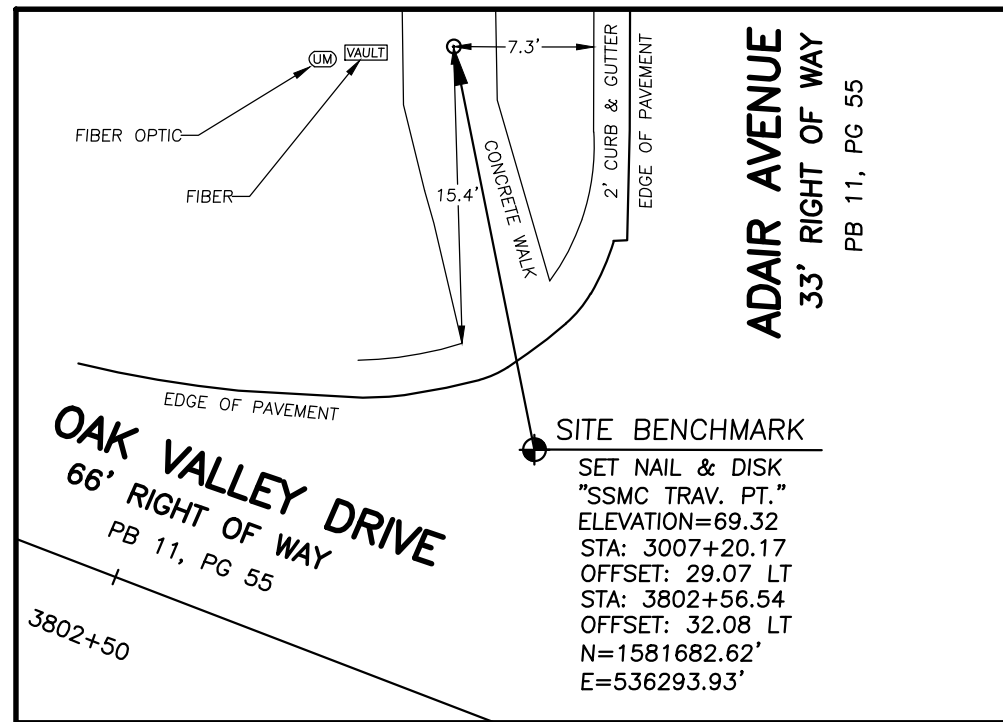
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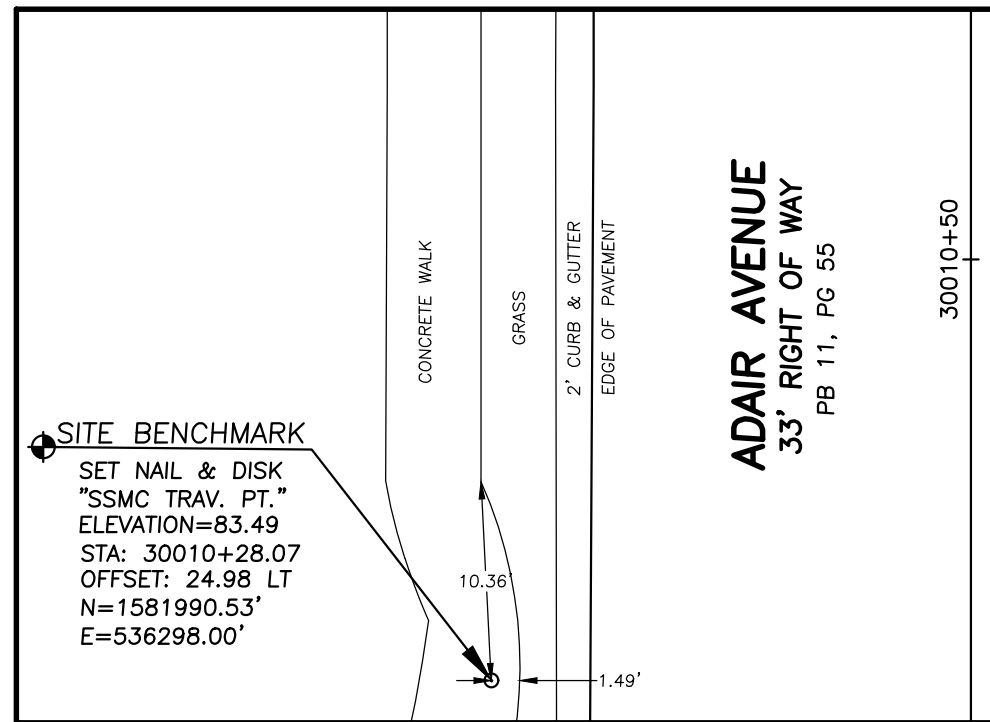
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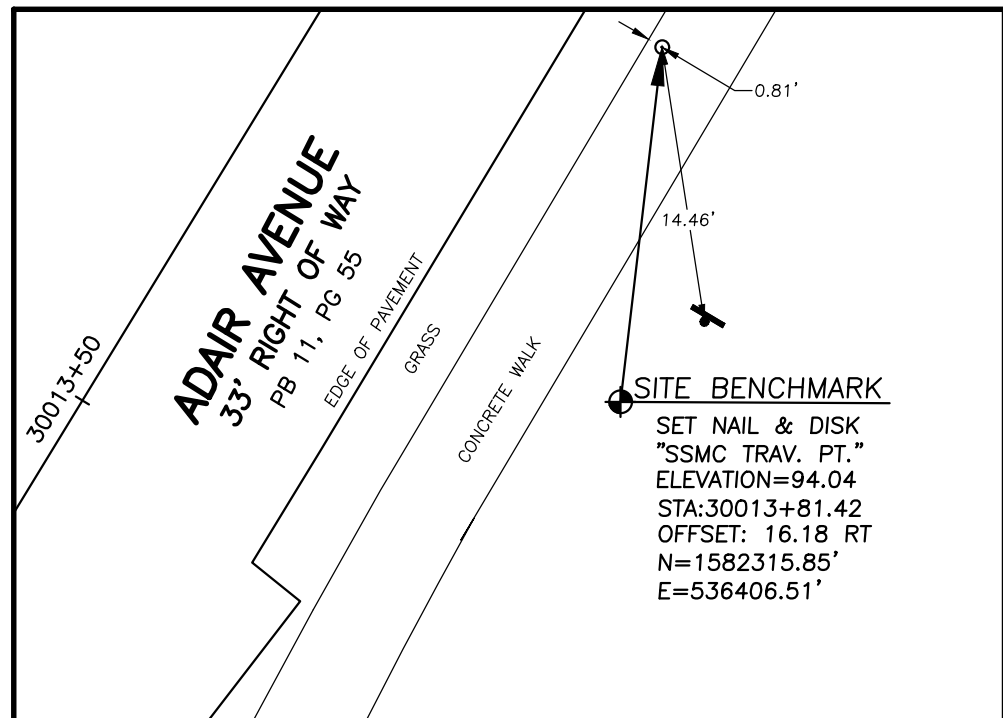
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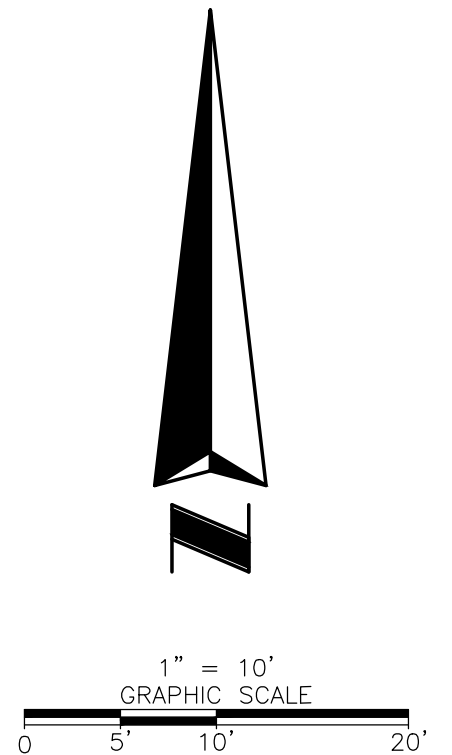
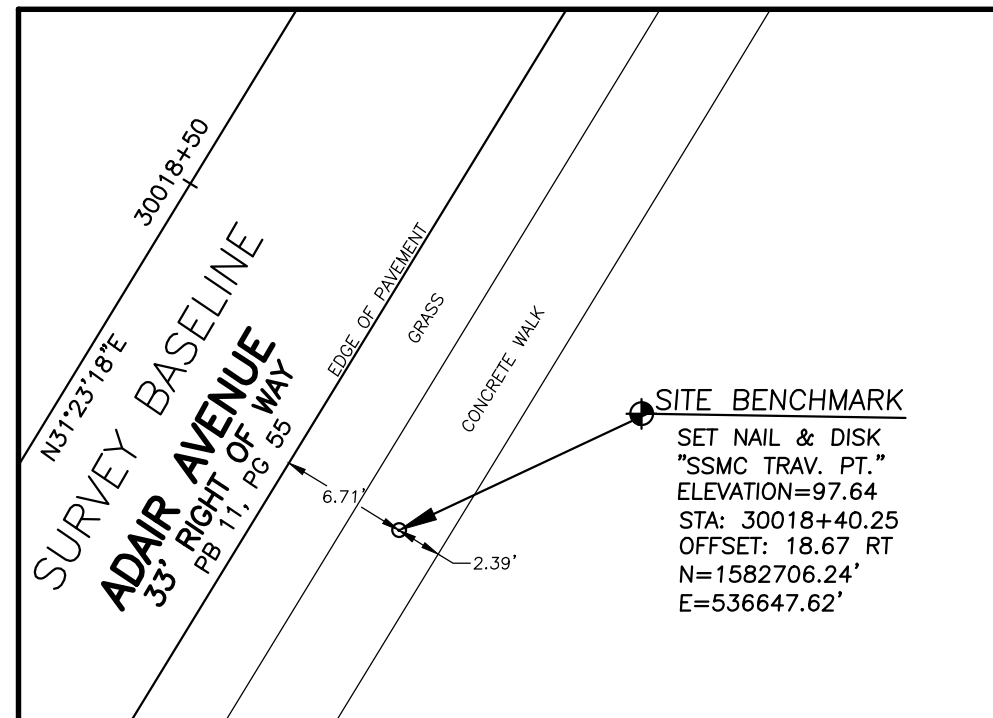
BENCHMARK 23

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BENCHMARK 24

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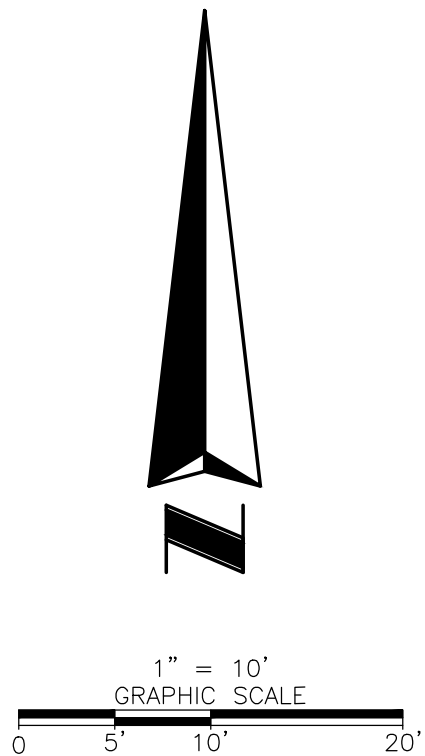
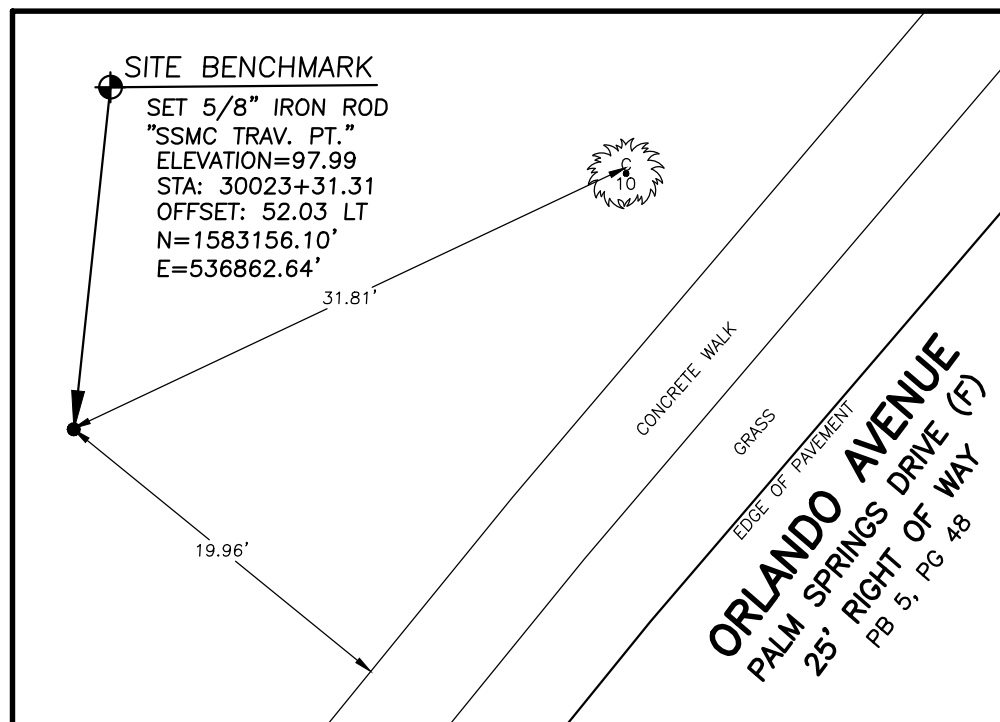
SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

BENCHMARKS 21-24

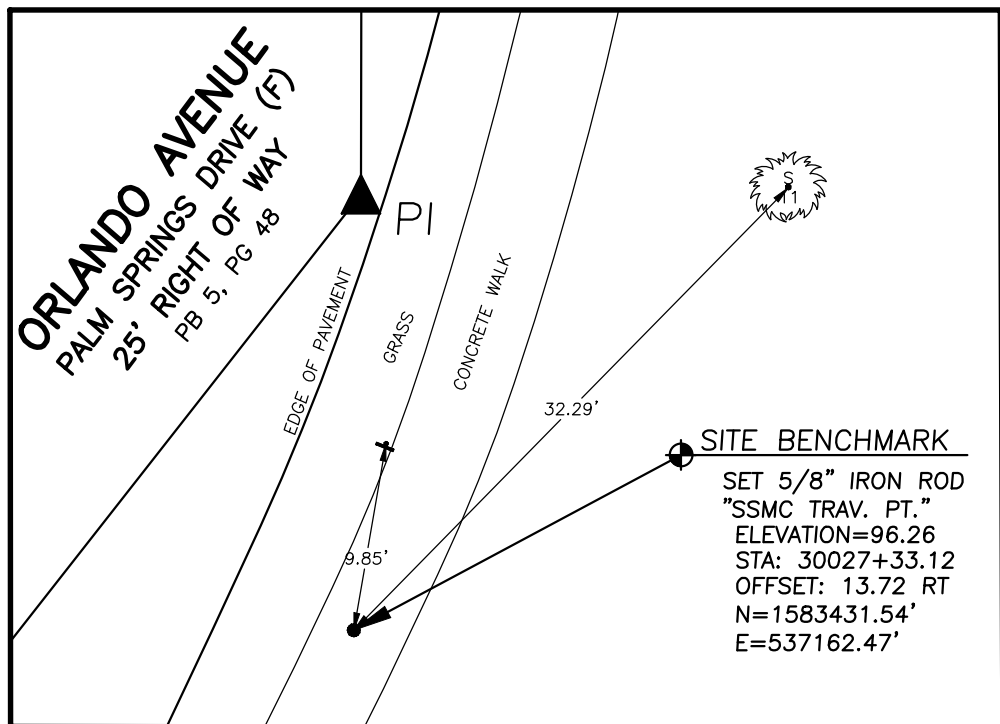
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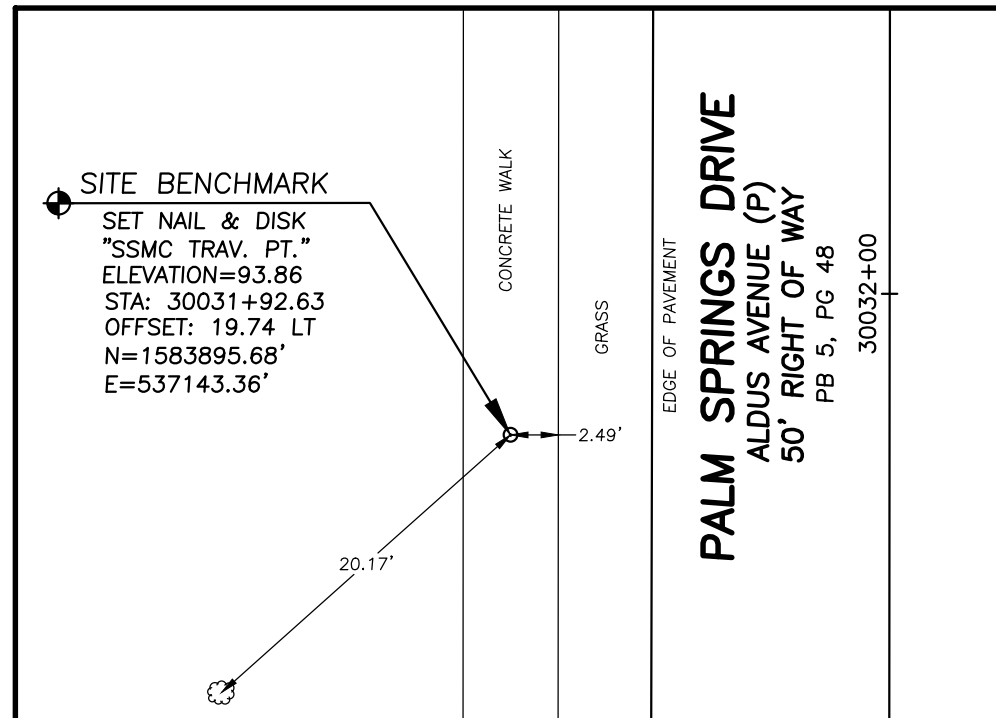
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SEE SHEET 15



BENCHMARK 26
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BENCHMARK 27
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6500 All American Boulevard
Orlando, Florida 32810-4350
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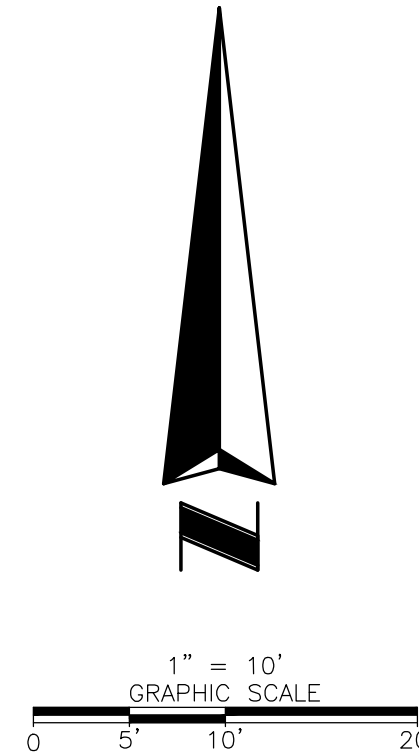
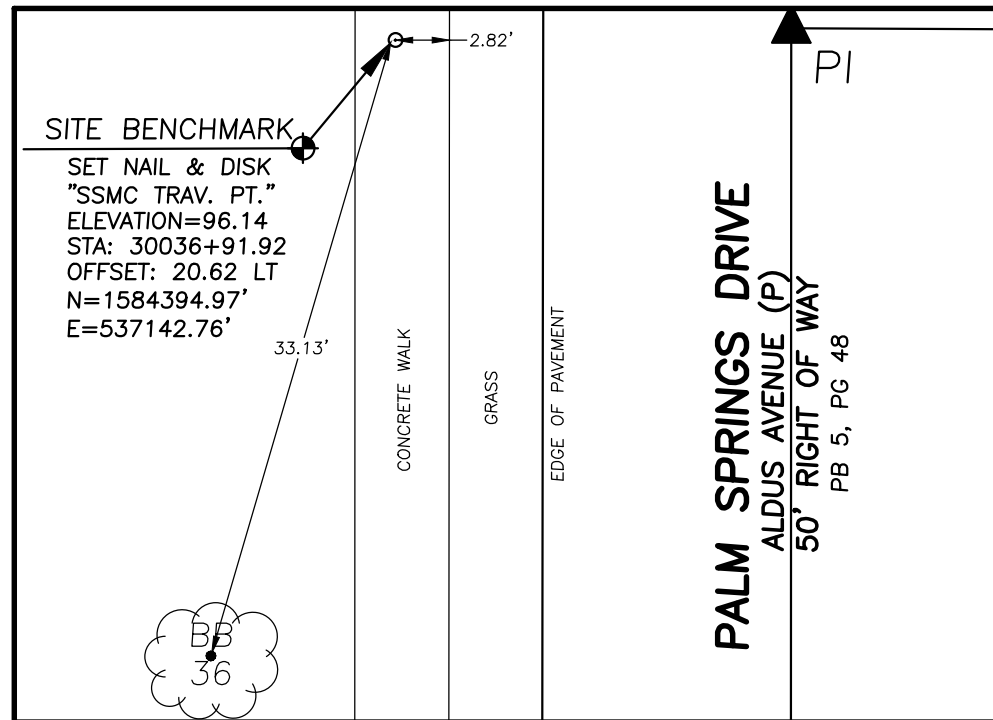
SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

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

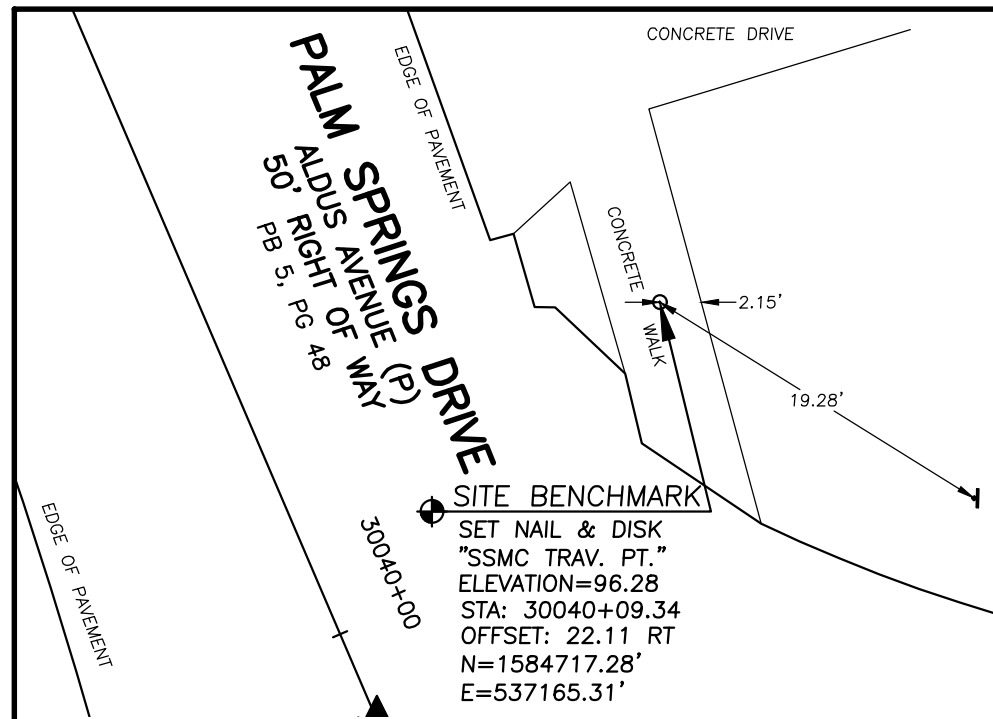
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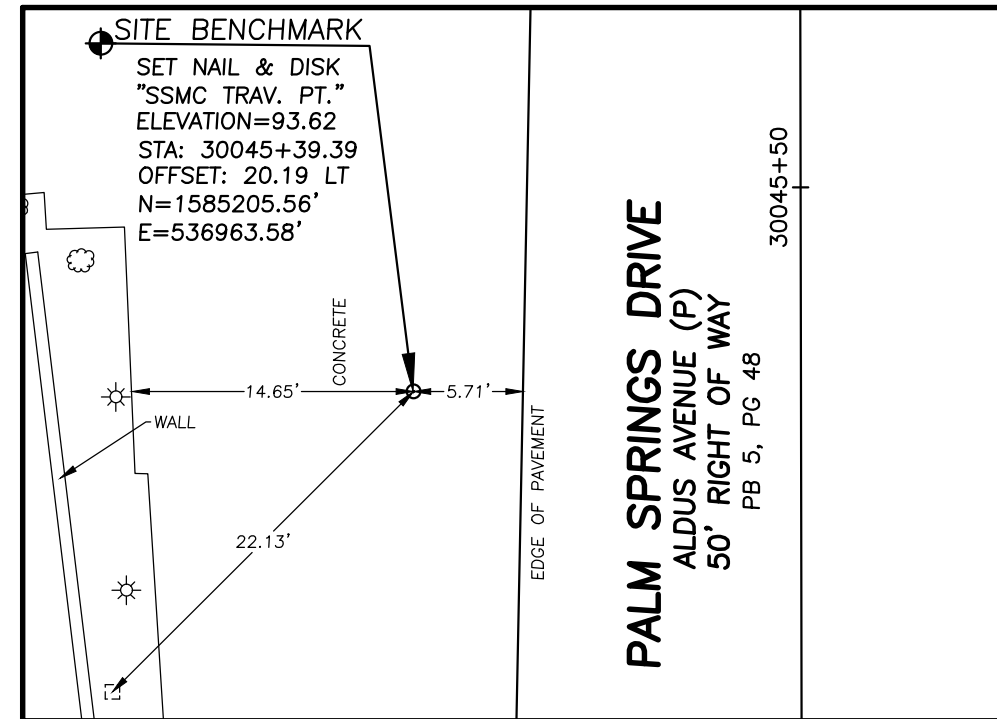
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BENCHMARK 29
SEE SHEET 17



BENCHMARK 30
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 6500 All American Boulevard
 Orlando, Florida 32810-4350
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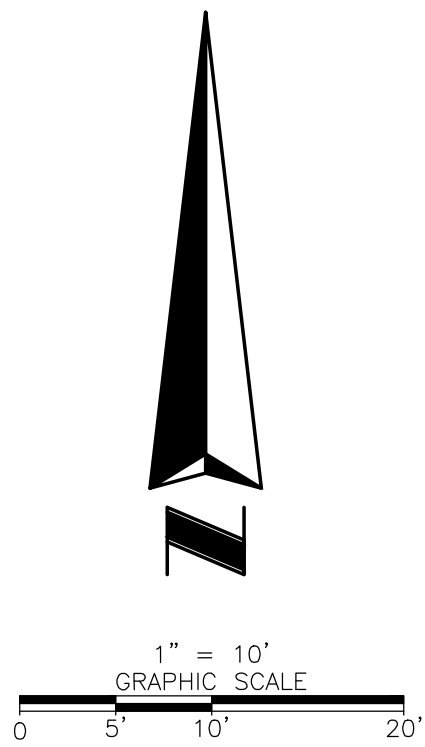
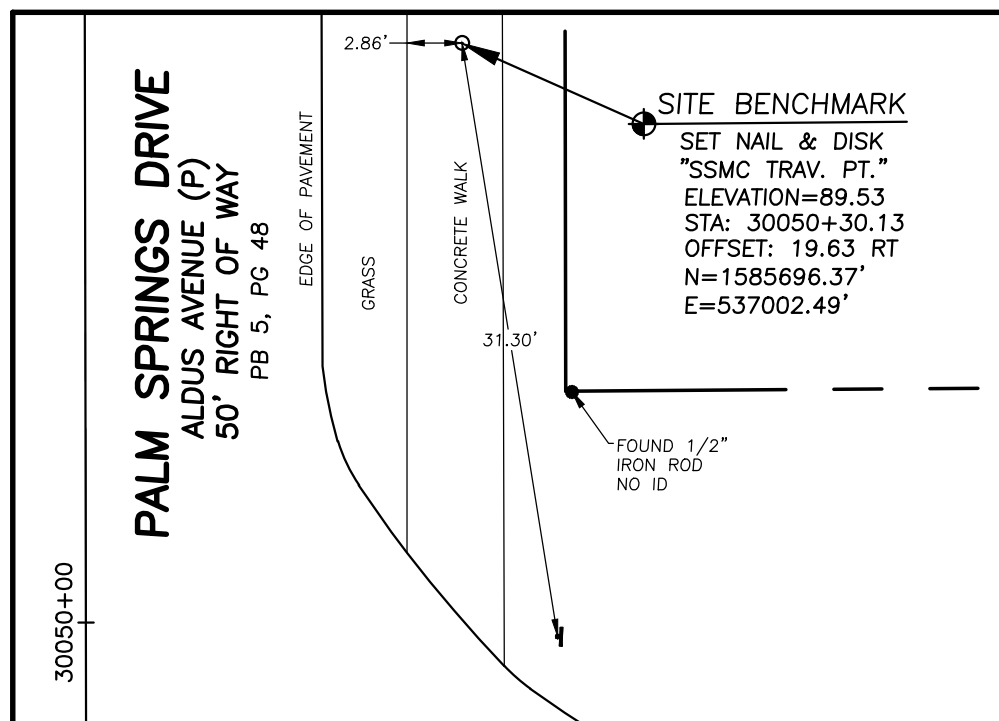
SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
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BENCHMARKS 28-30

SHEET
NO.
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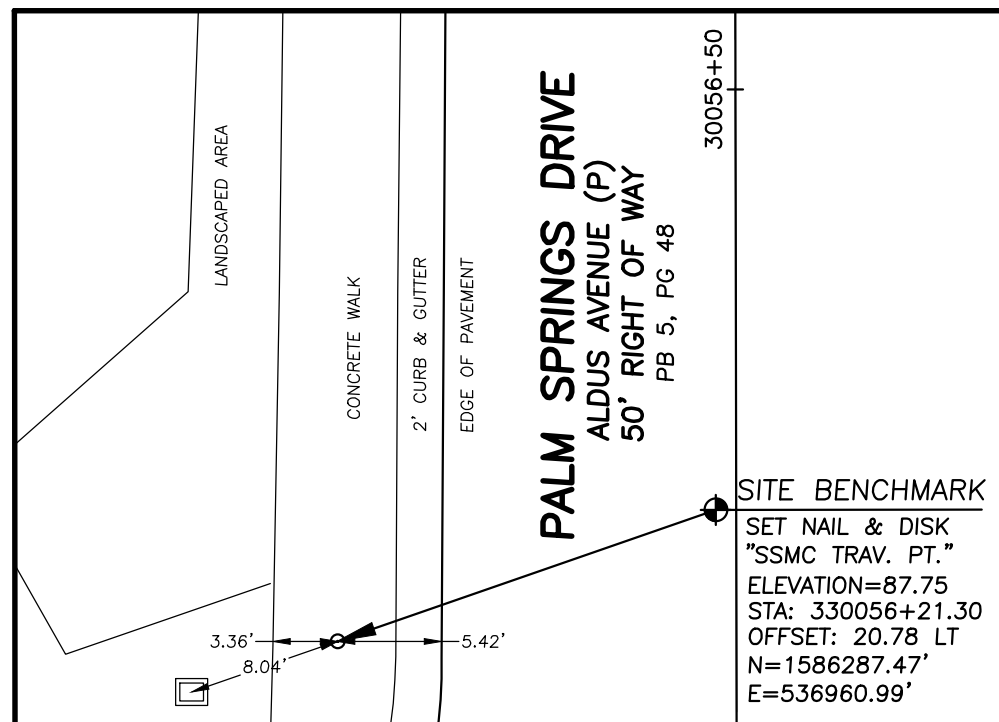
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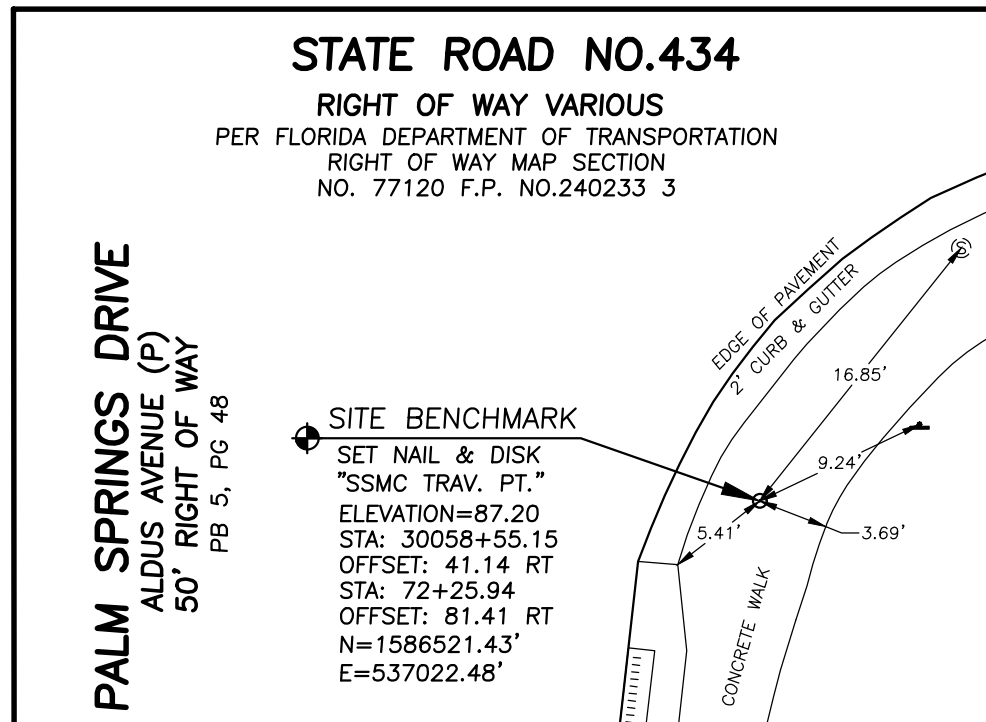
BENCHMARK 32

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BENCHMARK 33

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Registered Land Surveyor
Number 5225
6500 All American Boulevard
Orlando, Florida 32810-4350
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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.

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. SIDEWALK CURB IS PAID FOR UNDER ITEM 0522 2 - CONCRETE SIDEWALKS AND DRIVEWAYS, 6". CONTRACTOR TO DETERMINE METHOD FOR CONSTRUCTION.
3. 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
4. GRATES AT RAISED CROSSWALKS ARE PAID FOR UNDER ITEM 0522 2 - CONCRETE SIDEWALKS AND DRIVEWAYS, 6". CONTRACTOR TO DETERMINE METHOD FOR CONSTRUCTION.

REVISIONS				MARK W. SUAREZ, P.E. LICENSE NO. 76977 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.		43
					RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084		

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: DEFDISTRIBUTIONGOV@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
ED TORRES
(407) 571 - 8337
ETORRES@ALTAMONTE.ORG


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

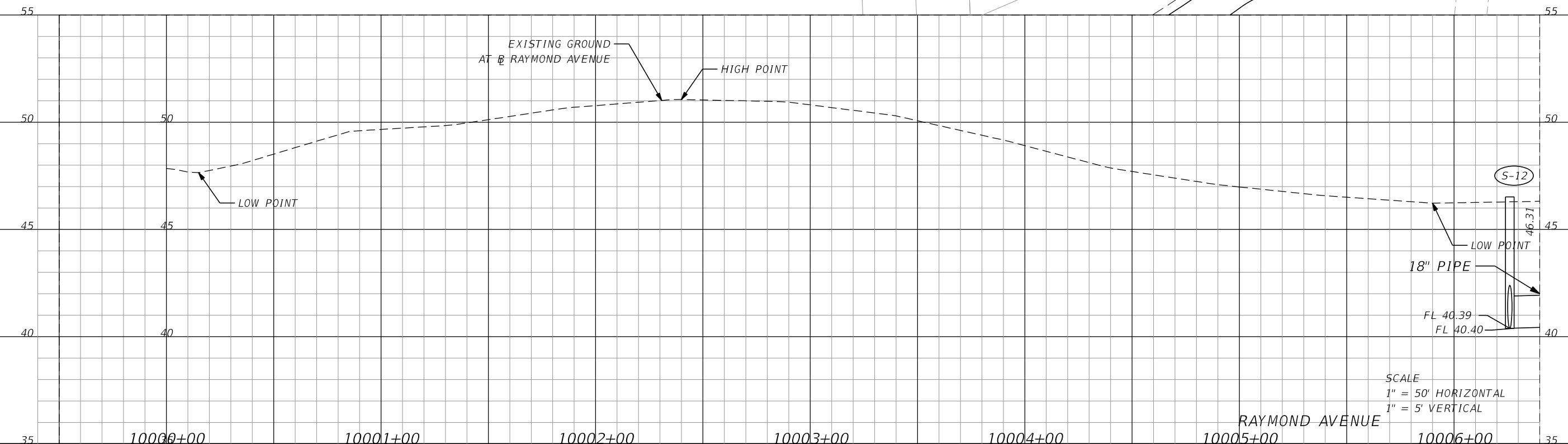
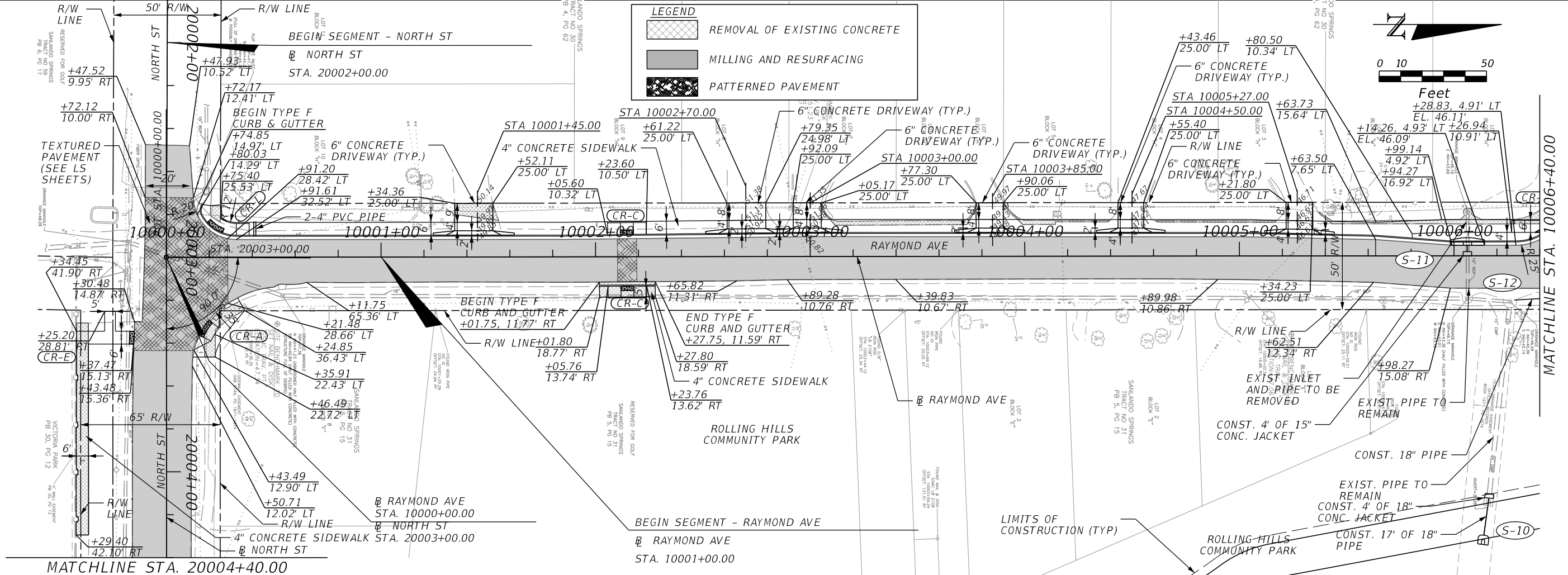
CITY OF LONGWOOD
SHAD SMITH
(407) 263 - 2378
SSMITH@LONGWOODFL.ORG

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				 MARK W. SUAREZ, P.E. LICENSE NO. 76977 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. 44
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084		



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

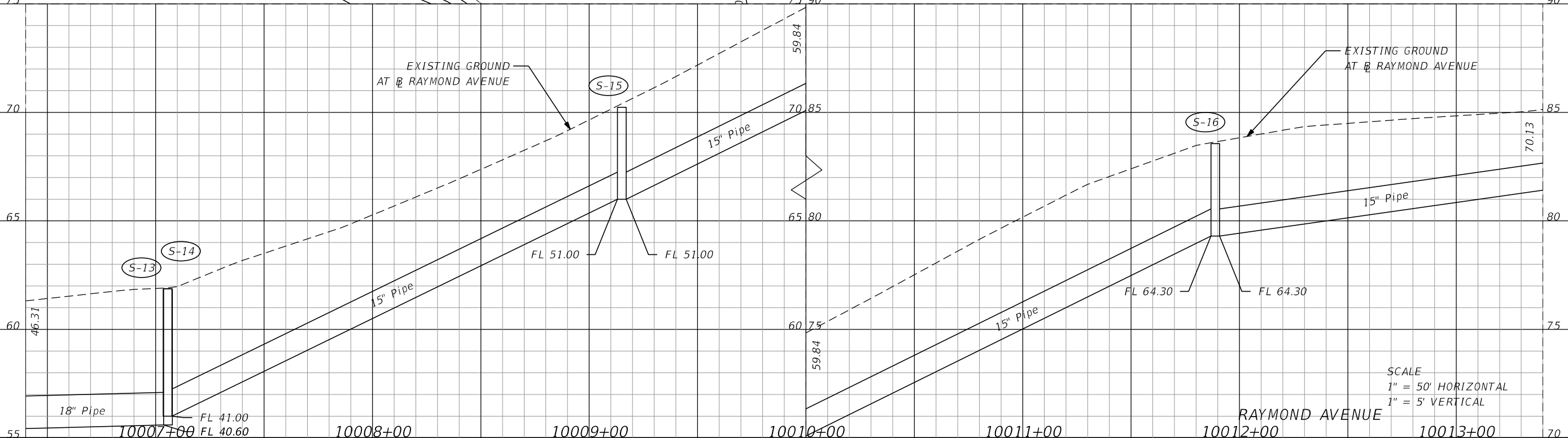
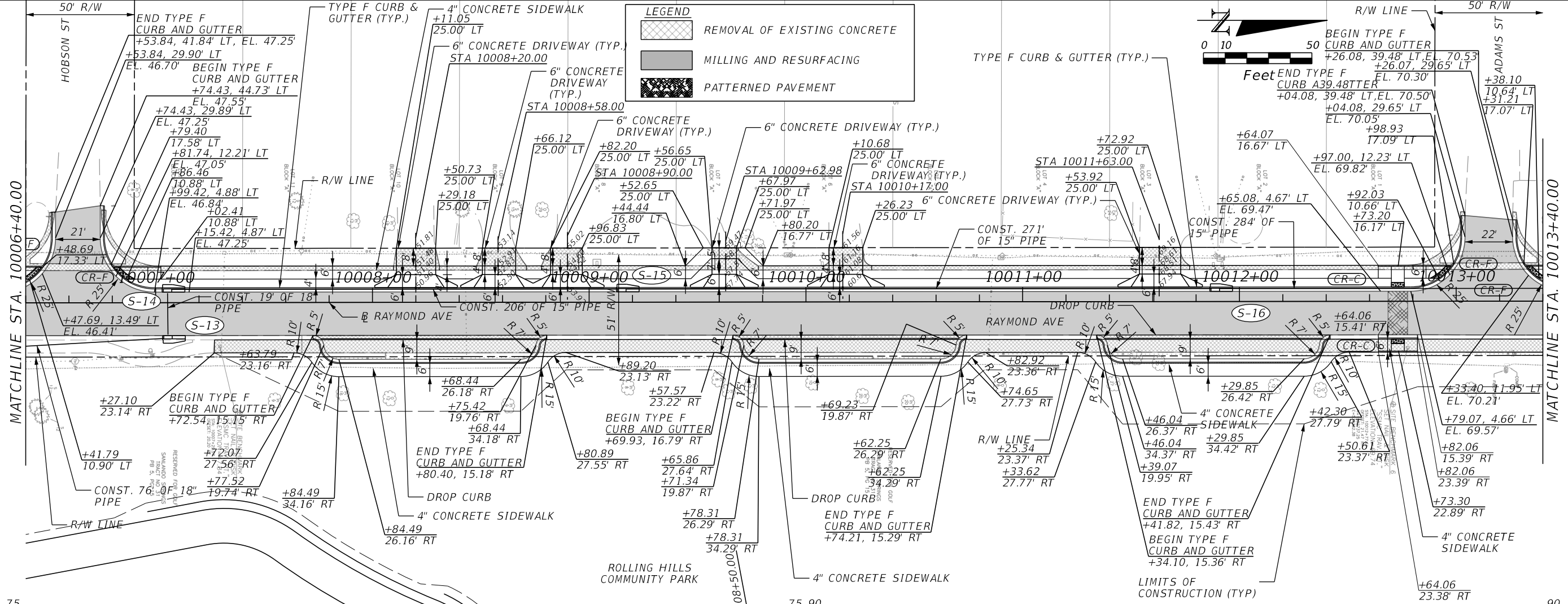
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

RAYMOND AVENUE

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

PLAN-PROFILE SHEET (1)

SHEET NO.
45



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

RAYMOND AVENUE

PLAN-PROFILE SHEET (2)

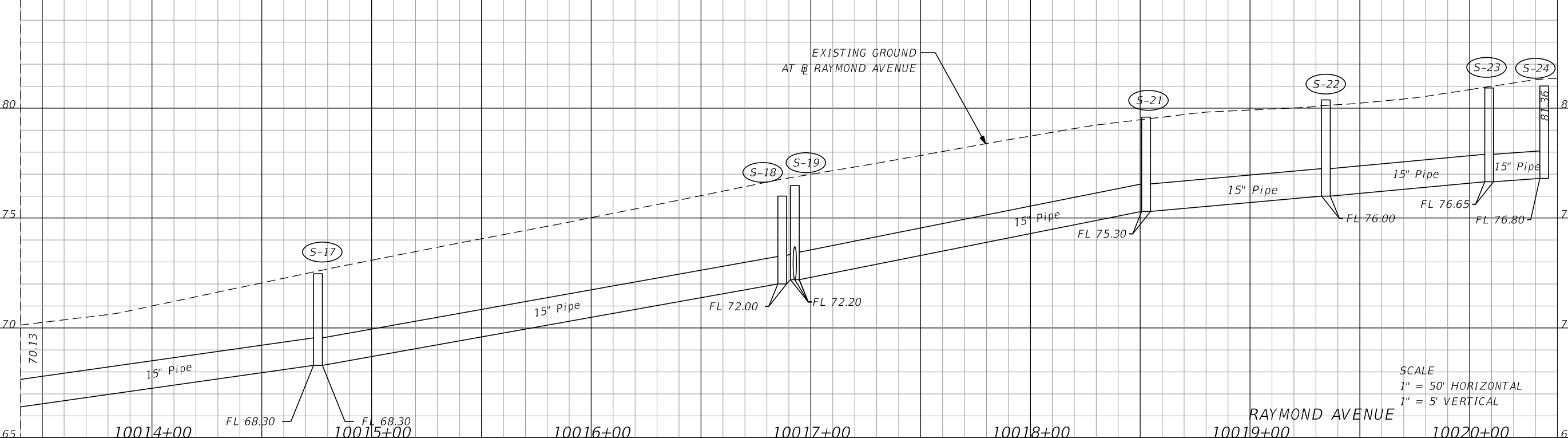
SHEET NO.
46

MATCHLINE STA. 10013+40.00

MATCHLINE STA. 10020+40.00

85

85



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

LEGEND

	REMOVAL OF EXISTING CONCRETE
	MILLING AND RESURFACING
	PATTERNED PAVEMENT
	WIDENING

END TYPE F CURB AND GUTTER
 +71.36, 15.46' RT

LIMITS OF CONSTRUCTION (TYP.)

SEE INTERSECTION DETAIL SHEETS

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

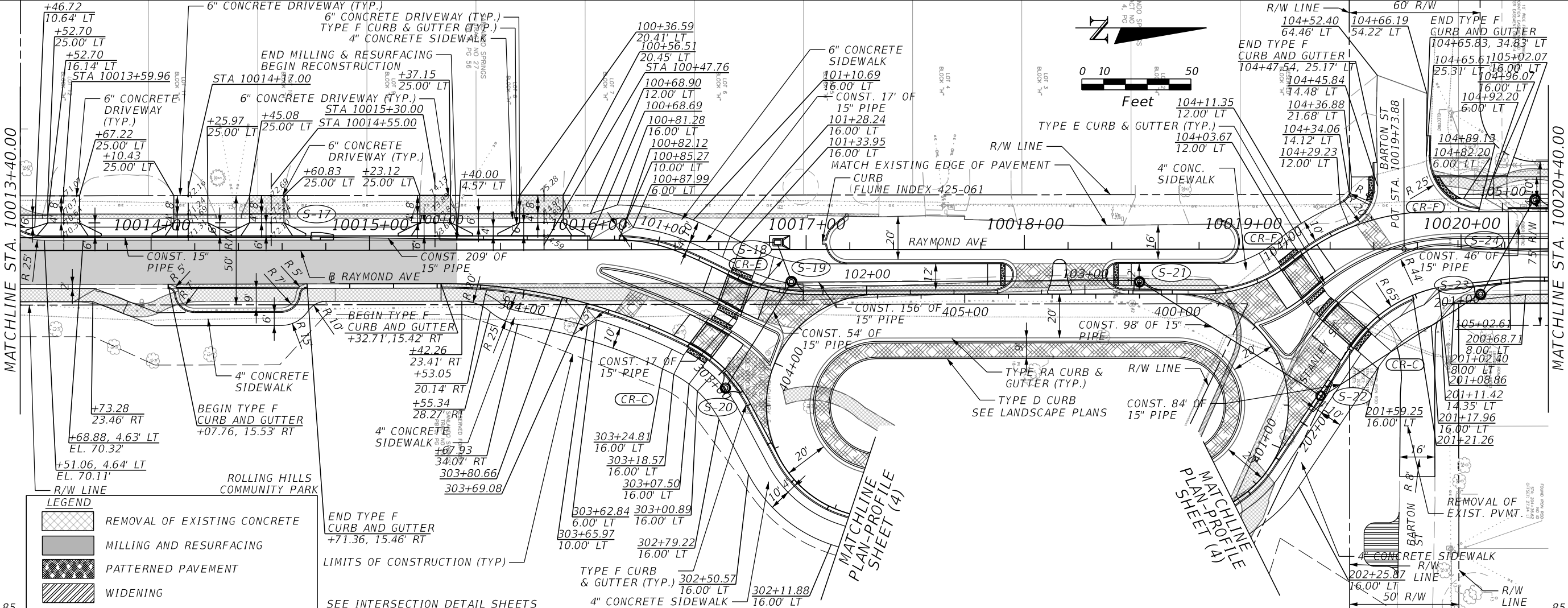
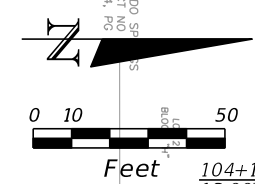


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

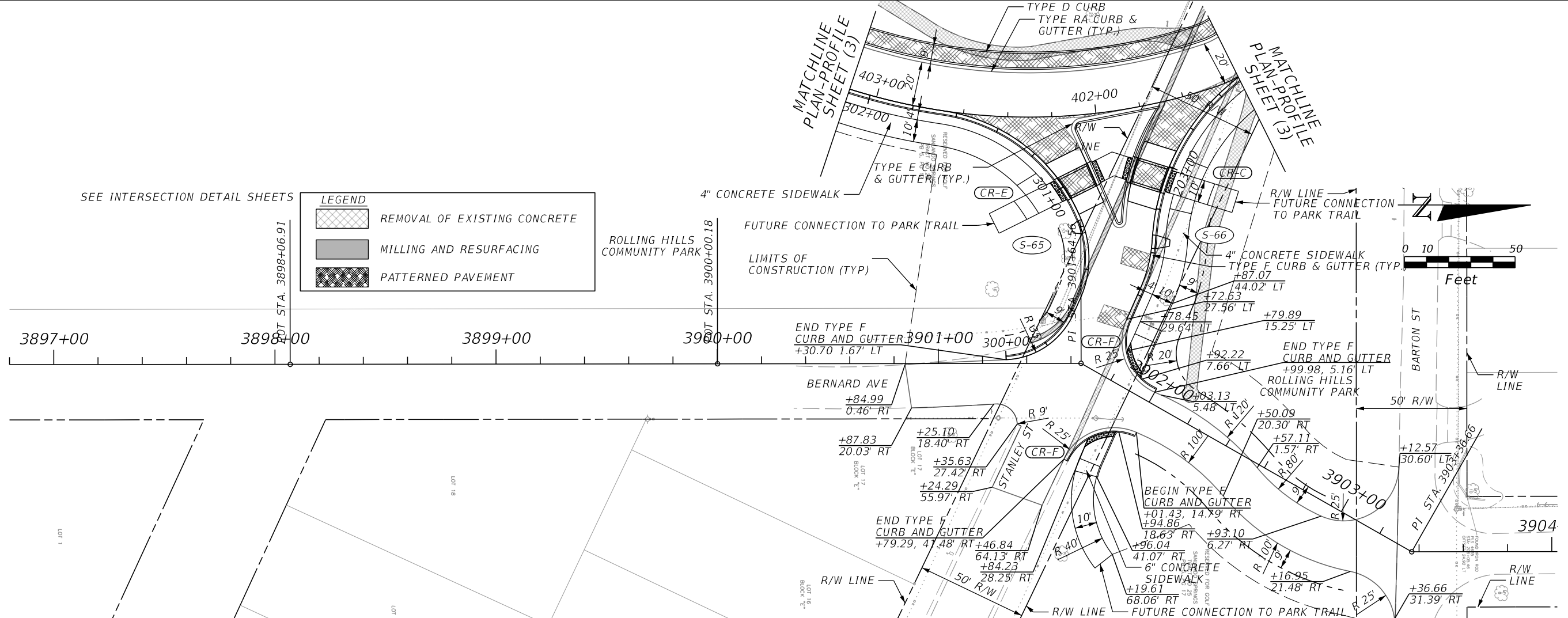
PLAN-PROFILE SHEET (3)

SHEET NO.
47



SEE INTERSECTION DETAIL SHEETS

LEGEND	
	REMOVAL OF EXISTING CONCRETE
	MILLING AND RESURFACING
	PATTERNED PAVEMENT



NO PROFILE THIS SHEET

BERNARD AVENUE AND STANLEY STREET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



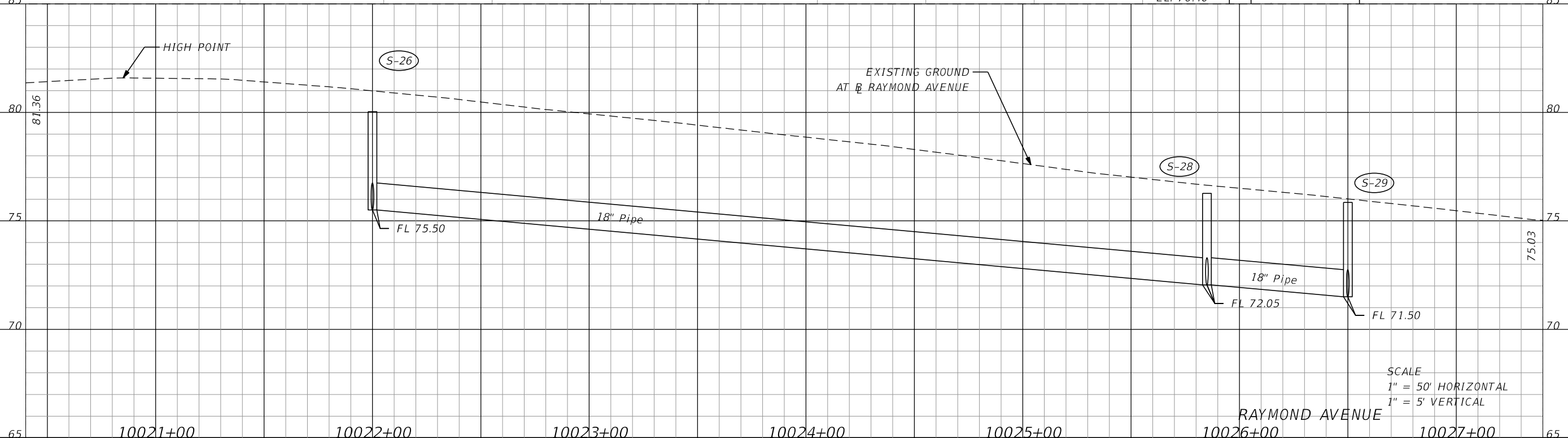
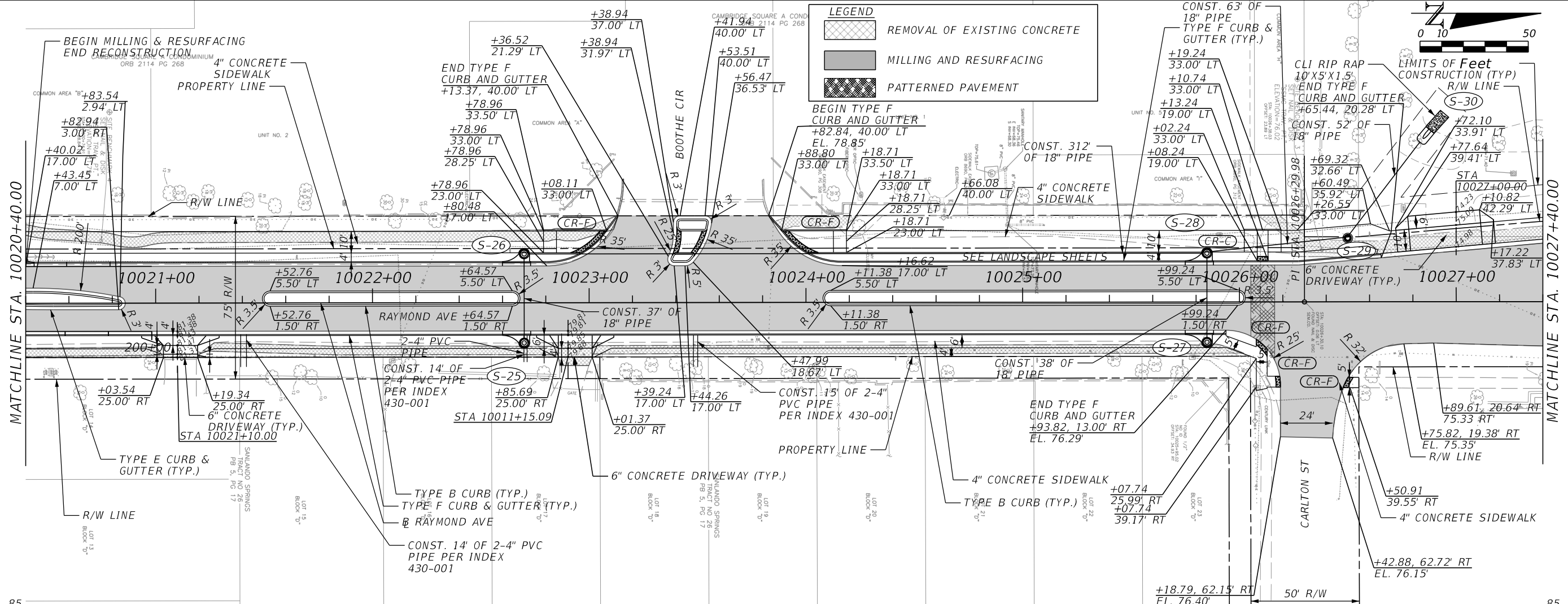
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

PLAN-PROFILE SHEET (4)

SHEET NO.

48



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

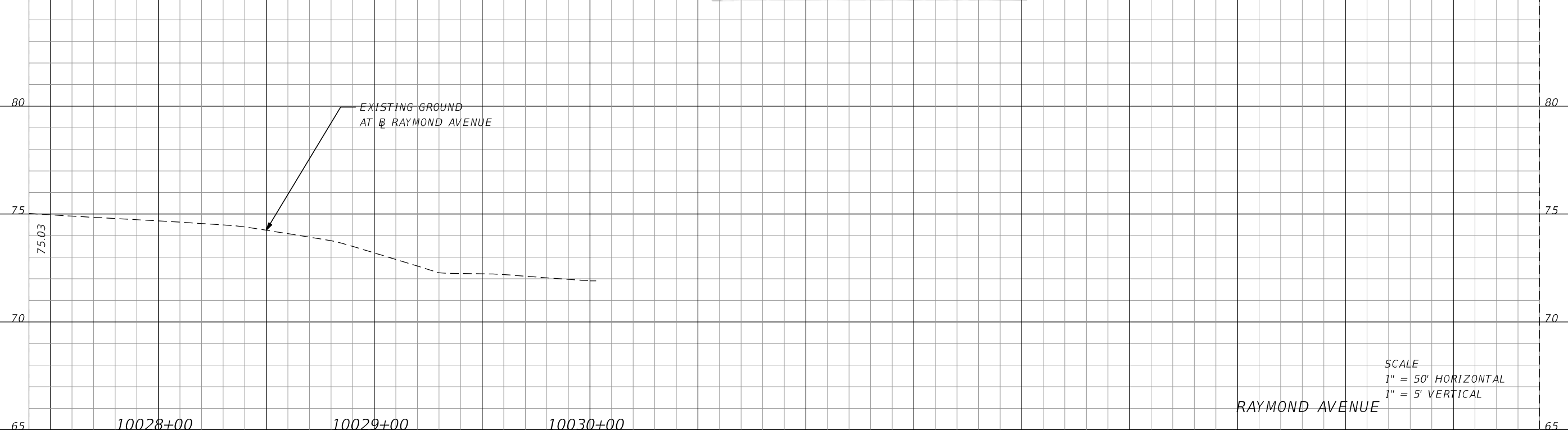
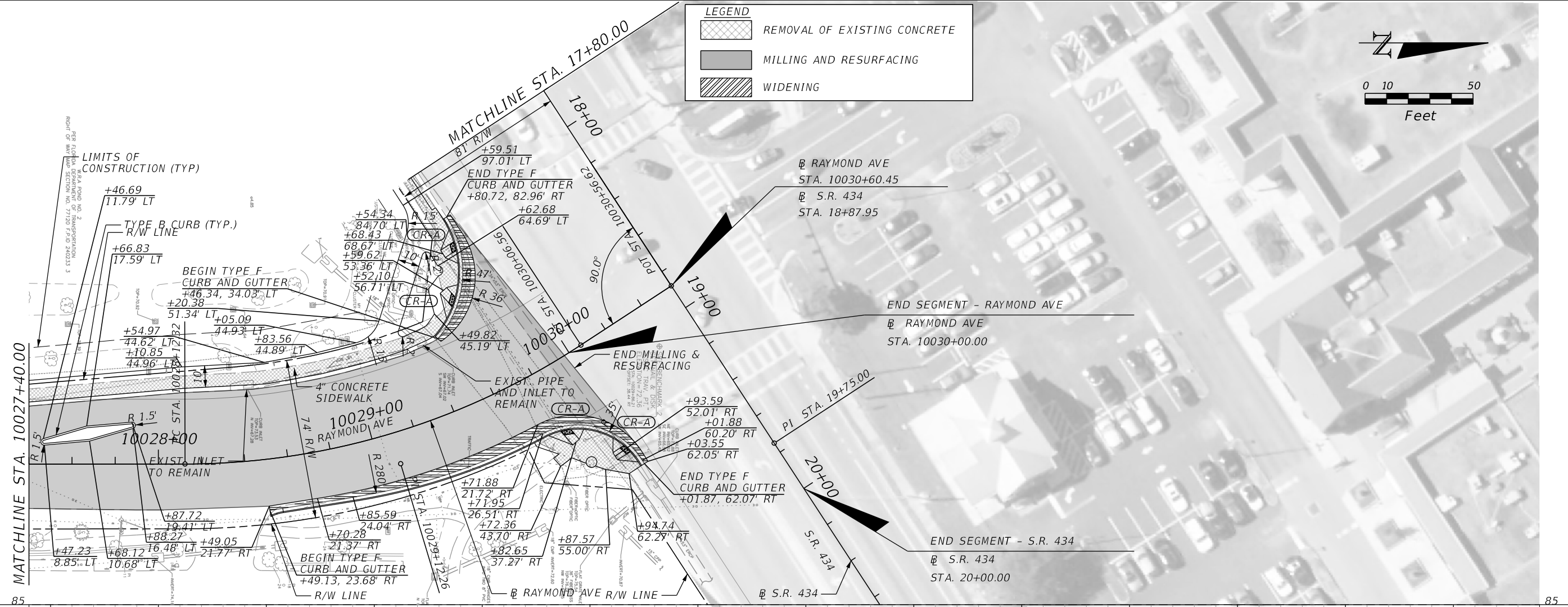
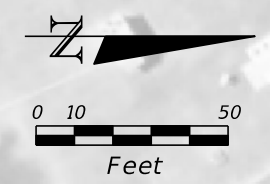
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

PLAN-PROFILE SHEET (5)

SHEET NO.
 49

LEGEND

-  REMOVAL OF EXISTING CONCRETE
-  MILLING AND RESURFACING
-  WIDENING



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

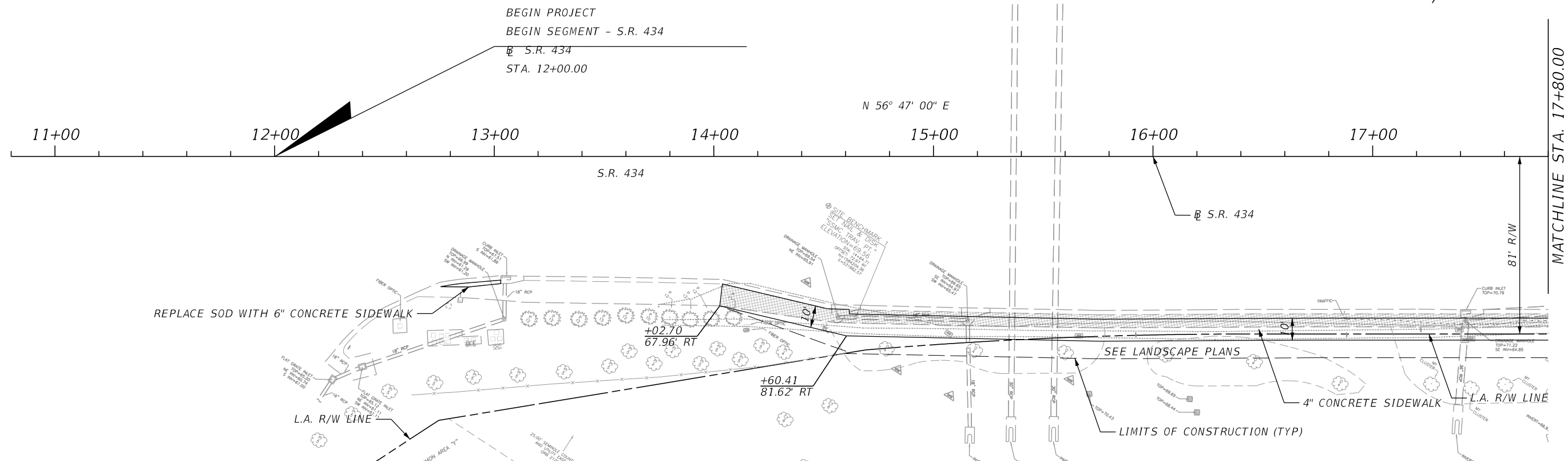
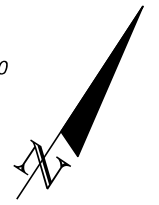
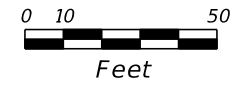
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

RAYMOND AVENUE

PLAN-PROFILE SHEET (6)

SHEET NO.
50

LEGEND	
	REMOVAL OF EXISTING CONCRETE
	MILLING AND RESURFACING
	PATTERNED PAVEMENT



NO PROFILE THIS SHEET

SR 434

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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 (7)

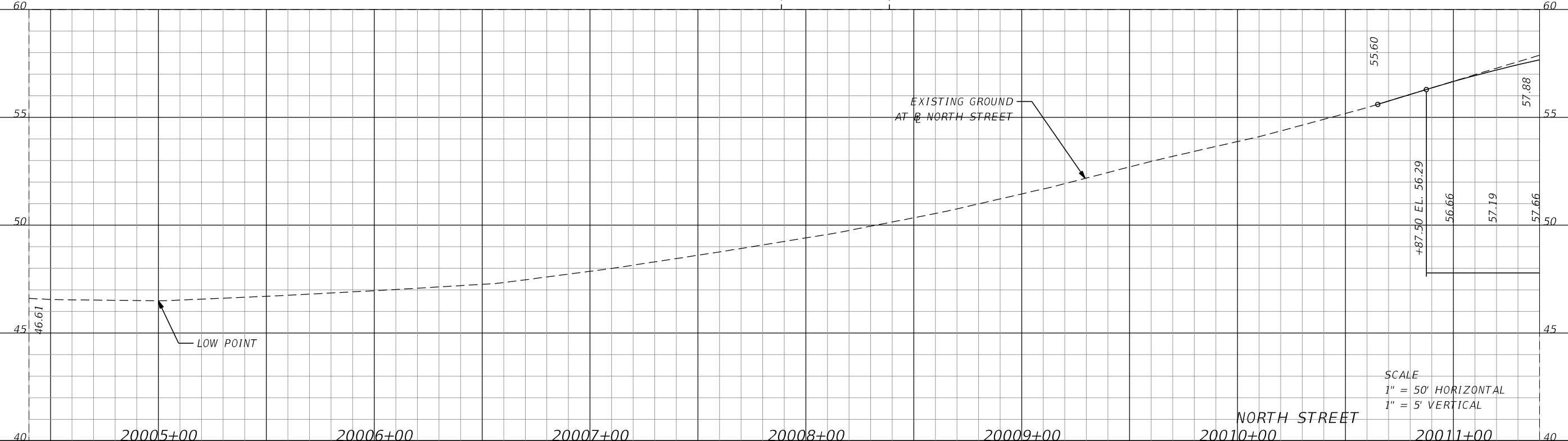
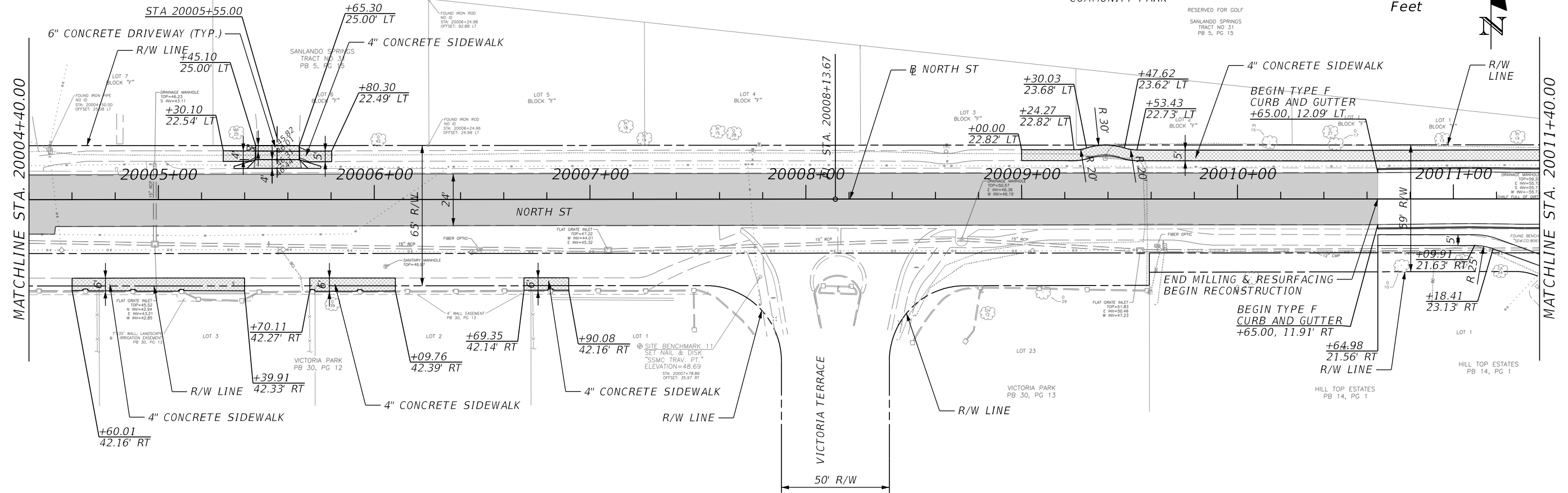
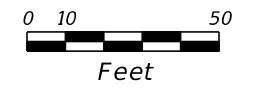
SHEET NO.
 51

STA. 4000+00.00

LEGEND

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

ROLLING HILLS COMMUNITY PARK



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
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

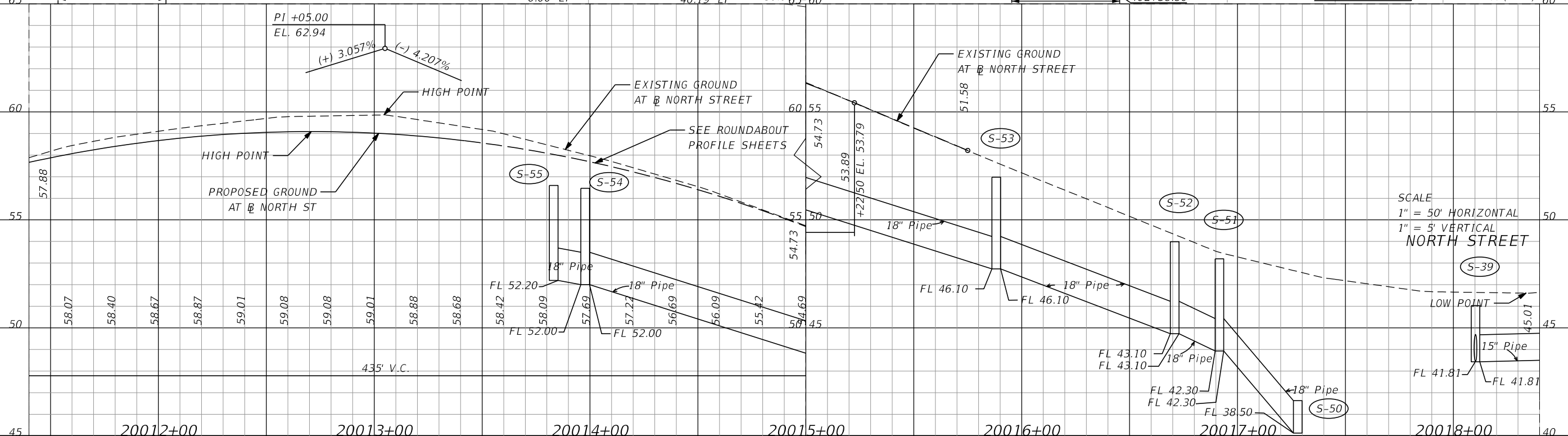
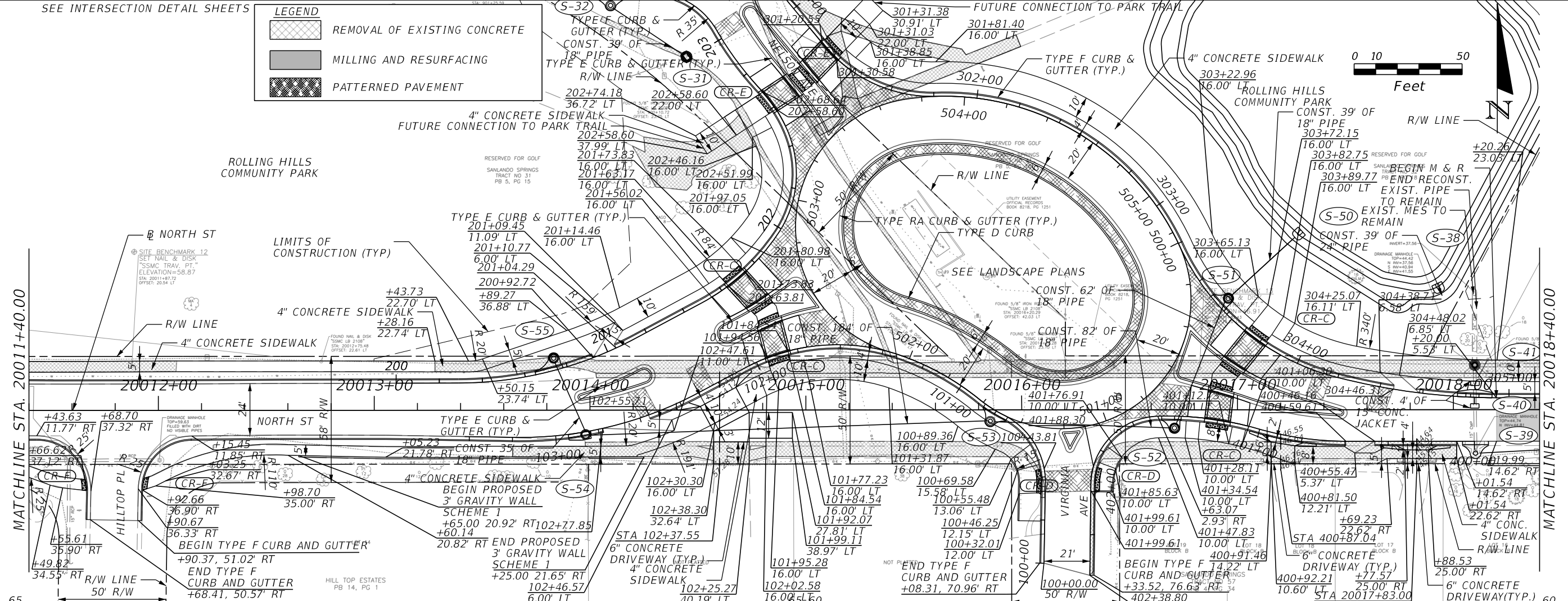
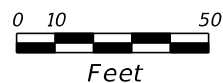
PLAN-PROFILE SHEET (8)

SHEET NO.
52

SEE INTERSECTION DETAIL SHEETS

LEGEND

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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 (9)

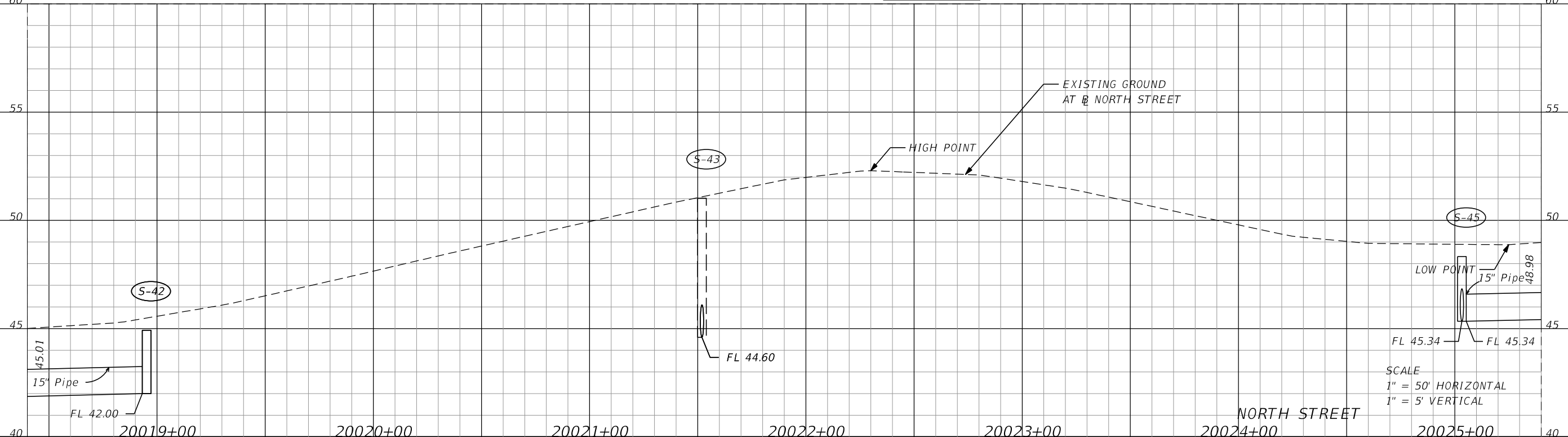
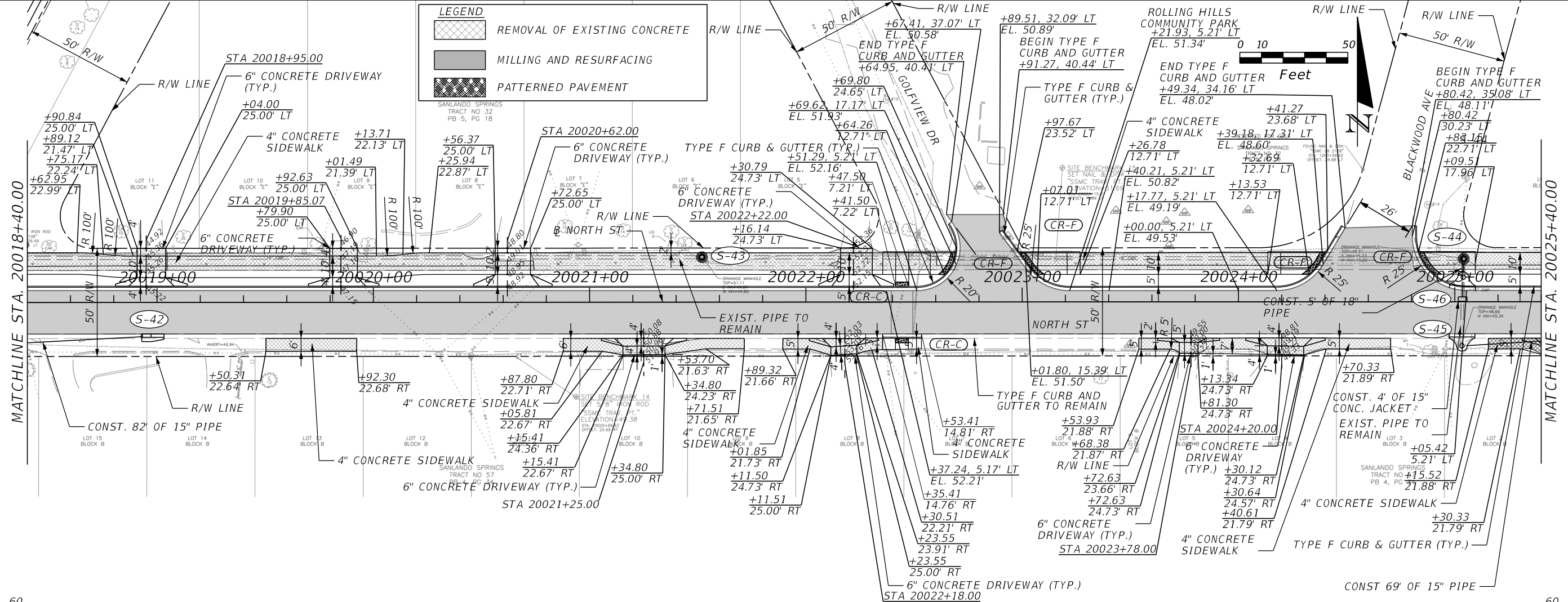
SHEET NO.
 53

MATCHLINE STA. 20018+40.00

MATCHLINE STA. 20025+40.00

LEGEND

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

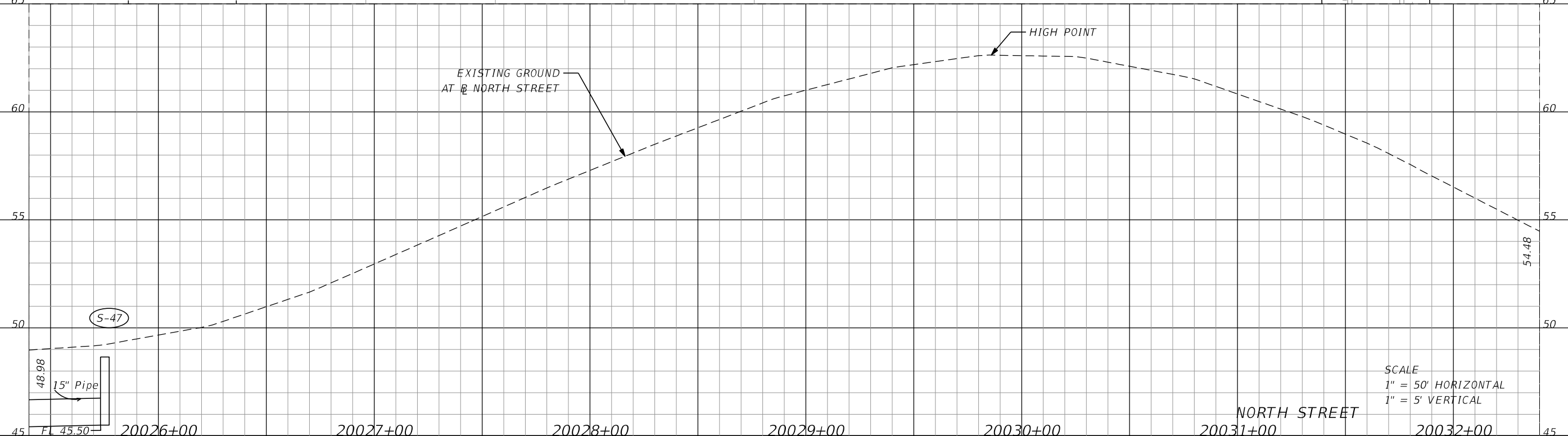
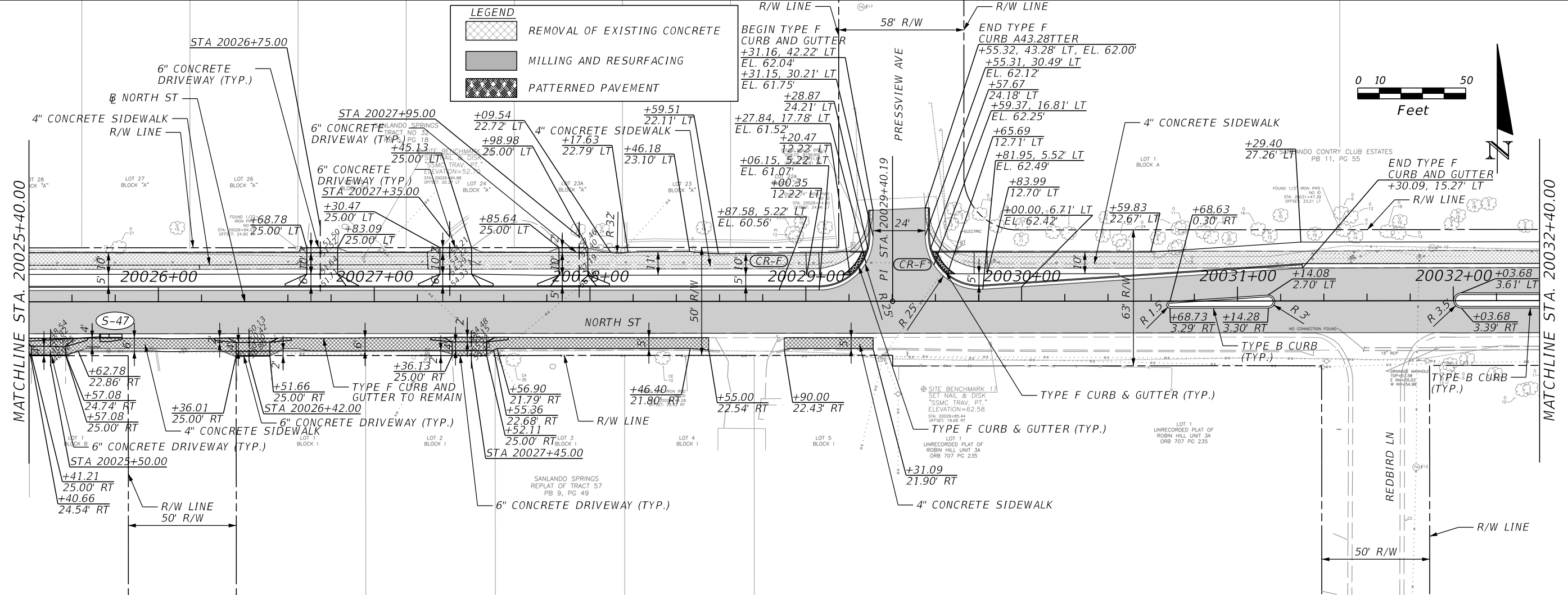
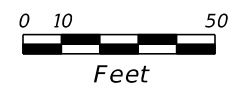
PLAN-PROFILE SHEET (10)

SHEET NO. 54

LEGEND	
	REMOVAL OF EXISTING CONCRETE
	MILLING AND RESURFACING
	PATTERNED PAVEMENT

BEGIN TYPE F CURB AND GUTTER
+31.16, 42.22' LT
EL. 62.04'
+31.15, 30.21' LT
EL. 61.75'

END TYPE F CURB A43.28' RT
+55.32, 43.28' LT, EL. 62.00'
+55.31, 30.49' LT
EL. 62.12'
+57.67
24.18' LT
+59.37, 16.81' LT
EL. 62.25'
+65.69
12.71' LT
+81.95, 5.52' LT
EL. 62.49'



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
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

PLAN-PROFILE SHEET (11)

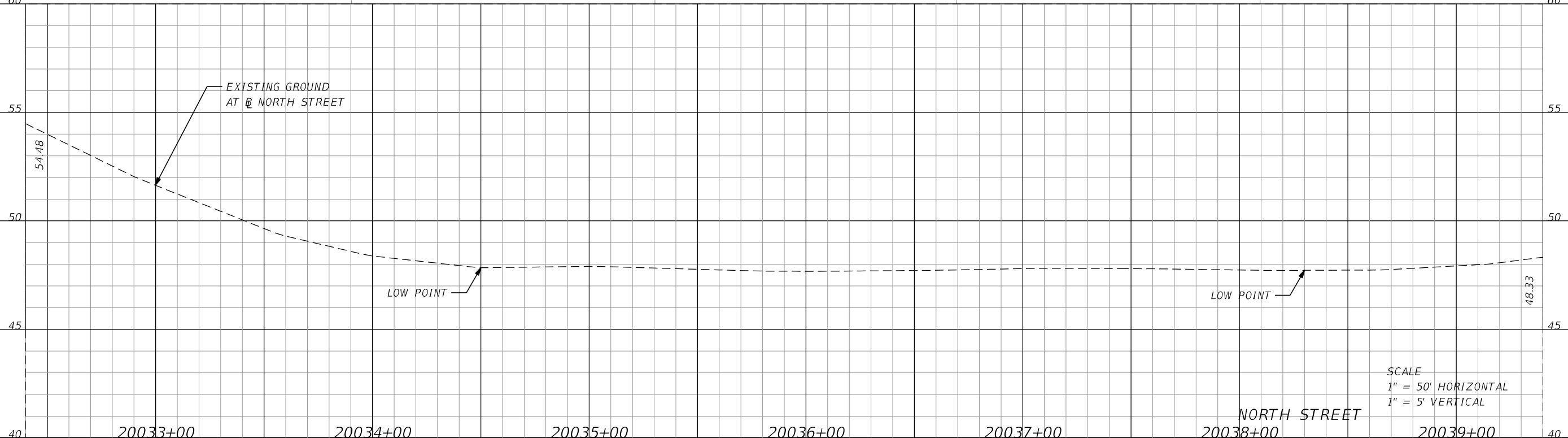
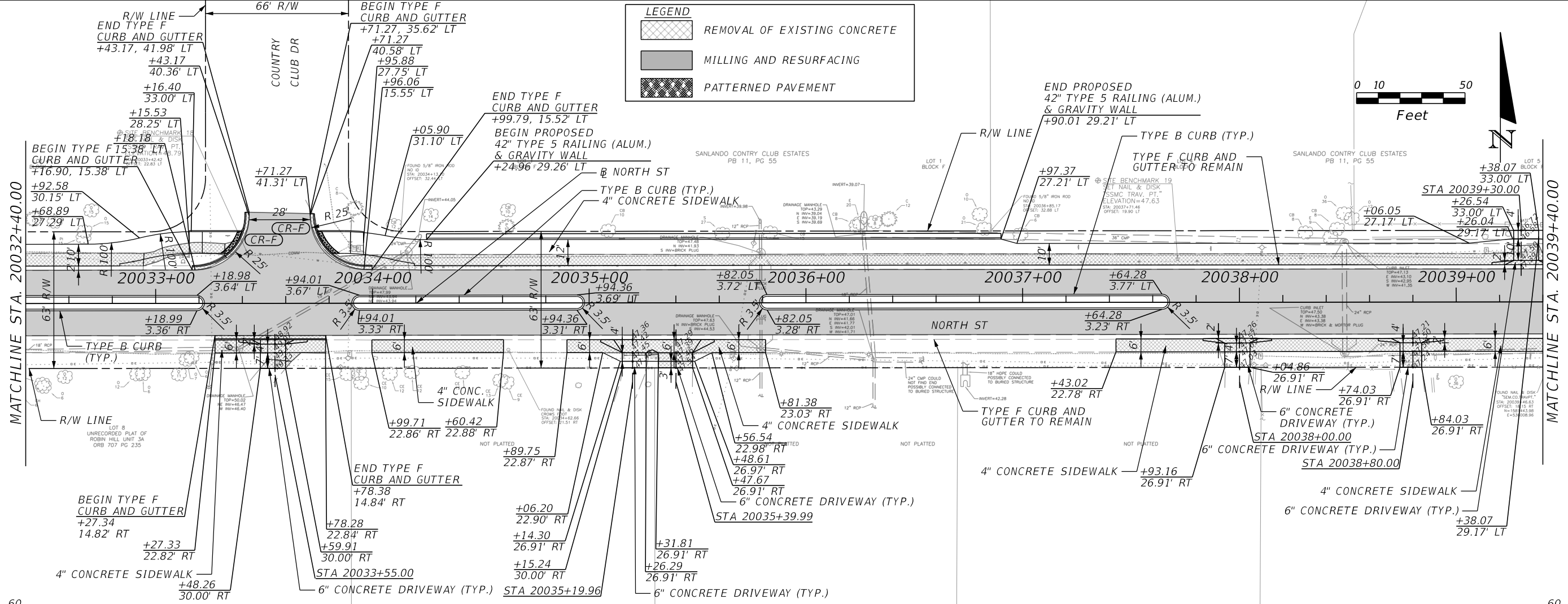
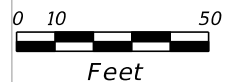
SHEET NO.
55

MATCHLINE STA. 20032+40.00

MATCHLINE STA. 20039+40.00

LEGEND

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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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

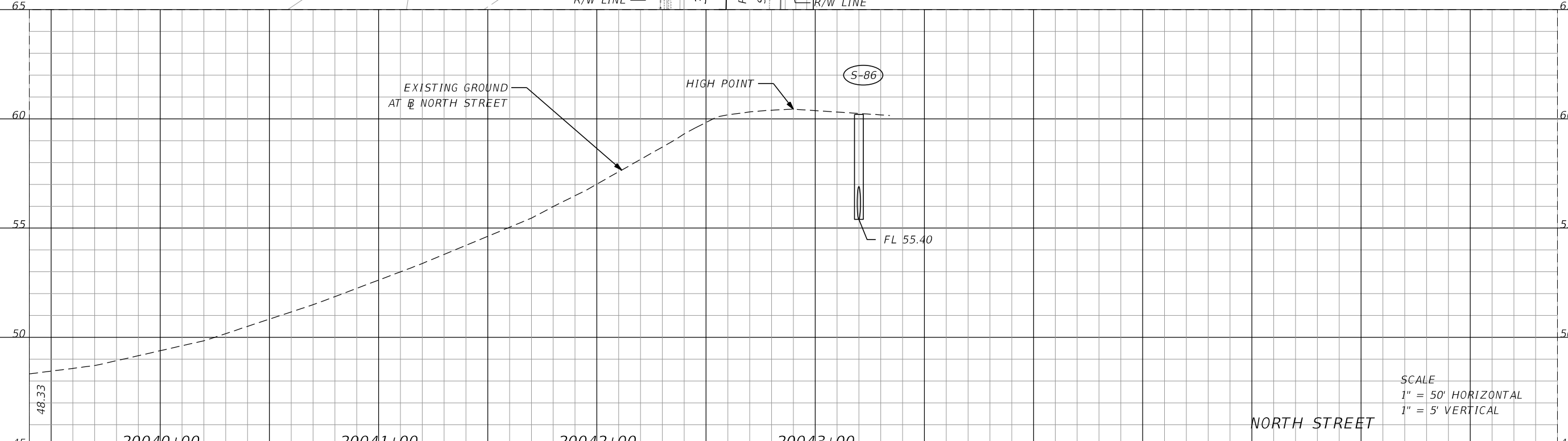
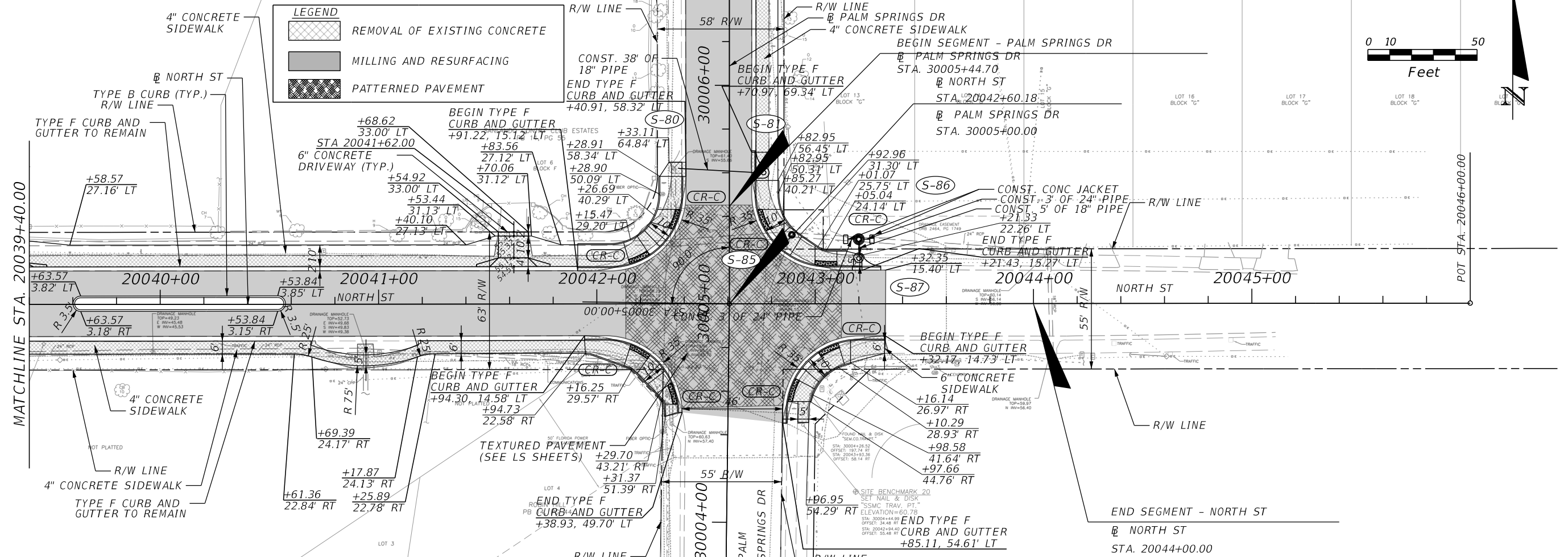
PLAN-PROFILE SHEET (12)

SHEET NO. 56

MATCHLINE STA. 30006+40.00

LEGEND

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

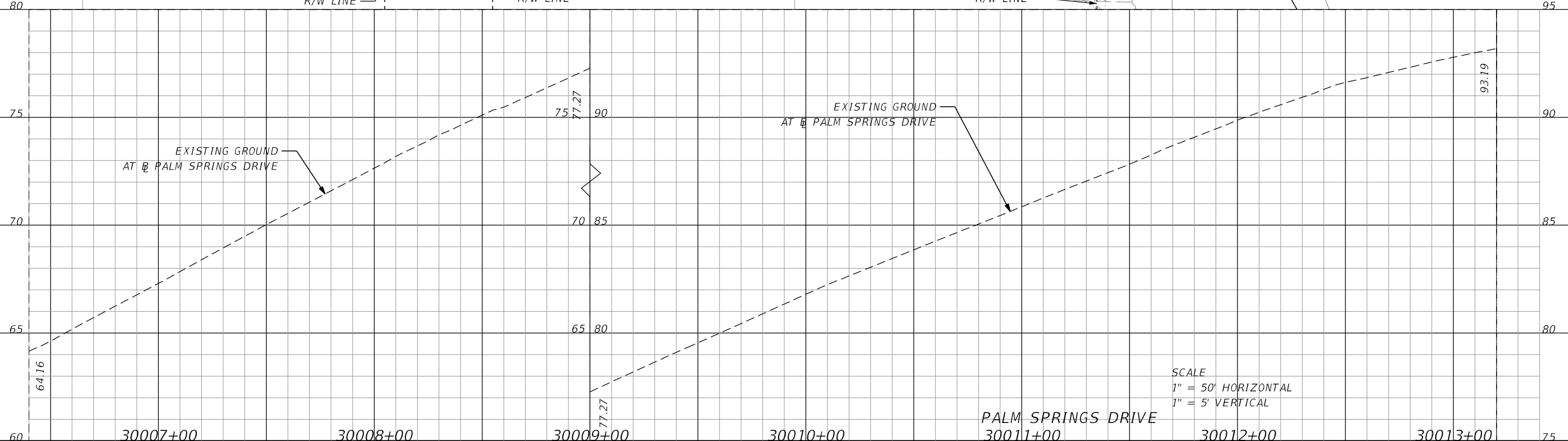
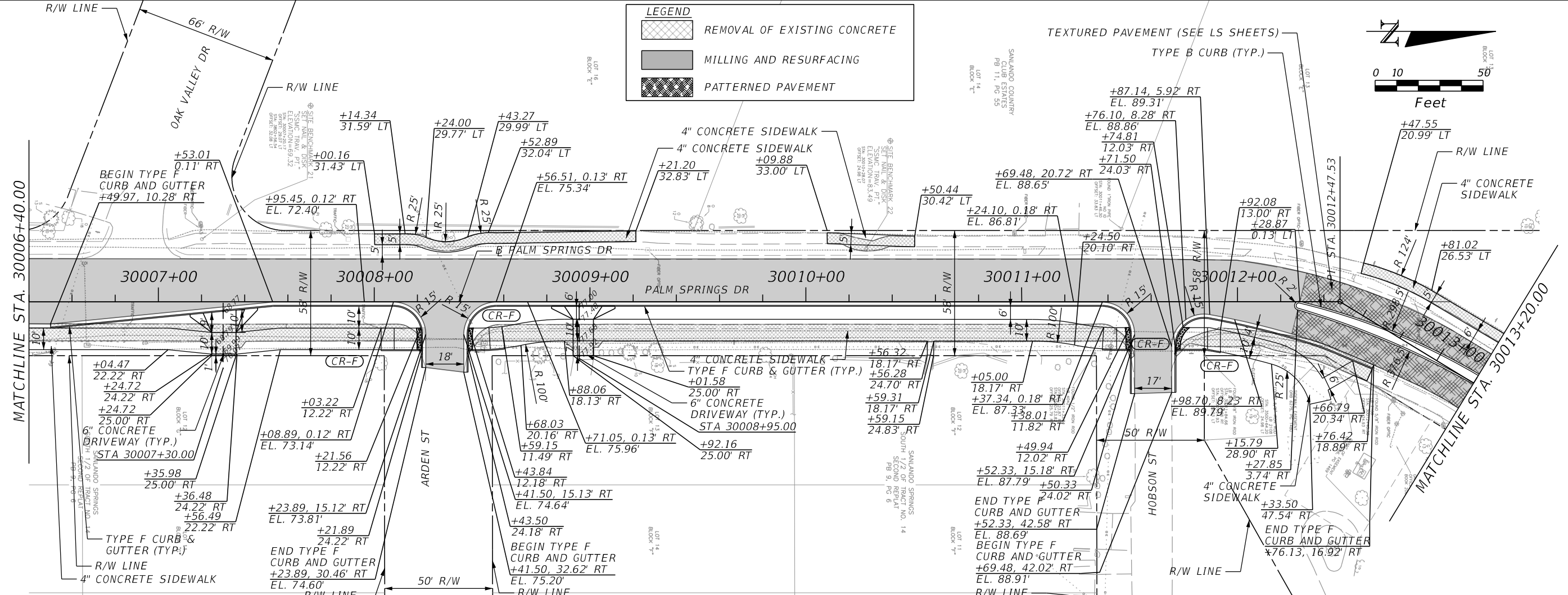
MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE I

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

PLAN-PROFILE SHEET (13)

SHEET NO. 57



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

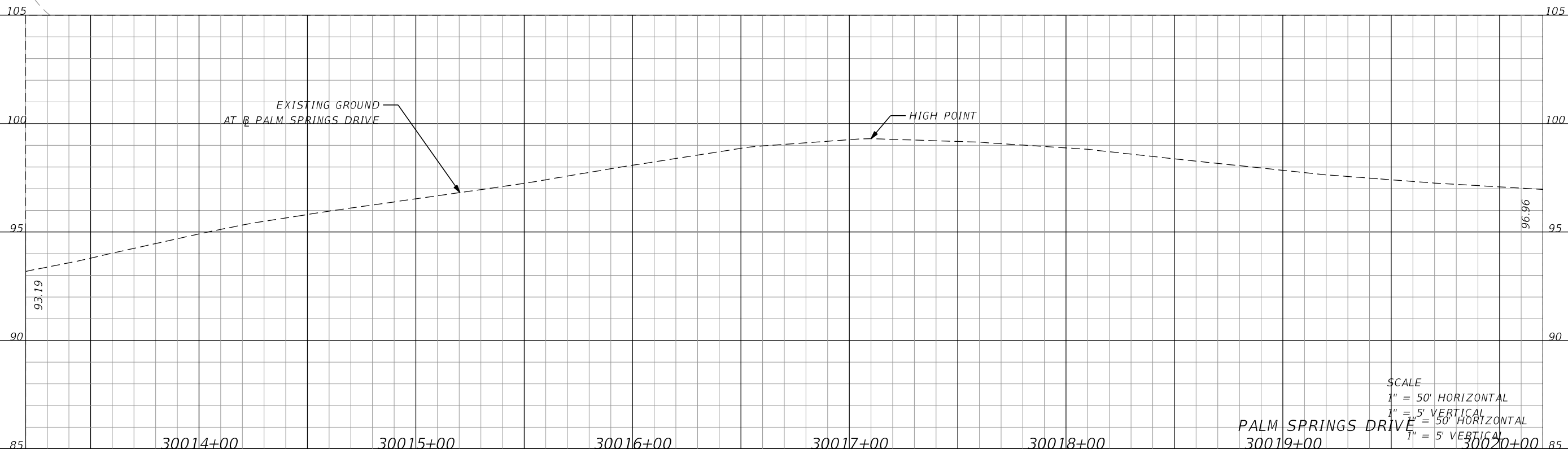
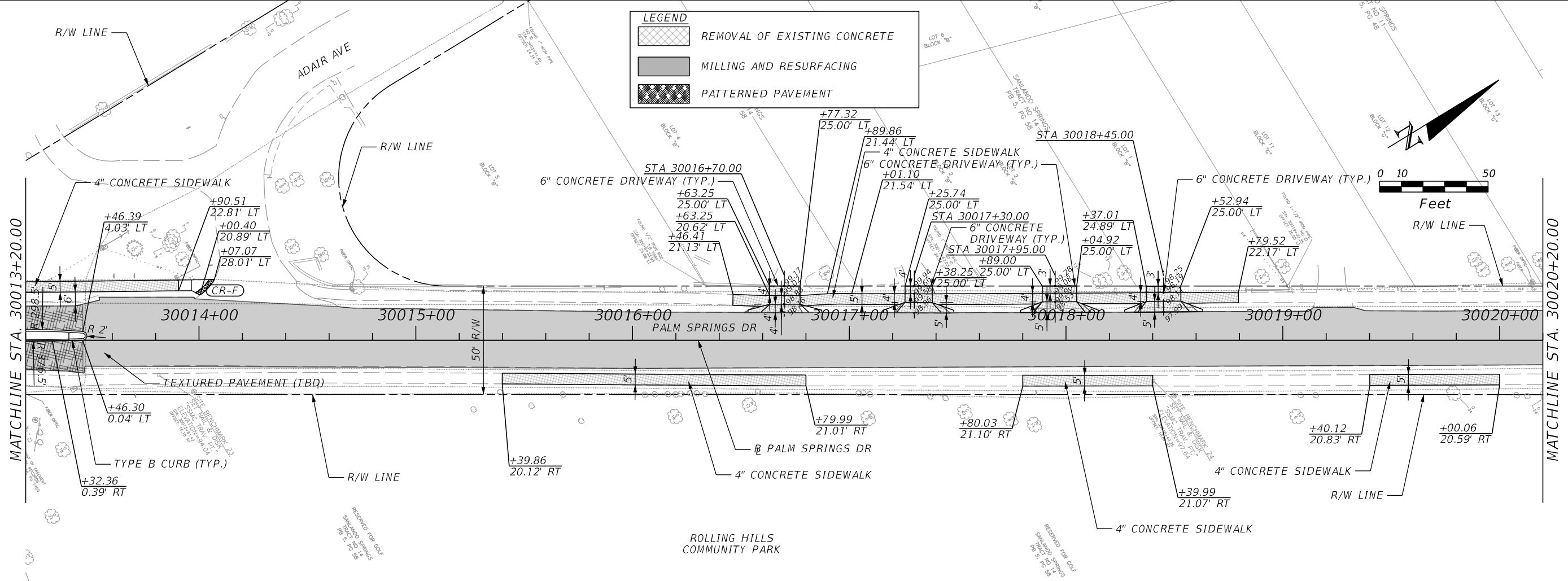


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR.
 COUNTY CIP NO.: 01907084

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

PLAN-PROFILE SHEET (14)

SHEET NO.
58



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

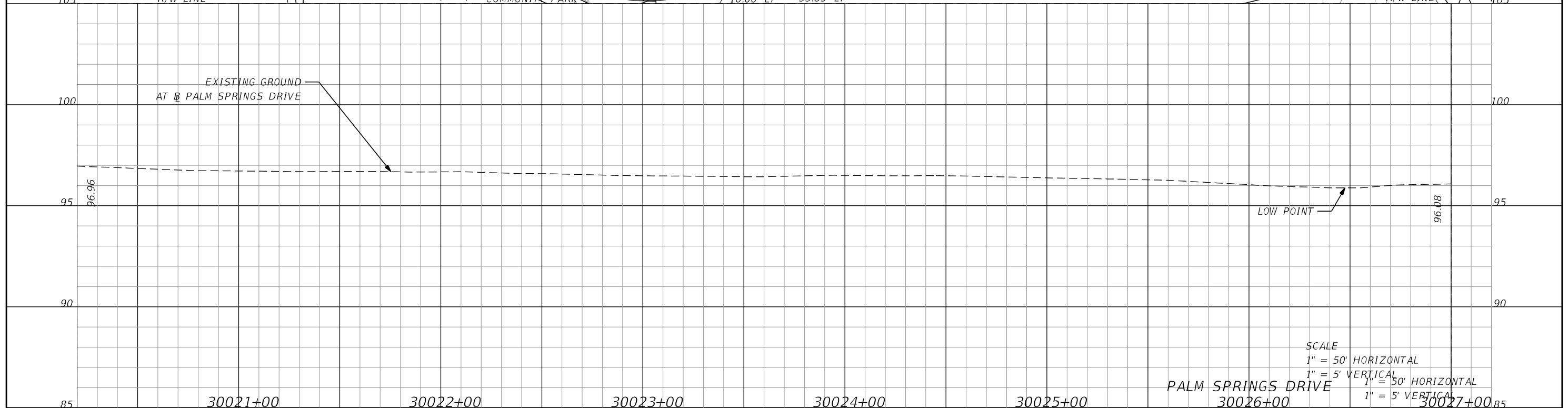
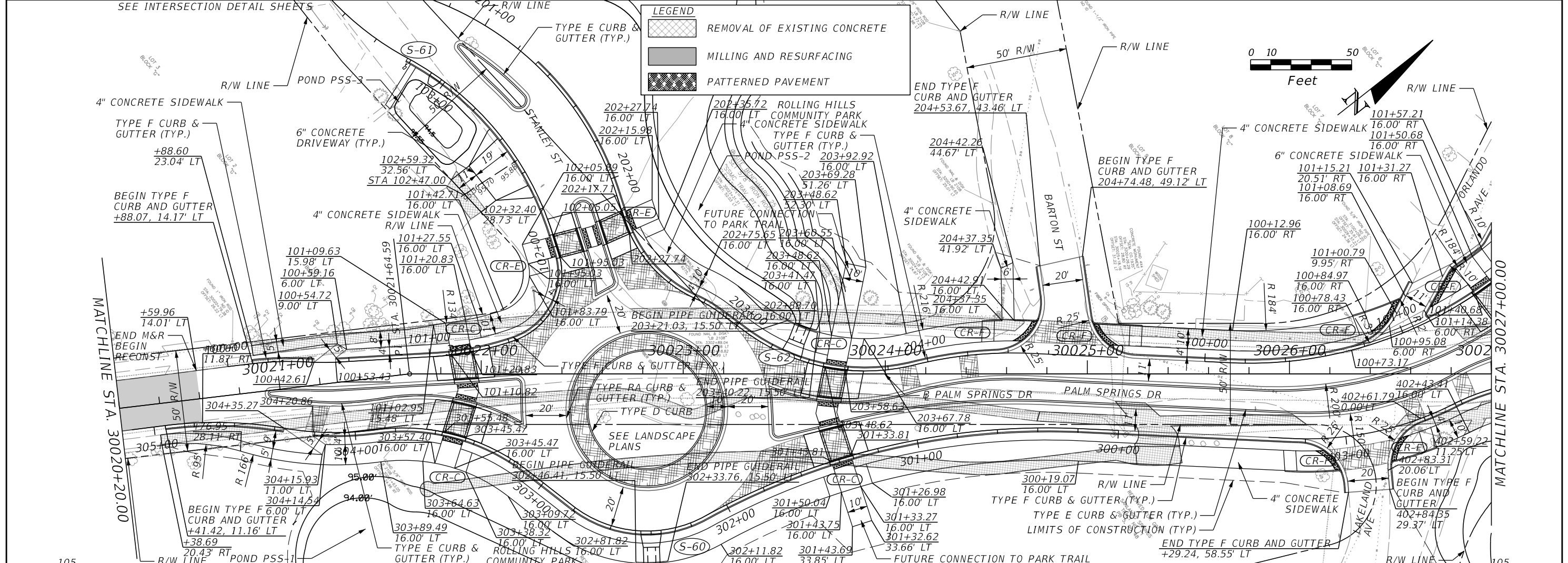
ROAD	COUNTY CIP NO.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

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

PALM SPRINGS DRIVE

PLAN-PROFILE SHEET (15)

SHEET NO. 59



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



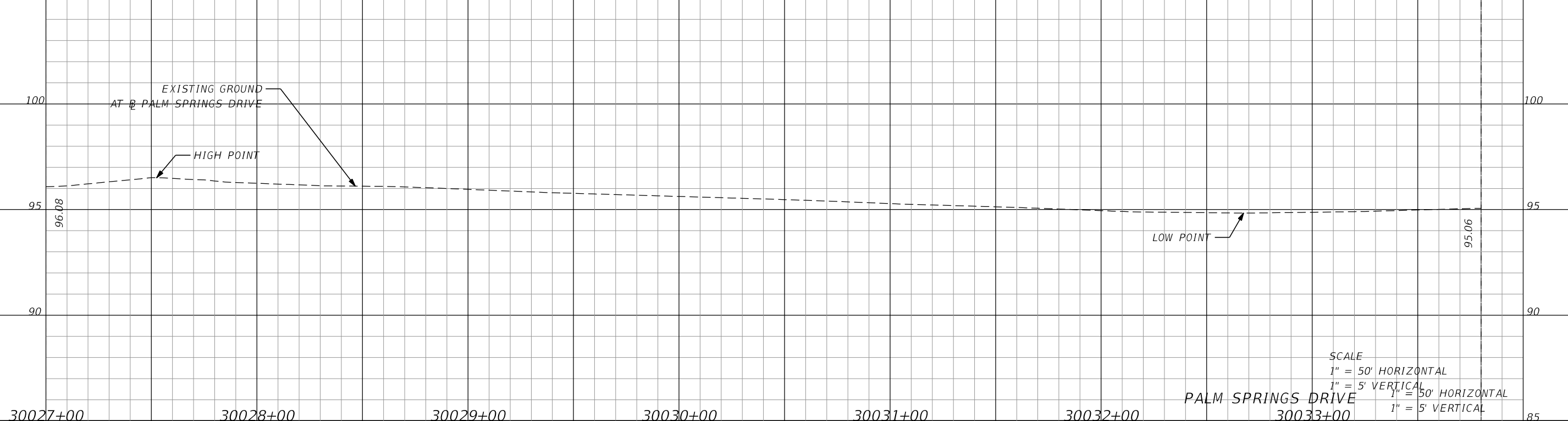
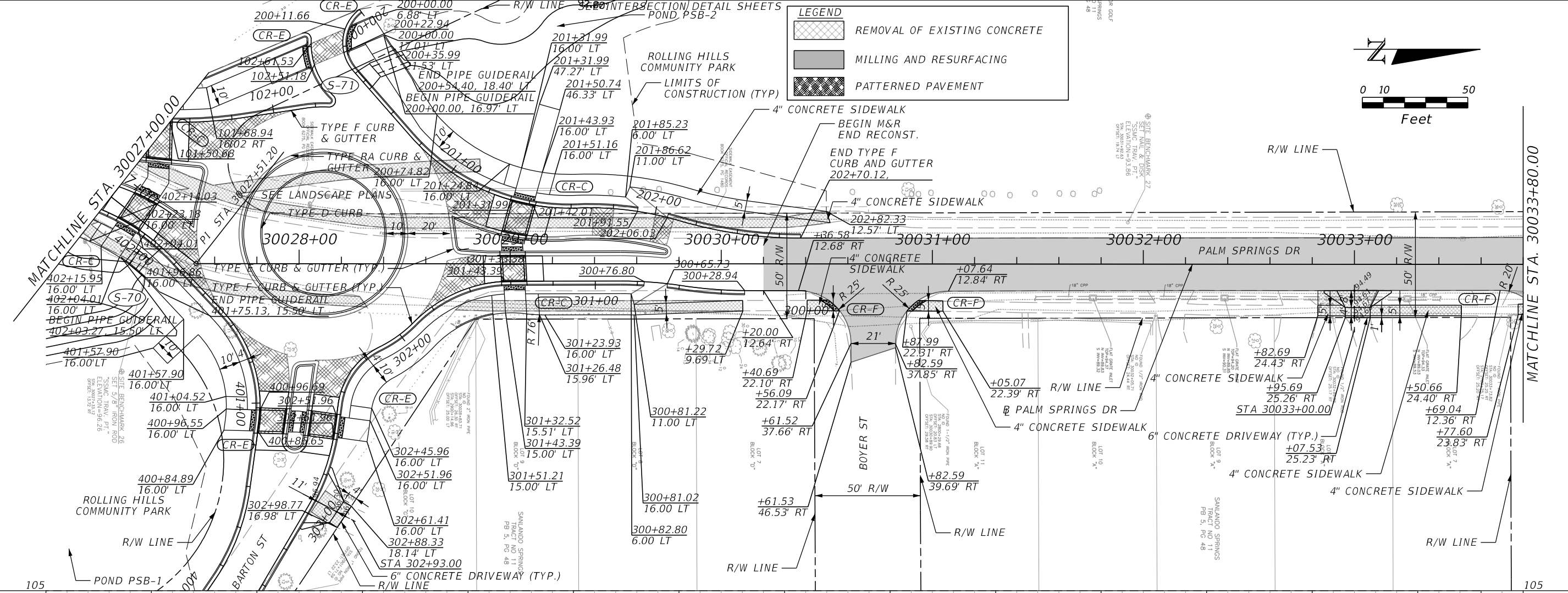
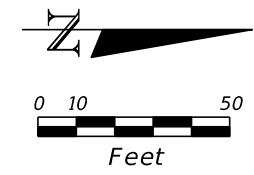
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

PALM SPRINGS DRIVE
 PLAN-PROFILE SHEET (16)
 SHEET NO. 60

LEGEND

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

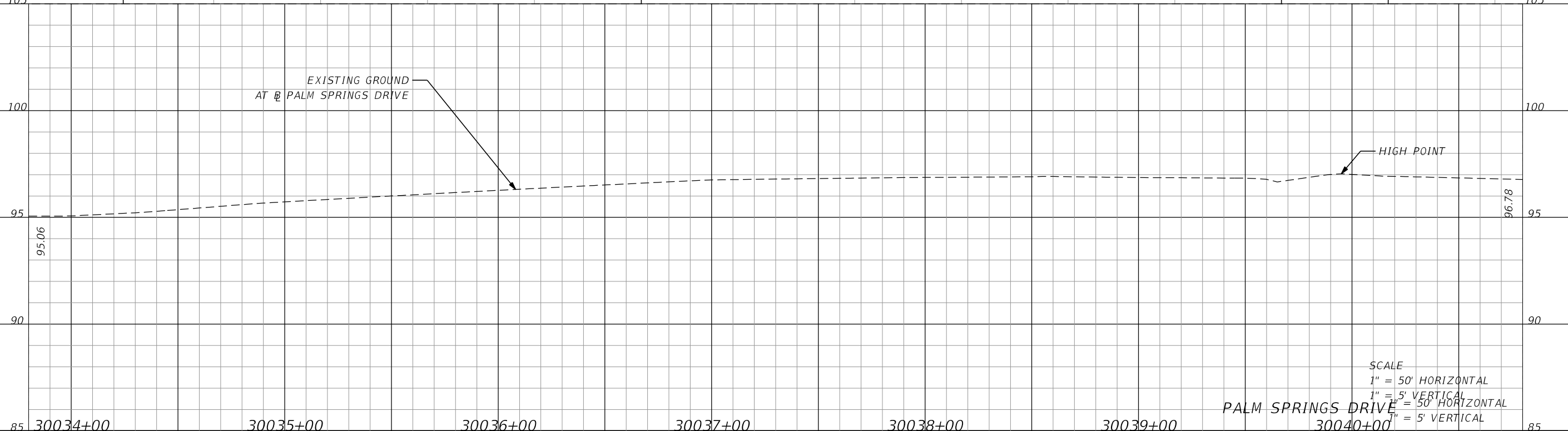
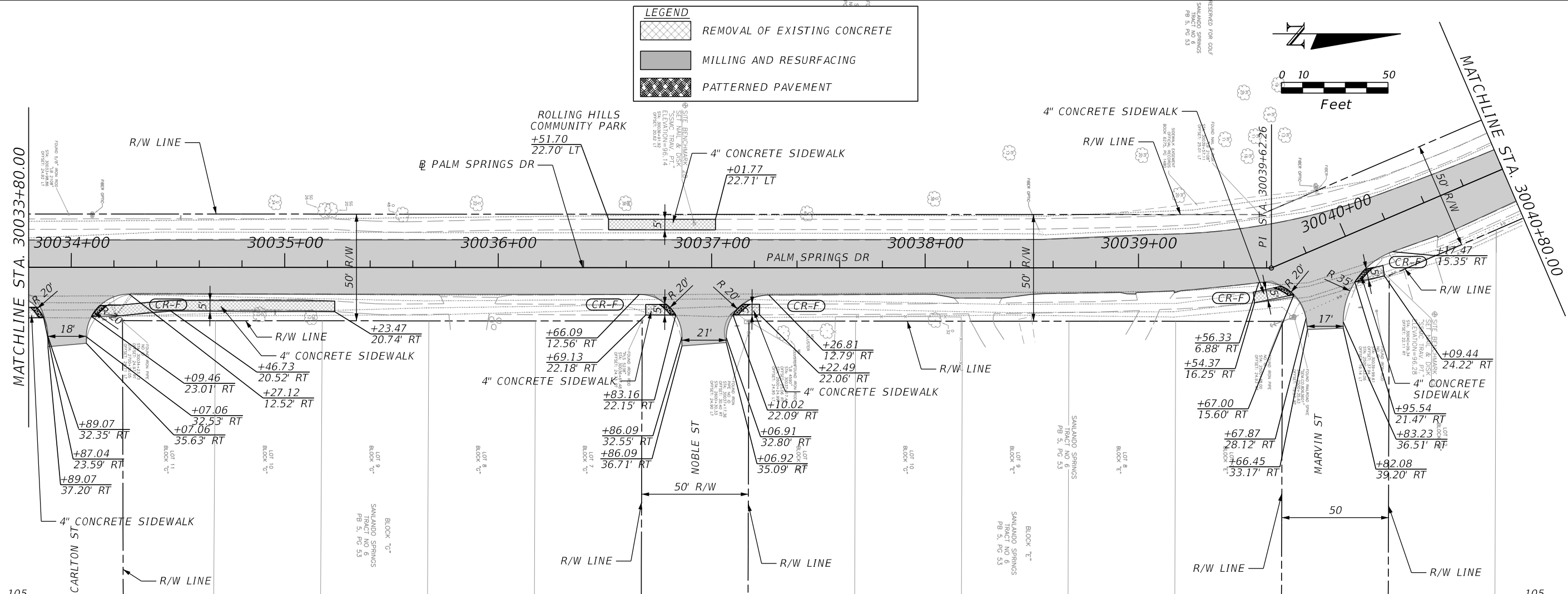
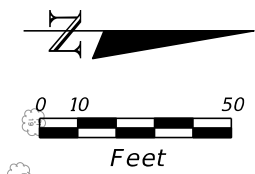
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

PLAN-PROFILE SHEET (17)

SHEET NO.
61

LEGEND

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



SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL
 PALM SPRINGS DRIVE = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS	
DATE	DESCRIPTION

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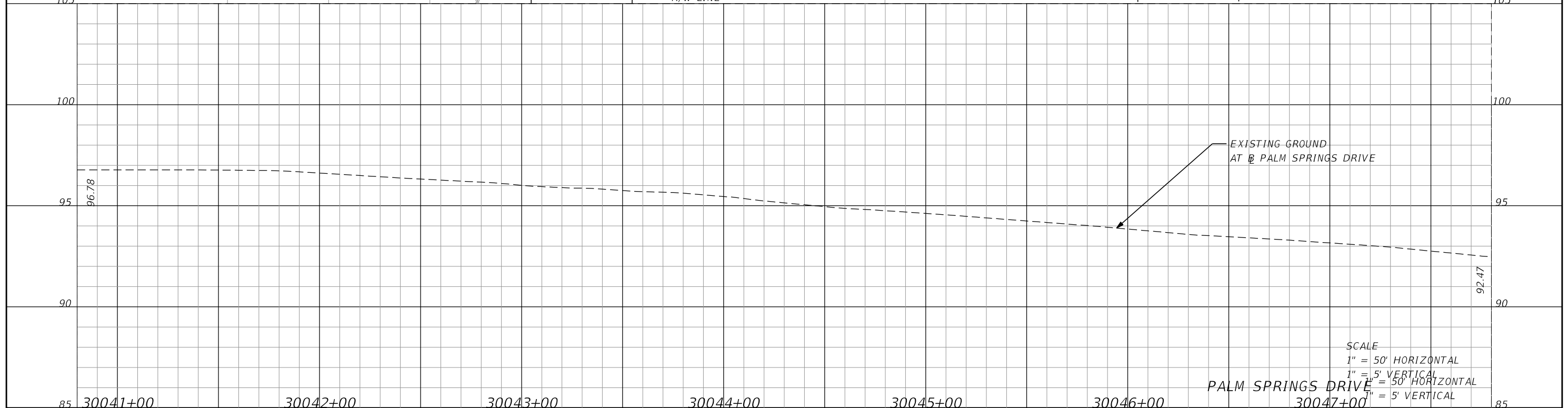
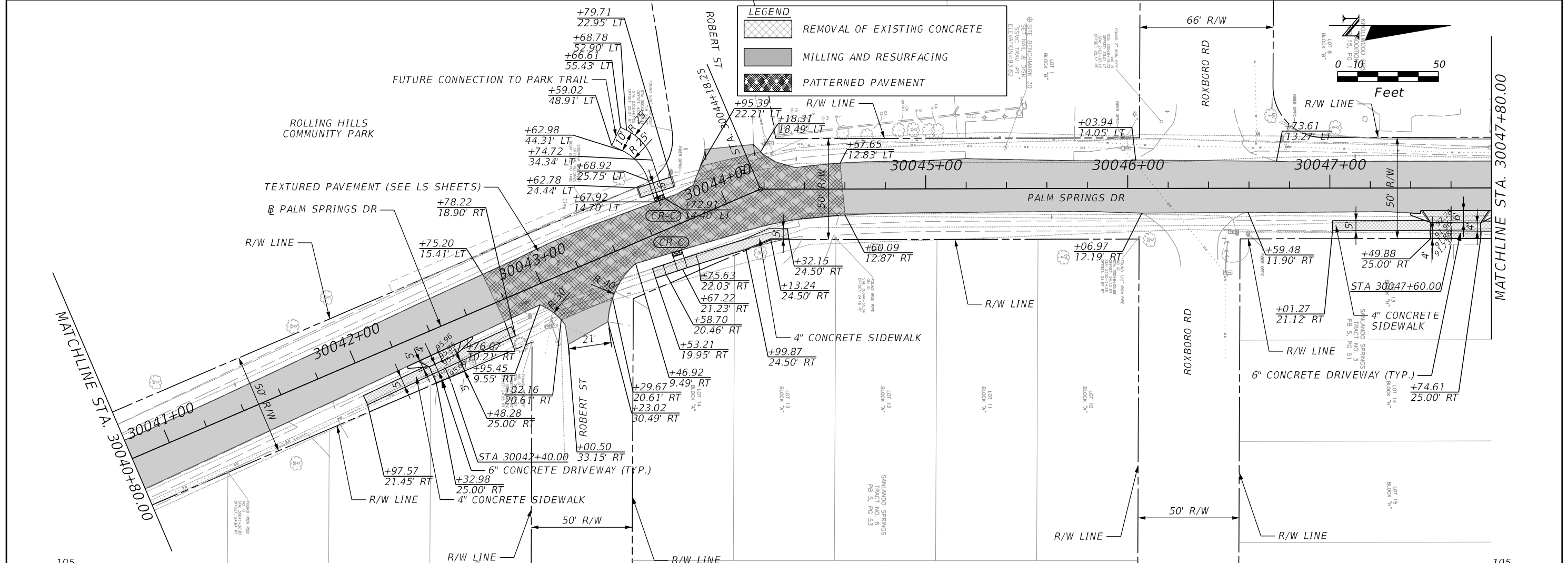


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

PLAN-PROFILE SHEET (18)

SHEET NO.
62



SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL
 PALM SPRINGS DRIVE = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

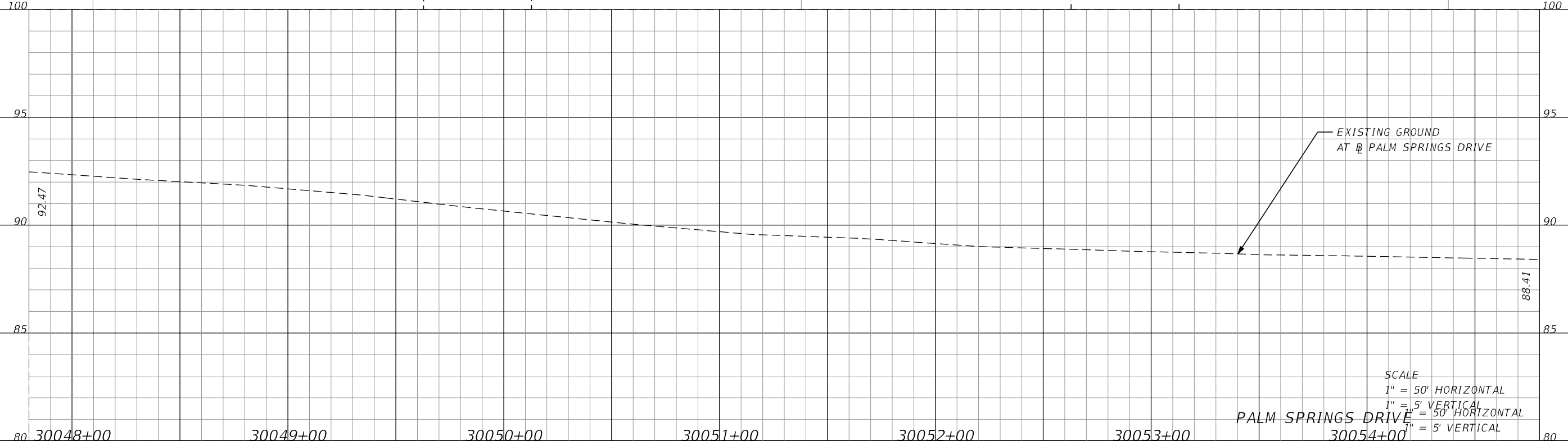
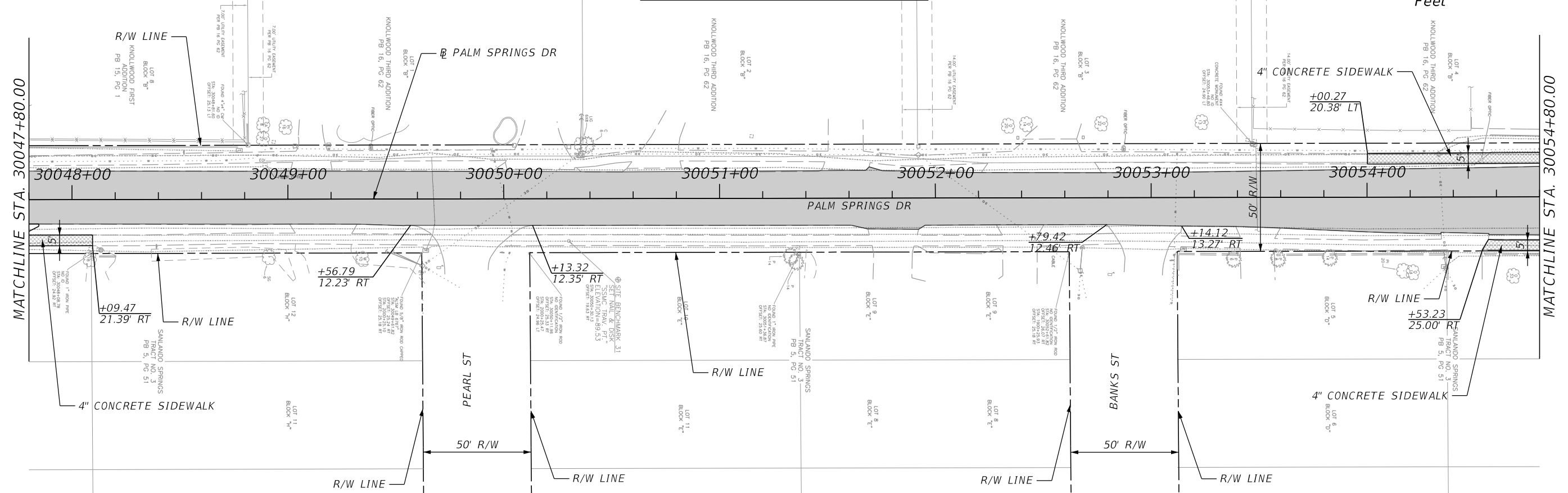
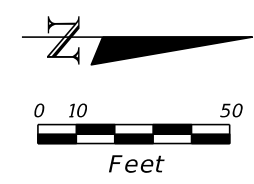
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

PLAN-PROFILE SHEET (19)

SHEET NO. **63**

LEGEND

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



SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL
 PALM SPRINGS DRIVE = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

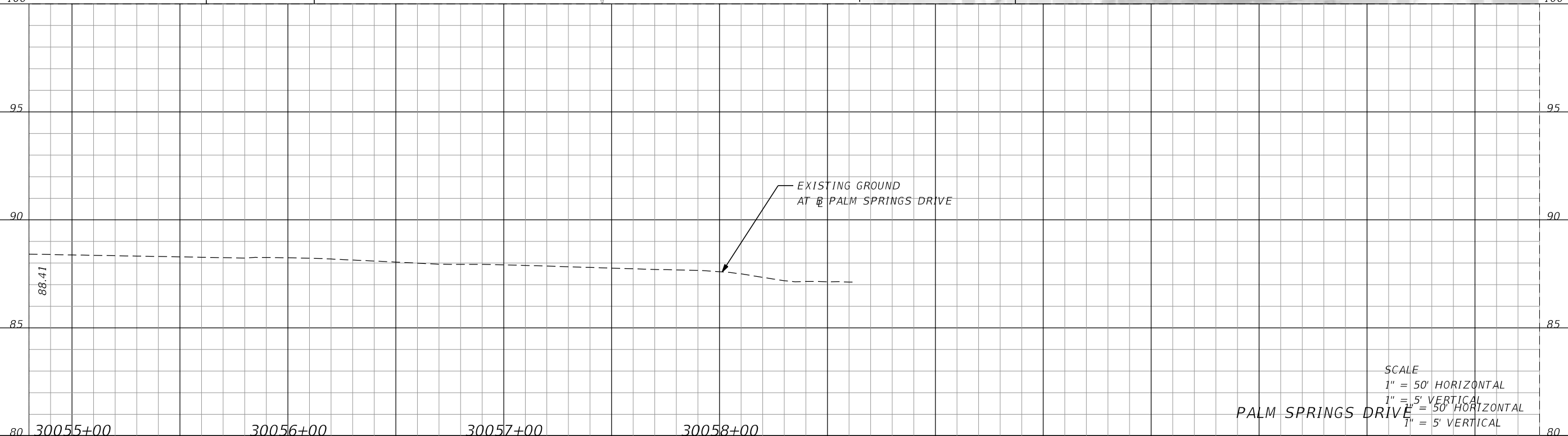
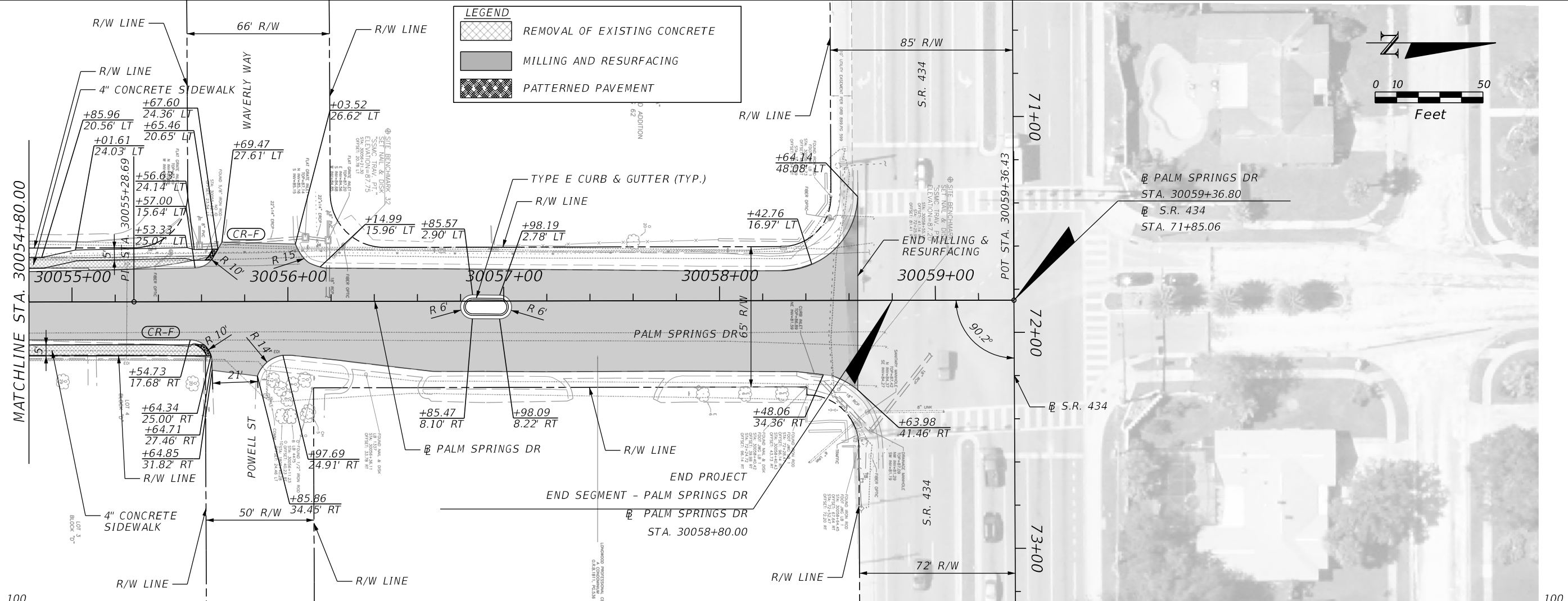
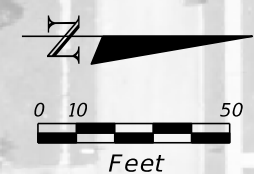
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

PLAN-PROFILE SHEET (20)

SHEET NO.
64

LEGEND

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



SCALE
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL
 PALM SPRINGS DRIVE = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

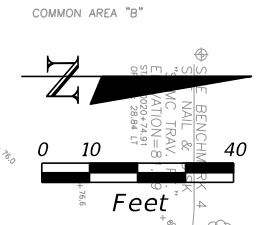
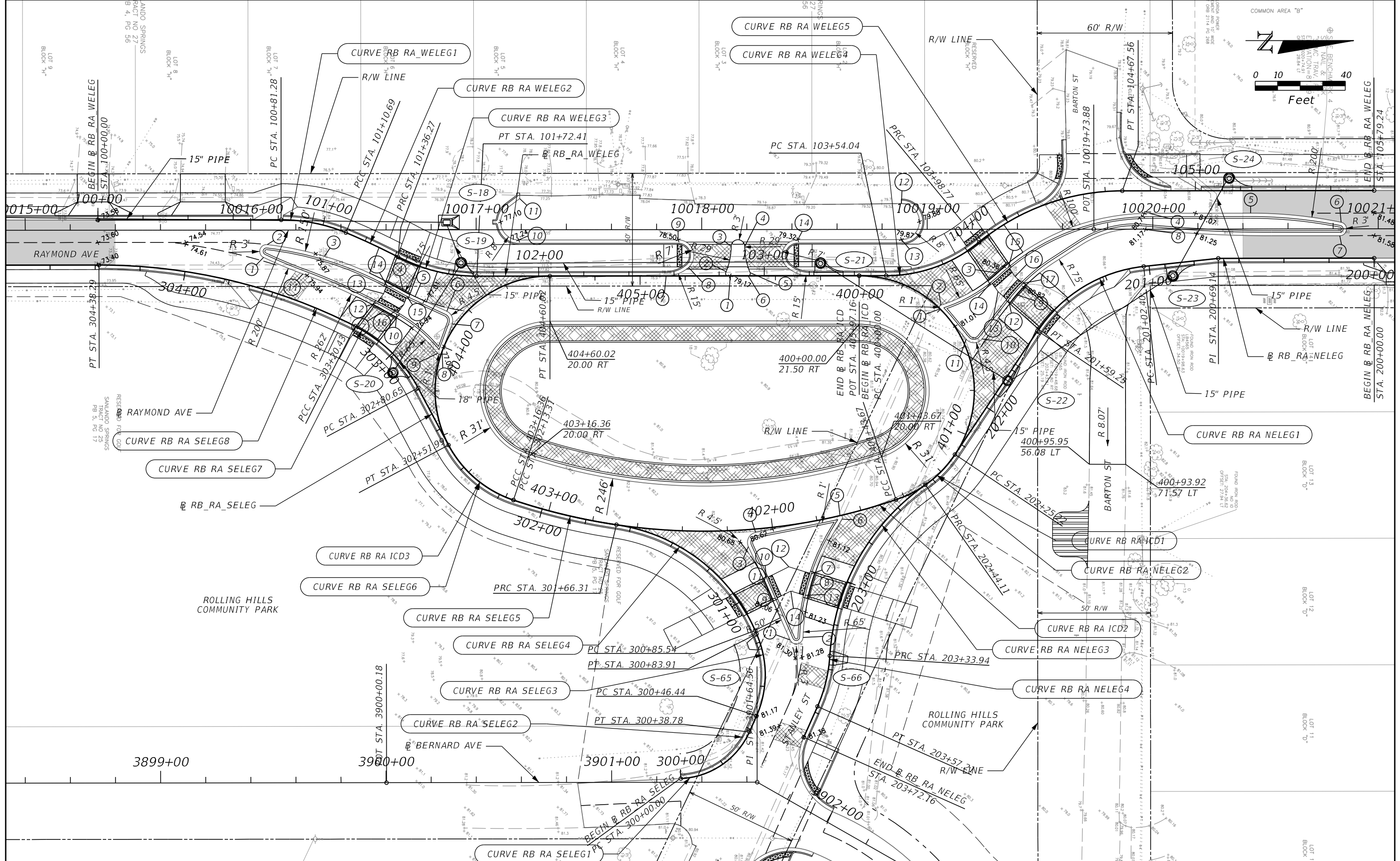


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

PLAN-PROFILE SHEET (21)

SHEET NO.
65



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
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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

INTERSECTION DETAIL (1)
RAYMOND AVE / BARTON ST

SHEET NO.
66

RB RA WELEG

CURVE DATA RB RA WELEG1
 PI STA. = 100+96.18
 Δ = 22° 28' 04" (RT)
 D = 76° 23' 40"
 T = 14.90
 L = 29.41
 R = 75.00
 PC STA. = 100+81.28
 PT STA. = 101+10.69

CURVE DATA RB RA WELEG2
 PI STA. = 101+23.49
 Δ = 5° 07' 22" (RT)
 D = 20° 02' 01"
 T = 12.79
 L = 25.57
 R = 286.00
 PC STA. = 101+10.69
 PT STA. = 101+36.27

CURVE DATA RB RA WELEG3
 PI STA. = 101+54.70
 Δ = 27° 36' 44" (LT)
 D = 76° 23' 40"
 T = 18.43
 L = 36.14
 R = 75.00
 PC STA. = 101+36.27
 PT STA. = 101+72.41

CURVE DATA RB RA WELEG4
 PI STA. = 103+77.33
 Δ = 39° 25' 06" (LT)
 D = 88° 08' 28"
 T = 23.29
 L = 44.72
 R = 65.00
 PC STA. = 103+54.04
 PT STA. = 103+98.77

CURVE DATA RB RA WELEG5
 PI STA. = 104+34.59
 Δ = 39° 25' 06" (RT)
 D = 57° 18' 60"
 T = 35.82
 L = 68.79
 R = 99.99
 PC STA. = 103+98.77
 PT STA. = 104+67.56

RB RA NELEG

CURVE DATA RB RA NELEG1
 PI STA. = 201+32.79
 Δ = 50° 06' 21" (LT)
 D = 88° 08' 50"
 T = 30.38
 L = 56.84
 R = 65.00
 PC STA. = 201+02.40
 PT STA. = 201+59.25

CURVE DATA RB RA NELEG2
 PI STA. = 202+34.78
 Δ = 21° 13' 19" (RT)
 D = 112° 20' 41"
 T = 9.55
 L = 18.89
 R = 51.00
 PC STA. = 202+25.22
 PT STA. = 202+44.11

CURVE DATA RB RA NELEG3
 PI STA. = 202+92.31
 Δ = 51° 28' 09" (LT)
 D = 57° 17' 45"
 T = 48.20
 L = 89.83
 R = 100.00
 PC STA. = 202+44.11
 PT STA. = 203+33.94

CURVE DATA RB RA NELEG4
 PI STA. = 203+45.70
 Δ = 20° 30' 22" (RT)
 D = 88° 08' 50"
 T = 11.76
 L = 23.26
 R = 65.00
 PC STA. = 203+33.94
 PT STA. = 203+57.21

RB RA SELEG

CURVE DATA RB RA SELEG1
 PI STA. = 300+21.65
 Δ = 63° 29' 10" (LT)
 D = 163° 42' 08"
 T = 21.65
 L = 38.78
 R = 35.00
 PC STA. = 300+00.00
 PT STA. = 300+38.78

CURVE DATA RB RA SELEG2
 PI STA. = 300+66.34
 Δ = 47° 42' 34" (LT)
 D = 127° 19' 26"
 T = 19.90
 L = 37.47
 R = 45.00
 PC STA. = 300+46.44
 PT STA. = 300+83.91

CURVE DATA RB RA SELEG3
 PI STA. = 301+29.74
 Δ = 57° 50' 55" (LT)
 D = 71° 37' 11"
 T = 44.21
 L = 80.77
 R = 80.00
 PC STA. = 300+85.54
 PT STA. = 301+66.31

CURVE DATA RB RA SELEG4
 PI STA. = 301+89.87
 Δ = 10° 07' 24" (RT)
 D = 21° 32' 23"
 T = 23.56
 L = 46.99
 R = 266.00
 PC STA. = 301+66.31
 PT STA. = 302+13.31

CURVE DATA RB RA SELEG5
 PI STA. = 302+33.63
 Δ = 43° 27' 40" (RT)
 D = 112° 20' 41"
 T = 20.33
 L = 38.69
 R = 51.00
 PC STA. = 302+13.31
 PT STA. = 302+51.99

CURVE DATA RB RA SELEG6
 PI STA. = 303+01.18
 Δ = 35° 03' 58" (LT)
 D = 88° 08' 50"
 T = 20.54
 L = 39.78
 R = 65.00
 PC STA. = 302+80.65
 PT STA. = 303+20.43

RB RA ICD

CURVE DATA RB RA ICD1
 PI STA. = 403+11.47
 Δ = 161° 24' 06" (RT)
 D = 112° 20' 41"
 T = 311.47
 L = 143.67
 R = 51.00
 PC STA. = 400+00.00
 PT STA. = 401+43.67

CURVE DATA RB RA ICD2
 PI STA. = 402+33.18
 Δ = 37° 11' 48" (RT)
 D = 21° 32' 23"
 T = 89.51
 L = 172.69
 R = 266.00
 PC STA. = 401+43.67
 PT STA. = 403+16.36

CURVE DATA RB RA ICD3
 PI STA. = 406+27.82
 Δ = 161° 24' 06" (RT)
 D = 112° 20' 41"
 T = 311.47
 L = 143.67
 R = 51.00
 PC STA. = 403+16.36
 PT STA. = 404+60.02

REVISIONS				MARK W. SUAREZ, P.E. LICENSE NO. 76977 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. 67
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

SPLITTER ISLAND DEFINITIONS

SOUTH LEG SPLITTER ISLAND
BASED ON CHAIN RB_RA_SELEG

- ① STA. 303+68.13
13.57' RT
- ② STA. 303+68.13
19.49' RT
- ③ STA. 303+44.42
22.75' RT
- ④ STA. 303+11.85
24.52' RT
- ⑤ STA. 303+07.57
25.49' RT
- ⑥ STA. 302+97.24
30.30' RT
- ⑦ STA. 302+93.25
28.38' RT
- ⑧ STA. 302+88.01
17.49' RT
- ⑨ STA. 302+88.34
15.45' RT
- ⑩ STA. 303+08.90
14.37' RT
- ⑪ STA. 303+50.22
12.00' RT
- ⑫ STA. 303+17.22
13.57' RT
- ⑬ STA. 303+16.71
18.72' RT
- ⑭ STA. 303+17.22
22.57' RT
- ⑮ STA. 303+09.80
23.36' RT
- ⑯ STA. 303+08.93
19.60' RT
- ⑰ STA. 303+13.43
12.32' RT

WEST LEG SPLITTER ISLAND
BASED ON CHAIN RB_RA_WELEG

- ① STA. 102+84.94
0.00' LT
- ② STA. 102+83.11
1.84' LT
- ③ STA. 102+85.35
13.00' LT
- ④ STA. 102+91.35
13.00' LT
- ⑤ STA. 102+93.77
1.40' LT
- ⑥ STA. 102+92.85
0.00' LT
- ⑦ STA. 102+56.52
0.00' LT
- ⑧ STA. 102+66.44
3.75' LT
- ⑨ STA. 102+61.81
16.00' LT
- ⑩ STA. 101+91.15
16.00' LT
- ⑪ STA. 101+91.56
34.36' LT
- ⑫ STA. 103+67.29
31.30' LT
- ⑬ STA. 103+63.03
15.53' LT
- ⑭ STA. 103+14.89
16.00' LT

NORTH LEG SPLITTER ISLAND
BASED ON CHAIN RB_RA_NELEG

- ① STA. 201+75.15
41.35' RT
- ② STA. 201+73.53
41.93' RT
- ③ STA. 201+51.51
29.97' RT
- ④ STA. 200+97.42
23.15' RT
- ⑤ STA. 200+54.74
20.00' RT
- ⑥ STA. 200+14.64
15.94' RT
- ⑦ STA. 200+15.24
10.00' RT
- ⑧ STA. 200+99.75
16.20' RT
- ⑨ STA. 201+52.75
16.86' RT
- ⑩ STA. 201+75.93
18.51' RT
- ⑪ STA. 201+79.89
24.26' RT
- ⑫ STA. 201+55.88
18.44' RT
- ⑬ STA. 201+55.81
24.37' RT
- ⑭ STA. 201+54.67
29.27' RT
- ⑮ STA. 201+47.75
27.82' RT
- ⑯ STA. 201+48.50
22.86' RT
- ⑰ STA. 201+48.32
18.23' RT

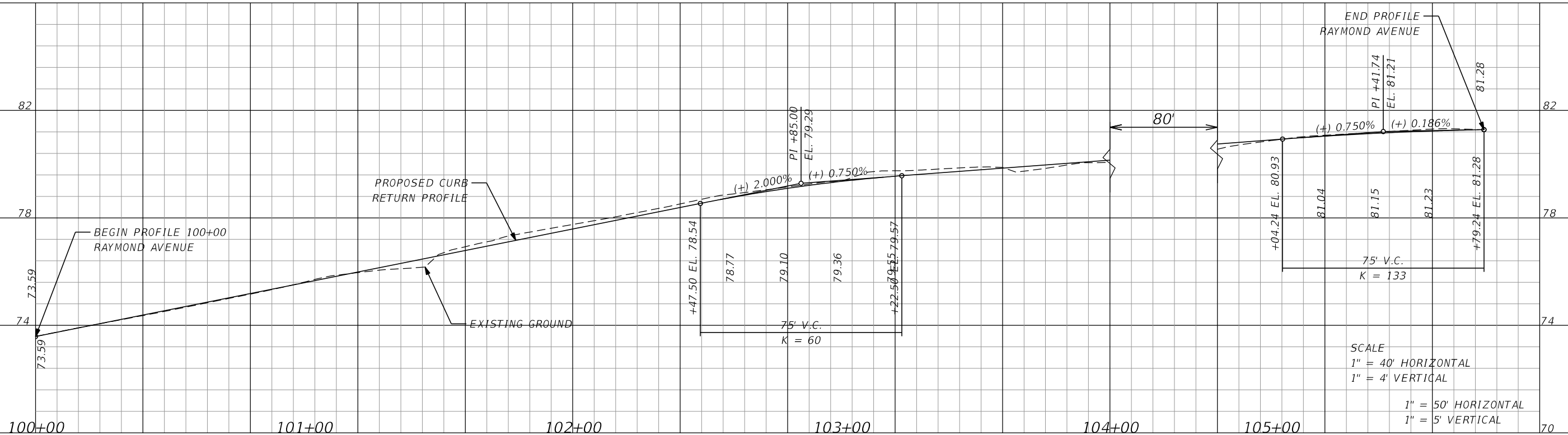
EAST LEG SPLITTER ISLAND
BASED ON CHAIN RB_RA_NELEG

- ① STA. 203+28.90
18.19' RT
- ② STA. 203+27.37
12.61' RT
- ③ STA. 203+01.90
46.43' RT
- ④ STA. 202+97.07
45.95' RT
- ⑤ STA. 202+77.90
17.21' RT
- ⑥ STA. 202+78.45
15.46' RT
- ⑦ STA. 203+02.57
16.05' RT
- ⑧ STA. 203+06.89
14.28' RT
- ⑨ STA. 203+15.09
27.87' RT
- ⑩ STA. 203+09.25
34.22' RT
- ⑪ STA. 203+13.36
31.58' RT
- ⑫ STA. 203+03.20
26.48' RT
- ⑬ STA. 203+11.13
15.49' RT
- ⑭ STA. 203+11.15
22.19' RT

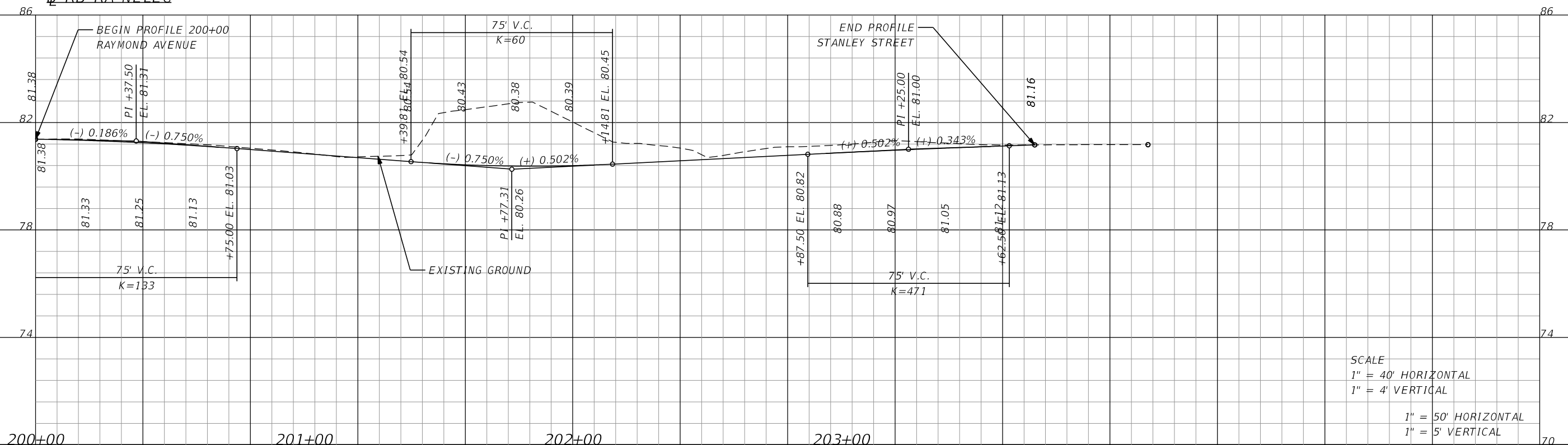
REVISIONS					<small>SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1</small>		INTERSECTION DETAIL (1) RAYMOND AVE / BARTON ST	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		68
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

MARK W. SUAREZ, P.E. LICENSE NO. 76977
315 E. ROBINSON ST.
SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242

RB RA WELEG



RB RA NELEG



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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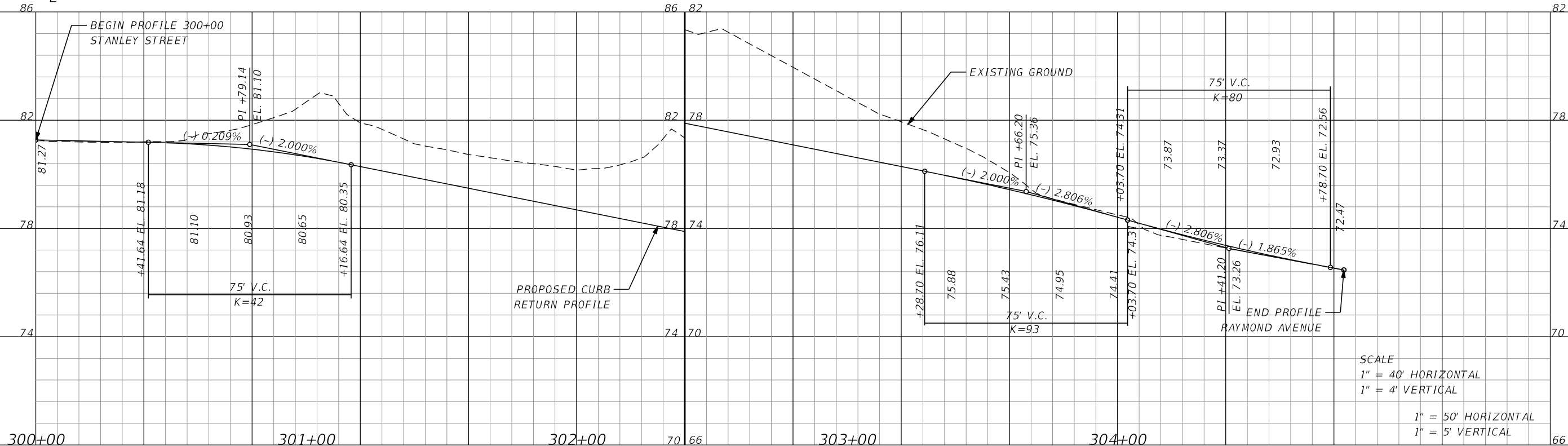


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

INTERSECTION DETAIL (1)
RAYMOND AVE / BARTON ST

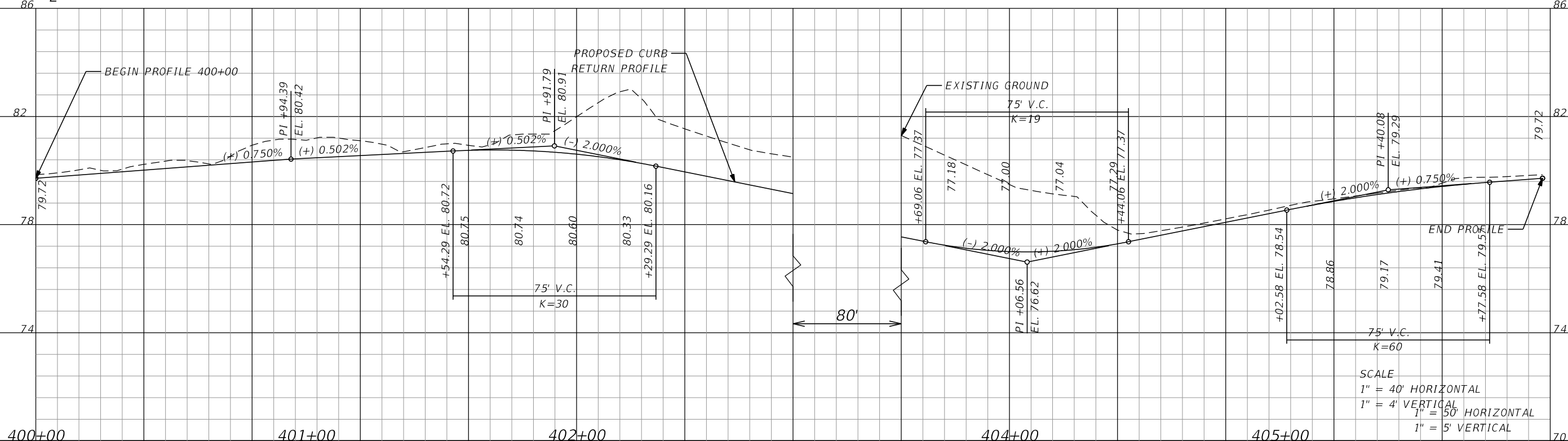
SHEET NO.
69

RB RA SELEG



SCALE
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

RB RA ICD



SCALE
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

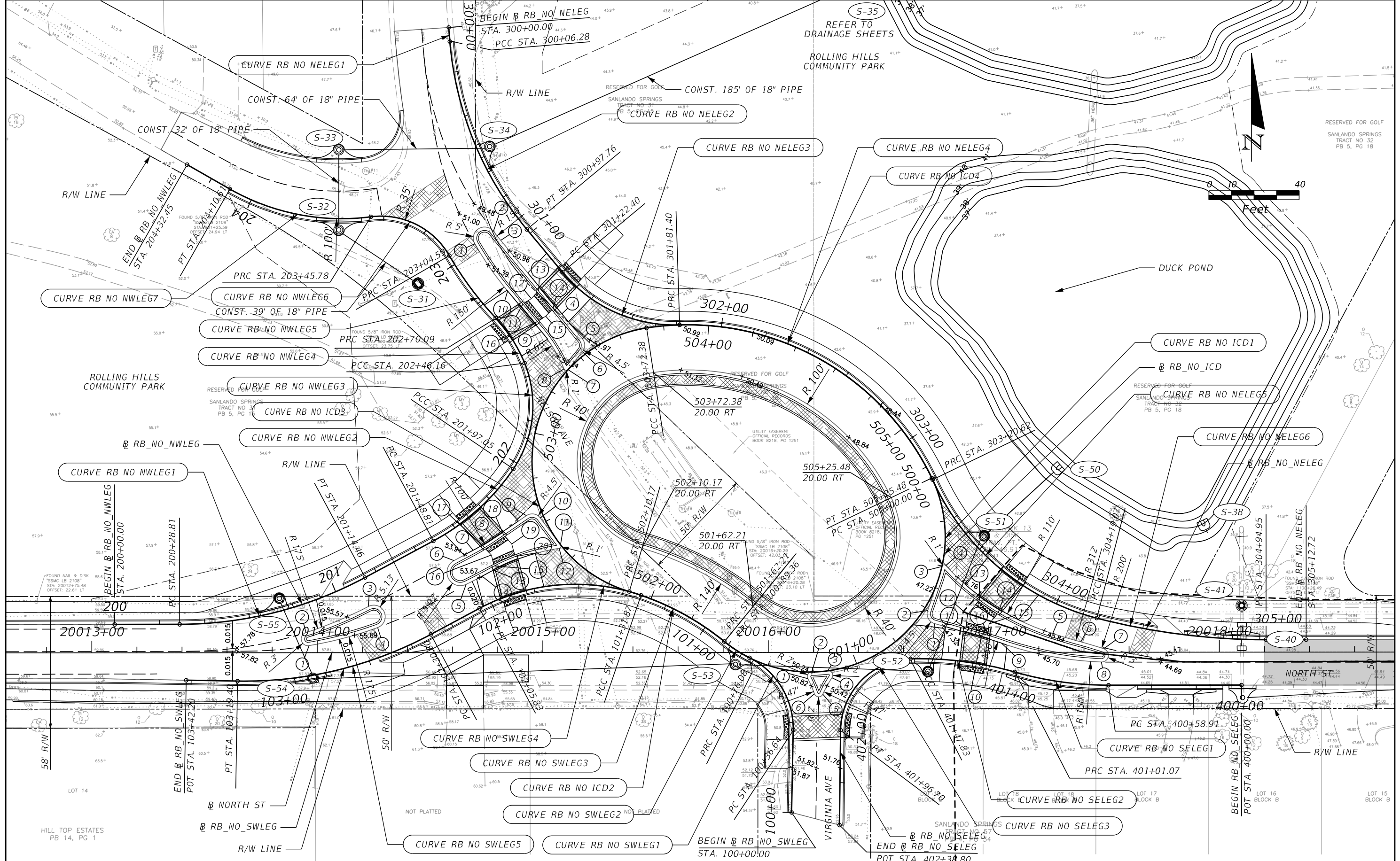
MARK W. SUAREZ, P.E. LICENSE NO. 76977
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR.
 COUNTY CIP No.: 01907084

INTERSECTION DETAIL (1)
 RAYMOND AVE / BARTON ST

SHEET NO.
 70



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

INTERSECTION DETAIL (2)
NORTH ST / VIRGINIA AVE

SHEET NO. 71

B RB NO SWLEG

CURVE DATA RB_NO_SWLEG1
PI STA. = 100+58.75
Δ = 64° 33' 50" (LT)
D = 163° 42' 08"
T = 22.11
L = 39.44
R = 35.00
PC STA. = 100+36.64
PT STA. = 100+76.08

CURVE DATA RB_NO_SWLEG2
PI STA. = 100+82.75
Δ = 12° 41' 12" (RT)
D = 95° 29' 35"
T = 6.67
L = 13.29
R = 60.00
PC STA. = 100+76.08
PT STA. = 100+89.36

CURVE DATA RB_NO_SWLEG3
PI STA. = 101+10.84
Δ = 20° 17' 47" (LT)
D = 47° 44' 47"
T = 21.48
L = 42.51
R = 120.00
PC STA. = 100+89.36
PT STA. = 101+31.87

CURVE DATA RB_NO_SWLEG4
PI STA. = 101+71.08
Δ = 47° 05' 02" (LT)
D = 63° 39' 43"
T = 39.21
L = 73.96
R = 90.00
PC STA. = 101+31.87
PT STA. = 102+05.83

CURVE DATA RB_NO_SWLEG5
PI STA. = 102+75.84
Δ = 29° 10' 23" (RT)
D = 32° 44' 26"
T = 45.54
L = 89.10
R = 175.00
PC STA. = 102+30.30
PT STA. = 103+19.40

B RB NO NWLEG

CURVE DATA RB_NO_NWLEG1
PI STA. = 200+72.51
Δ = 28° 02' 26" (LT)
D = 32° 44' 26"
T = 43.70
L = 85.64
R = 175.00
PC STA. = 200+28.81
PT STA. = 201+14.46

CURVE DATA RB_NO_NWLEG2
PI STA. = 201+73.41
Δ = 27° 38' 16" (LT)
D = 57° 17' 45"
T = 24.60
L = 48.24
R = 100.00
PC STA. = 201+48.81
PT STA. = 201+97.05

CURVE DATA RB_NO_NWLEG3
PI STA. = 202+73.79
Δ = 56° 16' 17" (LT)
D = 114° 35' 30"
T = 26.74
L = 49.11
R = 50.00
PC STA. = 201+97.05
PT STA. = 202+46.16

CURVE DATA RB_NO_NWLEG4
PI STA. = 202+58.26
Δ = 21° 05' 37" (LT)
D = 88° 08' 50"
T = 12.10
L = 23.93
R = 65.00
PC STA. = 202+46.16
PT STA. = 202+70.09

CURVE DATA RB_NO_NWLEG5
PI STA. = 202+87.42
Δ = 13° 10' 52" (RT)
D = 38° 11' 50"
T = 17.33
L = 34.51
R = 150.00
PC STA. = 202+70.09
PT STA. = 203+04.59

CURVE DATA RB_NO_NWLEG6
PI STA. = 203+27.94
Δ = 67° 25' 09" (LT)
D = 163° 42' 08"
T = 23.35
L = 41.18
R = 35.00
PC STA. = 203+04.59
PT STA. = 203+45.78

CURVE DATA RB_NO_NWLEG7
PI STA. = 203+79.38
Δ = 37° 08' 42" (RT)
D = 57° 17' 45"
T = 33.60
L = 64.83
R = 100.00
PC STA. = 203+45.78
PT STA. = 204+10.61

B RB NO NELEG

CURVE DATA RB_NO_NELEG1
PI STA. = 300+03.14
Δ = 0° 50' 38" (LT)
D = 13° 26' 59"
T = 3.14
L = 6.28
R = 426.00
PC STA. = 300+00.00
PT STA. = 300+06.28

CURVE DATA RB_NO_NELEG2
PI STA. = 300+53.49
Δ = 34° 56' 46" (LT)
D = 38° 11' 50"
T = 47.22
L = 91.49
R = 150.00
PC STA. = 300+06.28
PT STA. = 300+97.76

CURVE DATA RB_NO_NELEG3
PI STA. = 301+54.11
Δ = 52° 00' 34" (LT)
D = 88° 08' 50"
T = 31.71
L = 59.00
R = 65.00
PC STA. = 301+22.40
PT STA. = 301+81.40

CURVE DATA RB_NO_NELEG4
PI STA. = 302+60.04
Δ = 66° 28' 17" (RT)
D = 47° 44' 47"
T = 78.63
L = 139.22
R = 120.00
PC STA. = 301+81.40
PT STA. = 303+20.62

CURVE DATA RB_NO_NELEG5
PI STA. = 303+73.42
Δ = 51° 16' 47" (LT)
D = 52° 05' 13"
T = 52.80
L = 98.45
R = 110.00
PC STA. = 303+20.62
PT STA. = 304+19.07

CURVE DATA RB_NO_NELEG6
PI STA. = 304+57.21
Δ = 14° 29' 29" (LT)
D = 19° 05' 55"
T = 38.14
L = 75.88
R = 300.00
PC STA. = 304+19.07
PT STA. = 304+94.95

B RB NO SELEG

CURVE DATA RB_NO_SELEG1
PI STA. = 400+80.13
Δ = 16° 06' 08" (RT)
D = 38° 11' 50"
T = 21.22
L = 42.16
R = 150.00
PC STA. = 400+58.91
PT STA. = 401+01.07

CURVE DATA RB_NO_SELEG2
PI STA. = 401+24.64
Δ = 17° 51' 38" (LT)
D = 38° 11' 50"
T = 23.57
L = 46.76
R = 150.00
PC STA. = 401+01.07
PT STA. = 401+47.83

CURVE DATA RB_NO_SELEG3
PI STA. = 401+78.47
Δ = 87° 30' 45" (LT)
D = 179° 02' 58"
T = 30.64
L = 48.88
R = 32.00
PC STA. = 401+47.83
PT STA. = 401+96.70


B RB NO ICD

CURVE DATA RB_NO_ICD1
PI STA. = 502+69.52
Δ = 154° 53' 58" (RT)
D = 95° 29' 35"
T = 269.52
L = 162.21
R = 60.00
PC STA. = 500+00.00
PT STA. = 501+62.21

CURVE DATA RB_NO_ICD2
PI STA. = 501+86.52
Δ = 22° 53' 59" (LT)
D = 47° 44' 47"
T = 24.30
L = 47.96
R = 120.00
PC STA. = 501+62.21
PT STA. = 502+10.17

CURVE DATA RB_NO_ICD3
PI STA. = 504+79.69
Δ = 154° 53' 58" (RT)
D = 95° 29' 35"
T = 269.52
L = 162.21
R = 60.00
PC STA. = 502+10.17
PT STA. = 503+72.38

CURVE DATA RB_NO_ICD4
PI STA. = 504+61.34
Δ = 73° 06' 02" (RT)
D = 47° 44' 47"
T = 88.96
L = 153.10
R = 120.00
PC STA. = 503+72.38
PT STA. = 505+25.48

REVISIONS				MARK W. SUAREZ, P.E. LICENSE NO. 76977  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. 72
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084		

SPLITTER ISLAND DEFINITIONS

WEST LEG SPLITTER ISLAND
BASED ON CHAIN RB_NO_SWLEG

- ① STA. 102+85.19
13.19' RT
- ② STA. 102+85.60
19.17' RT
- ③ STA. 102+51.70
22.87' RT
- ④ STA. 102+51.20
12.65' RT
- ⑤ STA. 102+05.99
12.16' RT
- ⑥ STA. 102+05.77
24.00' RT
- ⑦ STA. 101+98.22
24.41' RT
- ⑧ STA. 101+90.18
26.30' RT
- ⑨ STA. 101+77.57
32.39' RT
- ⑩ STA. 101+73.20
30.45' RT
- ⑪ STA. 101+67.03
17.72' RT
- ⑫ STA. 101+67.66
16.16' RT
- ⑬ STA. 101+94.06
12.88' RT
- ⑭ STA. 101+98.99
12.30' RT
- ⑮ STA. 101+93.16
14.53' RT
- ⑯ STA. 101+92.77
19.50' RT
- ⑰ STA. 101+94.12
23.59' RT
- ⑱ STA. 101+86.45
26.22' RT
- ⑲ STA. 101+84.54
21.53' RT
- ⑳ STA. 101+84.54
15.74' RT

NORTH LEG SPLITTER ISLAND
BASED ON CHAIN RB_NO_NWLEG

- ① STA. 203+03.41
12.36' RT
- ② STA. 203+04.06
22.31' RT
- ③ STA. 202+98.10
22.97' RT
- ④ STA. 202+56.35
24.65' RT
- ⑤ STA. 202+46.40
27.80' RT
- ⑥ STA. 202+42.90
25.83' RT
- ⑦ STA. 202+38.77
17.53' RT
- ⑧ STA. 202+39.33
15.86' RT
- ⑨ STA. 202+54.67
12.84' RT
- ⑩ STA. 202+75.61
11.96' RT
- ⑪ STA. 202+66.94
13.12' RT
- ⑫ STA. 202+66.49
17.51' RT
- ⑬ STA. 202+66.87
22.12' RT
- ⑭ STA. 202+59.38
22.60' RT
- ⑮ STA. 202+58.60
18.06' RT

EAST LEG SPLITTER ISLAND
BASED ON CHAIN RB_NO_NELEG

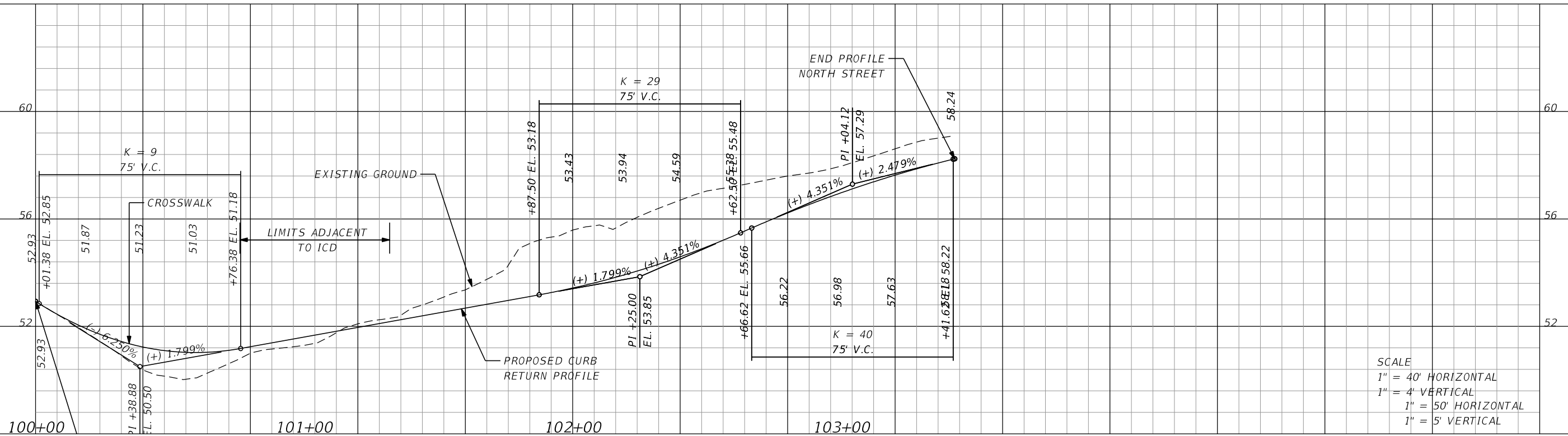
- ① STA. 303+65.48
37.52' RT
- ② STA. 303+60.83
35.42' RT
- ③ STA. 303+52.83
17.49' RT
- ④ STA. 303+53.51
15.90' RT
- ⑤ STA. 304+03.60
12.74' RT
- ⑥ STA. 304+15.27
12.04' RT
- ⑦ STA. 304+25.21
12.46' RT
- ⑧ STA. 304+25.52
18.39' RT
- ⑨ STA. 303+87.97
26.75' RT
- ⑩ STA. 303+80.77
29.18' RT
- ⑪ STA. 303+74.77
30.39' RT
- ⑫ STA. 303+72.15
25.02' RT
- ⑬ STA. 303+72.16
16.63' RT
- ⑭ STA. 303+80.89
16.09' RT
- ⑮ STA. 303+80.46
22.52' RT
- ⑯ STA. 303+82.33
26.97' RT

SOUTH LEG SPLITTER ISLAND
BASED ON CHAIN RB_NO_SELEG

- ① STA. 401+82.26
20.02' RT
- ② STA. 401+80.16
19.89' RT
- ③ STA. 401+77.38
14.23' RT
- ④ STA. 401+78.46
10.90' RT
- ⑤ STA. 401+84.64
11.11' RT
- ⑥ STA. 401+85.50
14.63' RT

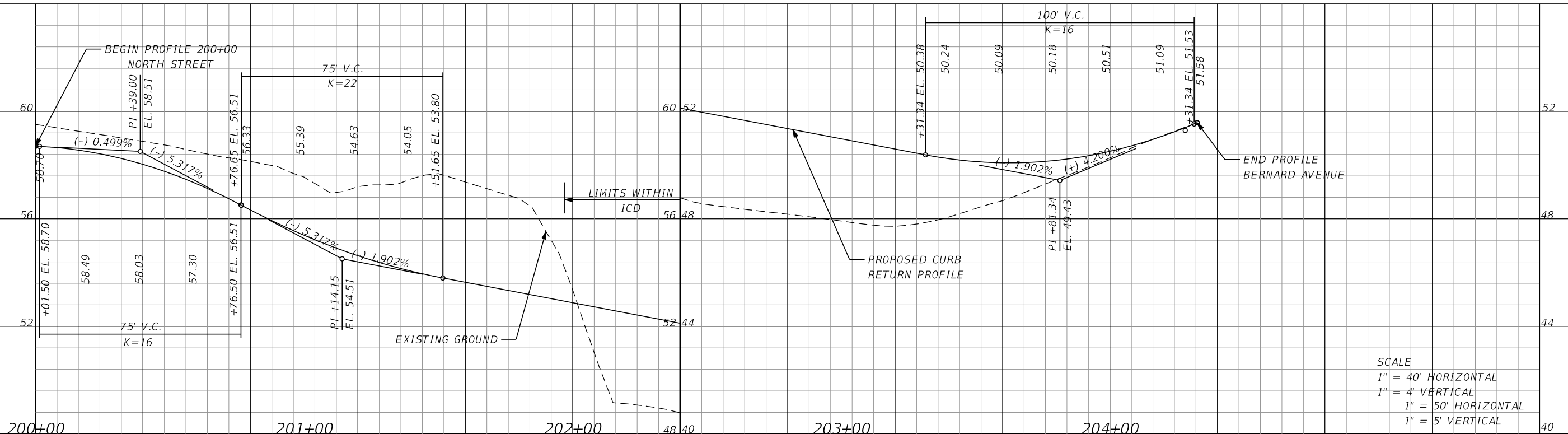
REVISIONS				MARK W. SUAREZ, P.E. LICENSE NO. 76977 315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242	SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1		INTERSECTION DETAIL (2) NORTH ST / VIRGINIA AVE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		73

RB NO SWLEG



SCALE
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

RB NO NWLEG



SCALE
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

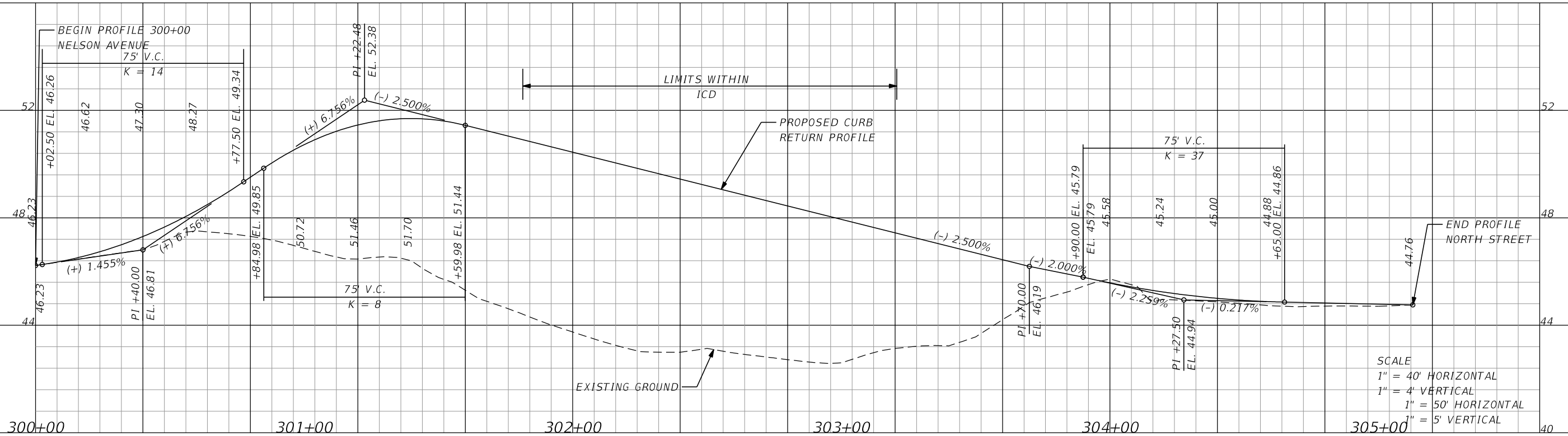


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

INTERSECTION DETAIL (2)
NORTH ST / VIRGINIA AVE

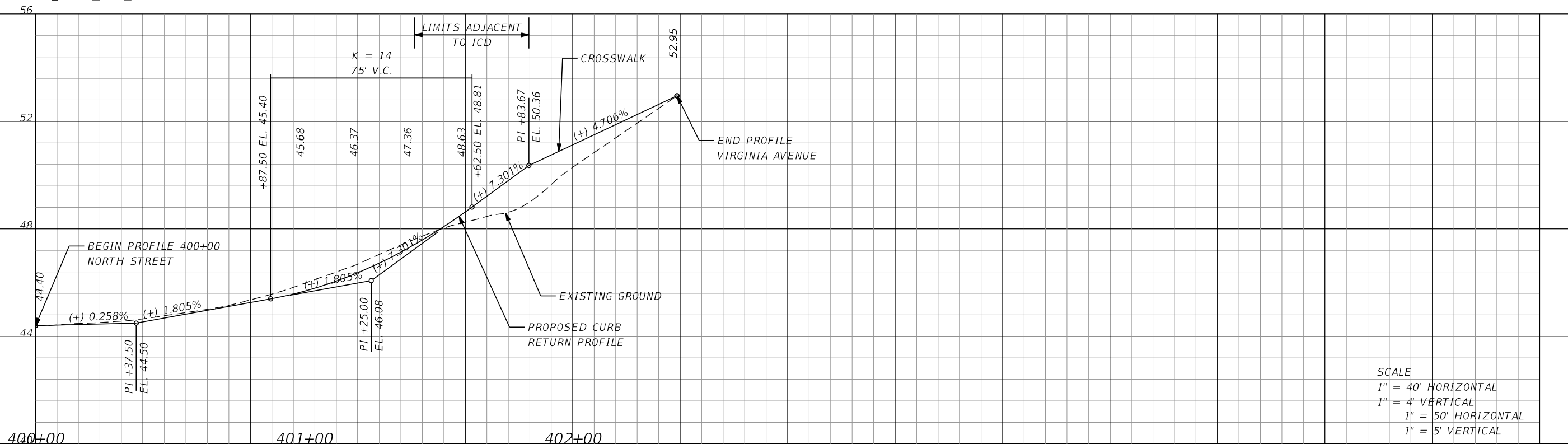
SHEET NO.
74

B RB_NO_NELEG



SCALE
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

B RB_NO_SELEG



SCALE
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
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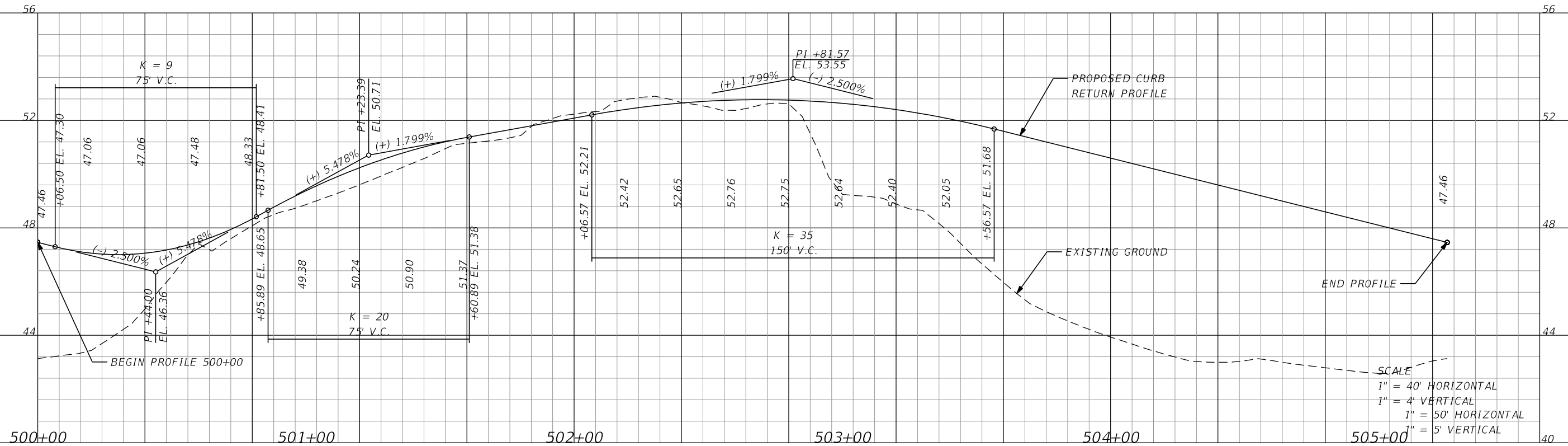
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

INTERSECTION DETAIL (2)
NORTH ST / VIRGINIA AVE

SHEET NO.
75

B RB NO ICD



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
315 E. ROBINSON ST.
SUITE 400
ORLANDO, FL 32801
PHONE 407.420.4200
FAX 407.420.4242

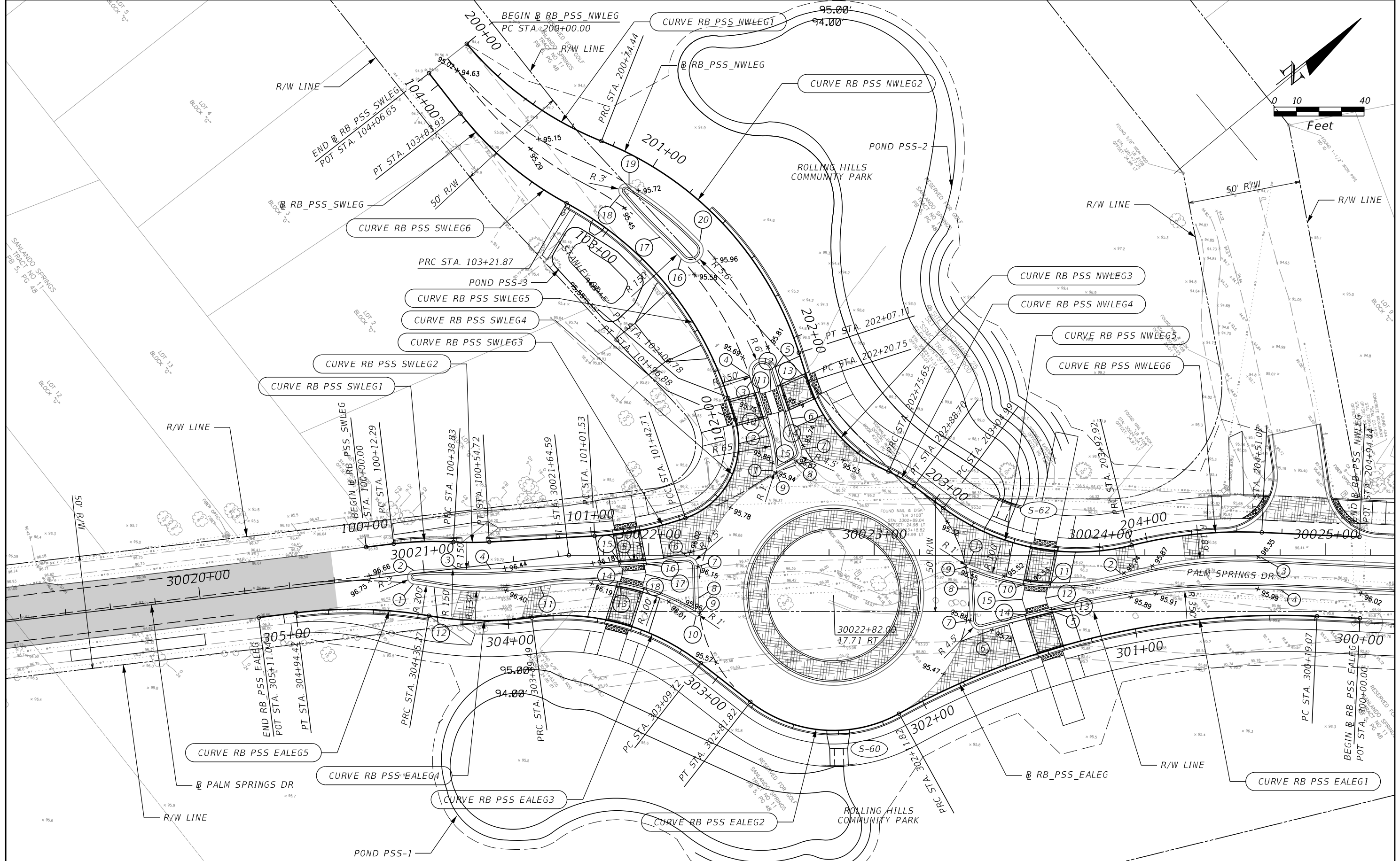


SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

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

INTERSECTION DETAIL (2)
NORTH ST / VIRGINIA AVE

SHEET NO.
76



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

INTERSECTION DETAIL (3)
PALM SPRINGS DR /
STANLEY ST

SHEET NO.
77

RB PSS SWLEG

CURVE DATA RB PSS SWLEG1
 PI STA. = 100+25.60
 Δ = 10° 08' 09" (RT)
 D = 38° 11' 50"
 T = 13.30
 L = 26.54
 R = 150.00
 PC STA. = 100+12.29
 PT STA. = 100+38.83

CURVE DATA RB PSS SWLEG2
 PI STA. = 100+46.78
 Δ = 6° 35' 44" (LT)
 D = 41° 31' 07"
 T = 7.95
 L = 15.89
 R = 138.00
 PC STA. = 100+38.83
 PT STA. = 100+54.72

CURVE DATA RB PSS SWLEG3
 PI STA. = 101+22.25
 Δ = 15° 43' 44" (LT)
 D = 38° 11' 50"
 T = 20.72
 L = 41.18
 R = 150.00
 PC STA. = 101+01.53
 PT STA. = 101+42.71

CURVE DATA RB PSS SWLEG4
 PI STA. = 101+76.91
 Δ = 88° 40' 34" (LT)
 D = 163° 42' 08"
 T = 34.20
 L = 54.17
 R = 35.00
 PC STA. = 101+42.71
 PT STA. = 101+96.88

CURVE DATA RB PSS SWLEG5
 PI STA. = 102+67.32
 Δ = 43° 57' 43" (LT)
 D = 38° 11' 50"
 T = 60.55
 L = 115.09
 R = 150.00
 PC STA. = 102+06.78
 PT STA. = 103+21.87

CURVE DATA RB PSS SWLEG6
 PI STA. = 103+53.35
 Δ = 23° 42' 14" (RT)
 D = 38° 11' 50"
 T = 31.48
 L = 62.06
 R = 150.00
 PC STA. = 103+21.87
 PT STA. = 103+83.93

RB PSS NWLEG

CURVE DATA RB PSS NWLEG1
 PI STA. = 200+38.00
 Δ = 28° 25' 59" (LT)
 D = 38° 11' 50"
 T = 38.00
 L = 74.44
 R = 150.00
 PC STA. = 200+00.00
 PT STA. = 200+74.44

CURVE DATA RB PSS NWLEG2
 PI STA. = 201+45.47
 Δ = 50° 40' 42" (RT)
 D = 38° 11' 50"
 T = 71.03
 L = 132.68
 R = 150.00
 PC STA. = 200+74.44
 PT STA. = 202+07.11

CURVE DATA RB PSS NWLEG3
 PI STA. = 202+49.96
 Δ = 48° 23' 40" (LT)
 D = 88° 08' 50"
 T = 29.21
 L = 54.90
 R = 65.00
 PC STA. = 202+20.75
 PT STA. = 202+75.65

CURVE DATA RB PSS NWLEG4
 PI STA. = 202+82.20
 Δ = 12° 27' 34" (RT)
 D = 95° 29' 35"
 T = 6.55
 L = 13.05
 R = 60.00
 PC STA. = 202+75.65
 PT STA. = 202+88.70

CURVE DATA RB PSS NWLEG5
 PI STA. = 203+52.03
 Δ = 50° 23' 01" (LT)
 D = 57° 17' 45"
 T = 47.04
 L = 87.94
 R = 100.00
 PC STA. = 203+04.99
 PT STA. = 203+92.92

CURVE DATA RB PSS NWLEG6
 PI STA. = 204+22.21
 Δ = 16° 39' 30" (RT)
 D = 28° 38' 52"
 T = 29.28
 L = 58.15
 R = 200.00
 PC STA. = 203+92.92
 PT STA. = 204+51.07

RB PSS EALEG

CURVE DATA RB PSS EALEG1
 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

CURVE DATA RB PSS EALEG2
 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

CURVE DATA RB PSS EALEG3
 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

CURVE DATA RB PSS EALEG4
 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

CURVE DATA RB PSS EALEG5
 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

REVISIONS				MARK W. SUAREZ, P.E. LICENSE NO. 76977 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		INTERSECTION DETAIL (3) PALM SPRINGS DR / STANLEY ST	SHEET NO. 78
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084		

SPLITTER ISLAND DEFINITIONS

SOUTH LEG SPLITTER ISLAND
BASED ON CHAIN RB_PSS_SWLEG

- ① STA. 100+19.84
18.55' RT
- ② STA. 100+20.38
12.60' RT
- ③ STA. 100+41.42
12.00' RT
- ④ STA. 100+54.72
12.00' RT
- ⑤ STA. 101+15.91
12.75' RT
- ⑥ STA. 101+38.14
16.46' RT
- ⑦ STA. 101+41.04
22.12' RT
- ⑧ STA. 101+37.71
35.54' RT
- ⑨ STA. 101+36.55
42.23' RT
- ⑩ STA. 101+35.21
42.76' RT
- ⑪ STA. 100+76.02
21.04' RT
- ⑫ STA. 100+30.20
20.20' RT
- ⑬ STA. 101+10.11
21.90' RT
- ⑭ STA. 101+11.87
17.49' RT
- ⑮ STA. 101+11.67
13.87' RT
- ⑯ STA. 101+20.83
14.78' RT
- ⑰ STA. 101+20.83
19.69' RT
- ⑱ STA. 101+18.19
25.50' RT

WEST LEG SPLITTER ISLAND
BASED ON CHAIN RB_PSS_NWLEG

- ① STA. 202+42.89
32.49' RT
- ② STA. 202+30.48
25.01' RT
- ③ STA. 202+12.78
24.00' RT
- ④ STA. 202+10.32
24.02' RT
- ⑤ STA. 202+10.15
12.01' RT
- ⑥ STA. 202+31.79
13.12' RT
- ⑦ STA. 202+43.03
16.85' RT
- ⑧ STA. 202+45.21
21.81' RT
- ⑨ STA. 202+43.96
31.85' RT
- ⑩ STA. 202+27.05
22.91' RT
- ⑪ STA. 202+19.25
22.50' RT
- ⑫ STA. 202+19.54
16.99' RT
- ⑬ STA. 202+19.16
13.50' RT
- ⑭ STA. 202+27.74
13.96' RT
- ⑮ STA. 202+27.74
17.19' RT
- ⑯ STA. 201+38.46
24.13' RT
- ⑰ STA. 201+22.63
23.53' RT
- ⑱ STA. 200+93.33
17.98' RT
- ⑲ STA. 200+94.67
12.19' RT
- ⑳ STA. 201+38.73
12.93' RT

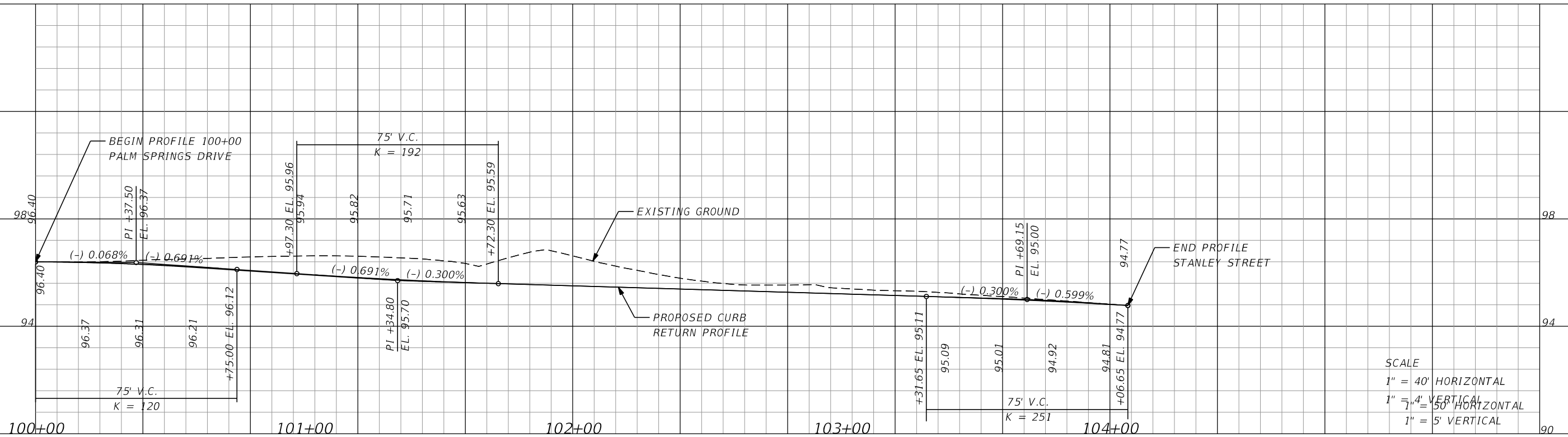
NORTH LEG SPLITTER ISLAND
BASED ON CHAIN RB_PSS_EALEG

- ① STA. 301+59.51
47.34' RT
- ② STA. 301+01.47
25.12' RT
- ③ STA. 300+43.46
25.91' RT
- ④ STA. 300+35.21
11.38' RT
- ⑤ STA. 301+32.56
15.52' RT
- ⑥ STA. 301+63.62
18.11' RT
- ⑦ STA. 301+67.10
24.01' RT
- ⑧ STA. 301+63.01
37.28' RT
- ⑨ STA. 301+60.99
46.77' RT
- ⑩ STA. 301+40.74
31.14' RT
- ⑪ STA. 301+32.13
27.38' RT
- ⑫ STA. 301+34.48
22.53' RT
- ⑬ STA. 301+34.36
17.09' RT
- ⑭ STA. 301+43.86
17.63' RT
- ⑮ STA. 301+43.88
24.98' RT

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.		79
					RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084		

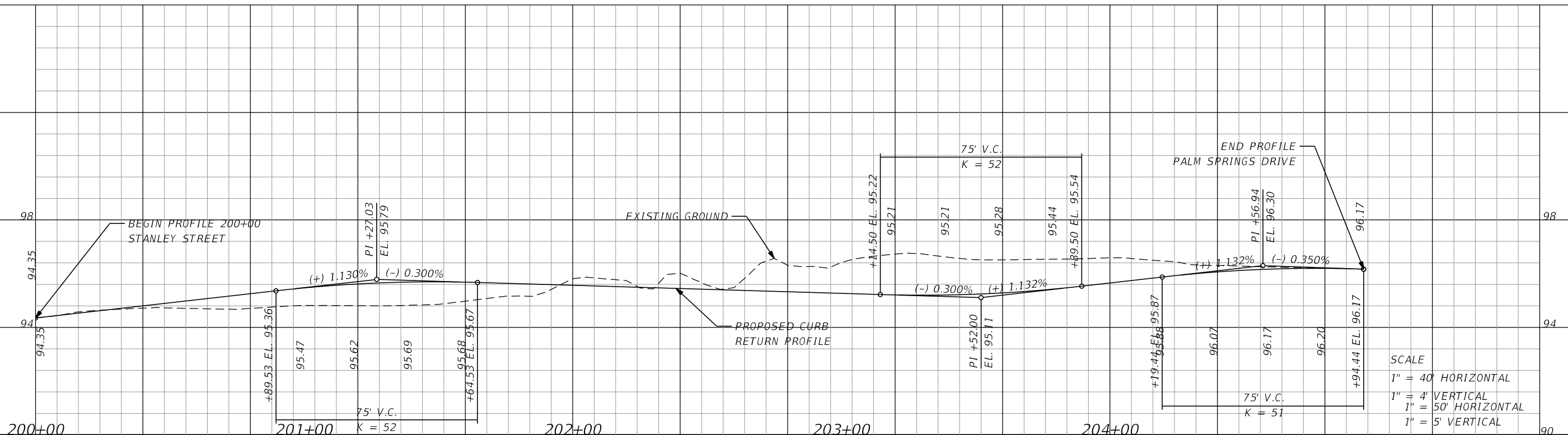
MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

RB PSS SWLEG



SCALE
 1" = 40' HORIZONTAL
 1" = 4" VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

RB PSS NWLEG



SCALE
 1" = 40' HORIZONTAL
 1" = 4" VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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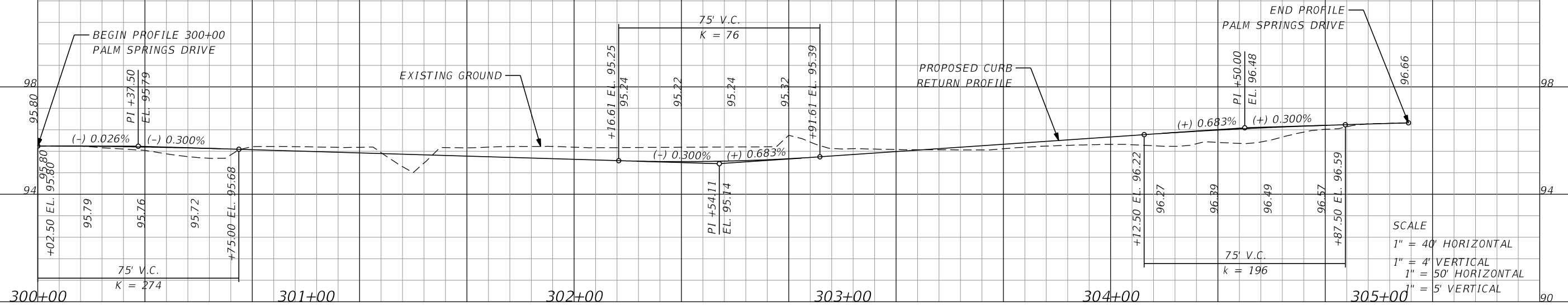


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD: RAYMOND AVE., NORTH ST., PALM SPRINGS DR.
 COUNTY CIP No.: 01907084

INTERSECTION DETAIL (3)
 PALM SPRINGS DR /
 STANLEY ST

SHEET NO.
 80

RB PSS FALEG



SCALE
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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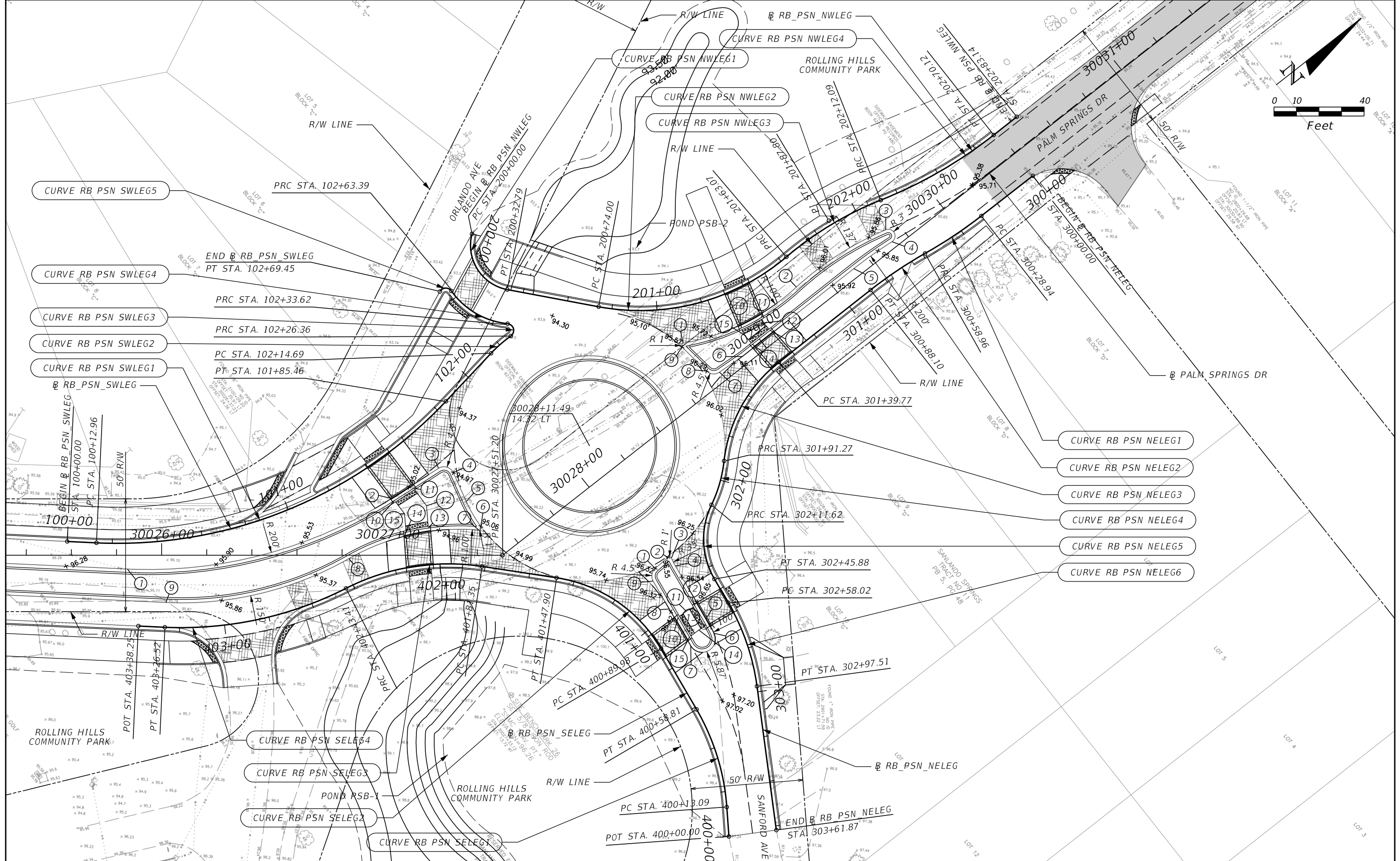


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

INTERSECTION DETAIL (3)
 PALM SPRINGS DR /
 STANLEY ST

SHEET NO.
 81



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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 (4)
PALM SPRINGS DR /
BARTON ST

SHEET NO.
82

RB PSN SWLEG

CURVE DATA RB_PSN_SWLEG1
 PI STA. = 101+04.99
 Δ = 49° 25' 02" (LT)
 D = 28° 38' 52"
 T = 92.03
 L = 172.50
 R = 200.00
 PC STA. = 100+12.96
 PT STA. = 101+85.46

CURVE DATA RB_PSN_SWLEG2
 PI STA. = 102+20.54
 Δ = 11° 09' 03" (RT)
 D = 95° 29' 35"
 T = 5.86
 L = 11.68
 R = 60.00
 PC STA. = 102+14.69
 PT STA. = 102+26.36

CURVE DATA RB_PSN_SWLEG3
 PI STA. = 102+34.29
 Δ = 138° 33' 19" (LT)
 D = 1909° 51' 33"
 T = 7.93
 L = 7.25
 R = 3.00
 PC STA. = 102+26.36
 PT STA. = 102+33.62

CURVE DATA RB_PSN_SWLEG4
 PI STA. = 102+49.47
 Δ = 48° 44' 44" (RT)
 D = 163° 42' 08"
 T = 15.86
 L = 29.78
 R = 35.00
 PC STA. = 102+33.62
 PT STA. = 102+63.39

CURVE DATA RB_PSN_SWLEG5
 PI STA. = 102+68.16
 Δ = 115° 38' 19" (LT)
 D = 1909° 51' 33"
 T = 4.77
 L = 6.05
 R = 3.00
 PC STA. = 102+63.39
 PT STA. = 102+69.45

RB PSN NWLEG

CURVE DATA RB_PSN_NWLEG1
 PI STA. = 200+21.42
 Δ = 93° 56' 24" (LT)
 D = 286° 28' 44"
 T = 21.42
 L = 32.79
 R = 20.00
 PC STA. = 200+00.00
 PT STA. = 200+32.79

CURVE DATA RB_PSN_NWLEG2
 PI STA. = 201+21.73
 Δ = 51° 01' 50" (LT)
 D = 57° 17' 45"
 T = 47.73
 L = 89.07
 R = 100.00
 PC STA. = 200+74.00
 PT STA. = 201+63.07

CURVE DATA RB_PSN_NWLEG3
 PI STA. = 201+87.80
 Δ = 18° 43' 36" (RT)
 D = 38° 11' 50"
 T = 24.73
 L = 49.03
 R = 150.00
 PC STA. = 201+63.07
 PT STA. = 202+12.09

CURVE DATA RB_PSN_NWLEG4
 PI STA. = 202+41.31
 Δ = 16° 37' 23" (LT)
 D = 28° 38' 52"
 T = 29.22
 L = 58.03
 R = 200.00
 PC STA. = 202+12.09
 PT STA. = 202+70.12

RB PSN NELEG

CURVE DATA RB_PSN_NELEG1
 PI STA. = 300+43.98
 Δ = 8° 36' 01" (RT)
 D = 28° 38' 52"
 T = 15.04
 L = 30.02
 R = 200.00
 PC STA. = 300+28.94
 PT STA. = 300+58.96

CURVE DATA RB_PSN_NELEG2
 PI STA. = 300+73.56
 Δ = 8° 52' 50" (LT)
 D = 30° 28' 35"
 T = 14.60
 L = 29.14
 R = 188.00
 PC STA. = 300+58.96
 PT STA. = 300+88.10

CURVE DATA RB_PSN_NELEG3
 PI STA. = 301+66.96
 Δ = 45° 23' 38" (LT)
 D = 88° 08' 50"
 T = 27.19
 L = 51.50
 R = 65.00
 PC STA. = 301+39.77
 PT STA. = 301+91.27

CURVE DATA RB_PSN_NELEG4
 PI STA. = 302+01.54
 Δ = 19° 25' 54" (RT)
 D = 95° 29' 35"
 T = 10.27
 L = 20.35
 R = 60.00
 PC STA. = 301+91.27
 PT STA. = 302+11.62

CURVE DATA RB_PSN_NELEG5
 PI STA. = 302+30.26
 Δ = 56° 05' 23" (LT)
 D = 163° 42' 08"
 T = 18.64
 L = 34.26
 R = 35.00
 PC STA. = 302+11.62
 PT STA. = 302+45.88

CURVE DATA RB_PSN_NELEG6
 PI STA. = 302+78.02
 Δ = 22° 37' 19" (RT)
 D = 57° 17' 45"
 T = 20.00
 L = 39.48
 R = 100.00
 PC STA. = 302+58.02
 PT STA. = 302+97.51


RB PSN SELEG

CURVE DATA RB_PSN_SELEG1
 PI STA. = 400+36.35
 Δ = 26° 11' 43" (LT)
 D = 57° 17' 45"
 T = 23.27
 L = 45.72
 R = 100.00
 PC STA. = 400+13.09
 PT STA. = 400+58.81

CURVE DATA RB_PSN_SELEG2
 PI STA. = 401+21.02
 Δ = 51° 03' 29" (LT)
 D = 88° 08' 50"
 T = 31.04
 L = 57.92
 R = 65.00
 PC STA. = 400+89.98
 PT STA. = 401+47.90

CURVE DATA RB_PSN_SELEG3
 PI STA. = 402+13.42
 Δ = 35° 33' 29" (LT)
 D = 57° 17' 45"
 T = 32.07
 L = 62.06
 R = 100.00
 PC STA. = 401+81.35
 PT STA. = 402+43.41

CURVE DATA RB_PSN_SELEG4
 PI STA. = 402+85.91
 Δ = 29° 34' 31" (RT)
 D = 35° 35' 15"
 T = 42.50
 L = 83.11
 R = 161.00
 PC STA. = 402+43.41
 PT STA. = 403+26.52

REVISIONS				MARK W. SUAREZ, P.E. LICENSE NO. 76977  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		INTERSECTION DETAIL (4) PALM SPRINGS DR / BARTON ST	SHEET NO. 83
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084		

SPLITTER ISLAND DEFINITIONS

SOUTH LEG SPLITTER ISLAND
BASED ON CHAIN RB_PSN_SWLEG

- ① STA. 100+26.47
11.48' RT
- ② STA. 101+40.96
17.29' RT
- ③ STA. 101+63.63
19.30' RT
- ④ STA. 101+66.92
25.05' RT
- ⑤ STA. 101+63.44
38.45' RT
- ⑥ STA. 101+61.66
51.08' RT
- ⑦ STA. 101+60.30
51.74' RT
- ⑧ STA. 101+14.37
30.89' RT
- ⑨ STA. 100+41.25
27.27' RT
- ⑩ STA. 101+41.54
18.81' RT
- ⑪ STA. 101+50.68
19.31' RT
- ⑫ STA. 101+50.68
28.93' RT
- ⑬ STA. 101+46.18
37.40' RT
- ⑭ STA. 101+38.34
33.38' RT
- ⑮ STA. 101+41.84
26.24' RT

NORTH LEG SPLITTER ISLAND
BASED ON CHAIN RB_PSN_NWLEG

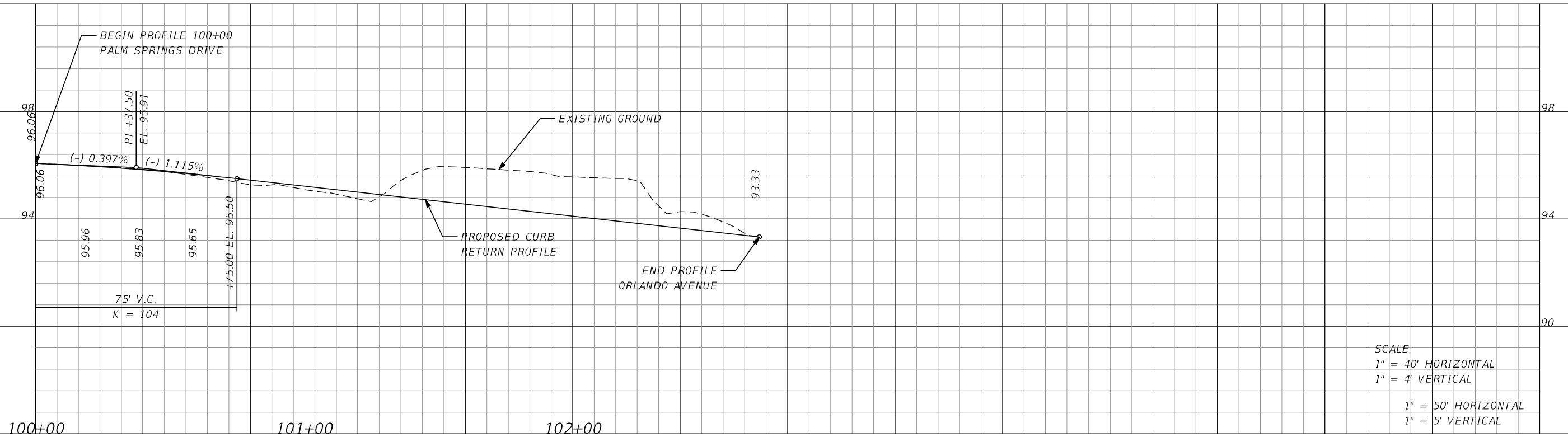
- ① STA. 201+09.02
16.03' RT
- ② STA. 201+58.37
13.23' RT
- ③ STA. 202+09.03
13.00' RT
- ④ STA. 202+09.60
18.96' RT
- ⑤ STA. 201+85.82
21.90' RT
- ⑥ STA. 201+28.55
28.60' RT
- ⑦ STA. 201+19.48
32.07' RT
- ⑧ STA. 201+15.38
30.19' RT
- ⑨ STA. 201+08.35
17.64' RT
- ⑩ STA. 201+31.99
16.75' RT
- ⑪ STA. 201+40.61
16.22' RT
- ⑫ STA. 201+40.42
18.79' RT
- ⑬ STA. 201+41.29
23.06' RT
- ⑭ STA. 201+33.41
25.24' RT
- ⑮ STA. 201+31.99
20.03' RT

EAST LEG SPLITTER ISLAND
BASED ON CHAIN RB_PSN_NELEG

- ① STA. 302+35.28
22.90' RT
- ② STA. 302+32.87
16.48' RT
- ③ STA. 302+33.28
14.98' RT
- ④ STA. 302+35.98
13.95' RT
- ⑤ STA. 302+59.38
11.99' RT
- ⑥ STA. 302+67.77
11.85' RT
- ⑦ STA. 302+68.70
23.56' RT
- ⑧ STA. 302+47.30
24.00' RT
- ⑨ STA. 302+38.34
25.30' RT
- ⑩ STA. 302+52.46
22.50' RT
- ⑪ STA. 302+51.96
17.94' RT
- ⑫ STA. 302+51.96
13.50' RT
- ⑬ STA. 302+62.57
13.45' RT
- ⑭ STA. 302+62.78
17.30' RT
- ⑮ STA. 302+63.82
22.37' RT

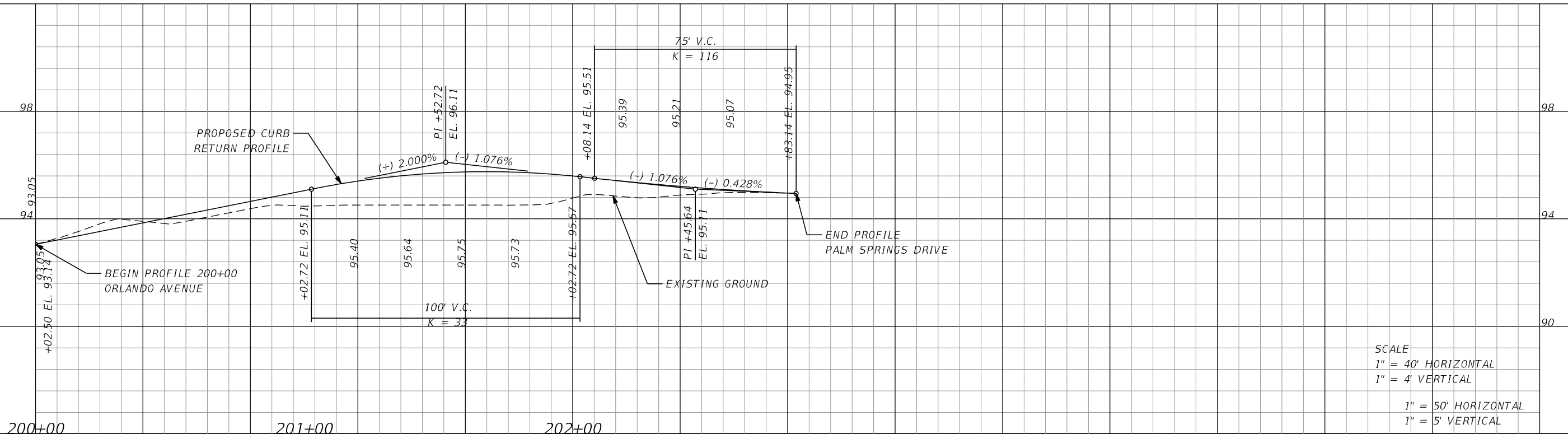
REVISIONS					<small>MARK W. SUAREZ, P.E. LICENSE NO. 76977</small> <small>315 E. ROBINSON ST. SUITE 400</small> <small>ORLANDO, FL 32801</small> <small>PHONE 407.420.4200</small> <small>FAX 407.420.4242</small>		<small>SEMINOLE COUNTY</small> <small>ENGINEERING DIVISION</small> <small>ROLLING HILLS AREA ROADWAYS PHASE 1</small>		INTERSECTION DETAIL (4) PALM SPRINGS DR / BARTON ST	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.	84			
					RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084				

RB PSN SWLEG



SCALE
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

RB PSN NWLEG



SCALE
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
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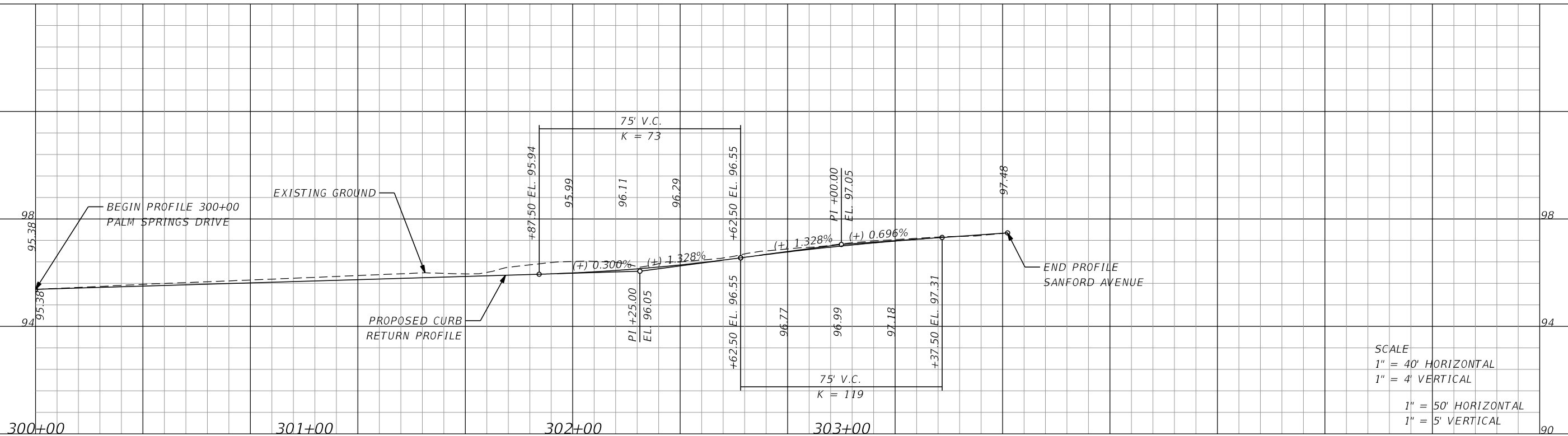


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

INTERSECTION DETAIL (4)
 PALM SPRINGS DR /
 BARTON ST

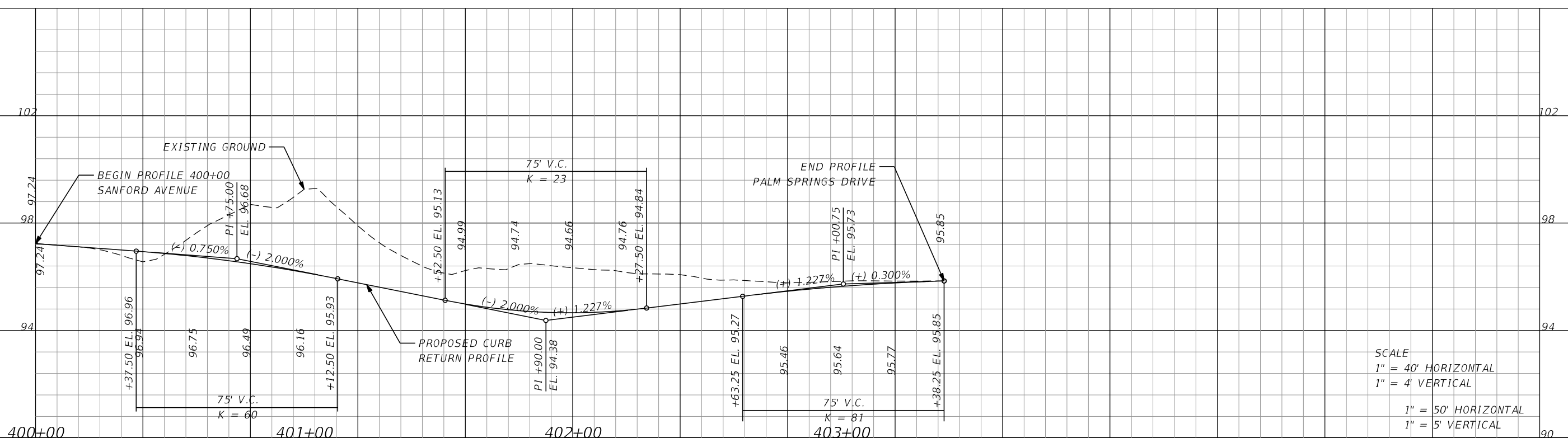
SHEET NO.
 85

RB PSN NELEG



SCALE
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

RB PSN SELEG



SCALE
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
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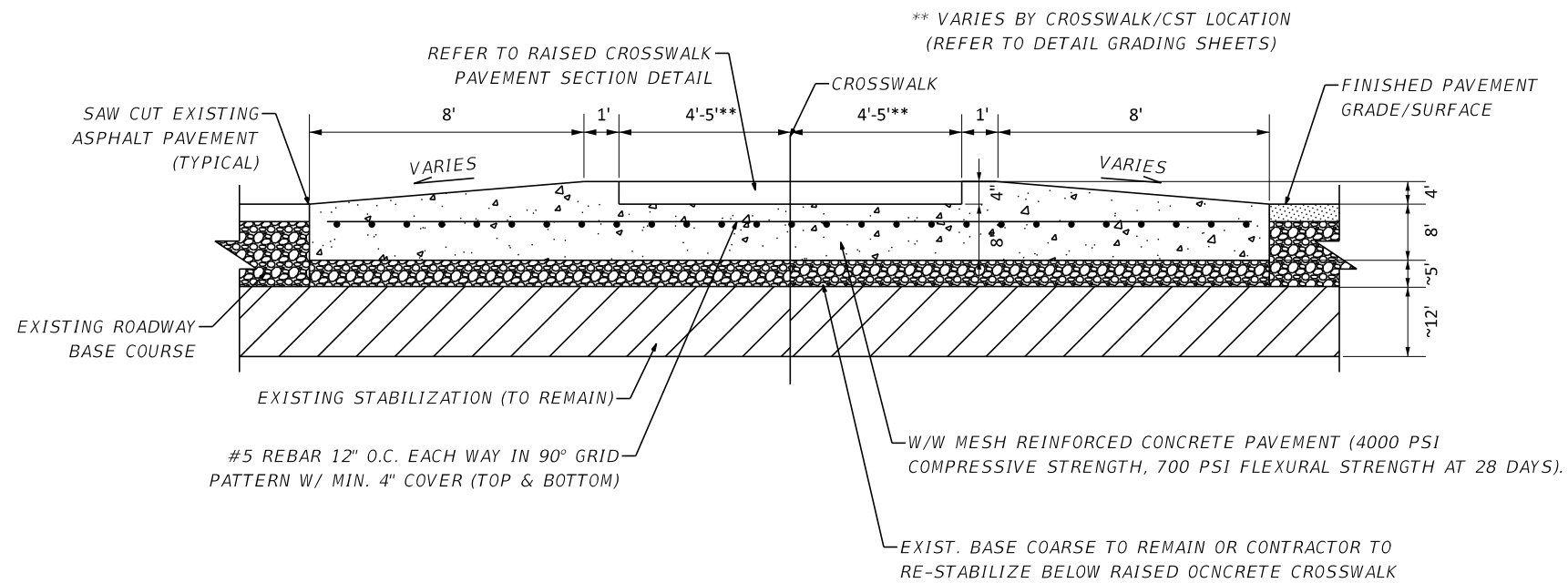


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

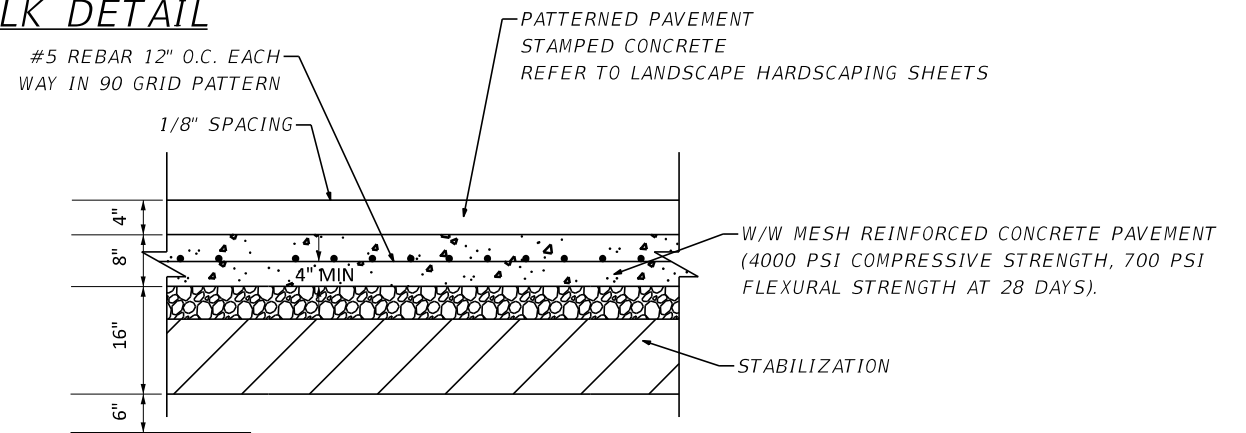
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

INTERSECTION DETAIL (4)
PALM SPRINGS DR /
BARTON ST

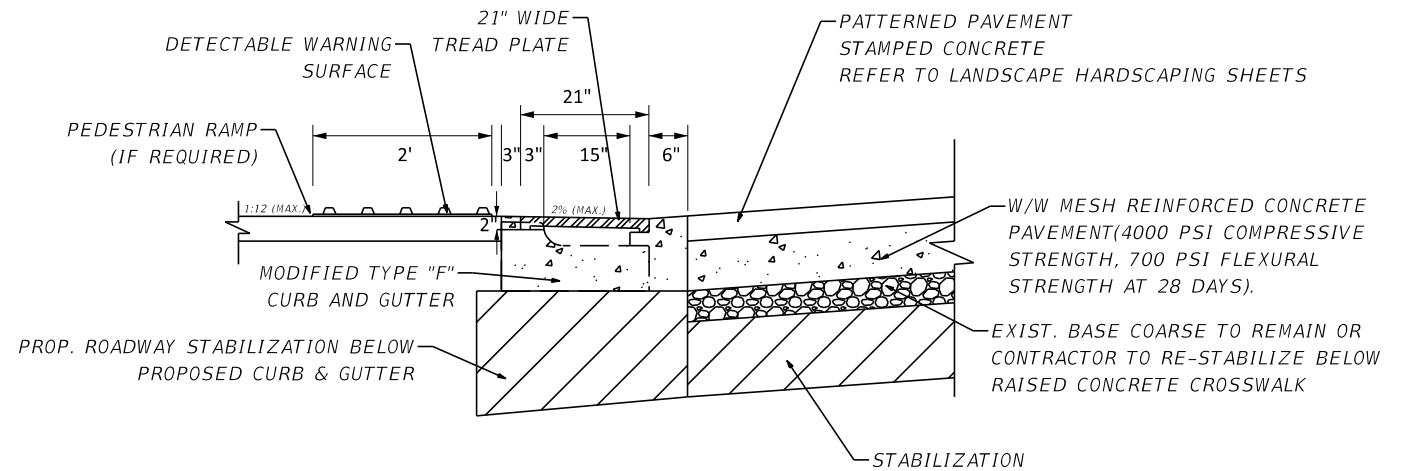
SHEET NO.
 86



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 STANDARDS OF THE MUTCD AND FDOT.
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 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 SPECIICALLY 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

REVISIONS			
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 SUITE 400
 ORLANDO, FL 32801
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 FAX 407.420.4242



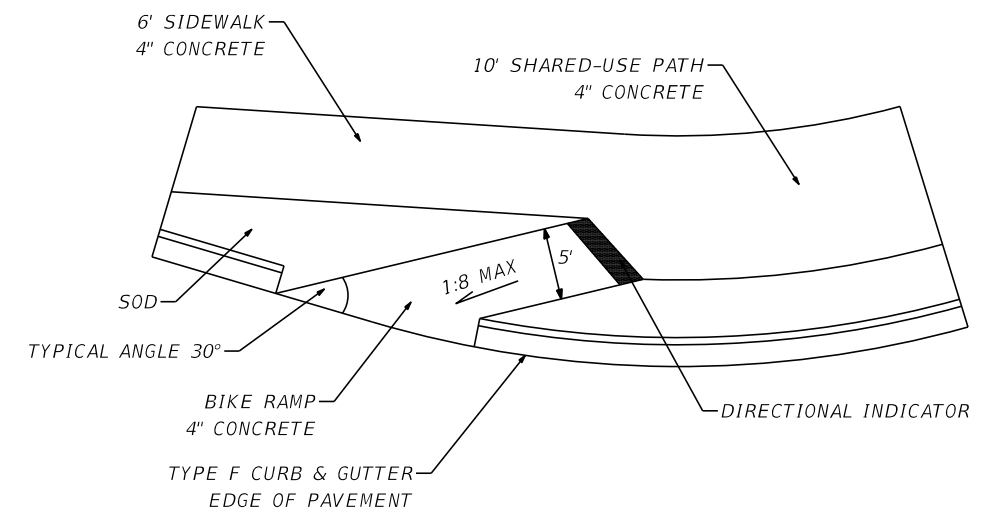
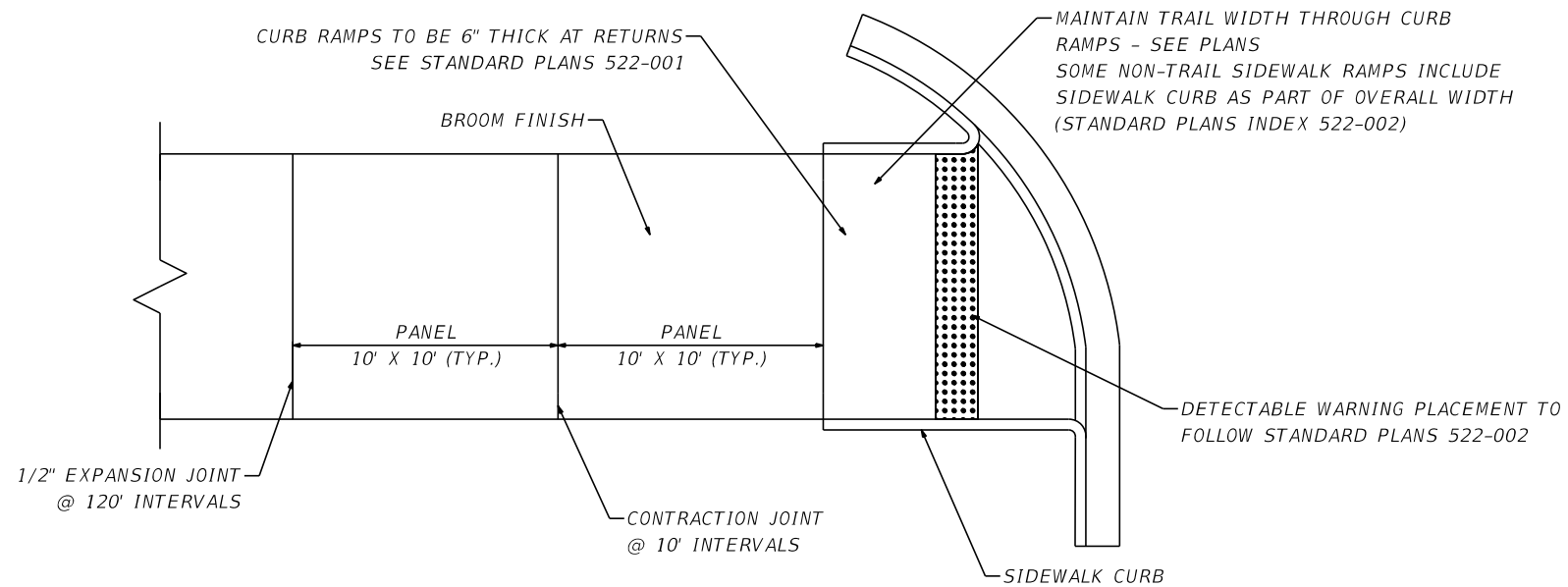
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

SPECIAL DETAILS

SHEET NO.

87



CONCRETE TRAIL SURFACE AND RAMPS DETAIL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

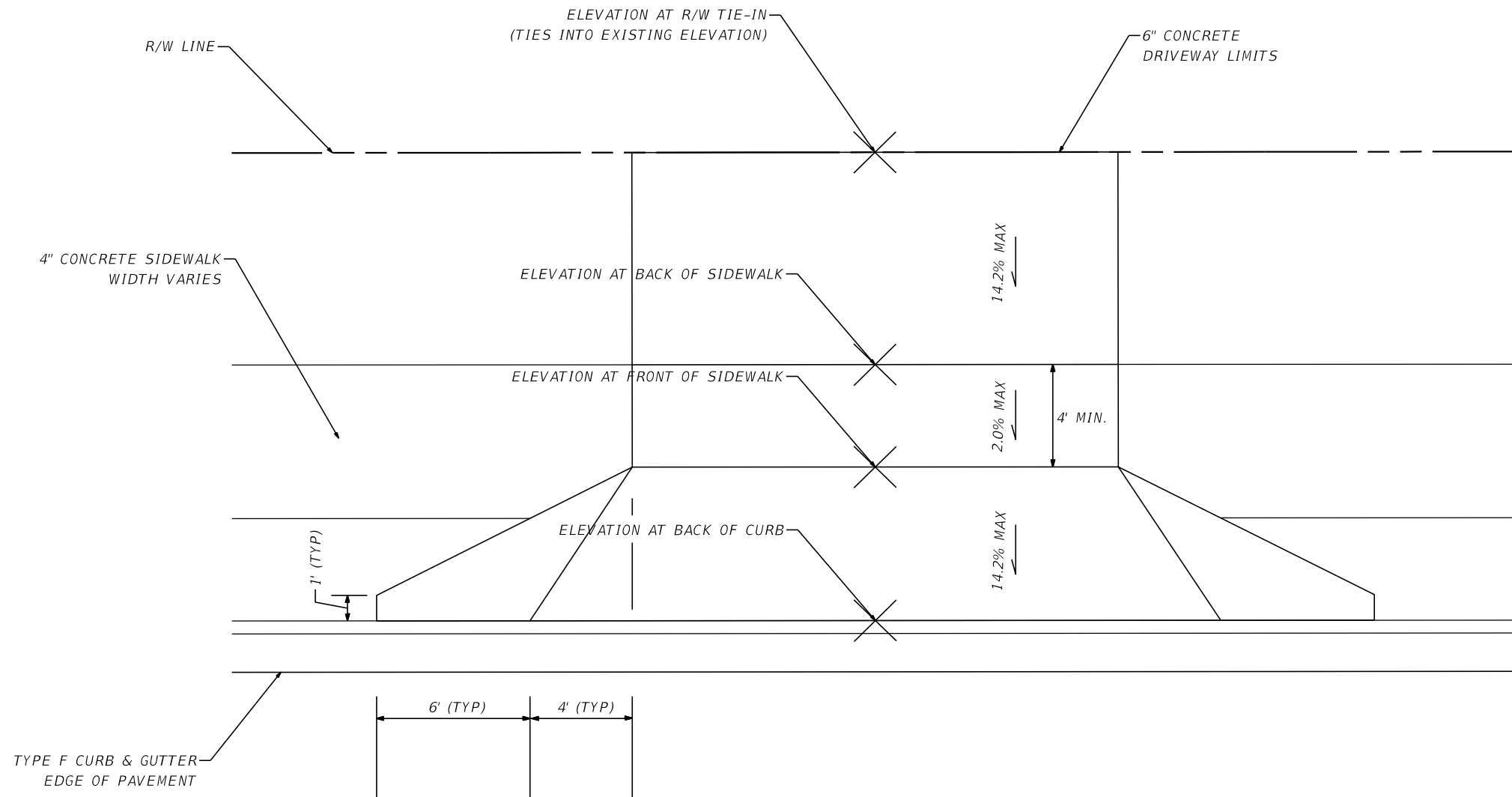


SEMINOLE COUNTY ENGINEERING DIVISION ROLLING HILLS AREA ROADWAYS PHASE 1	
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

SPECIAL DETAILS

SHEET
NO.

88



DRIVEWAY DETAIL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 ORLANDO, FL 32801
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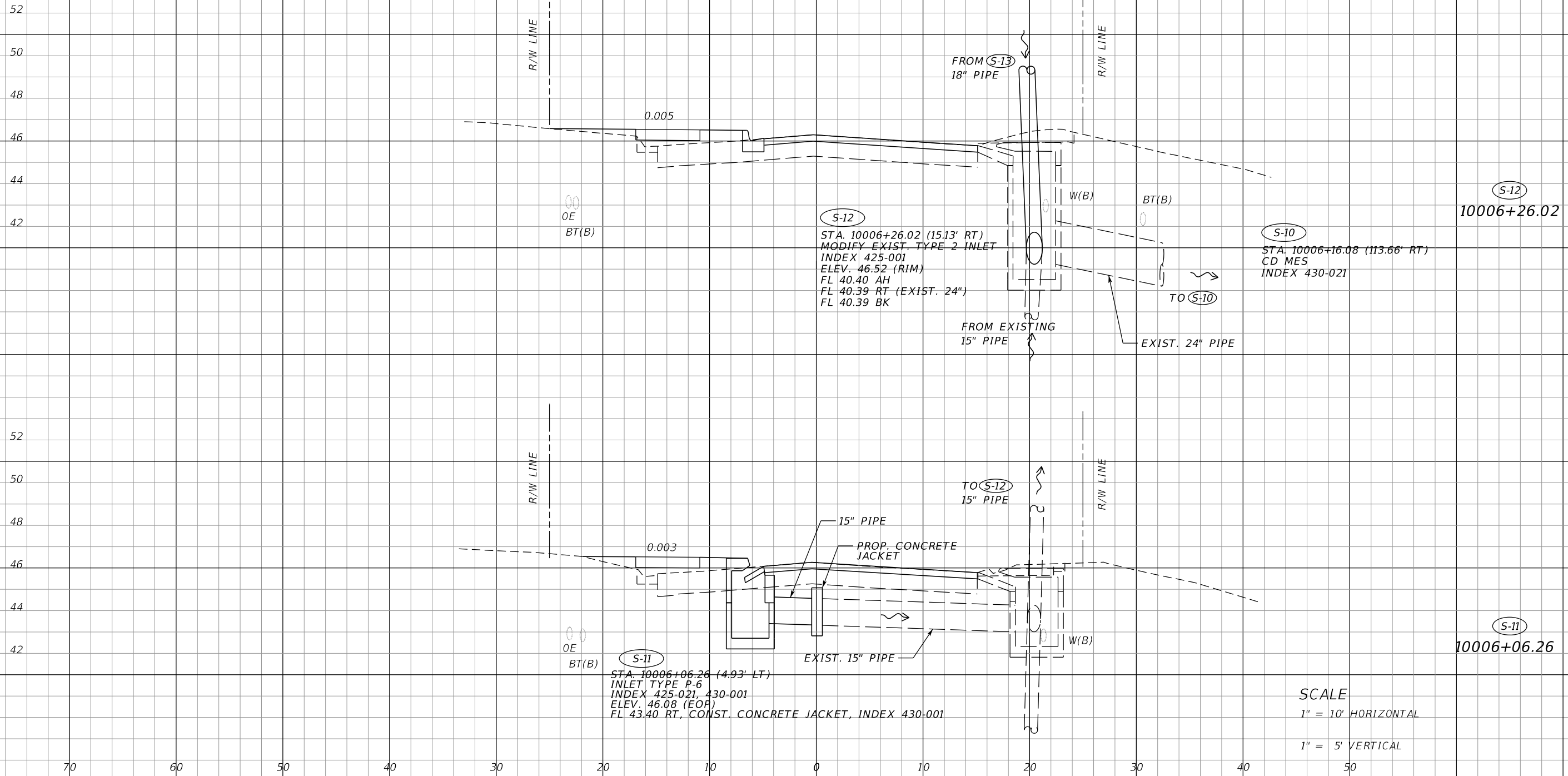
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

SPECIAL DETAILS

SHEET NO.
 89

RAYMOND AVE



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

DRAINAGE STRUCTURES

SHEET NO.
 90

RAYMOND AVE

62
60
58
56
54
52
50

R/W LINE

R/W LINE

FROM S-16
15" PIPE

0.02 MAX

0.02 MAX

S-15

STA. 10009+15.06 (6.05' LT)
INLET TYPE P-5
INDEX 425-021
ELEV. 55.23 (EOP)
FL 51.00 AH
FL 51.00 BK

OE
BT(B)

W(B)

BT(B)

S-15

10009+15.06

TO S-14
15" PIPE

54
52
50
48
46
44

R/W LINE

R/W LINE

FROM S-15
15" PIPE

0.02 MAX

OE
BT(B)

W(B)

BT(B)

S-13

10007+05.66

S-14

10007+05.45

S-14

STA. 10007+05.45 (6.12' LT)
INLET TYPE P-5
INDEX 425-021
ELEV. 46.87 (EOP)
FL 41.00 AH
FL 41.00 RT

18" PIPE

S-13

STA. 10007+5.66 (16.41' RT)
INLET TYPE P-5
INDEX 425-021
ELEV. 46.87 (EOP)
FL 40.60 BK
FL 40.40 LT

TO S-12
18" PIPE

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

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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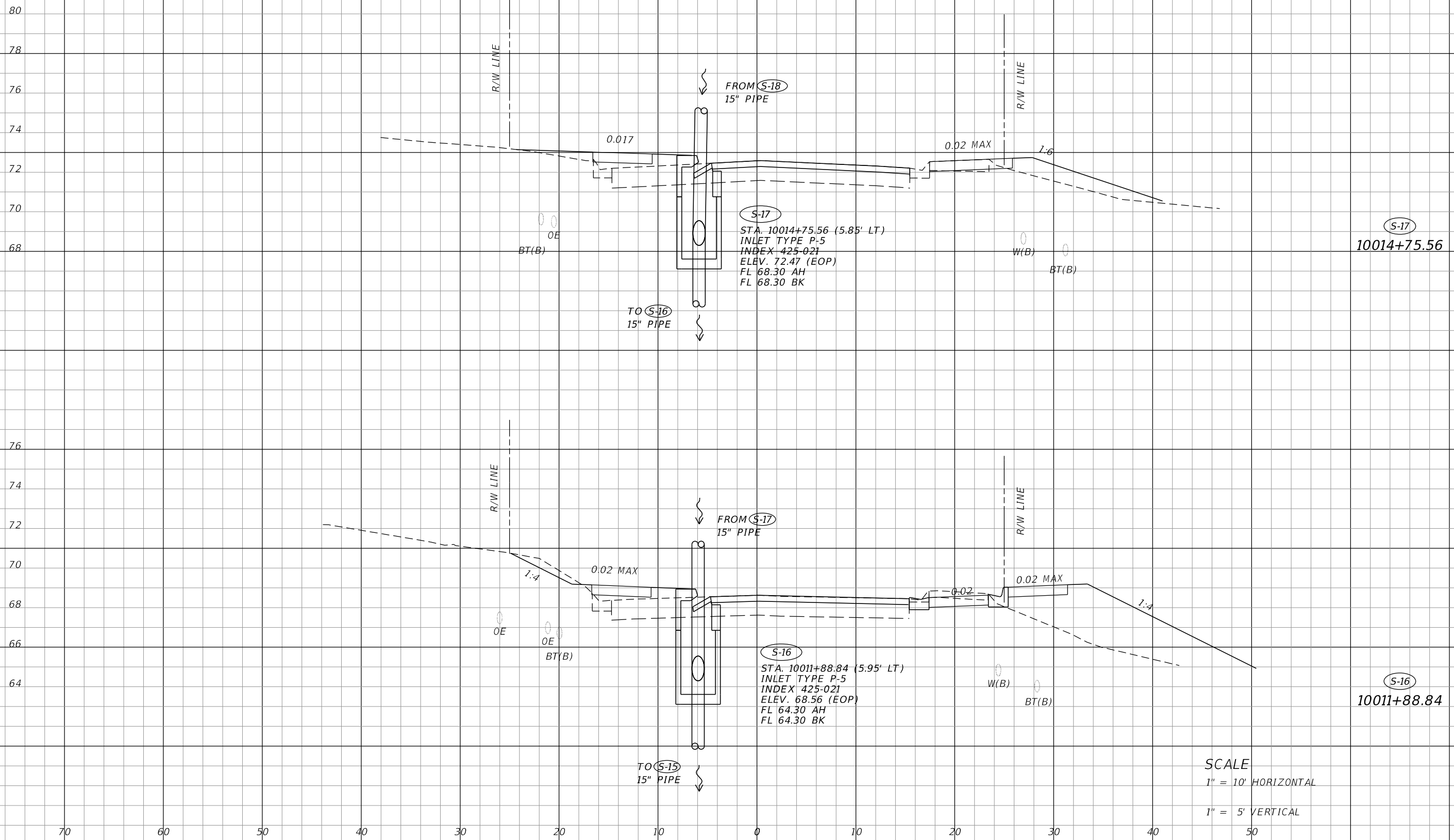
SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
91

RAYMOND AVE



S-17
 STA. 10014+75.56 (5.85' LT)
 INLET TYPE P-5
 INDEX 425-021
 ELEV. 72.47 (EOP)
 FL 68.30 AH
 FL 68.30 BK

S-16
 STA. 10011+88.84 (5.95' LT)
 INLET TYPE P-5
 INDEX 425-021
 ELEV. 68.56 (EOP)
 FL 64.30 AH
 FL 64.30 BK

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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

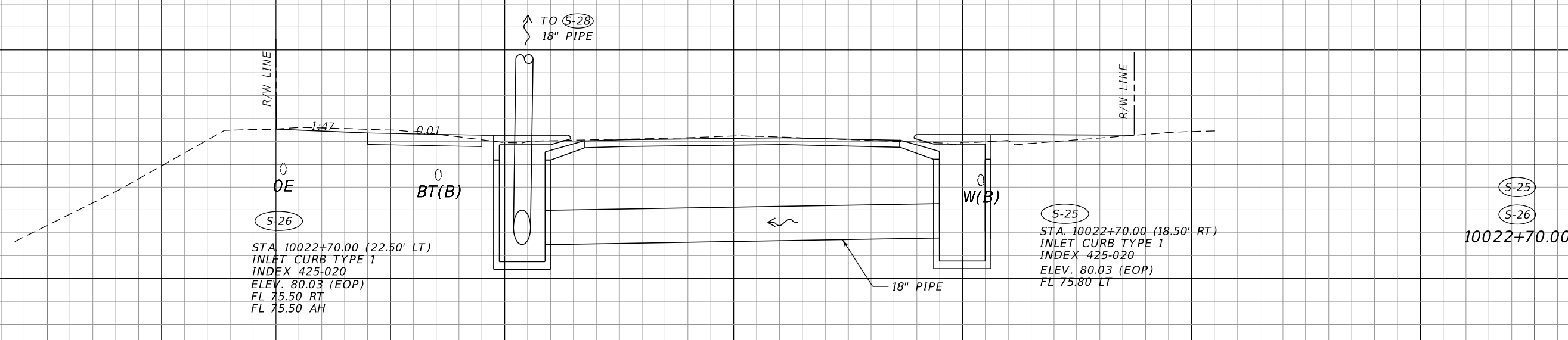
DRAINAGE STRUCTURES

SHEET NO.
92

RAYMOND AVE

89
87
85
83
81
79
77
75
73

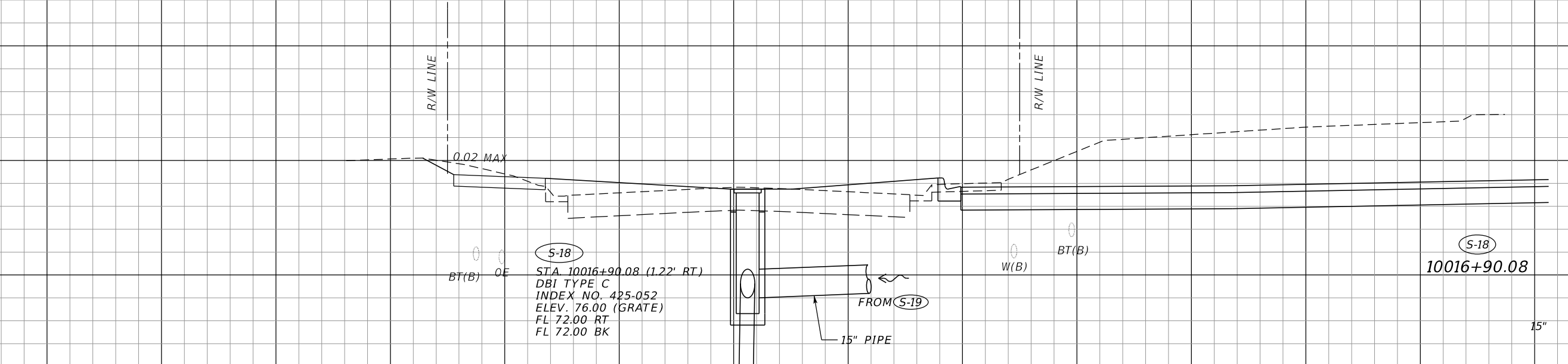
84
82
80
78
76
74
72
70



S-26
STA. 10022+70.00 (22.50' LT)
INLET CURB TYPE 1
INDEX 425-020
ELEV. 80.03 (EOP)
FL 75.50 RT
FL 75.50 AH

S-25
STA. 10022+70.00 (18.50' RT)
INLET CURB TYPE 1
INDEX 425-020
ELEV. 80.03 (EOP)
FL 75.80 LT

S-25
S-26
10022+70.00



S-18
STA. 10016+90.08 (1.22' RT)
DBI TYPE C
INDEX NO. 425-052
ELEV. 76.00 (GRATE)
FL 72.00 RT
FL 72.00 BK

S-18
10016+90.08

TO S-17
15" PIPE

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

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

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



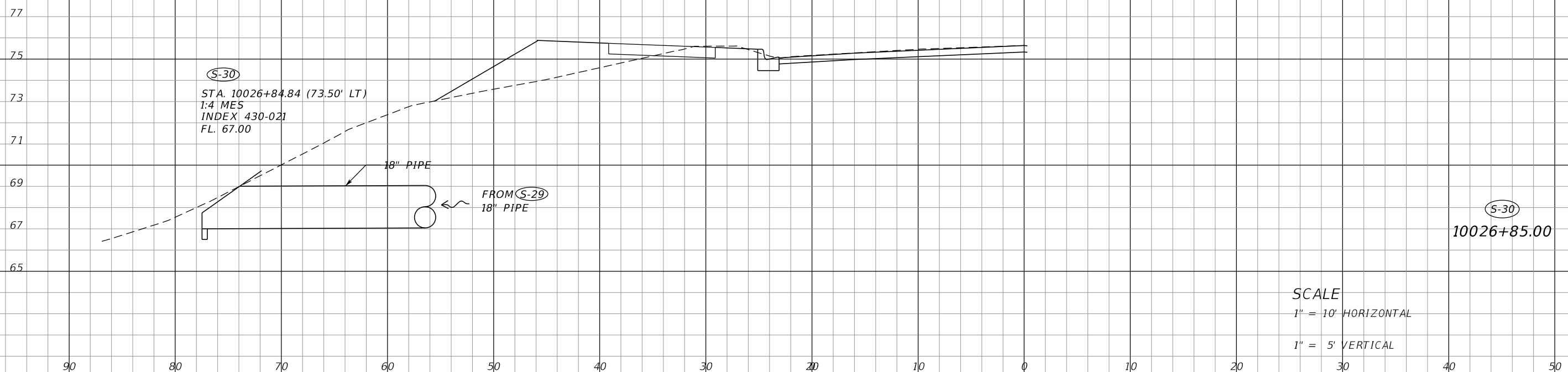
SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
93

RAYMOND AVE



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
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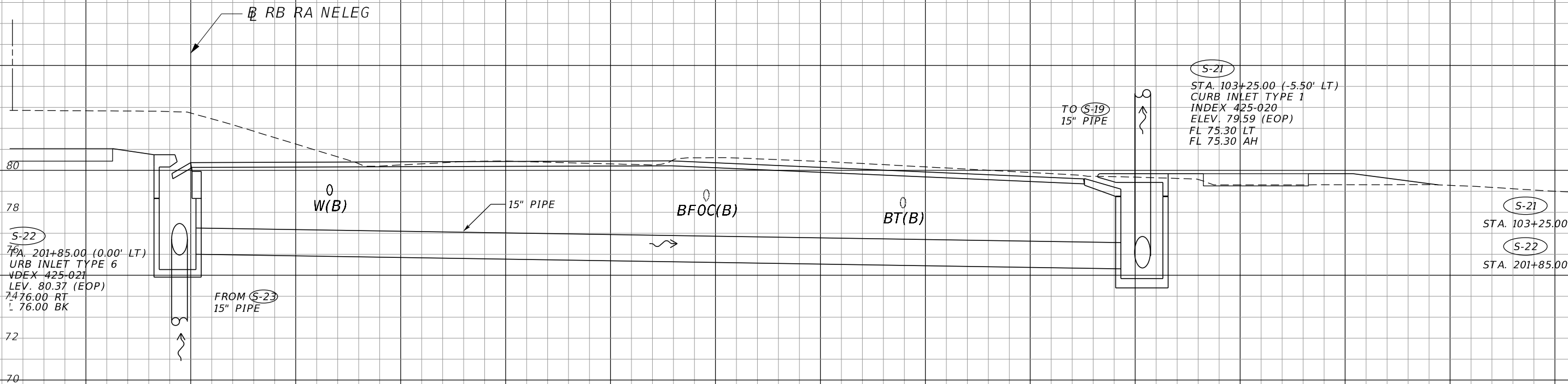


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE I

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

DRAINAGE STRUCTURES

SHEET NO.
94



S-21
 STA. 103+25.00 (-5.50' LT)
 CURB INLET TYPE 1
 INDEX 425-020
 ELEV. 79.59 (EOP)
 FL 75.30 LT
 FL 75.30 AH

S-22
 76A. 201+85.00 (0.00' LT)
 URB INLET TYPE 6
 INDEX 425-021
 LEV. 80.37 (EOP)
 7476.00 RT
 76.00 BK

S-21
 STA. 103+25.00
 S-22
 STA. 201+85.00

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
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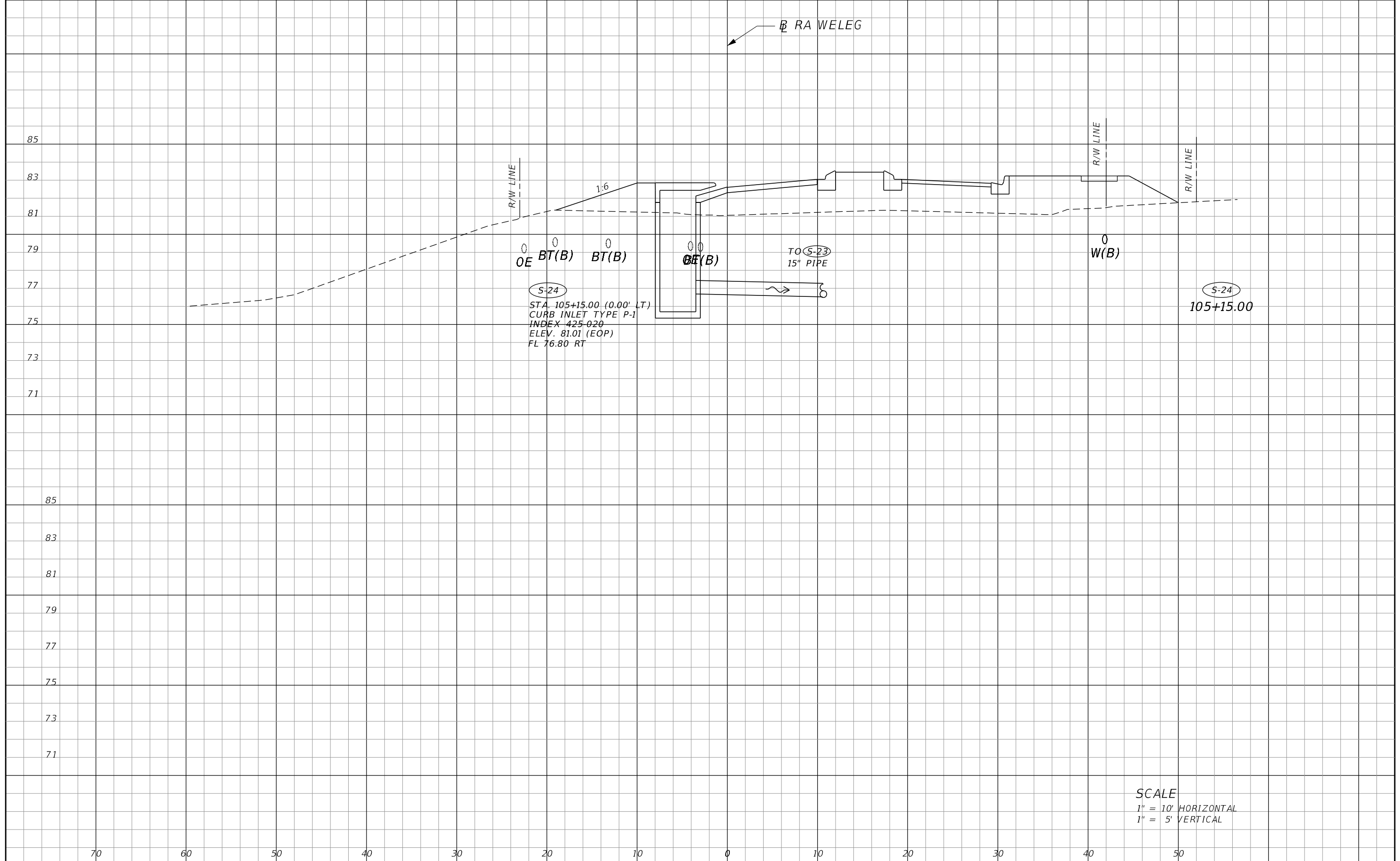


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
 96



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 315 E. ROBINSON ST.
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 ORLANDO, FL 32801
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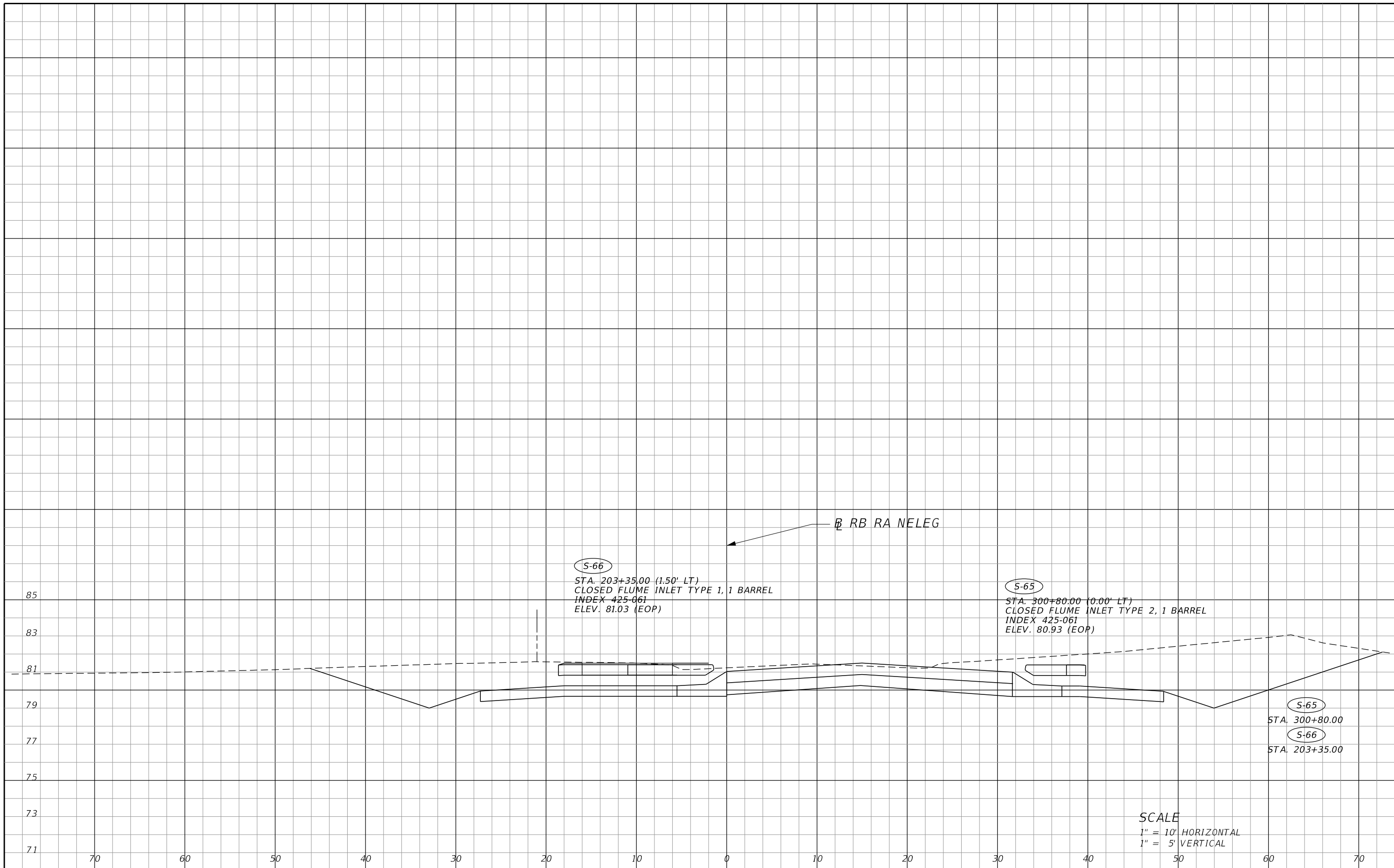


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
97



S-66

STA. 203+35.00 (1.50' LT)
 CLOSED FLUME INLET TYPE 1, 1 BARREL
 INDEX 425-061
 ELEV. 81.03 (EOP)

S-65

STA. 300+80.00 (0.00' LT)
 CLOSED FLUME INLET TYPE 2, 1 BARREL
 INDEX 425-061
 ELEV. 80.93 (EOP)

S-65

STA. 300+80.00

S-66

STA. 203+35.00

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 ORLANDO, FL 32801
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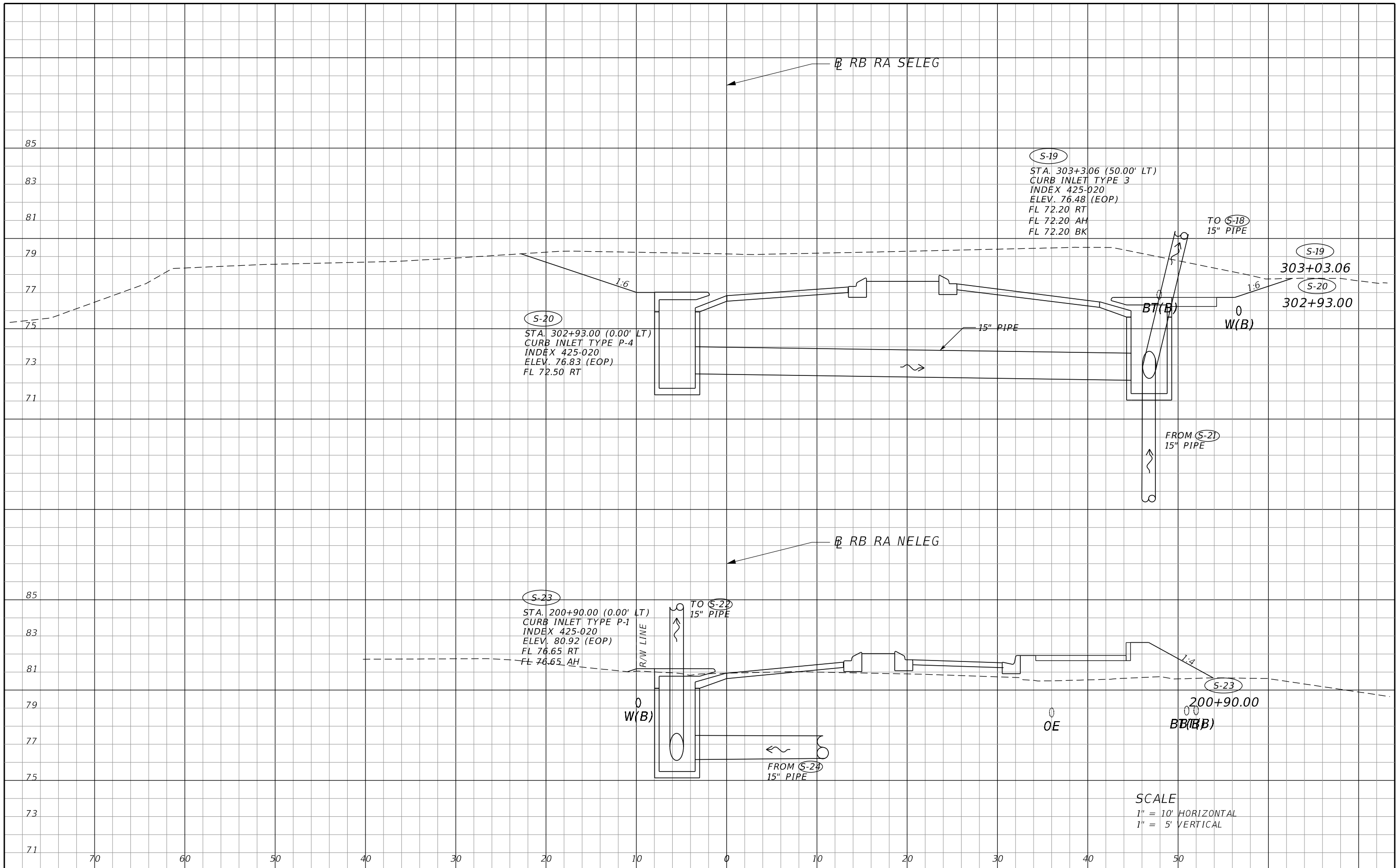


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
 98



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

HR

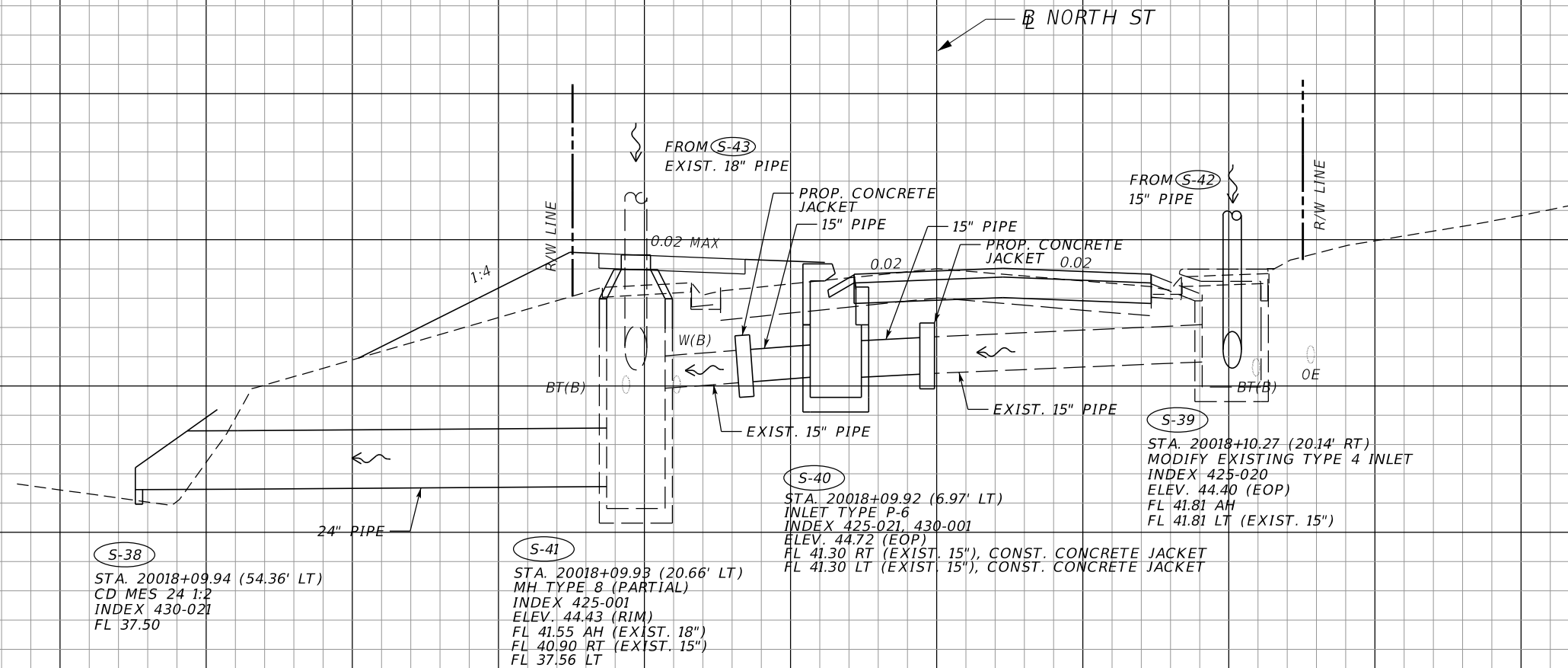
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
 99

48
46
44
42
40
38
36
34



(S-41)
20018+09.93

(S-40)
20018+09.92

(S-39)
20018+10.27


(S-38)
20018+09.94

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

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

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

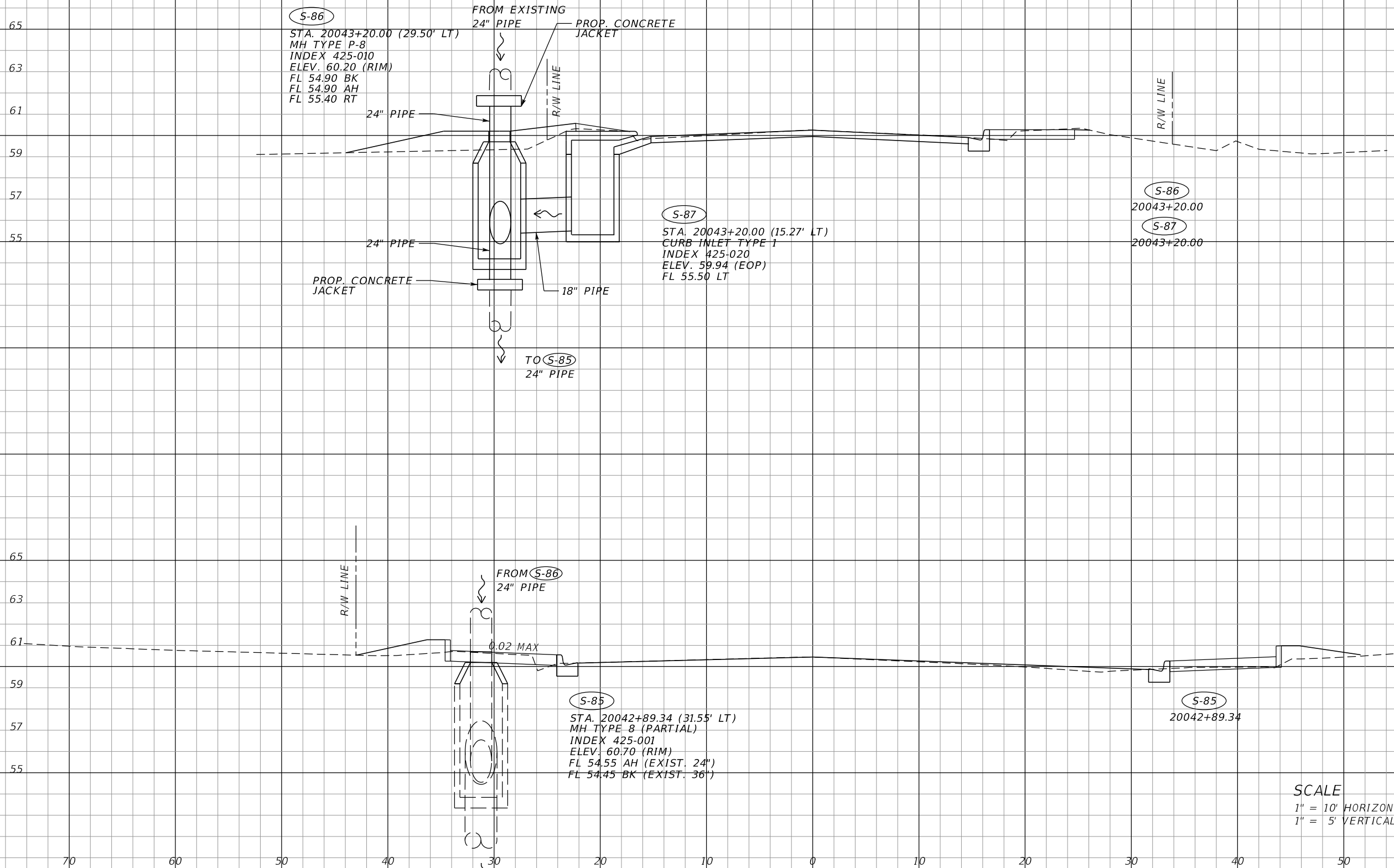


SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
100



S-86
 STA. 20043+20.00 (29.50' LT)
 MH TYPE P-8
 INDEX 425-010
 ELEV. 60.20 (RIM)
 FL 54.90 BK
 FL 54.90 AH
 FL 55.40 RT

S-87
 STA. 20043+20.00 (15.27' LT)
 CURB INLET TYPE 1
 INDEX 425-020
 ELEV. 59.94 (EOP)
 FL 55.50 LT

S-85
 STA. 20042+89.34 (31.55' LT)
 MH TYPE 8 (PARTIAL)
 INDEX 425-001
 ELEV. 60.70 (RIM)
 FL 54.55 AH (EXIST. 24")
 FL 54.45 BK (EXIST. 36")

S-86
 20043+20.00

S-87
 20043+20.00

S-85
 20042+89.34

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

REVISIONS			
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 ORLANDO, FL 32801
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

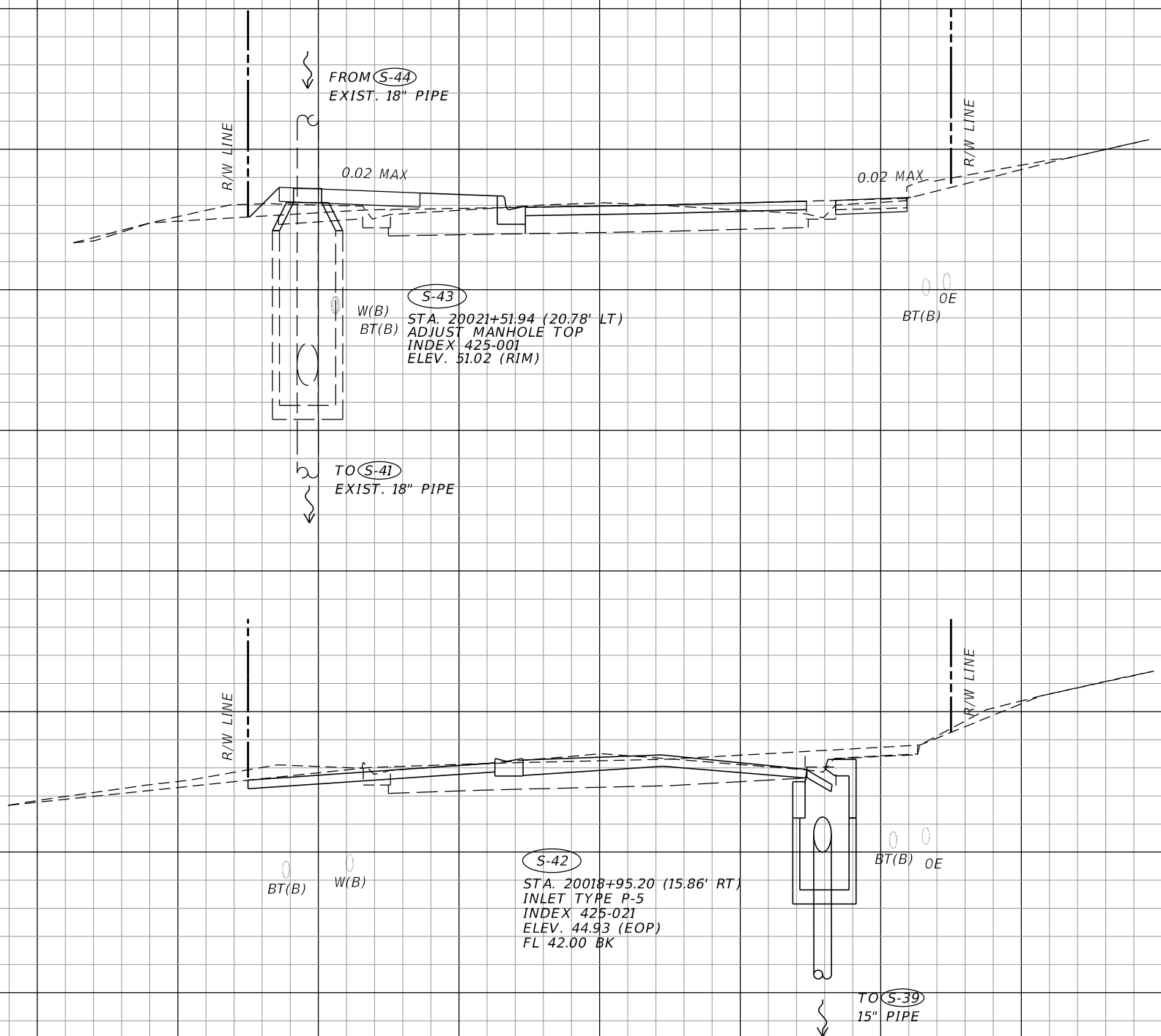
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

DRAINAGE STRUCTURES

SHEET NO.
101

← NORTH ST

54
52
50
48
46
50
48
46
44
42



S-43
20021+51.94

S-42
20018+95.20

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

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

REVISIONS			
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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

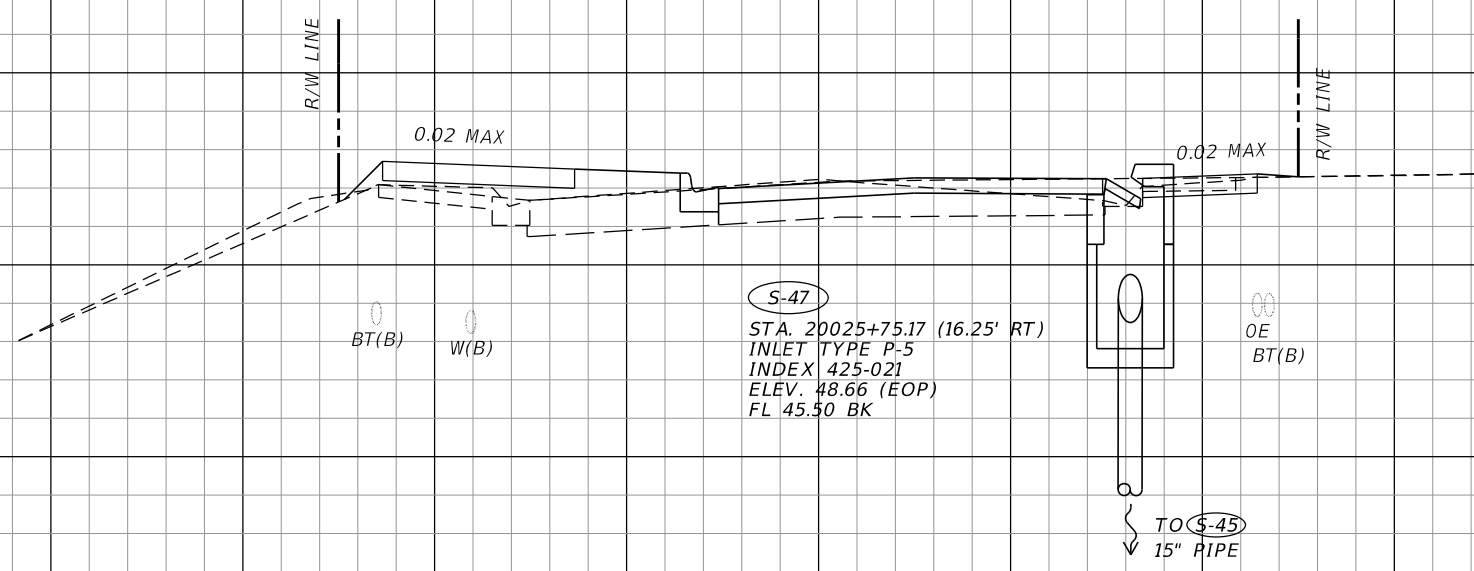
DRAINAGE STRUCTURES

SHEET NO.
102

← NORTH ST

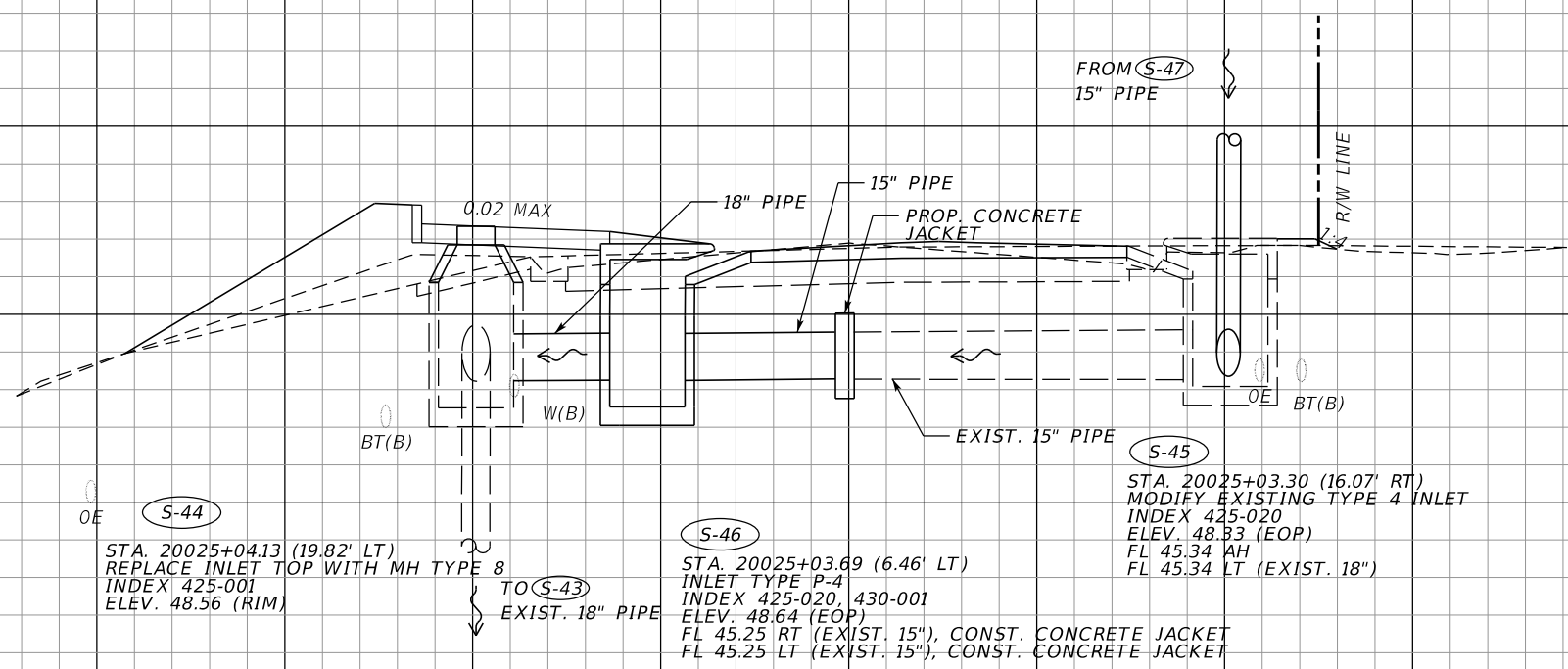
52
50
48
46
42

52
50
48
46
44
42



S-47
STA. 20025+75.17 (16.25' RT)
INLET TYPE P-5
INDEX 425-021
ELEV. 48.66 (EOP)
FL 45.50 BK

S-47
20025+75.17



S-44
STA. 20025+04.13 (19.82' LT)
REPLACE INLET TOP WITH MH TYPE 8
INDEX 425-001
ELEV. 48.56 (RIM)

S-46
STA. 20025+03.69 (6.46' LT)
INLET TYPE P-4
INDEX 425-020, 430-001
ELEV. 48.64 (EOP)
FL 45.25 RT (EXIST. 15"), CONST. CONCRETE JACKET
FL 45.25 LT (EXIST. 15"), CONST. CONCRETE JACKET

S-45
STA. 20025+03.30 (16.07' RT)
MODIFY EXISTING TYPE 4 INLET
INDEX 425-020
ELEV. 48.83 (EOP)
FL 45.34 AH
FL 45.34 LT (EXIST. 18")

S-46
20025+03.69
S-45
20025+03.30
S-44
20025+04.13

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

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
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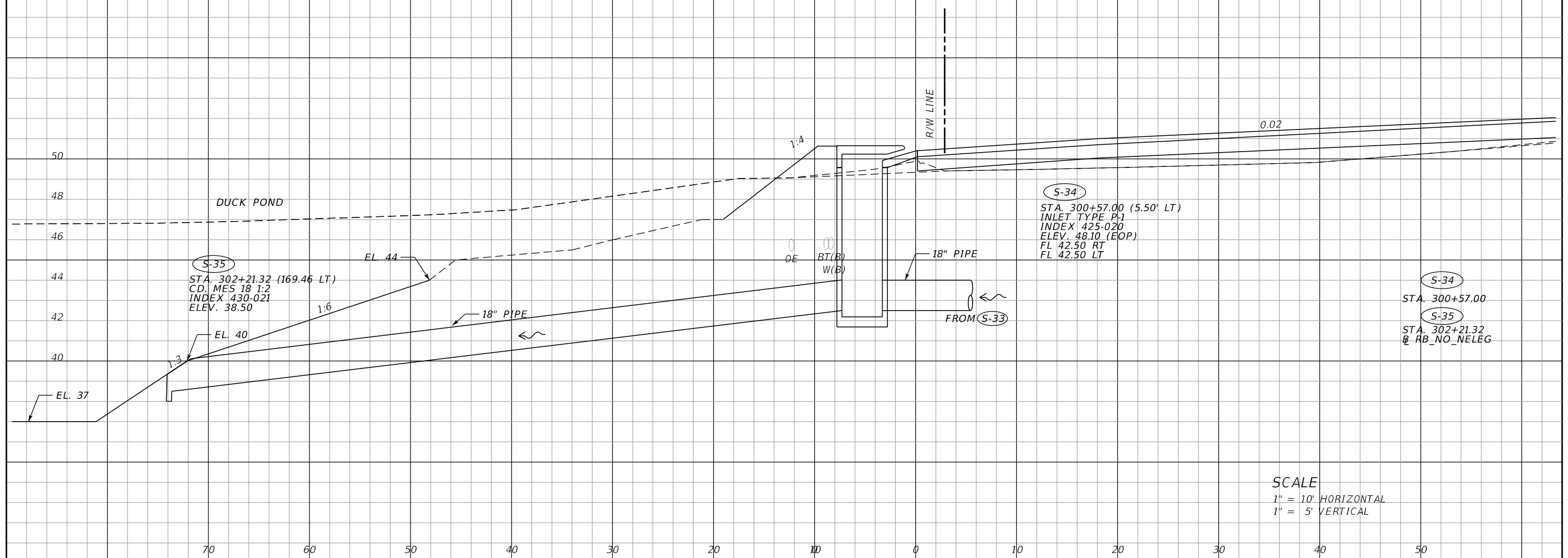
SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
103

RB NO NELEG



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 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.
 104

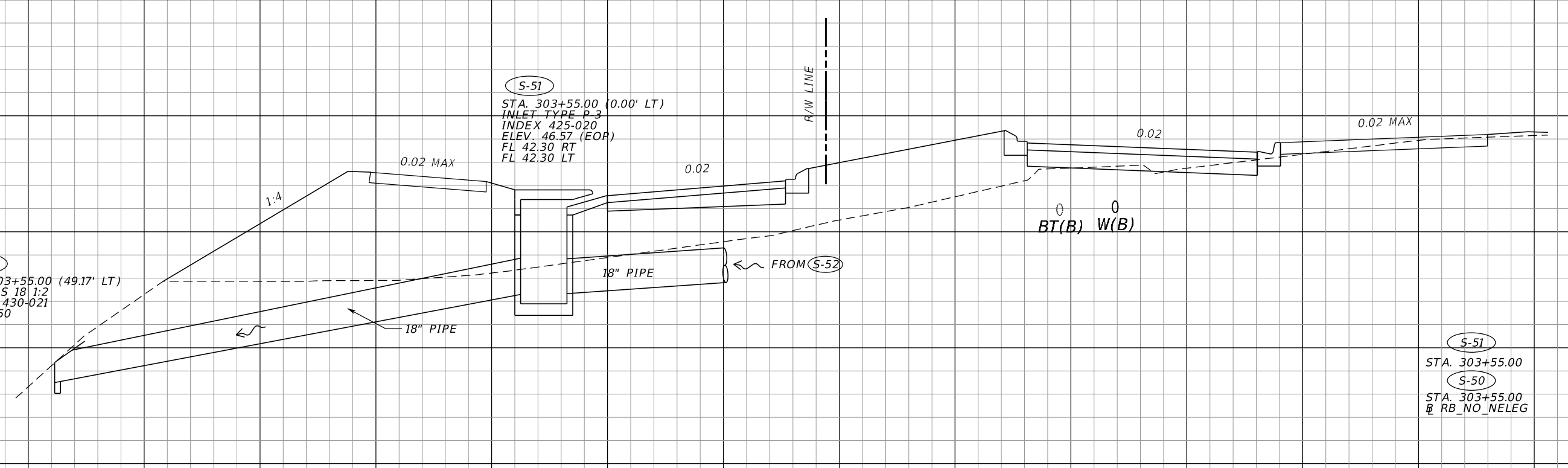
55
53
51
49
47
45
43
41
39
37
35

Ø RB NO NELEG

S-50
STA. 303+55.00 (49.17' LT)
CD. MES 18 1:2
INDEX 430-021
FL. 38.50

S-51
STA. 303+55.00 (0.00' LT)
INLET TYPE P-3
INDEX 425-020
ELEV. 46.57 (EOP)
FL 42.30 RT
FL 42.30 LT

S-51
STA. 303+55.00
S-50
STA. 303+55.00
Ø RB_NO_NELEG



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

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

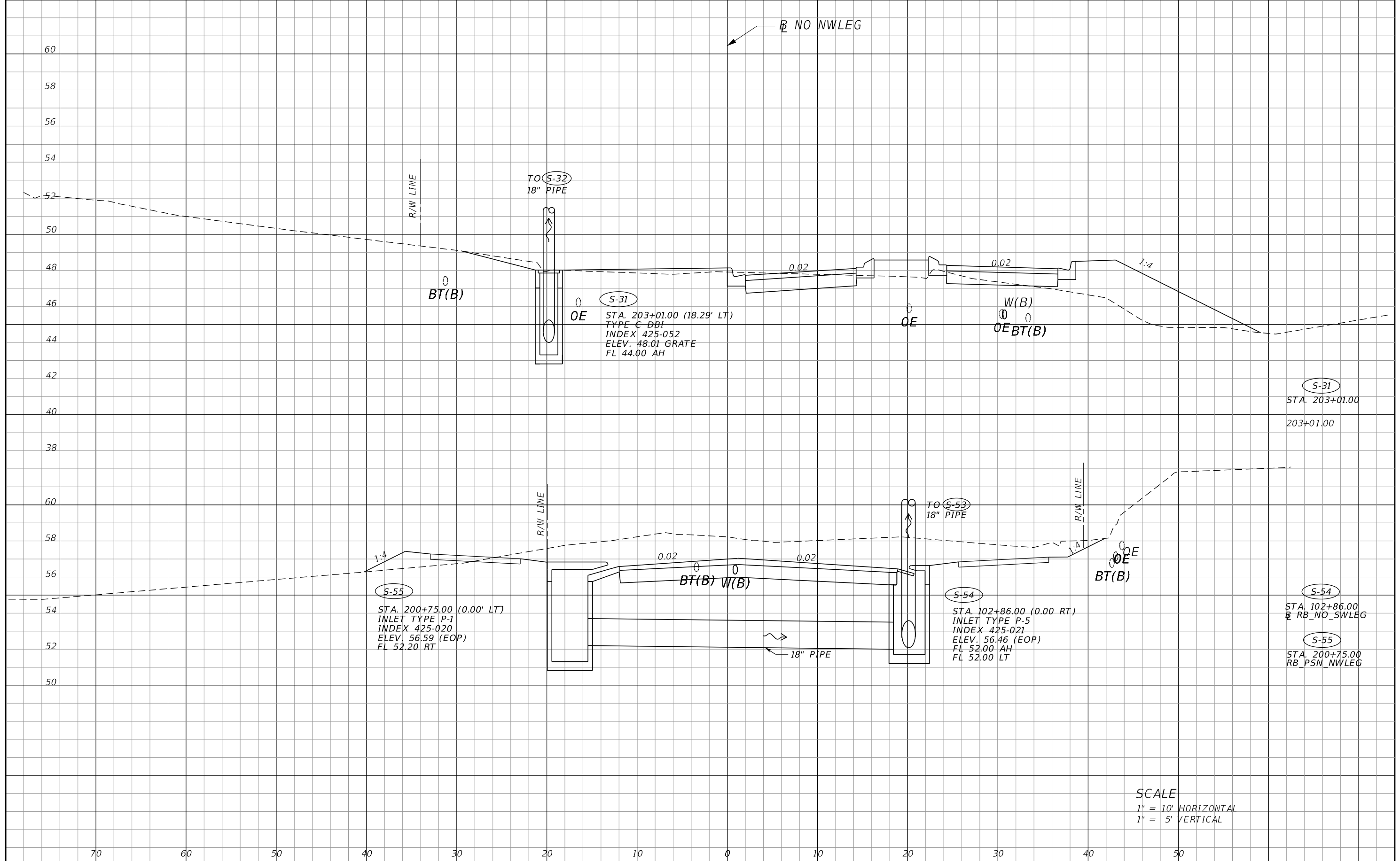
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SUITE 400
ORLANDO, FL 32801
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SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
ROAD COUNTY CIP No.
RAYMOND AVE., NORTH
ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
105



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

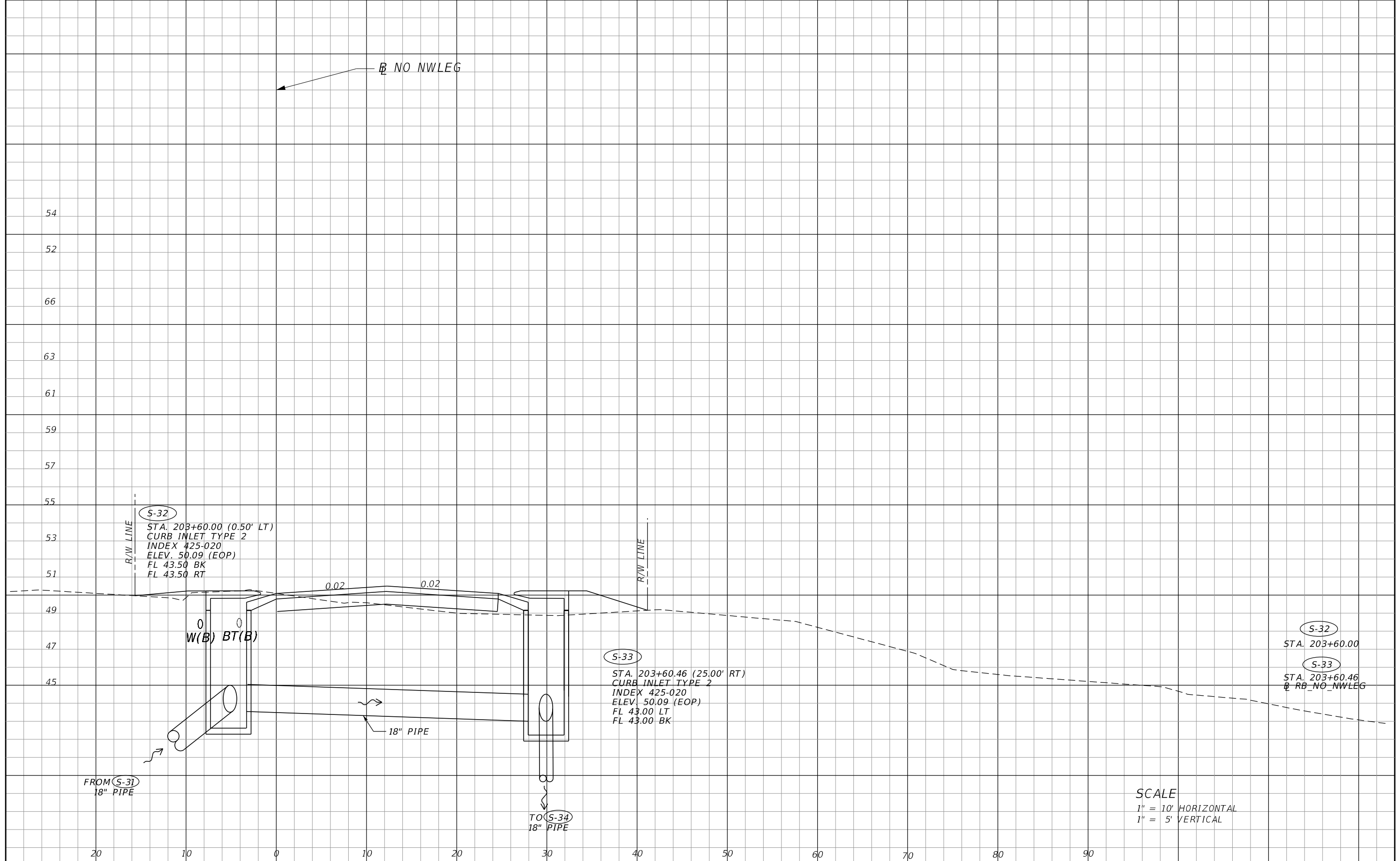
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 SUITE 400
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1
 ROAD COUNTY CIP No.
 RAYMOND AVE., NORTH ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
 106



S-32
 STA. 203+60.00 (0.50' LT)
 CURB INLET TYPE 2
 INDEX 425-020
 ELEV. 50.09 (EOP)
 FL 43.50 BK
 FL 43.50 RT

S-33
 STA. 203+60.46 (25.00' RT)
 CURB INLET TYPE 2
 INDEX 425-020
 ELEV. 50.09 (EOP)
 FL 43.00 LT
 FL 43.00 BK

S-32
 STA. 203+60.00
 S-33
 STA. 203+60.46
 @ RB_NO_NWLEG

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 SUITE 400
 ORLANDO, FL 32801
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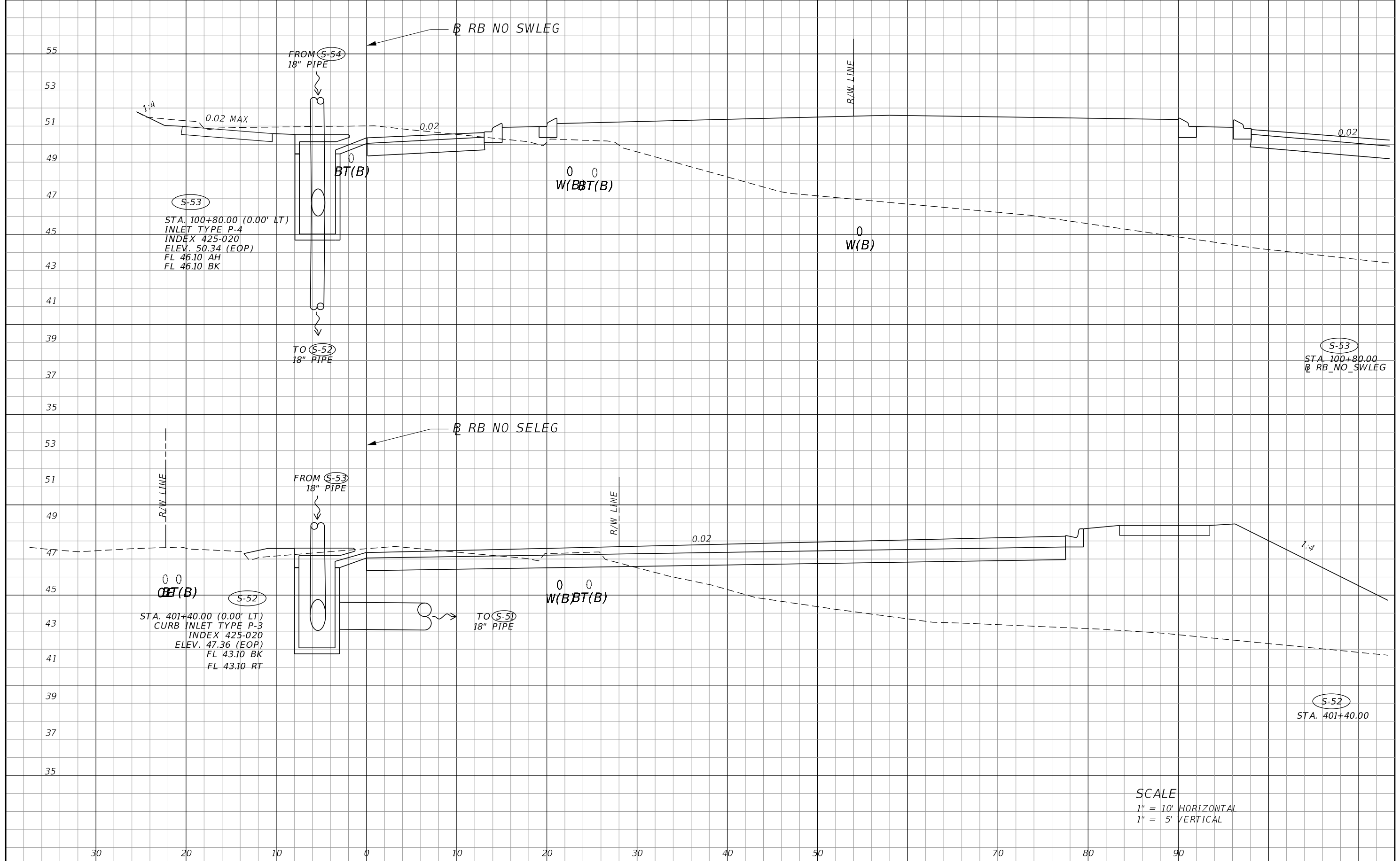


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
107



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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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

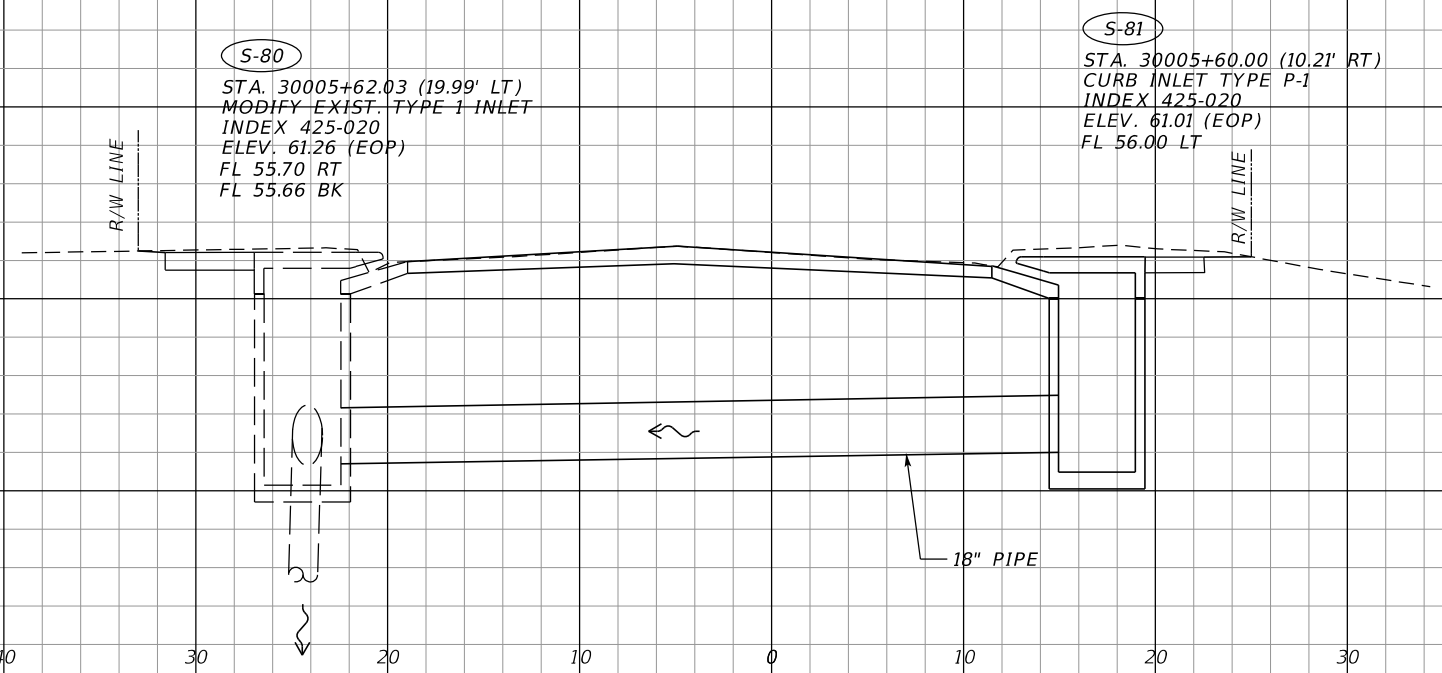
DRAINAGE STRUCTURES

SHEET NO.
108

RAYMOND AVE

52
50
48
46
44
42

66
64
62
60
58
56



S-80
STA. 30005+62.03 (19.99' LT)
MODIFY EXIST. TYPE 1 INLET
INDEX 425-020
ELEV. 61.26 (EOP)
FL 55.70 RT
FL 55.66 BK

S-81
STA. 30005+60.00 (10.21' RT)
CURB INLET TYPE P-1
INDEX 425-020
ELEV. 61.01 (EOP)
FL 56.00 LT

S-81
STA. 30005+60.00
S-80
STA. 30005+62.03

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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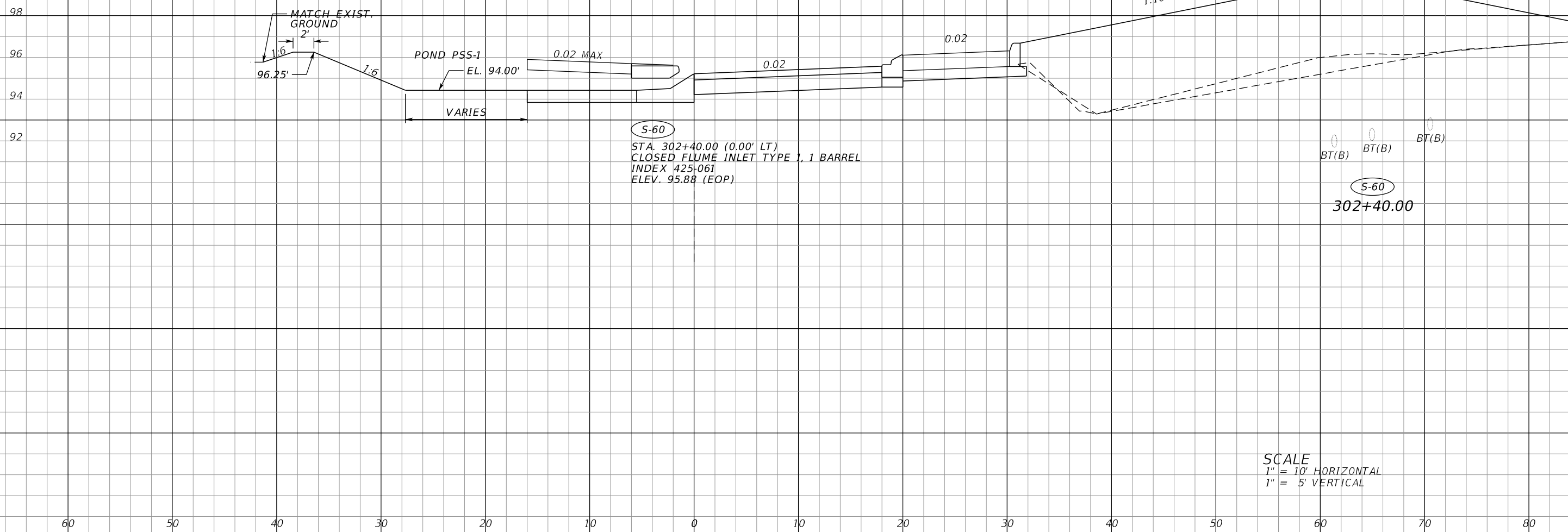


SEMINOLE COUNTY
ENGINEERING DIVISION
ROLLING HILLS AREA ROADWAYS PHASE 1
ROAD COUNTY CIP No.
RAYMOND AVE., NORTH
ST., PALM SPRINGS DR. 01907084

DRAINAGE STRUCTURES

SHEET NO.
109

RB PSS EALEG



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 SUITE 400
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SEMINOLE COUNTY
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 ROLLING HILLS AREA ROADWAYS PHASE 1

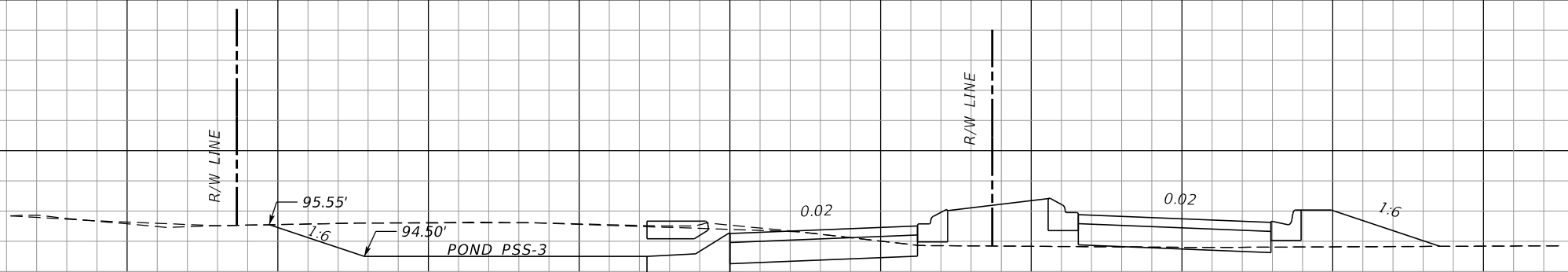
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

DRAINAGE STRUCTURES

SHEET NO.
110

RB PSS SWLEG

100
98
96



S-61
 STA. 103+05.00 (0.00' LT)
 CLOSED FLUME INLET TYPE 2, 1 BARREL
 INDEX 425-061
 ELEV. 95.20 (EOP)

S-61
 103+05.00

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

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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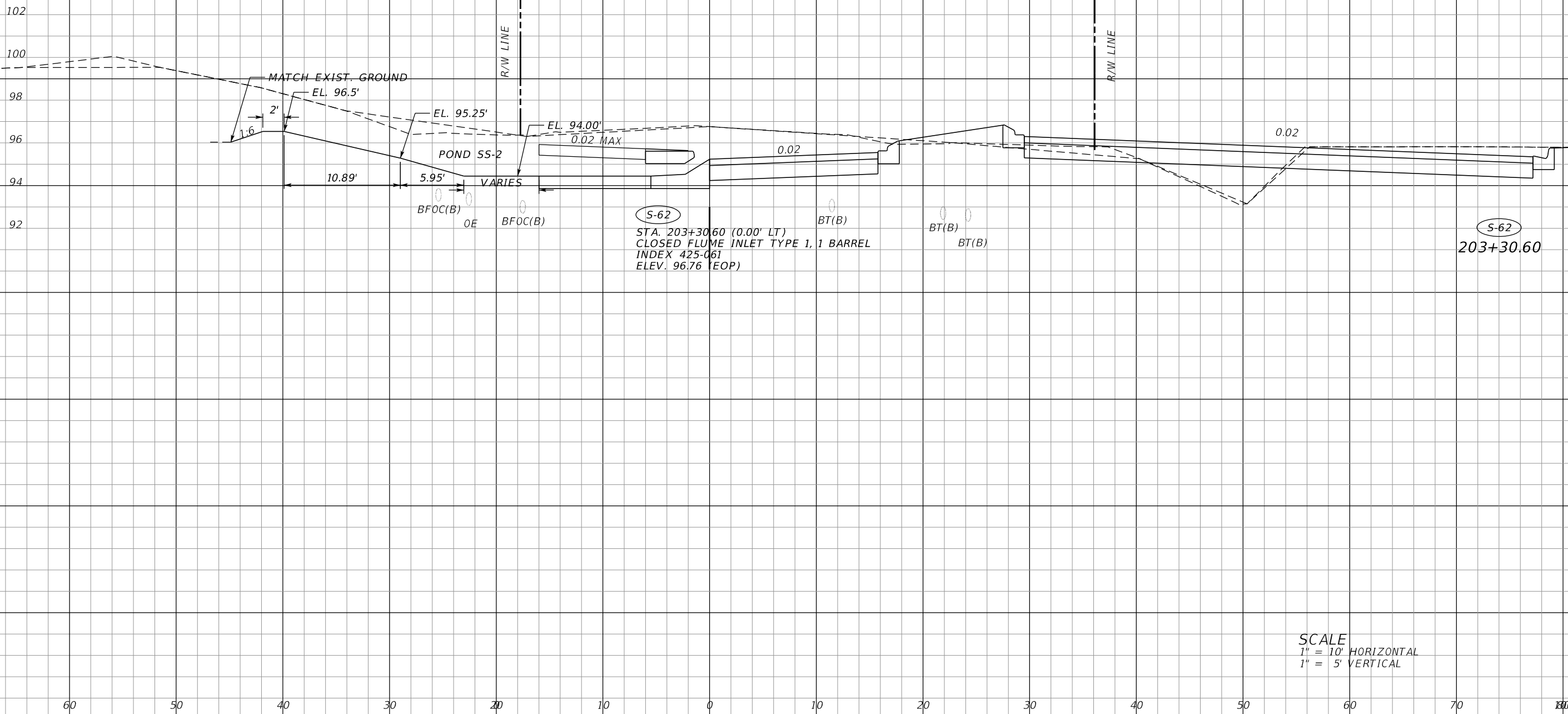
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
 111

RB PSS NWLEG



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 SUITE 400
 ORLANDO, FL 32801
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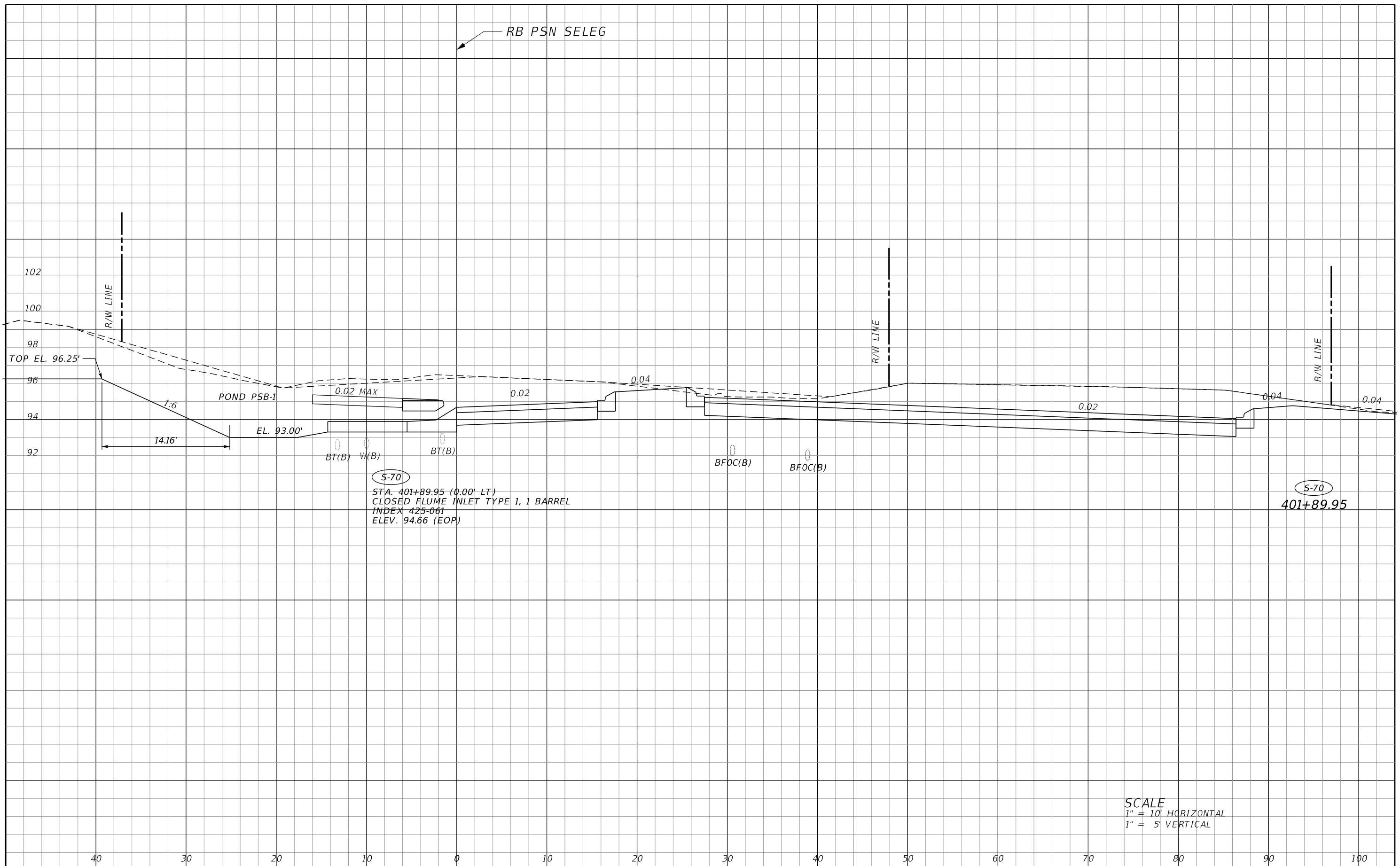
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
112

RB PSN SELEG



S-70
 STA. 401+89.95 (0.00' LT)
 CLOSED FLUME INLET TYPE 1, 1 BARREL
 INDEX 425-061
 ELEV. 94.66 (EOP)

S-70
 401+89.95

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 315 E. ROBINSON ST.
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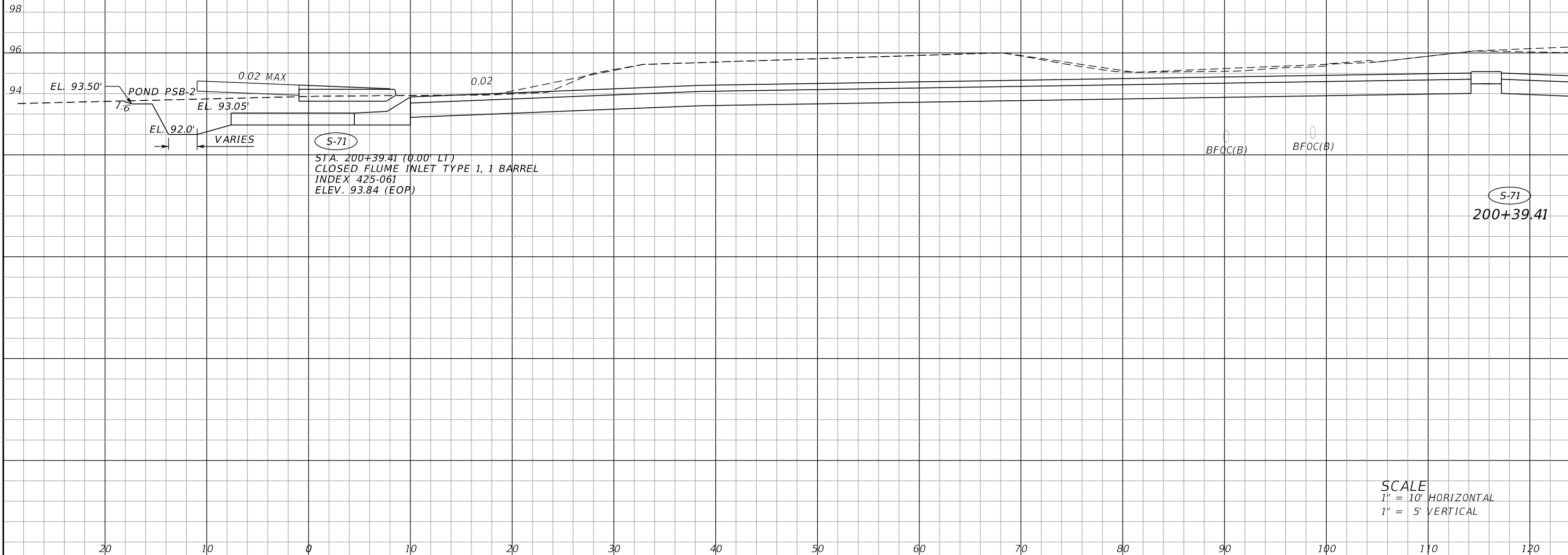
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 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
113

RB PSN NWLEG



S-71
 STA. 200+39.41 (0.00' LT)
 CLOSED FLUME INLET TYPE 1, 1 BARREL
 INDEX 425-061
 ELEV. 93.84 (EOP)

S-71
 200+39.41

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

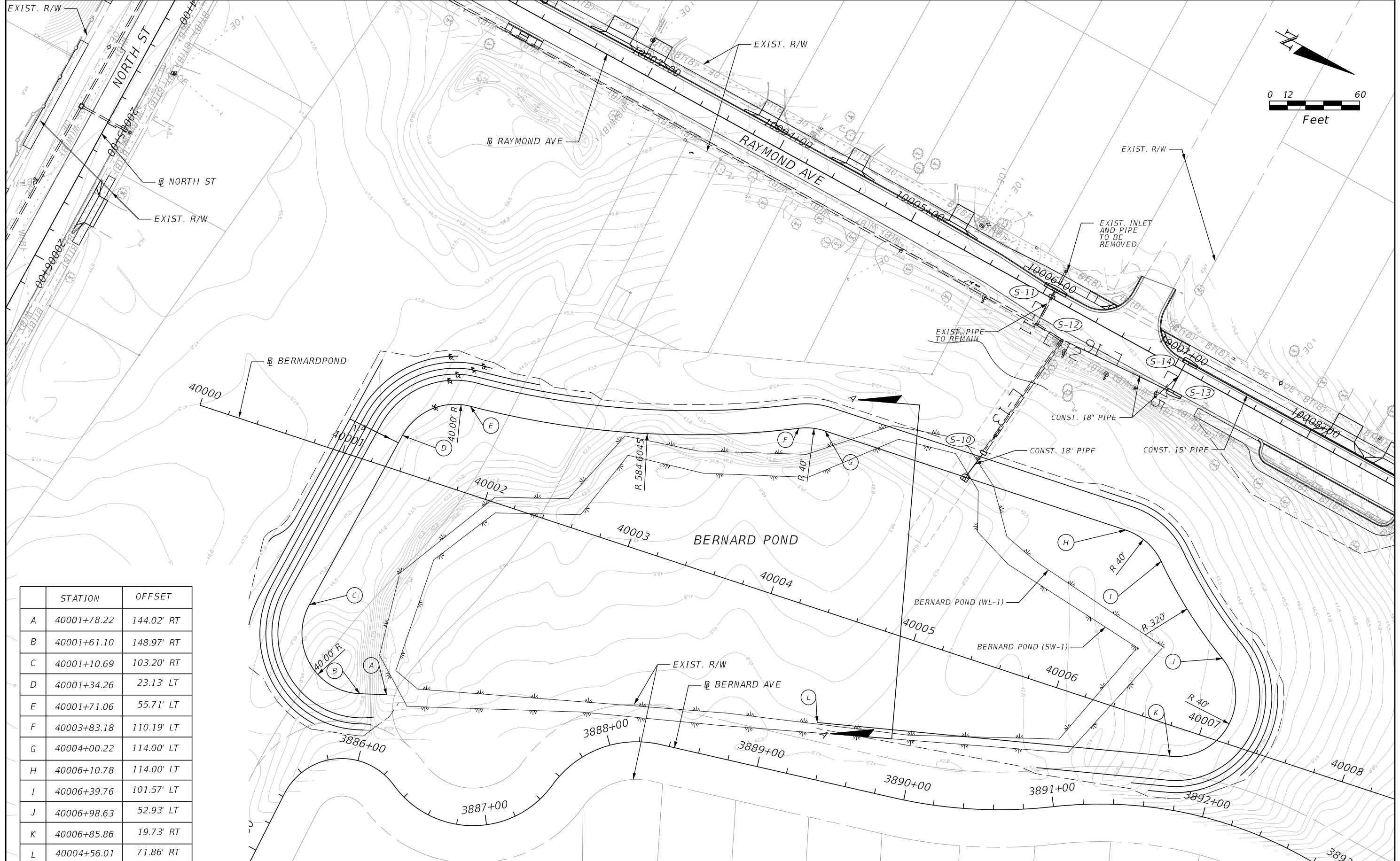
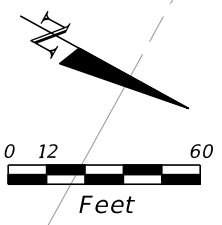


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

DRAINAGE STRUCTURES

SHEET NO.
 114



STATION	OFFSET
A 40001+78.22	144.02' RT
B 40001+61.10	148.97' RT
C 40001+10.69	103.20' RT
D 40001+34.26	23.13' LT
E 40001+71.06	55.71' LT
F 40003+83.18	110.19' LT
G 40004+00.22	114.00' LT
H 40006+10.78	114.00' LT
I 40006+39.76	101.57' LT
J 40006+98.63	52.93' LT
K 40006+85.86	19.73' RT
L 40004+56.01	71.86' RT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

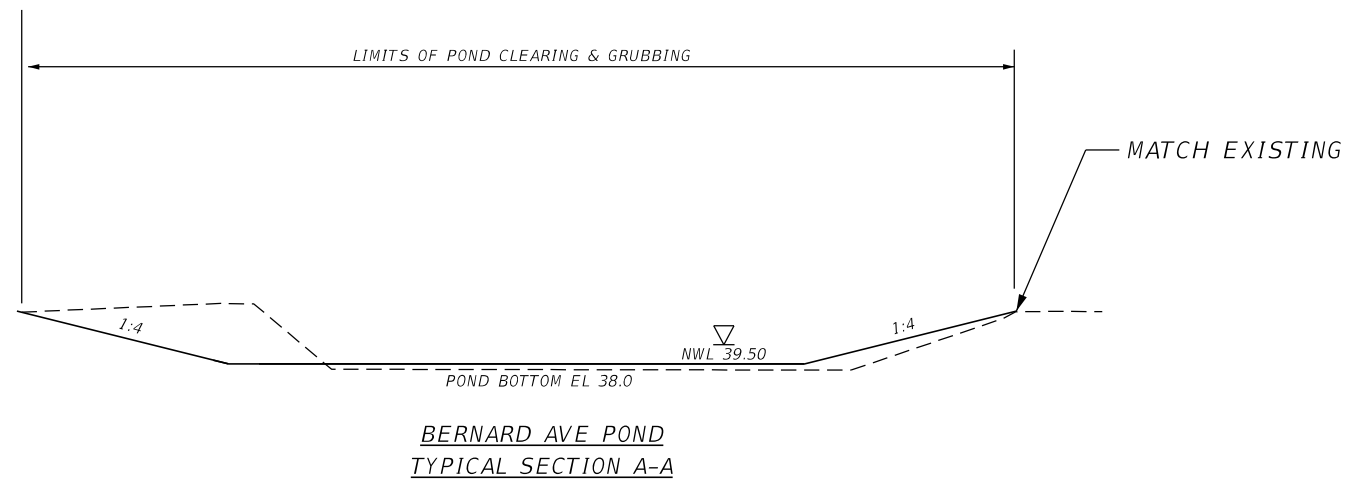


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

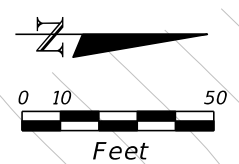
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

POND PLAN (1)

SHEET NO.
 115



REVISIONS				<small>MARK W. SUAREZ, P.E. LICENSE NO. 76977</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 ROLLING HILLS AREA ROADWAYS PHASE 1</small>		<i>POND TYPICAL SECTION BERNARD POND</i>	<small>SHEET NO.</small> 116
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					<small>RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.</small>	<small>01907084</small>		



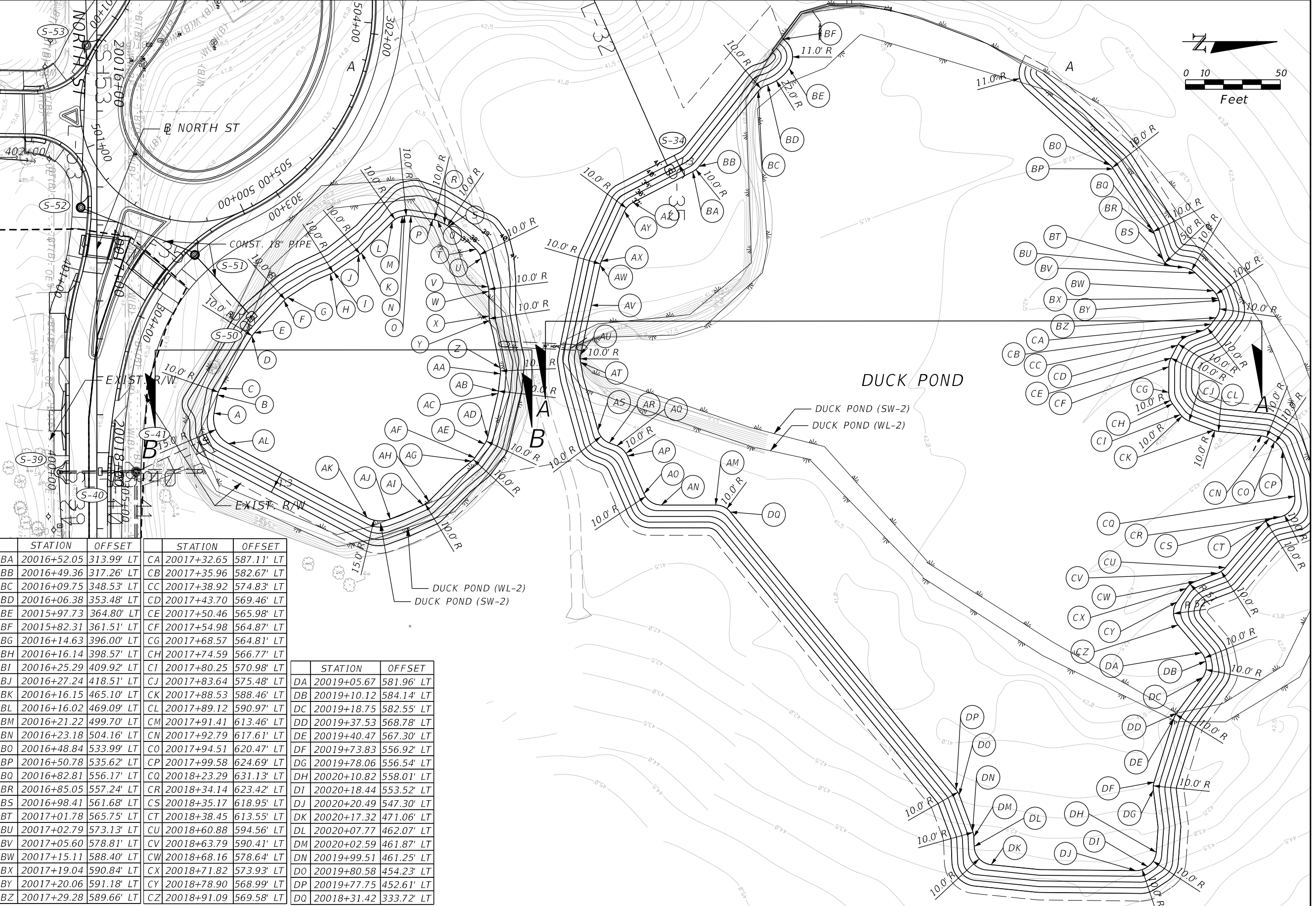
STATION	OFFSET
A	20017+79.23 61.69' LT
B	20017+69.56 63.53' LT
C	20017+66.20 64.82' LT
D	20017+38.52 81.76' LT
E	20017+37.04 82.86' LT
F	20017+19.90 98.57' LT
G	20017+18.30 100.46' LT
H	20017+05.85 123.07' LT
I	20017+04.90 124.81' LT
J	20016+95.98 137.89' LT
K	20016+94.77 139.35' LT
L	20016+78.34 155.73' LT
M	20016+75.59 160.94' LT
N	20016+75.37 162.09' LT
O	20016+75.20 165.57' LT
P	20016+77.22 177.05' LT
Q	20016+77.98 179.56' LT
R	20016+79.65 183.23' LT
S	20016+80.91 185.29' LT
T	20016+92.93 199.70' LT
U	20016+97.75 202.50' LT
V	20017+12.81 206.23' LT
W	20017+15.08 206.52' LT
X	20017+28.15 206.69' LT
Y	20017+30.39 206.98' LT
Z	20017+55.39 212.46' LT

STATION	OFFSET
AA	20017+58.57 212.60' LT
AB	20017+67.69 211.55' LT
AC	20017+68.90 211.34' LT
AD	20017+91.98 205.88' LT
AE	20017+95.60 204.25' LT
AF	20018+02.77 199.07' LT
AG	20018+04.63 197.33' LT
AH	20018+25.64 174.89' LT
AI	20018+27.69 171.94' LT
AJ	20018+35.10 154.52' LT
AK	20018+34.24 142.32' LT
AL	20017+95.25 69.36' LT
AM	20018+27.72 325.95' LT
AN	20018+27.73 297.36' LT
AO	20018+21.74 288.20' LT
AP	20018+01.86 279.49' LT
AQ	20017+96.55 273.96' LT
AR	20017+95.00 269.97' LT
AS	20017+88.34 263.95' LT
AT	20017+52.49 254.79' LT
AU	20017+48.61 254.87' LT
AV	20017+22.47 260.53' LT
AW	20017+01.32 265.12' LT
AX	20016+99.23 265.82' LT
AY	20016+72.97 278.02' LT
AZ	20016+68.29 282.51' LT

STATION	OFFSET
BA	20016+52.05 313.99' LT
BB	20016+49.36 317.26' LT
BC	20016+09.75 348.53' LT
BD	20016+06.38 353.48' LT
BE	20015+97.73 364.80' LT
BF	20015+82.31 361.51' LT
BG	20016+14.63 396.00' LT
BH	20016+16.14 398.57' LT
BI	20016+25.29 409.92' LT
BJ	20016+27.24 418.51' LT
BK	20016+16.15 465.10' LT
BL	20016+16.02 469.09' LT
BM	20016+21.22 499.70' LT
BN	20016+23.18 504.16' LT
BO	20016+48.84 533.99' LT
BP	20016+50.78 535.62' LT
BQ	20016+82.81 556.17' LT
BR	20016+85.05 557.24' LT
BS	20016+98.41 561.68' LT
BT	20017+01.78 565.75' LT
BU	20017+02.79 573.13' LT
BV	20017+05.60 578.81' LT
BW	20017+15.11 588.40' LT
BX	20017+19.04 590.84' LT
BY	20017+20.06 591.18' LT
BZ	20017+29.28 589.66' LT

STATION	OFFSET
CA	20017+32.65 587.11' LT
CB	20017+35.96 582.67' LT
CC	20017+38.92 574.83' LT
CD	20017+43.70 569.46' LT
CE	20017+50.46 565.98' LT
CF	20017+54.98 564.87' LT
CG	20017+68.57 564.81' LT
CH	20017+74.59 566.77' LT
CI	20017+80.25 570.98' LT
CJ	20017+83.64 575.48' LT
CK	20017+88.53 588.46' LT
CL	20017+89.12 590.97' LT
CM	20017+91.41 613.46' LT
CN	20017+92.79 617.61' LT
CO	20017+94.51 620.47' LT
CP	20017+99.58 624.69' LT
CQ	20018+23.29 631.13' LT
CR	20018+34.14 623.42' LT
CS	20018+35.17 618.95' LT
CT	20018+38.45 613.55' LT
CU	20018+60.88 594.56' LT
CV	20018+63.79 590.41' LT
CW	20018+68.16 578.64' LT
CX	20018+71.82 573.93' LT
CY	20018+78.90 568.99' LT
CZ	20018+91.09 569.58' LT

STATION	OFFSET
DA	20019+05.67 581.96' LT
DB	20019+10.12 584.14' LT
DC	20019+18.75 582.55' LT
DD	20019+37.53 568.78' LT
DE	20019+40.47 567.30' LT
DF	20019+73.83 556.92' LT
DG	20019+78.06 556.54' LT
DH	20020+10.82 558.01' LT
DI	20020+18.44 553.52' LT
DJ	20020+20.49 547.30' LT
DK	20020+17.32 471.06' LT
DL	20020+07.77 462.07' LT
DM	20020+02.59 461.87' LT
DN	20019+99.51 461.25' LT
DO	20019+80.58 454.23' LT
DP	20019+77.75 452.61' LT
DQ	20018+31.42 333.72' LT



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST. SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

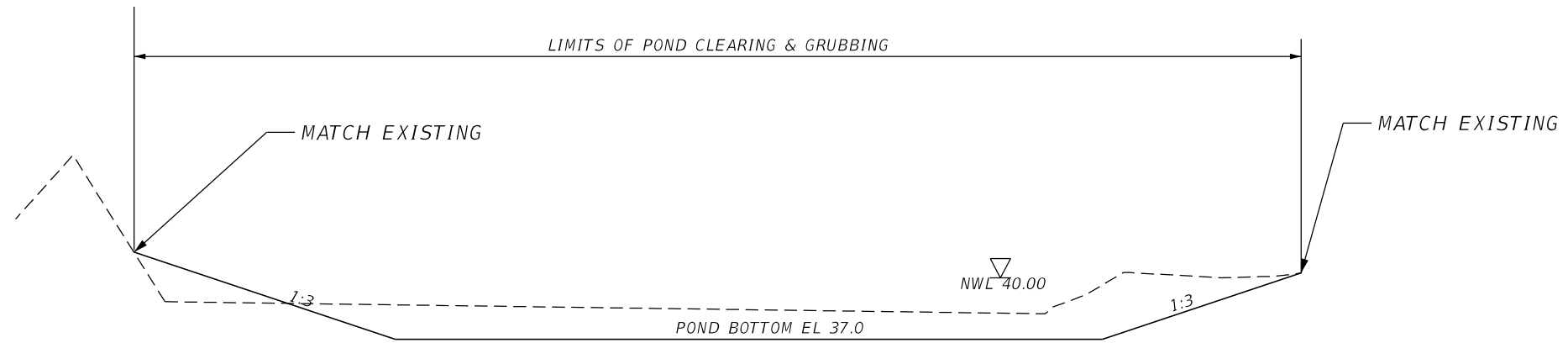


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

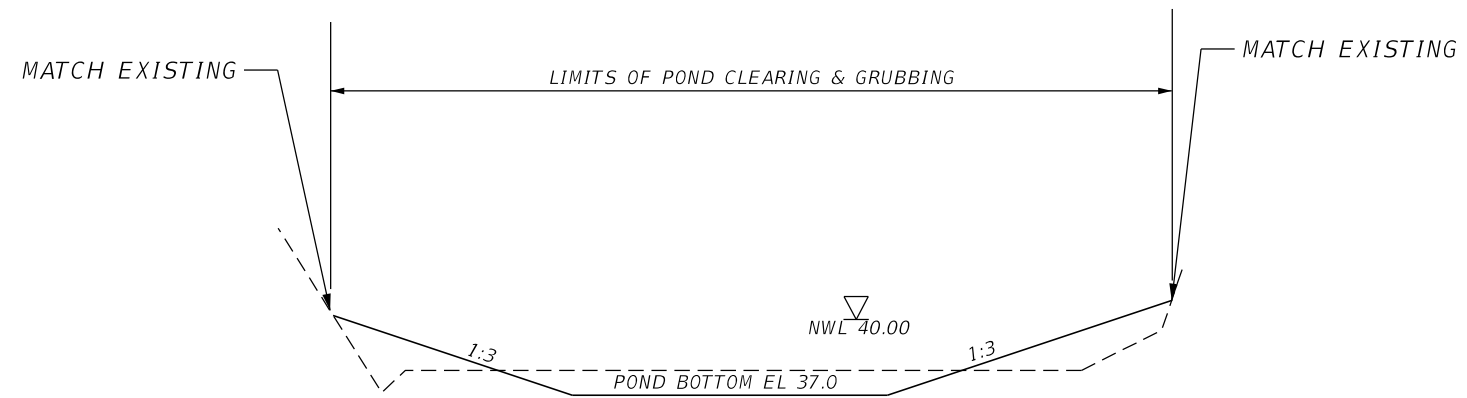
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

POND DETAILS

SHEET NO. 117



DUCK POND
TYPICAL SECTION A-A



DUCK POND
TYPICAL SECTION B-B

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242



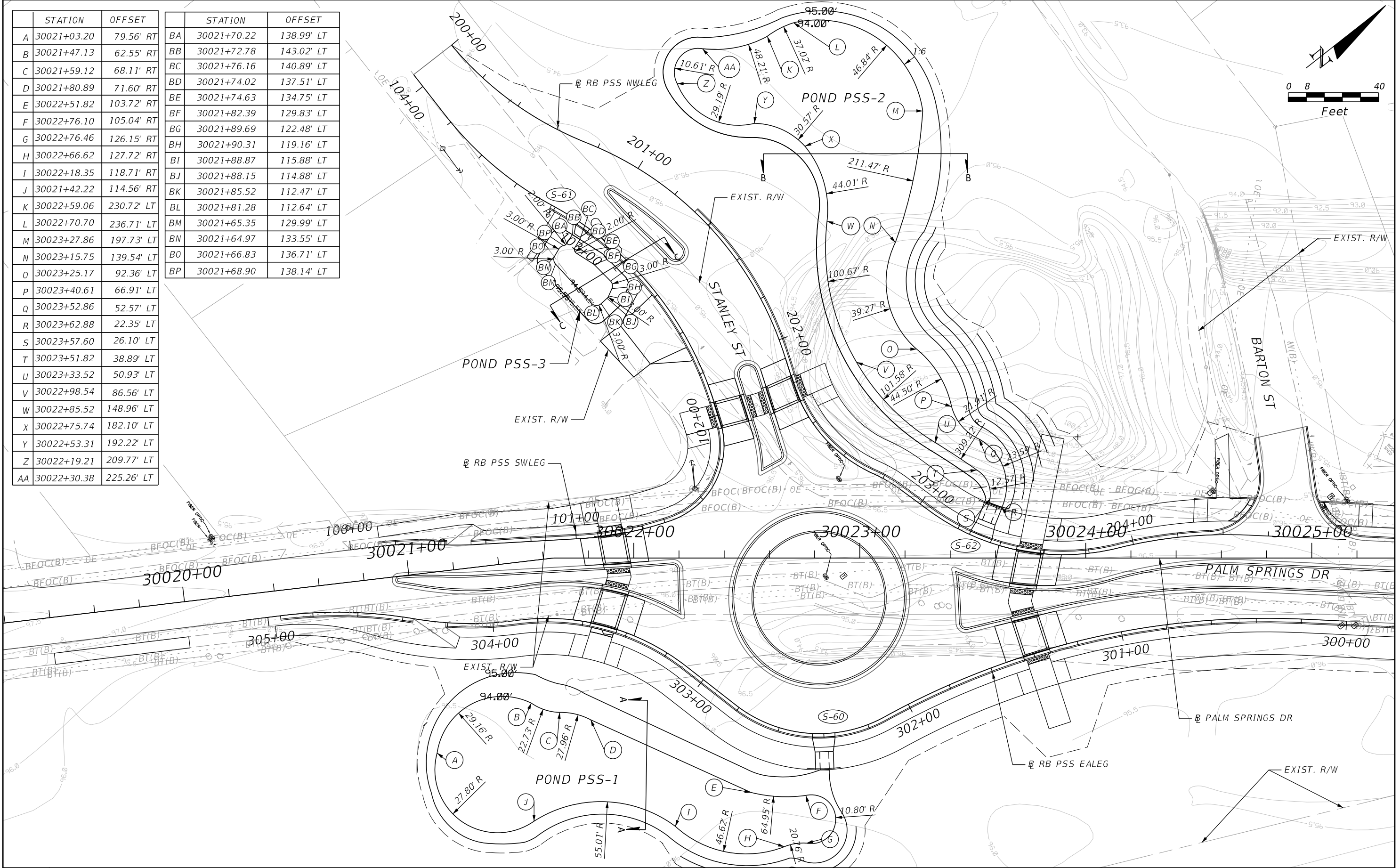
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

POND TYPICAL SECTION

SHEET NO.
 118

STATION	OFFSET	STATION	OFFSET		
A	30021+03.20	79.56' RT	BA	30021+70.22	138.99' LT
B	30021+47.13	62.55' RT	BB	30021+72.78	143.02' LT
C	30021+59.12	68.11' RT	BC	30021+76.16	140.89' LT
D	30021+80.89	71.60' RT	BD	30021+74.02	137.51' LT
E	30022+51.82	103.72' RT	BE	30021+74.63	134.75' LT
F	30022+76.10	105.04' RT	BF	30021+82.39	129.83' LT
G	30022+76.46	126.15' RT	BG	30021+89.69	122.48' LT
H	30022+66.62	127.72' RT	BH	30021+90.31	119.16' LT
I	30022+18.35	118.71' RT	BI	30021+88.87	115.88' LT
J	30021+42.22	114.56' RT	BJ	30021+88.15	114.88' LT
K	30022+59.06	230.72' LT	BK	30021+85.52	112.47' LT
L	30022+70.70	236.71' LT	BL	30021+81.28	112.64' LT
M	30023+27.86	197.73' LT	BM	30021+65.35	129.99' LT
N	30023+15.75	139.54' LT	BN	30021+64.97	133.55' LT
O	30023+25.17	92.36' LT	BO	30021+66.83	136.71' LT
P	30023+40.61	66.91' LT	BP	30021+68.90	138.14' LT
Q	30023+52.86	52.57' LT			
R	30023+62.88	22.35' LT			
S	30023+57.60	26.10' LT			
T	30023+51.82	38.89' LT			
U	30023+33.52	50.93' LT			
V	30022+98.54	86.56' LT			
W	30022+85.52	148.96' LT			
X	30022+75.74	182.10' LT			
Y	30022+53.31	192.22' LT			
Z	30022+19.21	209.77' LT			
AA	30022+30.38	225.26' LT			



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

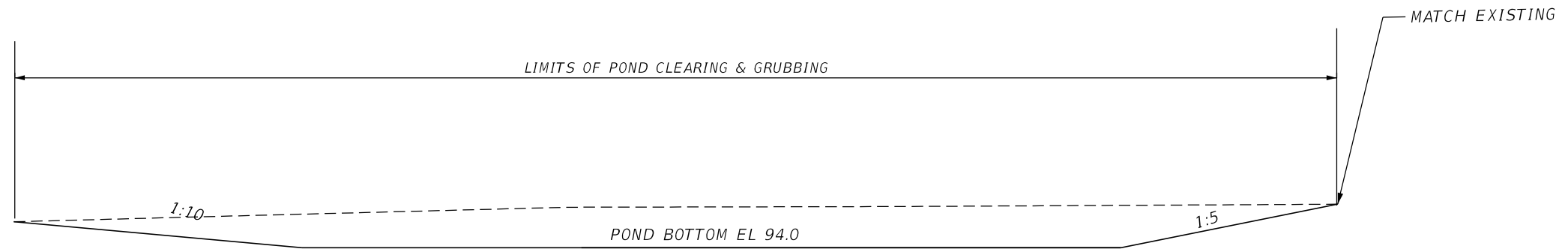


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

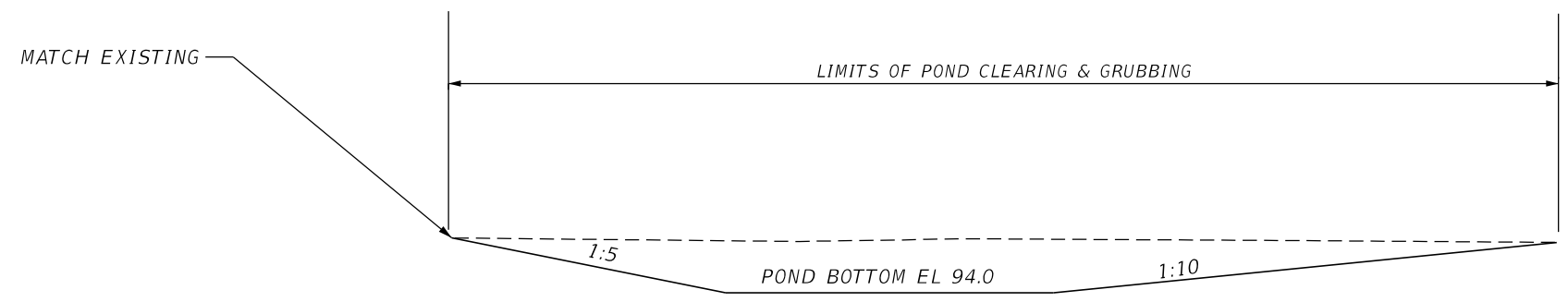
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

POND PLAN (3)

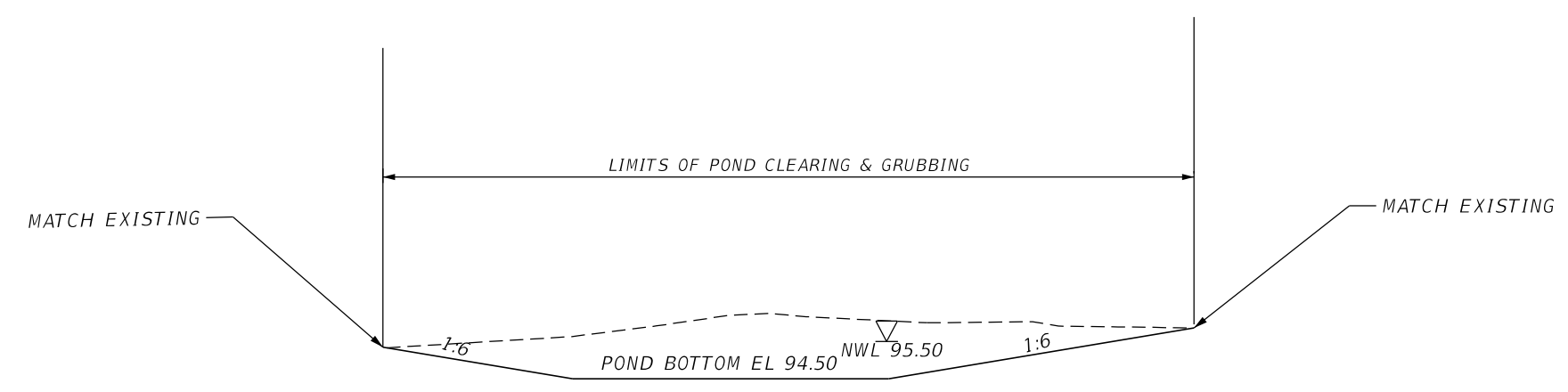
SHEET NO.
119



PSS-1
TYPICAL SECTION A-A

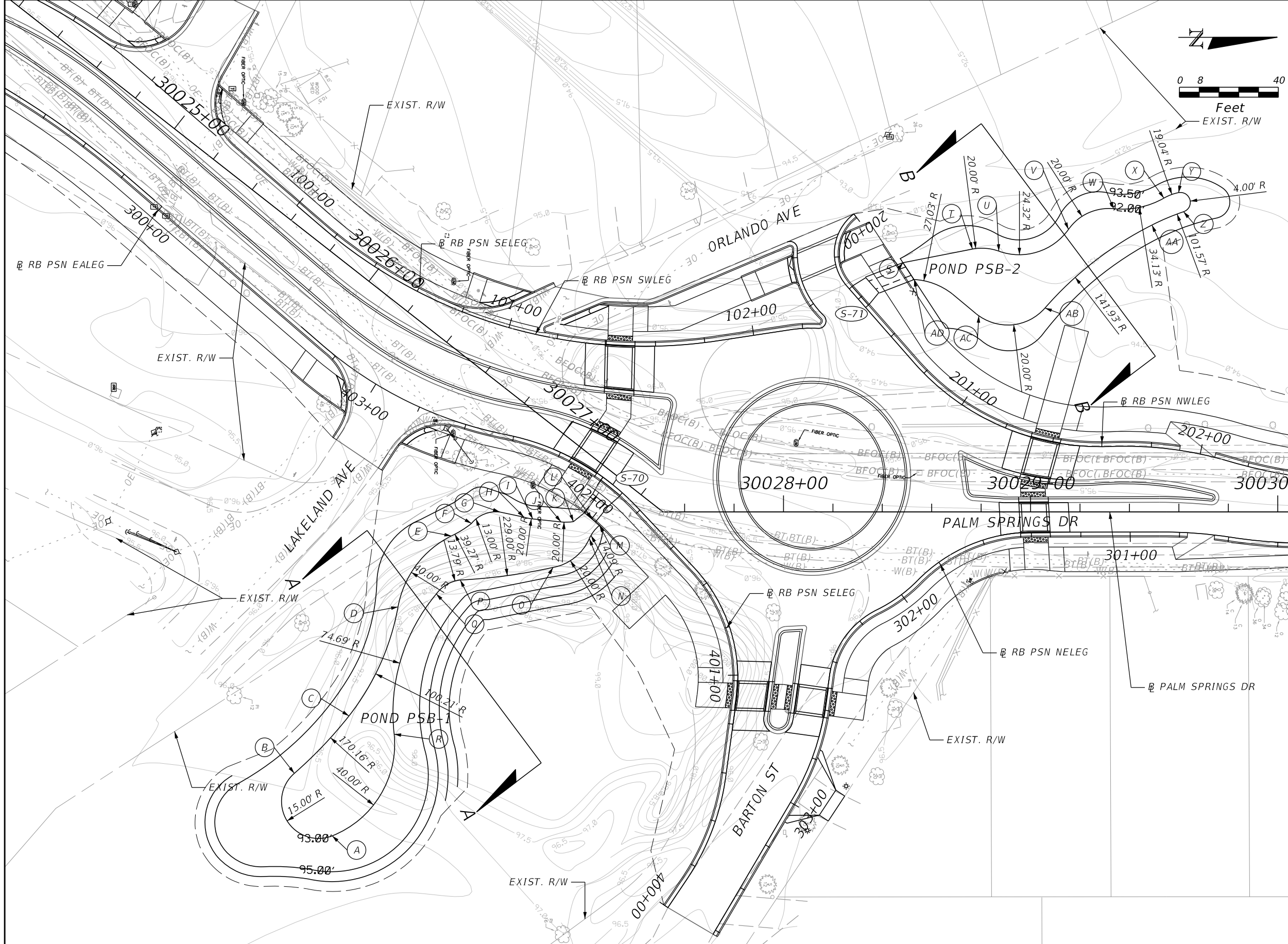


PSS-2
TYPICAL SECTION B-B



PSS-3
TYPICAL SECTION C-C

REVISIONS				<small>MARK W. SUAREZ, P.E. LICENSE NO. 76977</small> 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. 120
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.	01907084		



	STATION	OFFSET
A	30027+26.78	185.67' RT
B	30026+99.10	175.27' RT
C	30027+02.17	143.30' RT
D	30026+90.57	96.35' RT
E	30026+89.83	60.48' RT
F	30026+93.12	51.47' RT
G	30026+99.32	40.74' RT
H	30027+08.28	36.38' RT
I	30027+11.55	34.73' RT
J	30027+21.26	28.62' RT
K	30027+25.15	25.43' RT
L	30027+30.38	19.89' RT
M	30027+34.38	20.15' RT
N	30027+34.47	26.85' RT
O	30027+30.10	45.10' RT
P	30027+03.71	72.29' RT
Q	30026+99.55	82.70' RT
R	30027+21.13	137.83' RT
S	30028+48.37	100.77' LT
T	30028+76.50	106.28' LT
U	30028+87.17	105.45' LT
V	30029+15.32	114.26' LT
W	30029+33.64	122.61' LT
X	30029+53.66	126.76' LT
Y	30029+59.89	129.12' LT
Z	30029+61.92	121.41' LT
AA	30029+49.10	116.02' LT
AB	30029+05.81	82.44' LT
AC	30028+79.06	79.33' LT
AD	30028+52.95	93.98' LT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

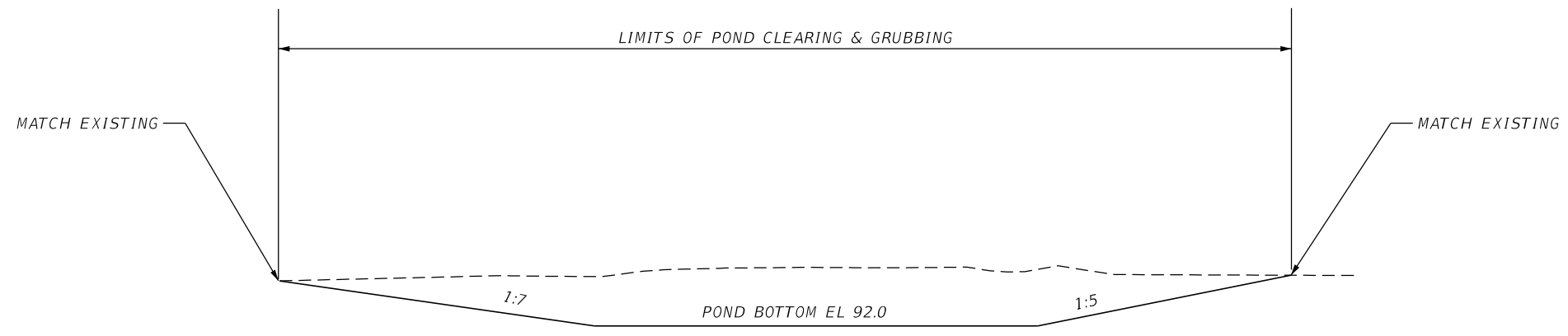


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

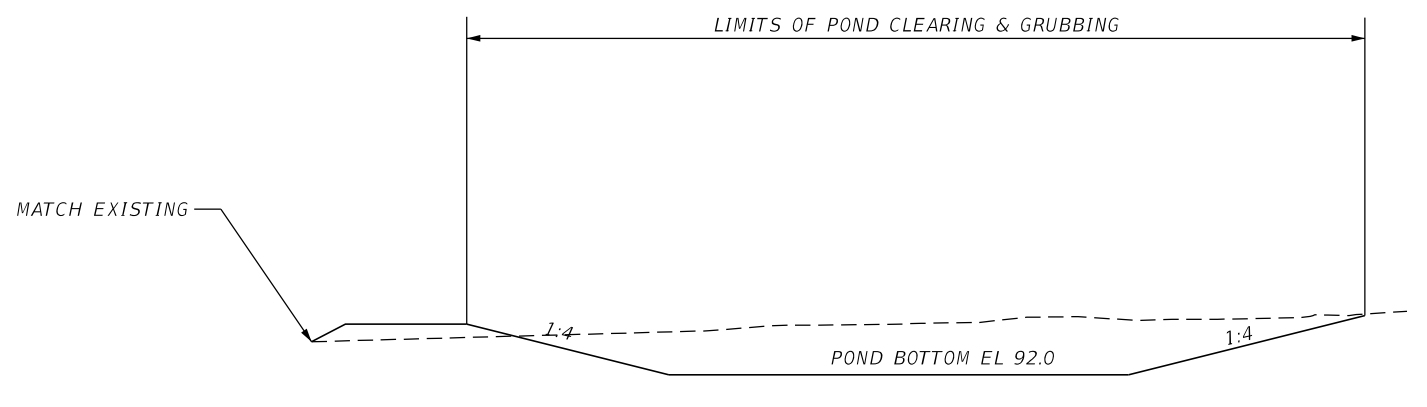
ROAD	COUNTY CIP No.
RAYMOND AVE., NORTH ST., PALM SPRINGS DR.	01907084

POND PLAN (4)


SHEET NO.
121

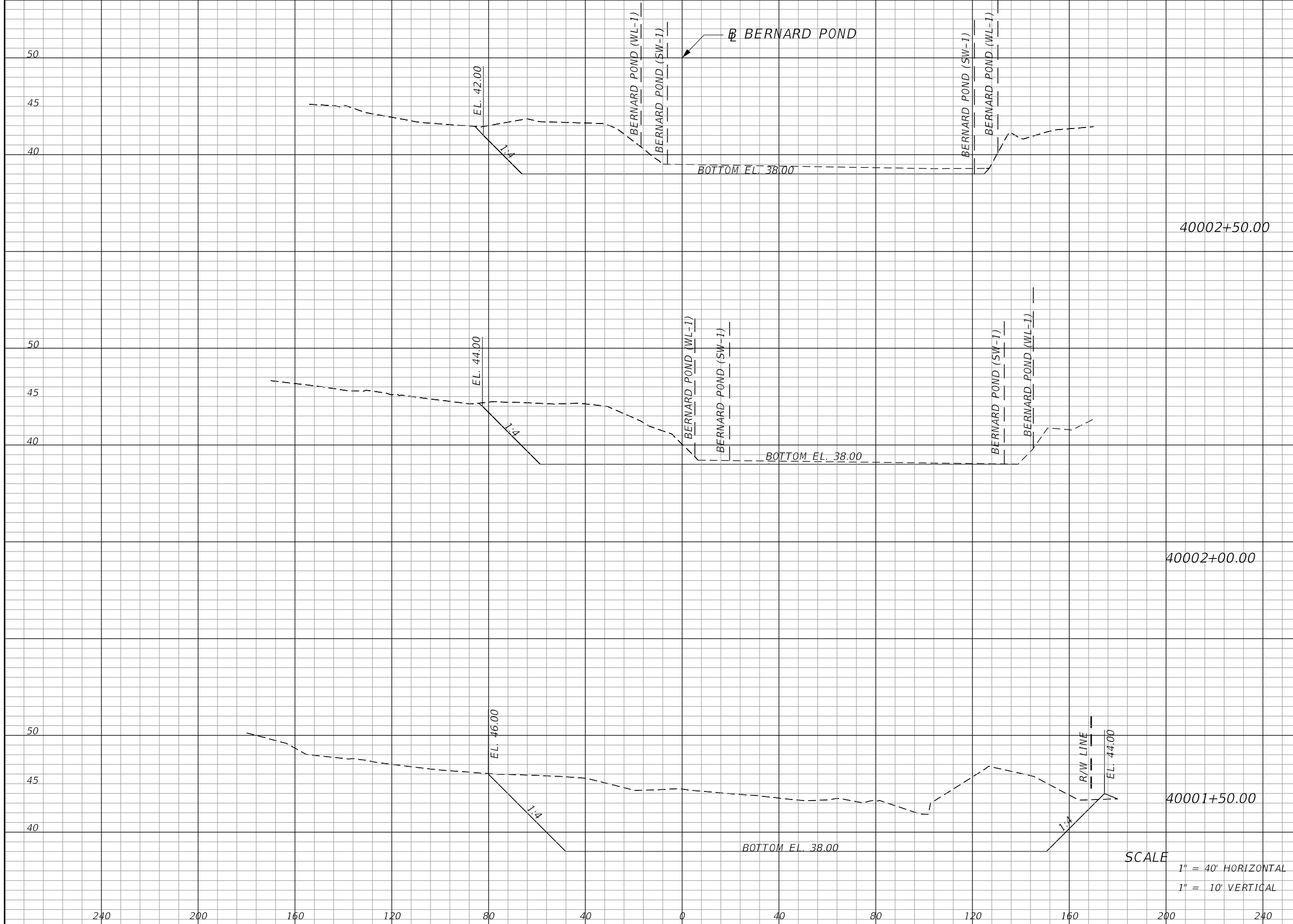


PSB-1 POND
TYPICAL SECTION A-A



PSB-2 POND
TYPICAL SECTION B-B

REVISIONS				<small>MARK W. SUAREZ, P.E. LICENSE NO. 76977</small>  <small>315 E. ROBINSON ST. SUITE 400 ORLANDO, FL 32801 PHONE 407.420.4200 FAX 407.420.4242</small>	<small>SEMINOLE COUNTY</small> <small>ENGINEERING DIVISION</small> <small>ROLLING HILLS AREA ROADWAYS PHASE 1</small>		<p><i>POND TYPICAL SECTION</i></p>	<small>SHEET NO.</small> 122
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		
					<small>RAYMOND AVE.,NORTH ST.,PALM SPRINGS DR.</small>	01907084		
					<small>SUSERS</small>	<small>SDATES</small>	<small>STIMES</small>	<small>SFILES</small>



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
40002+50.00	416	631	0	0	0	0
40002+00.00	424	778	0	0	0	0
40001+50.00	1434	1721	3	0	0	0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
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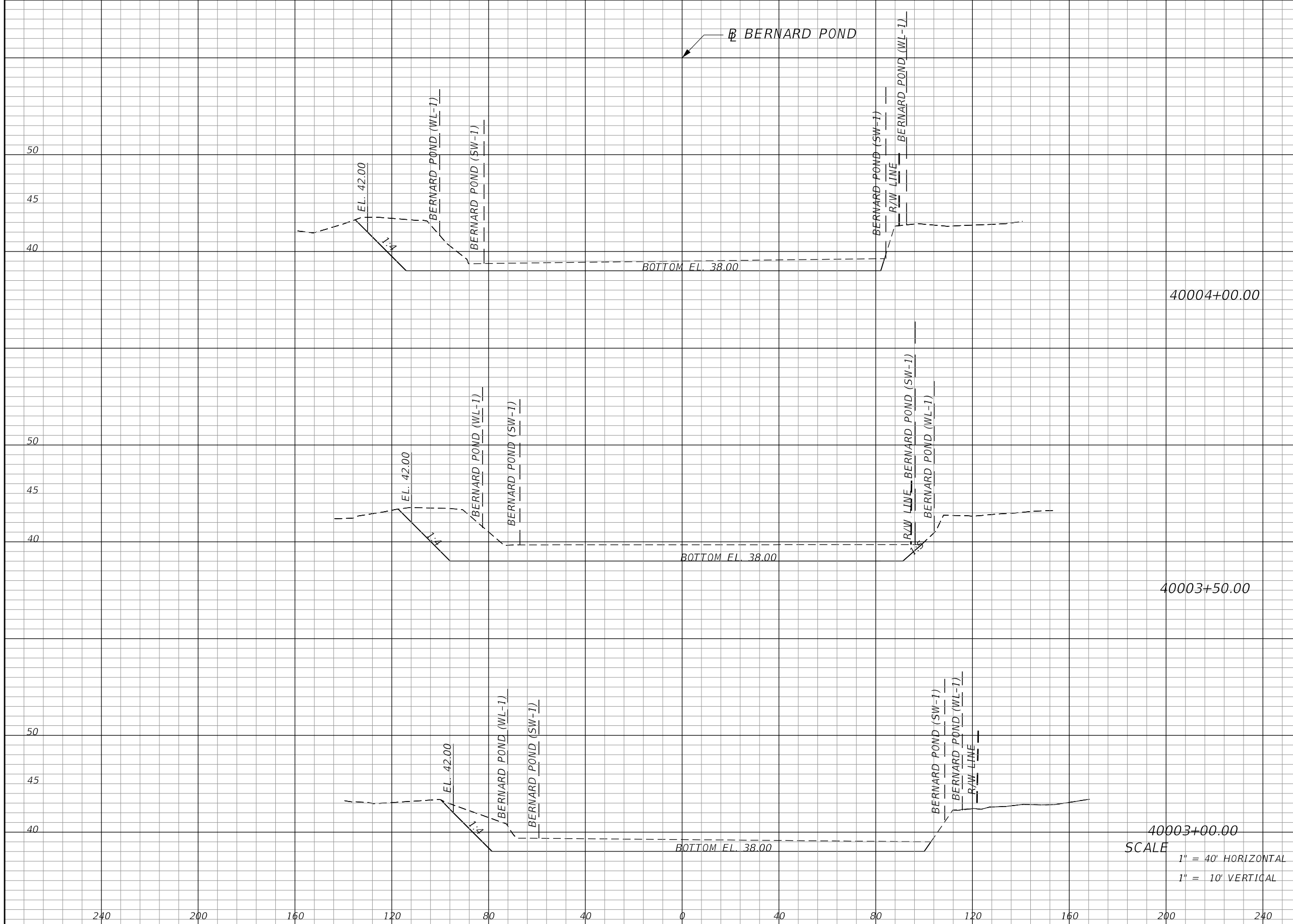


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

**POND CROSS
 SECTIONS SHEETS
 BERNARD POND**

SHEET NO.
123



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

40003+00.00
 SCALE
 1" = 40' HORIZONTAL
 1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

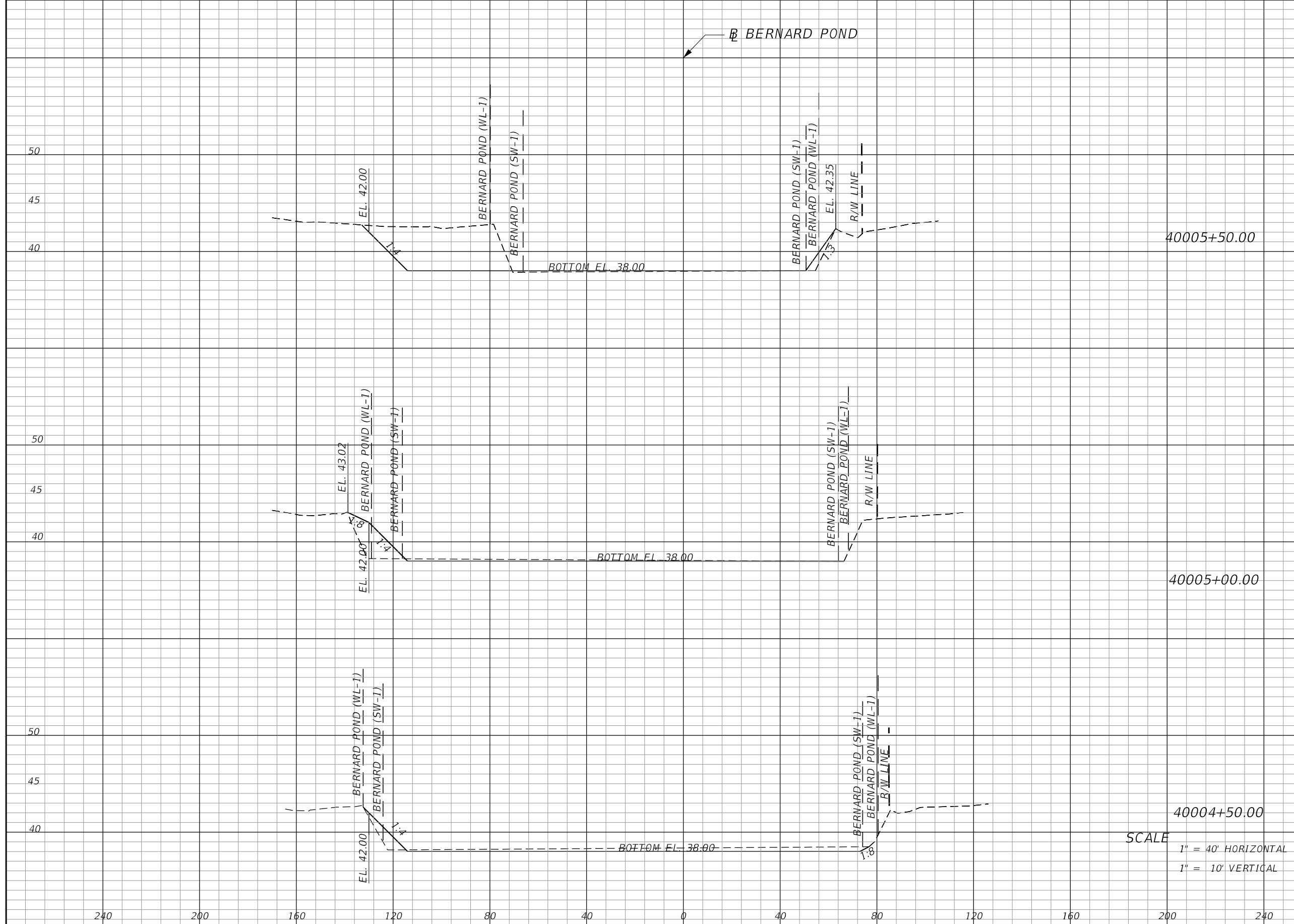
MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
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 ORLANDO, FL 32801
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

**POND CROSS
 SECTIONS SHEETS
 BERNARD POND**

SHEET NO.
125



Regular		Exc.		Embankment	
A	V	A	V	A	V
223	528	17	17		
22	227	47	60		
64	80	17	60		

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
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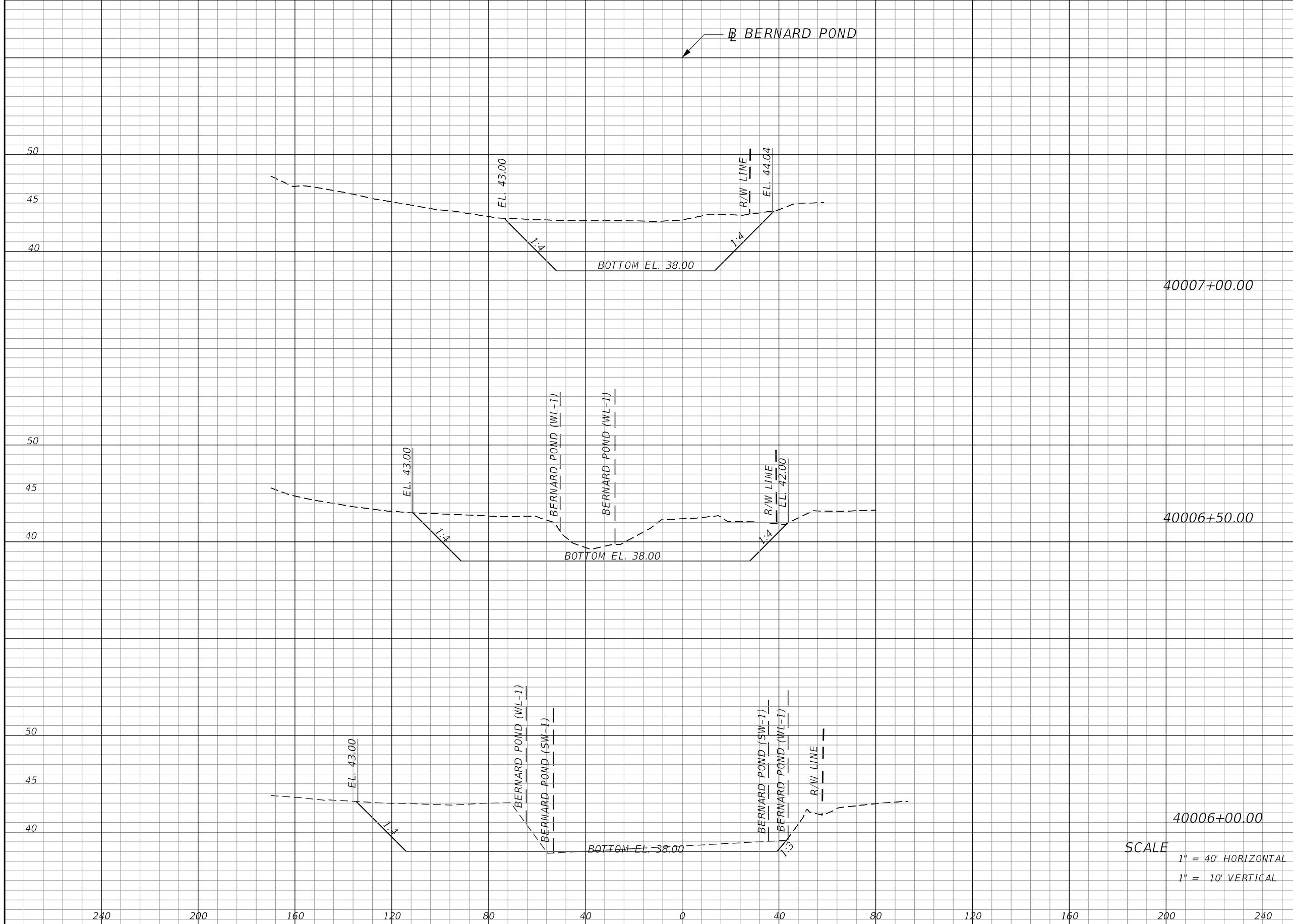


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

**POND CROSS
 SECTIONS SHEETS
 BERNARD POND**

SHEET NO.
126



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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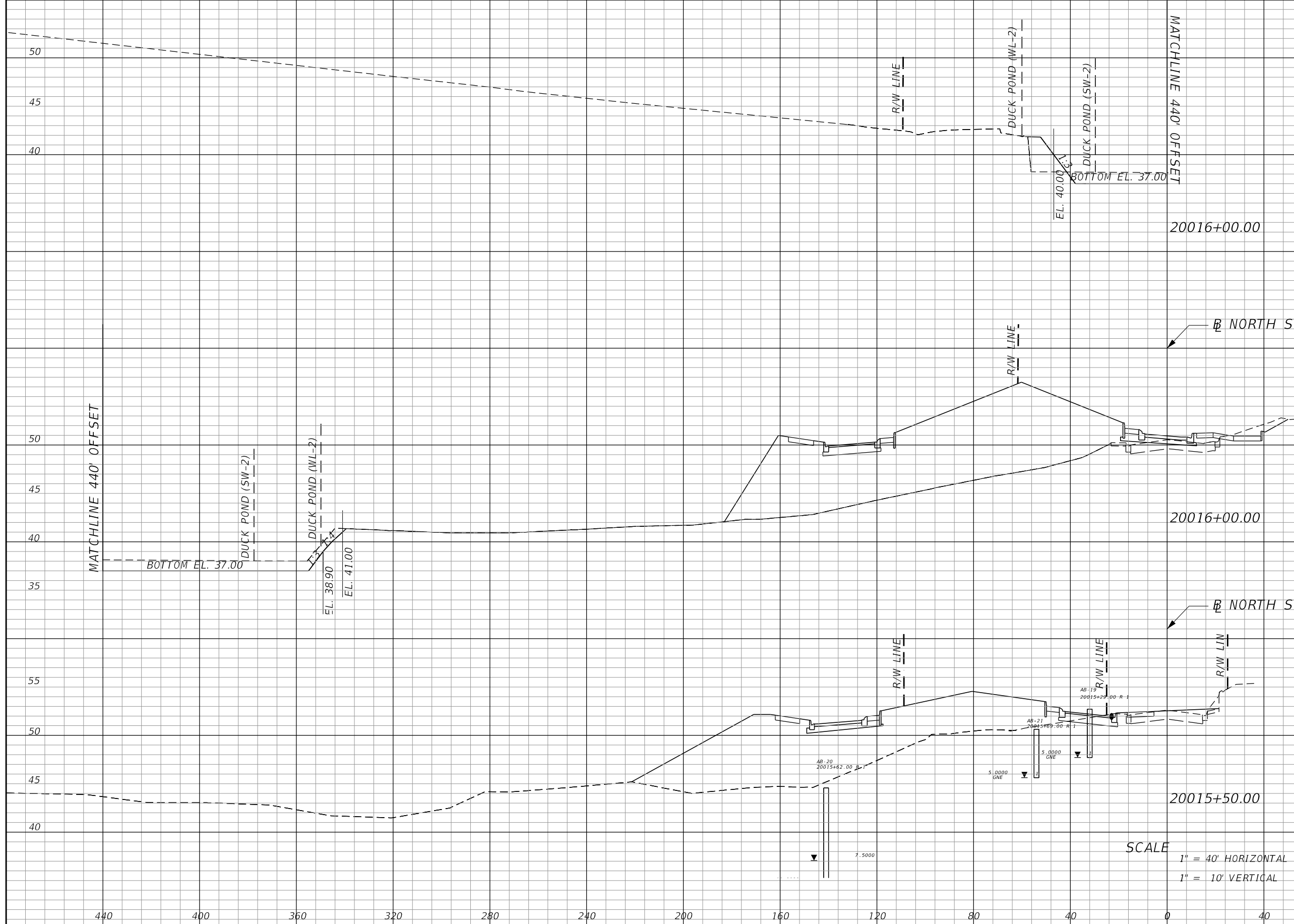


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

**POND CROSS
 SECTIONS SHEETS
 BERNARD POND**

SHEET NO.
127



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

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

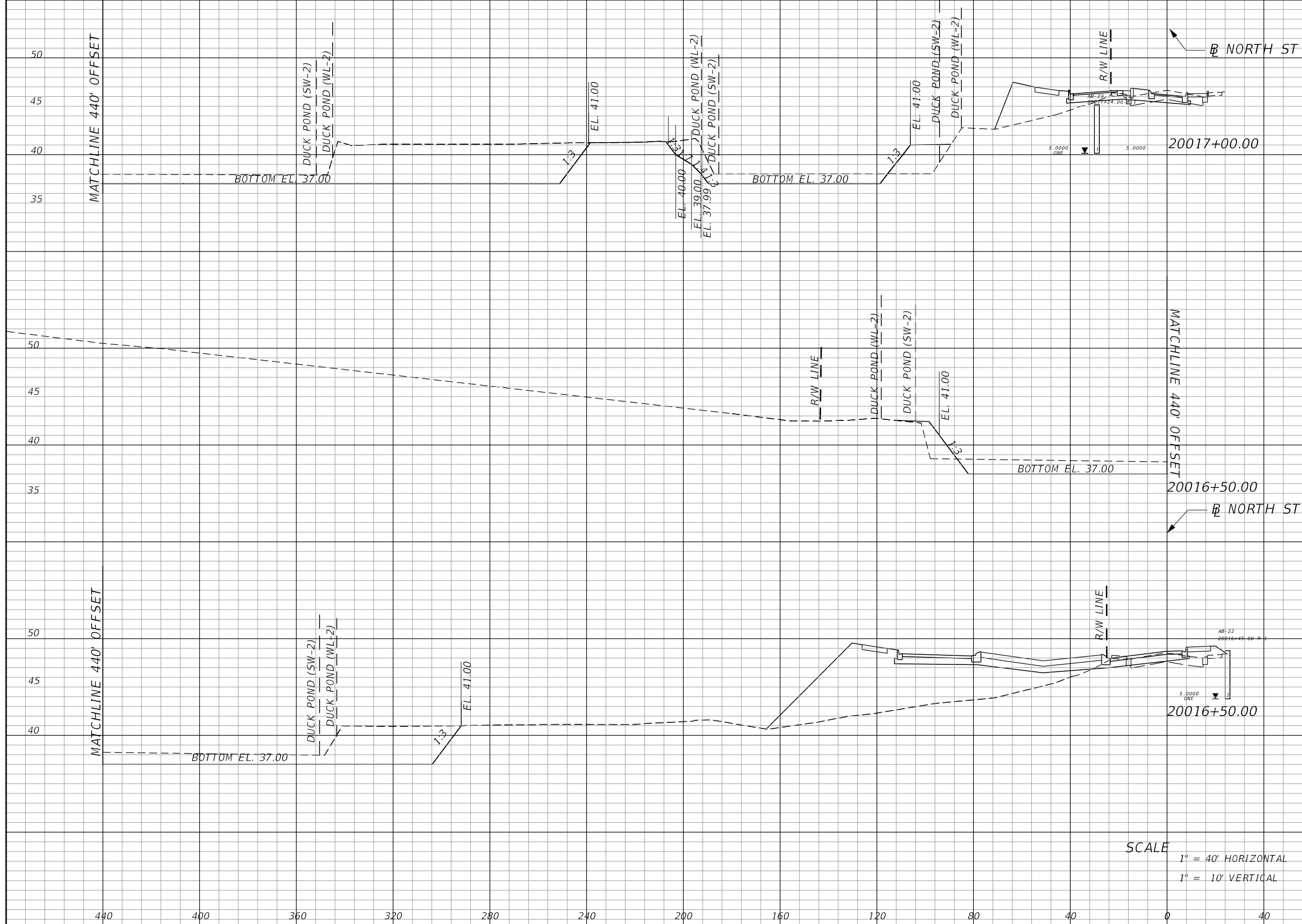


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

POND CROSS
 SECTIONS SHEETS
 DUCK POND

SHEET NO.
 128



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK W. SUAREZ, P.E. LICENSE NO. 76977
 315 E. ROBINSON ST.
 SUITE 400
 ORLANDO, FL 32801
 PHONE 407.420.4200
 FAX 407.420.4242

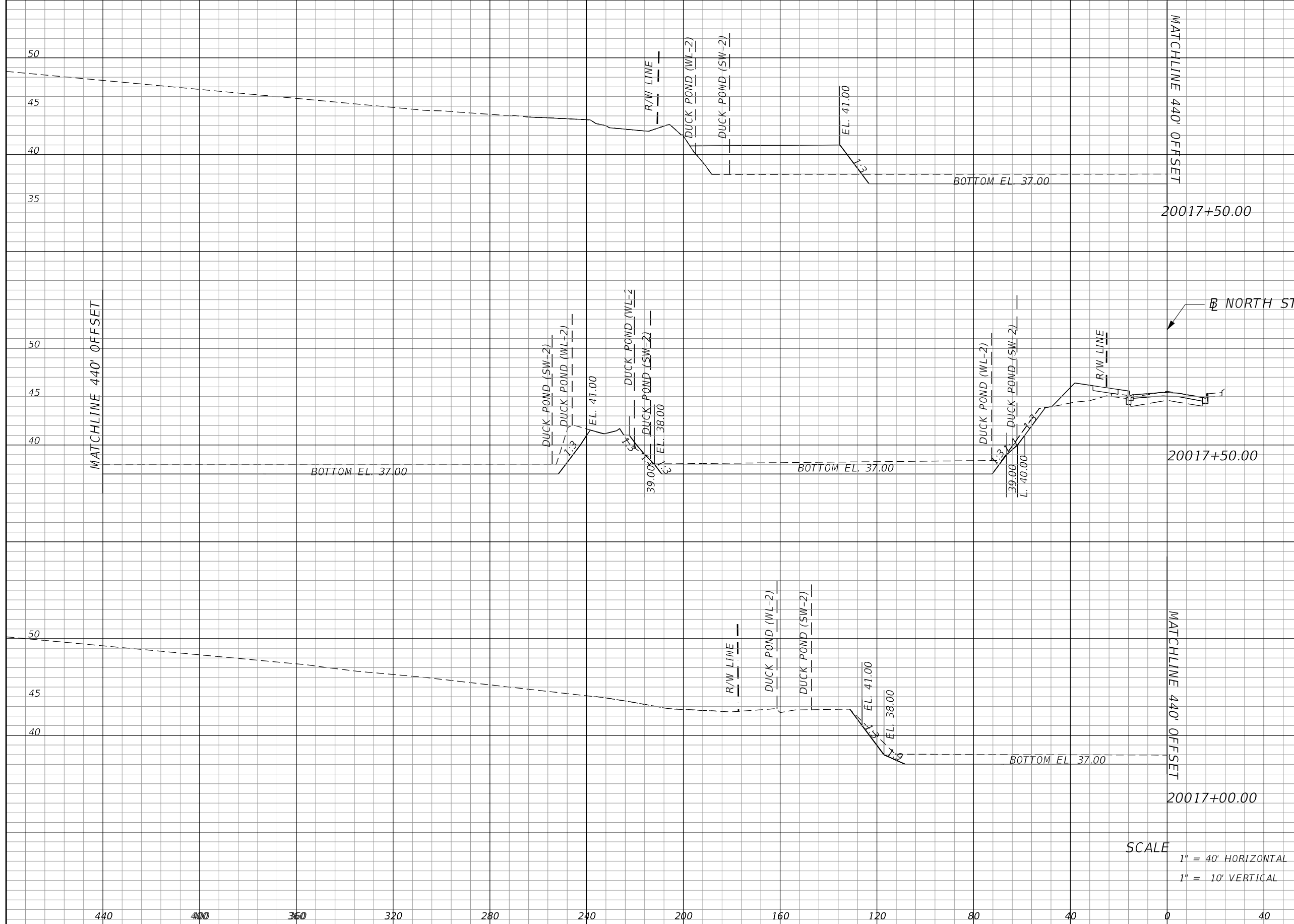


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

**POND CROSS
 SECTIONS SHEETS
 DUCK POND**

SHEET NO.
129



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

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

REVISIONS			
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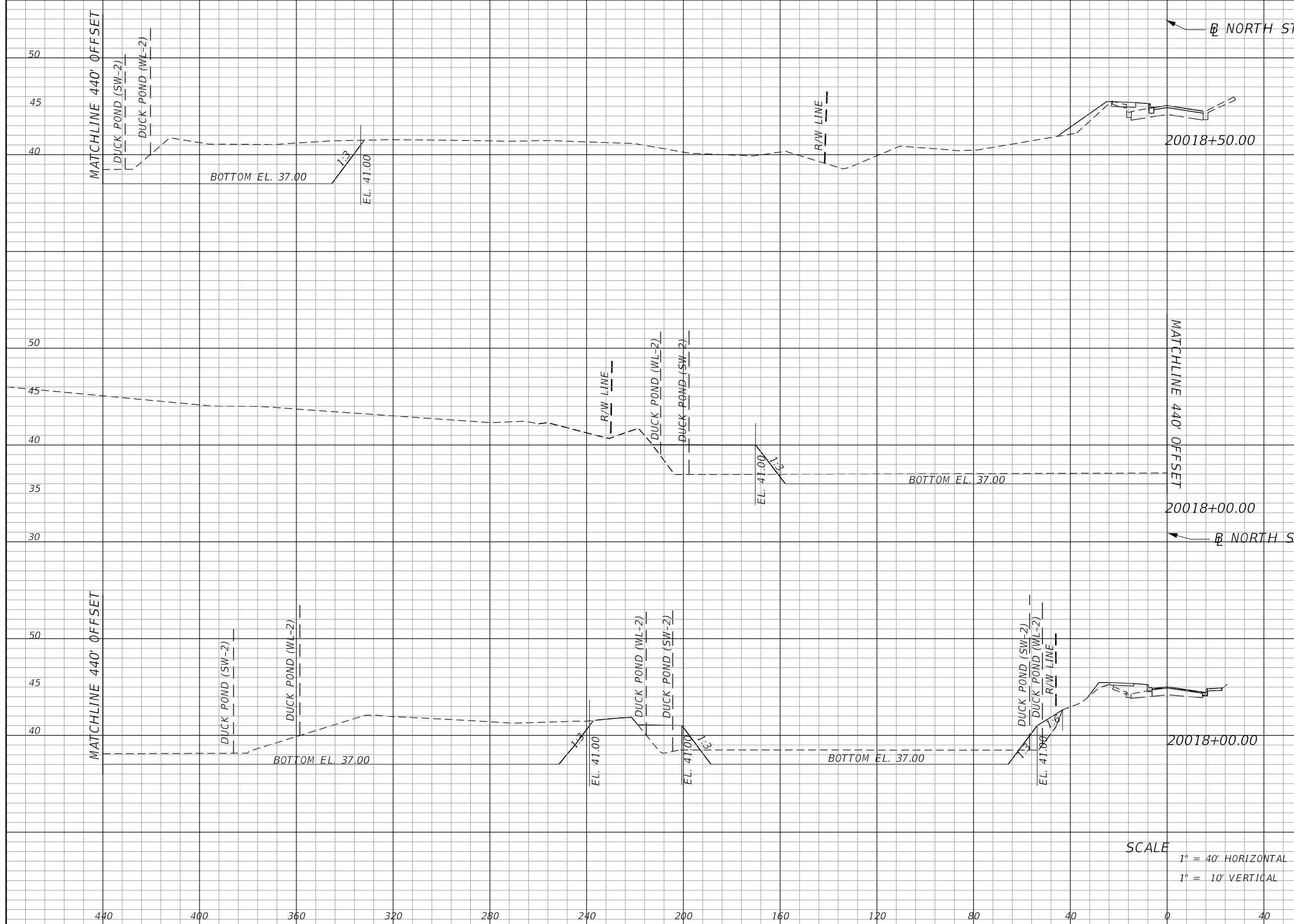


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

**POND CROSS
 SECTIONS SHEETS
 DUCK POND**

SHEET NO.
130



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

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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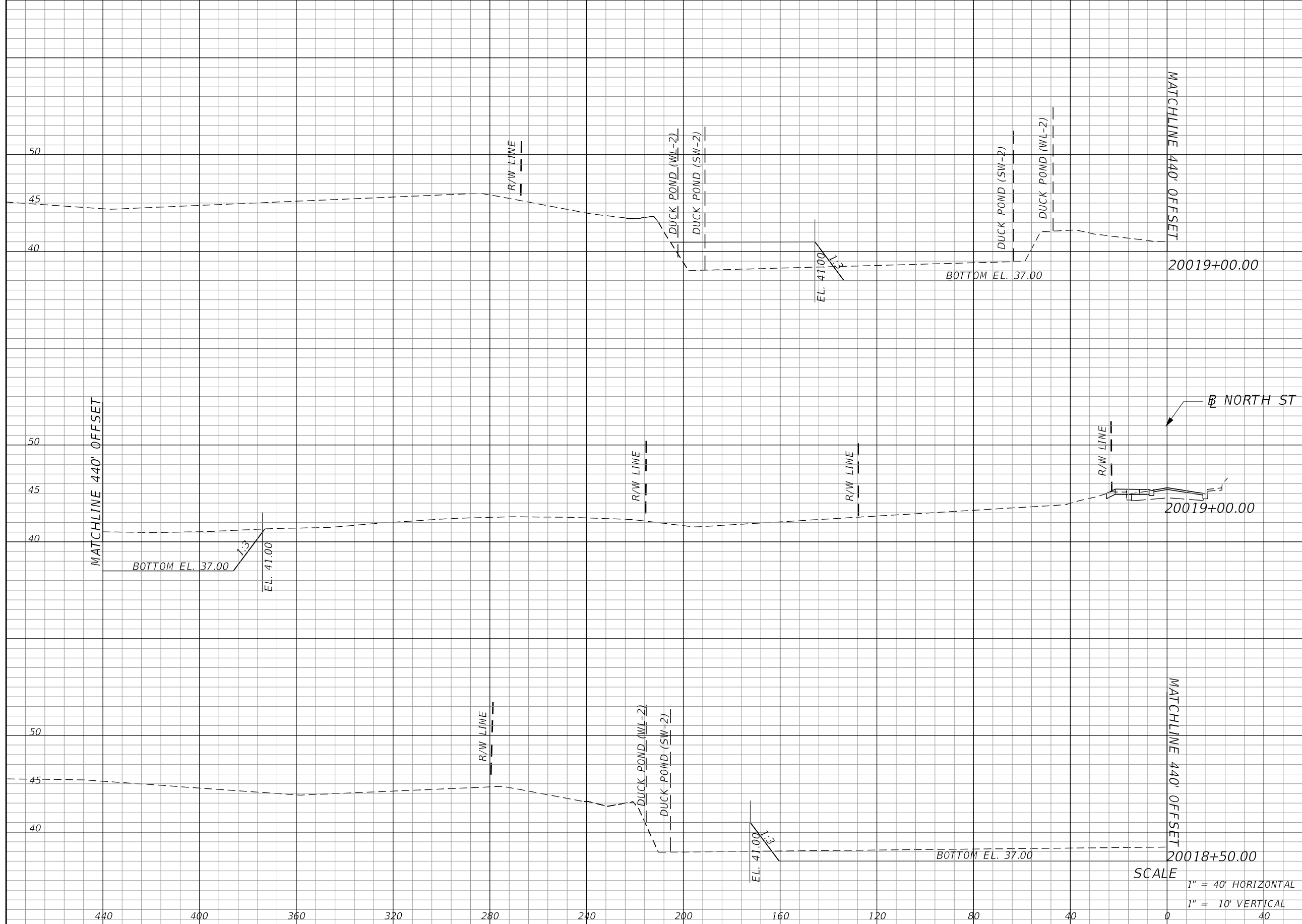
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

POND CROSS
 SECTIONS SHEETS
 DUCK POND

SHEET NO.
 131

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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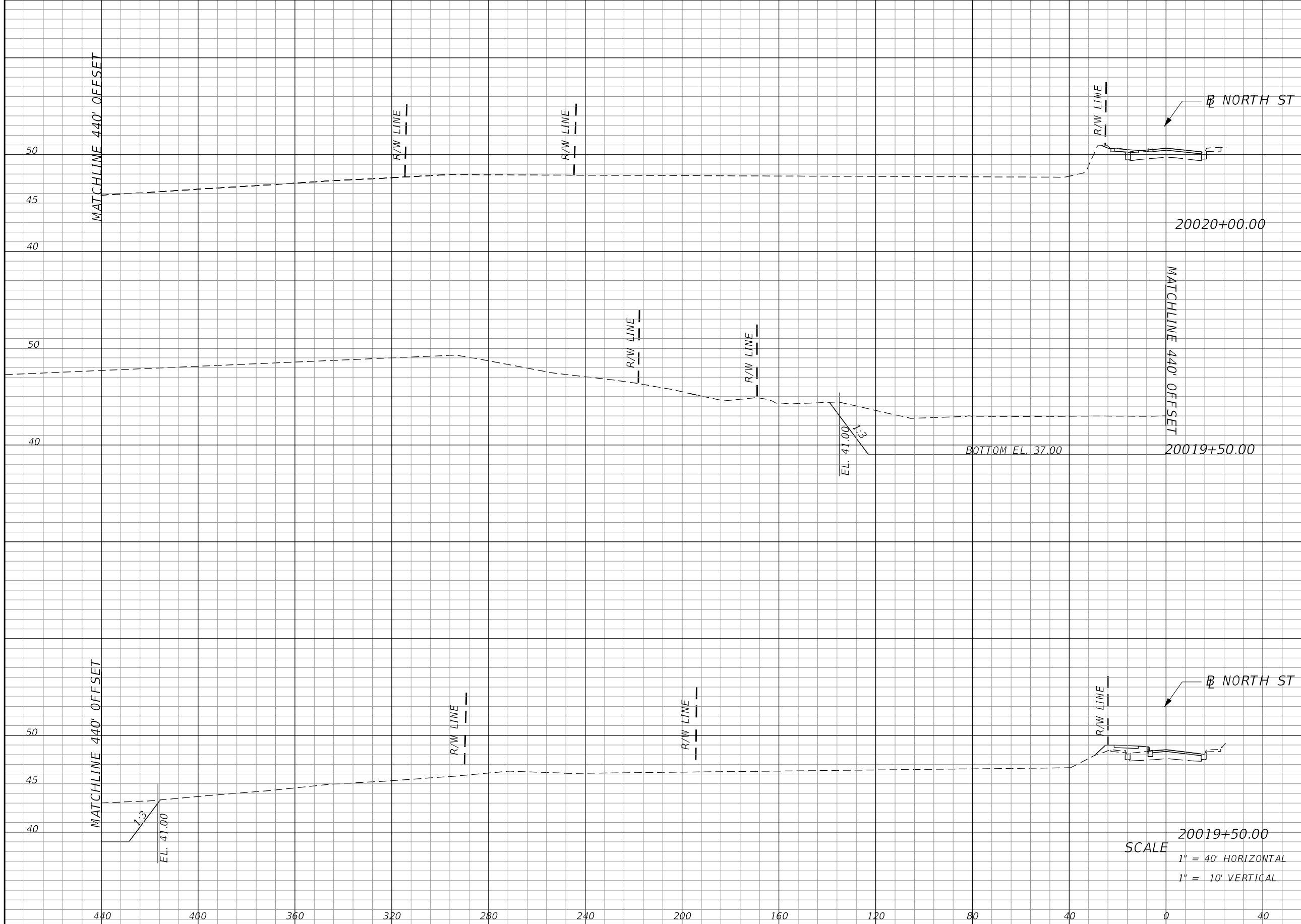


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

**POND CROSS
 SECTIONS SHEETS
 DUCK POND**

SHEET NO.
132



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

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

REVISIONS			
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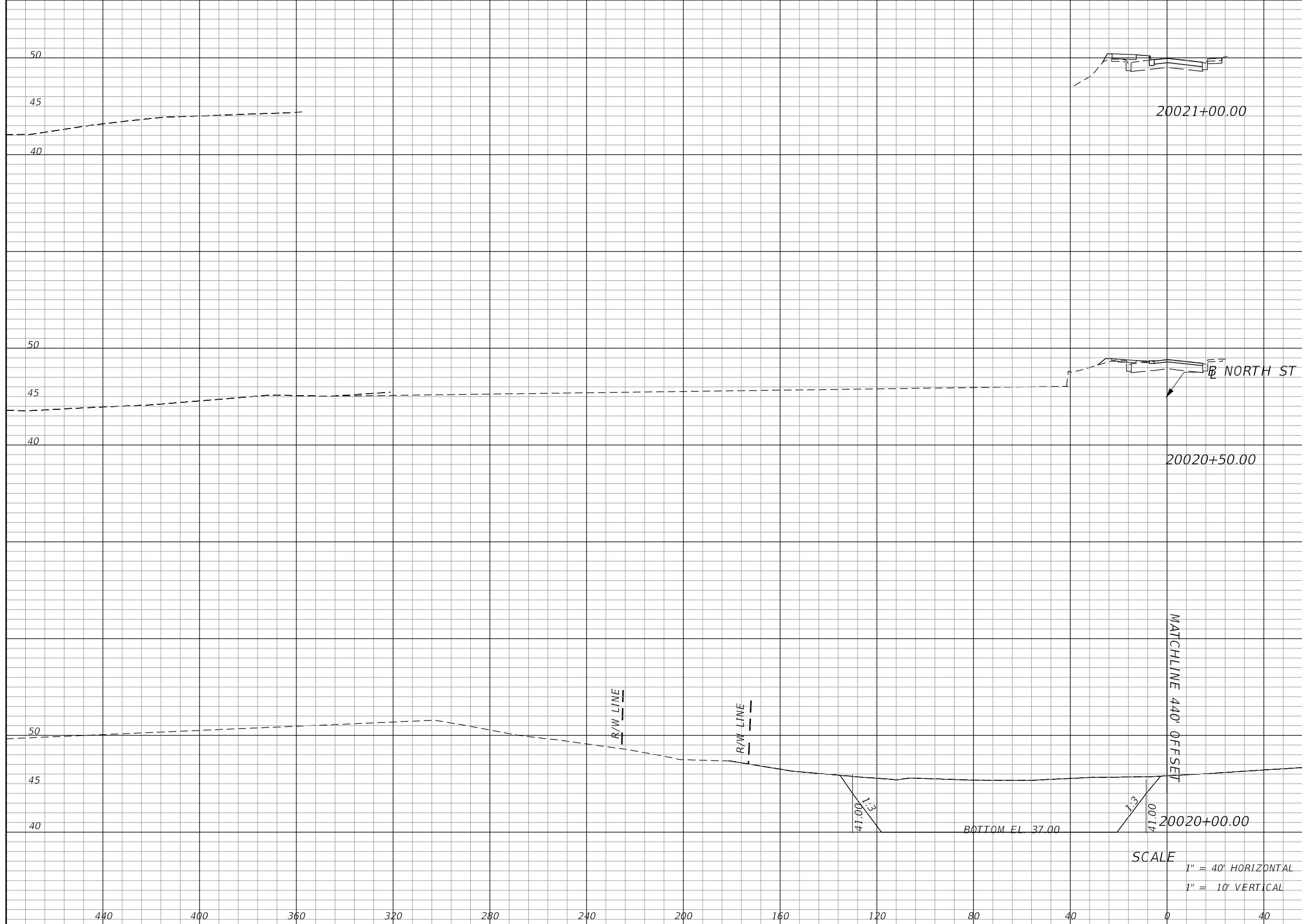


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

**POND CROSS
 SECTIONS SHEETS
 DUCK POND**

SHEET NO.
133



Regular		Exc.		Embankment	
A	V	A	V	A	V
0		0		0	
	0		0		0
0		0		0	
	585		0		0
632		0			

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

REVISIONS			
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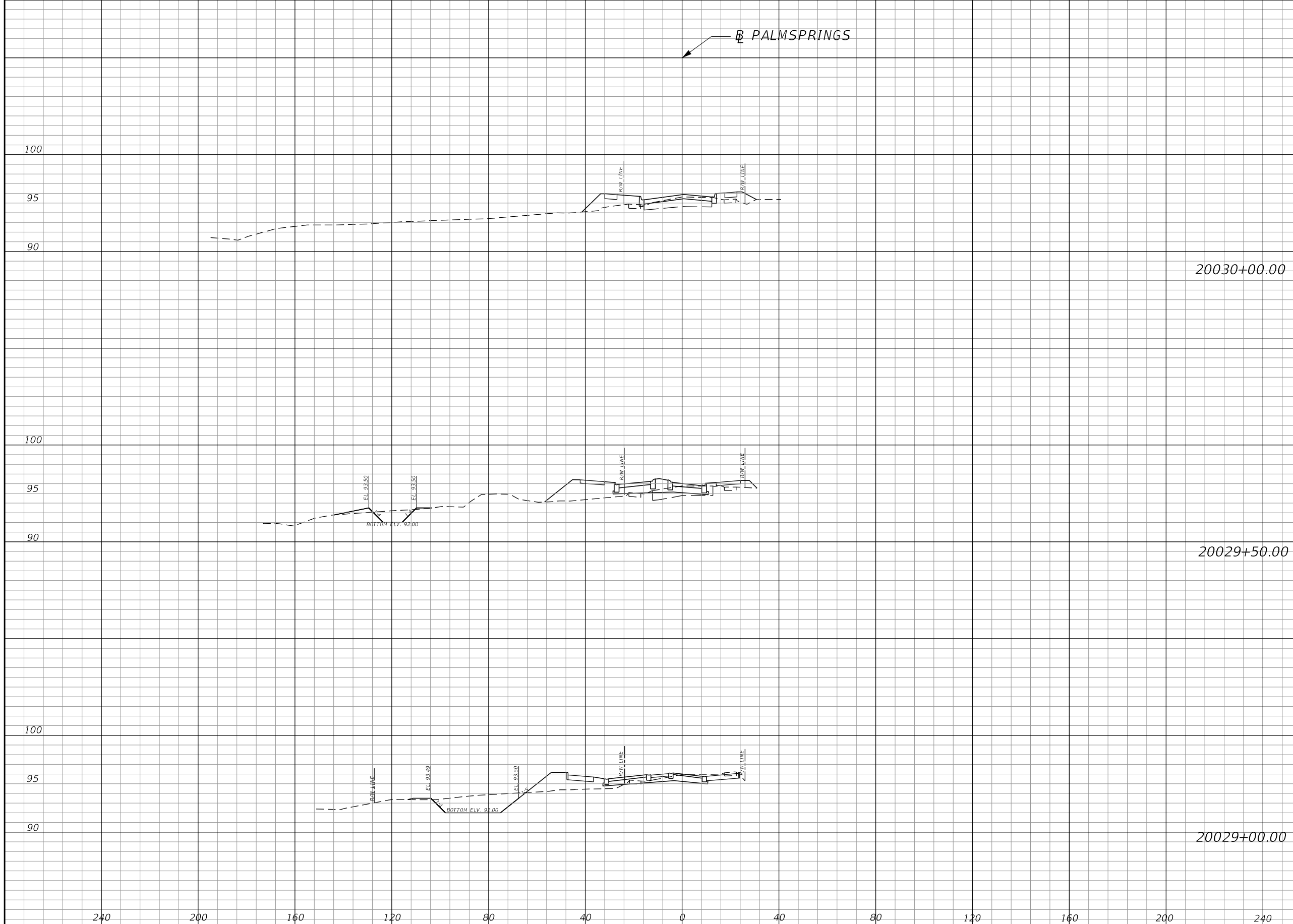


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

**POND CROSS
 SECTIONS SHEETS
 DUCK POND**

SHEET NO.
134



Regular		Exc.		Embankment	
A	V	A	V	A	V
	0		0		0
0		0			
	14		4		4
15		4			
	64		5		5
54		1			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

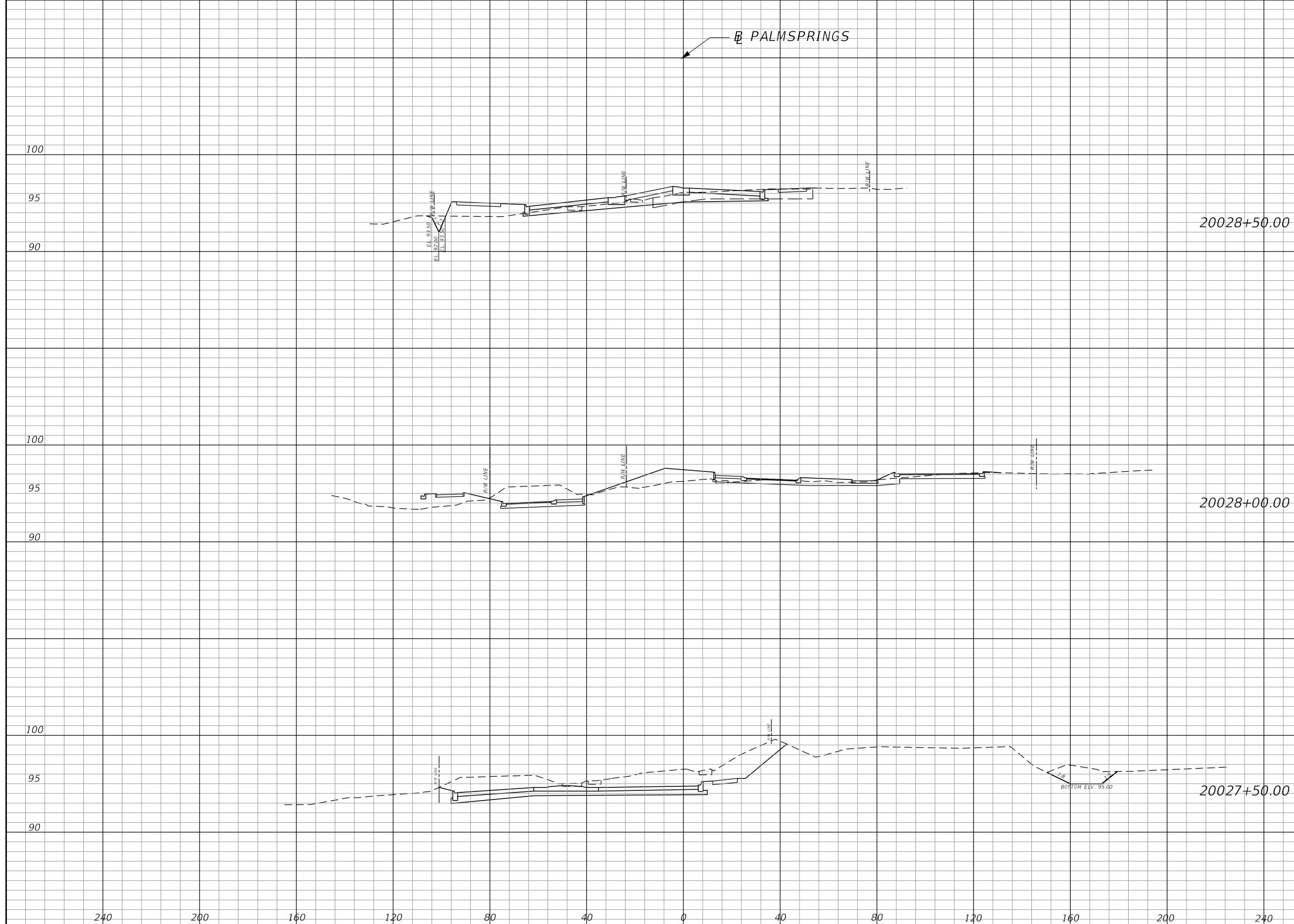
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SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

**POND CROSS
 SECTIONS SHEETS
 PSB PONDS**

SHEET NO.
135



Regular		Exc.		Embankment	
A	V	A	V	A	V
	55				1
5		0			
	5				0
0		0			
	34				0
36		0			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

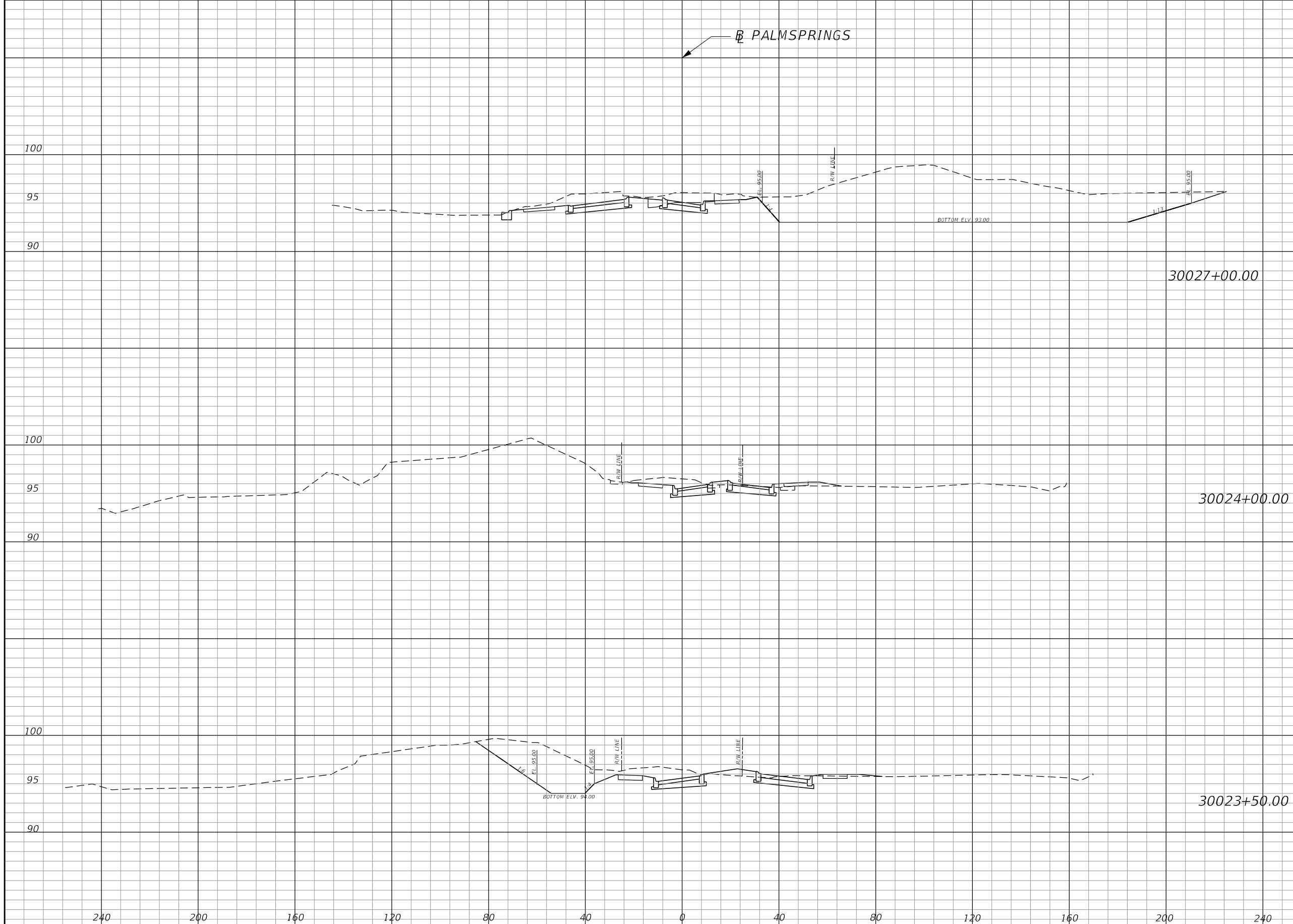
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 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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**POND CROSS
 SECTIONS SHEETS
 PSB PONDS**

SHEET NO.
136



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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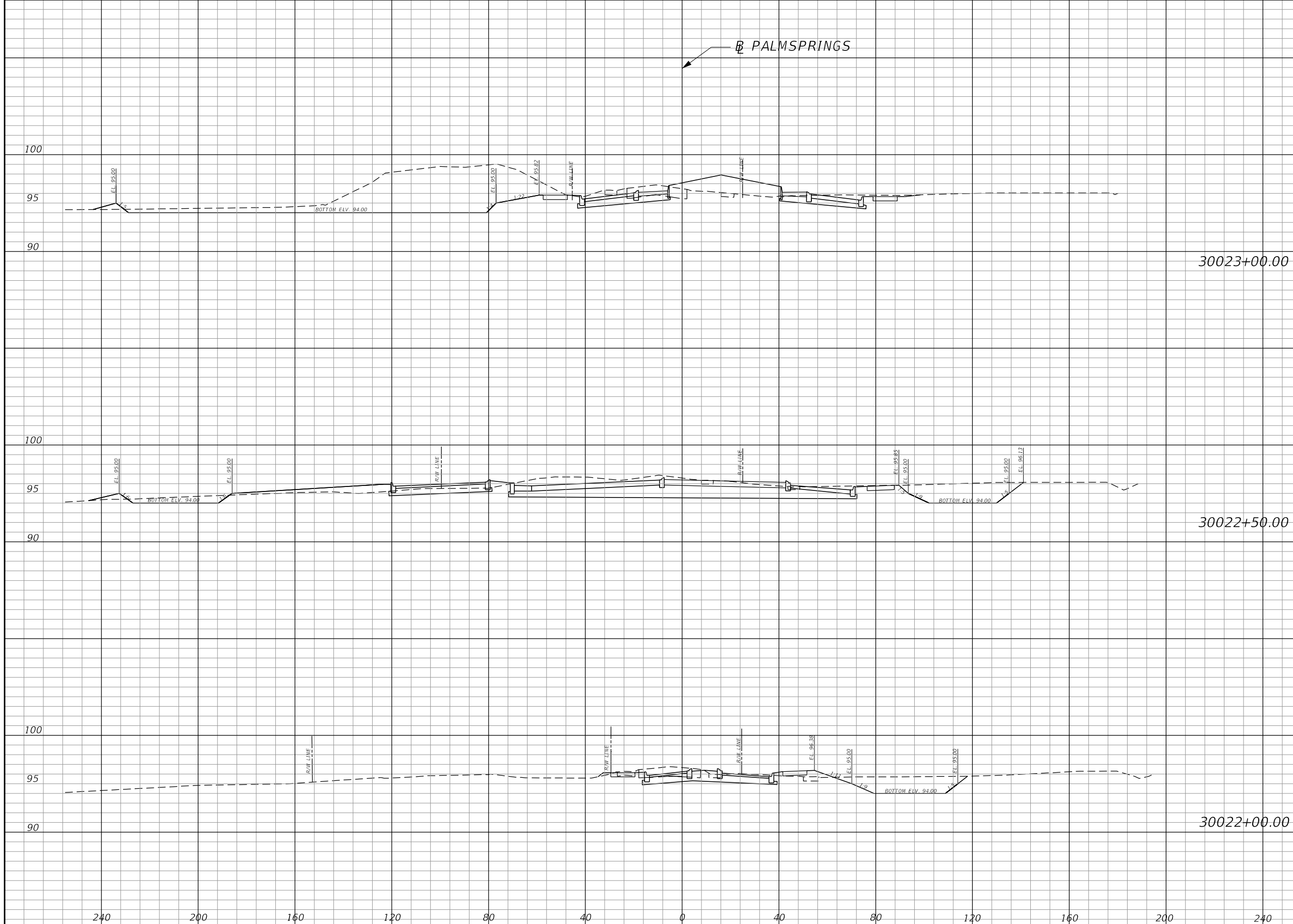


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

**POND CROSS
 SECTIONS SHEETS
 PSS & PSB PONDS**

SHEET NO.
137



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

REVISIONS			
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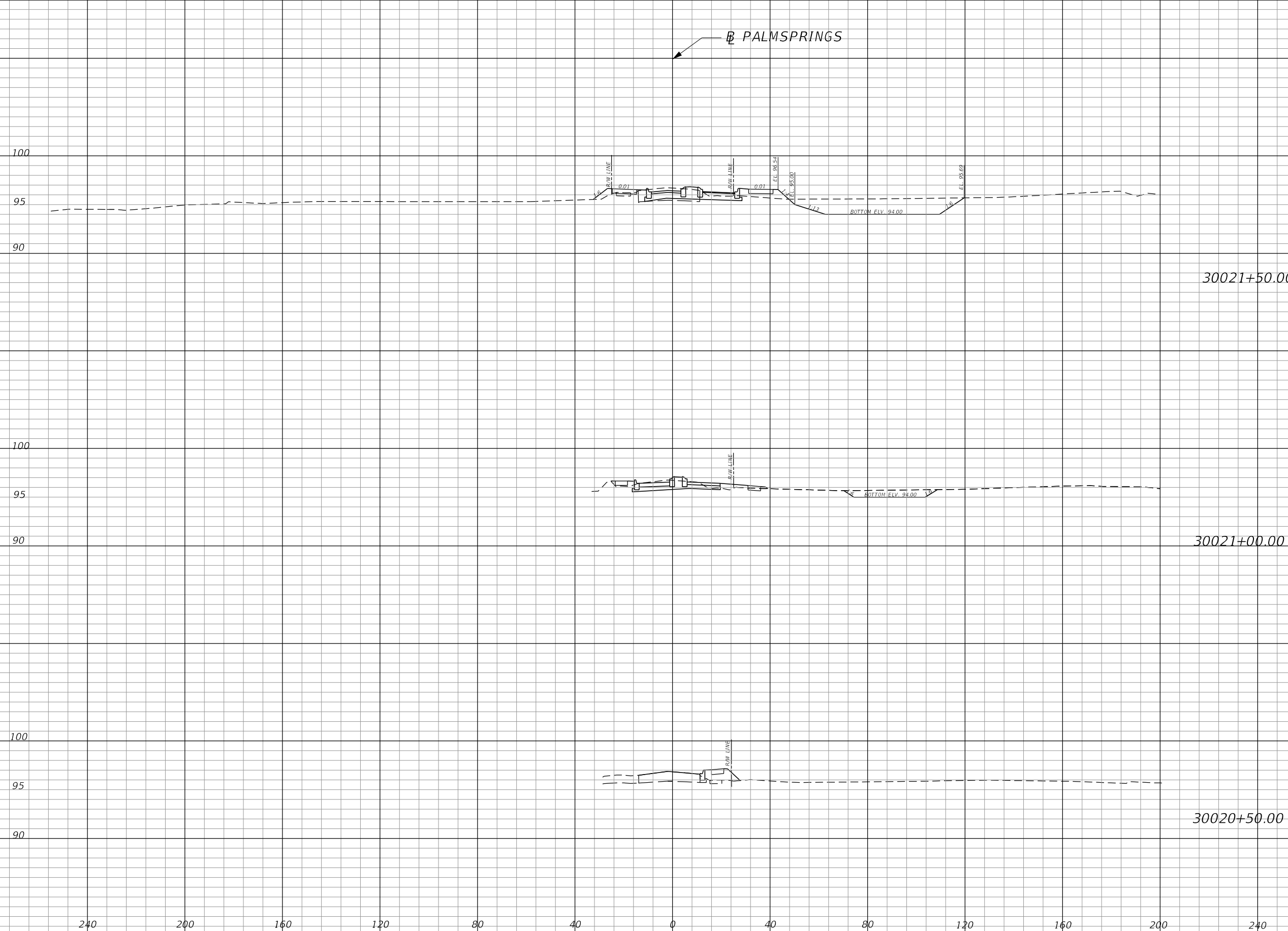
SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

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

POND CROSS
 SECTIONS SHEETS
 PSS PONDS

SHEET NO.
 138

PALMSPRINGS



Regular Exc.		Embankment	
A	V	A	V
	160	0	0
99		0	
	114	0	0
24		0	
	0	0	0
0		0	

REVISIONS			
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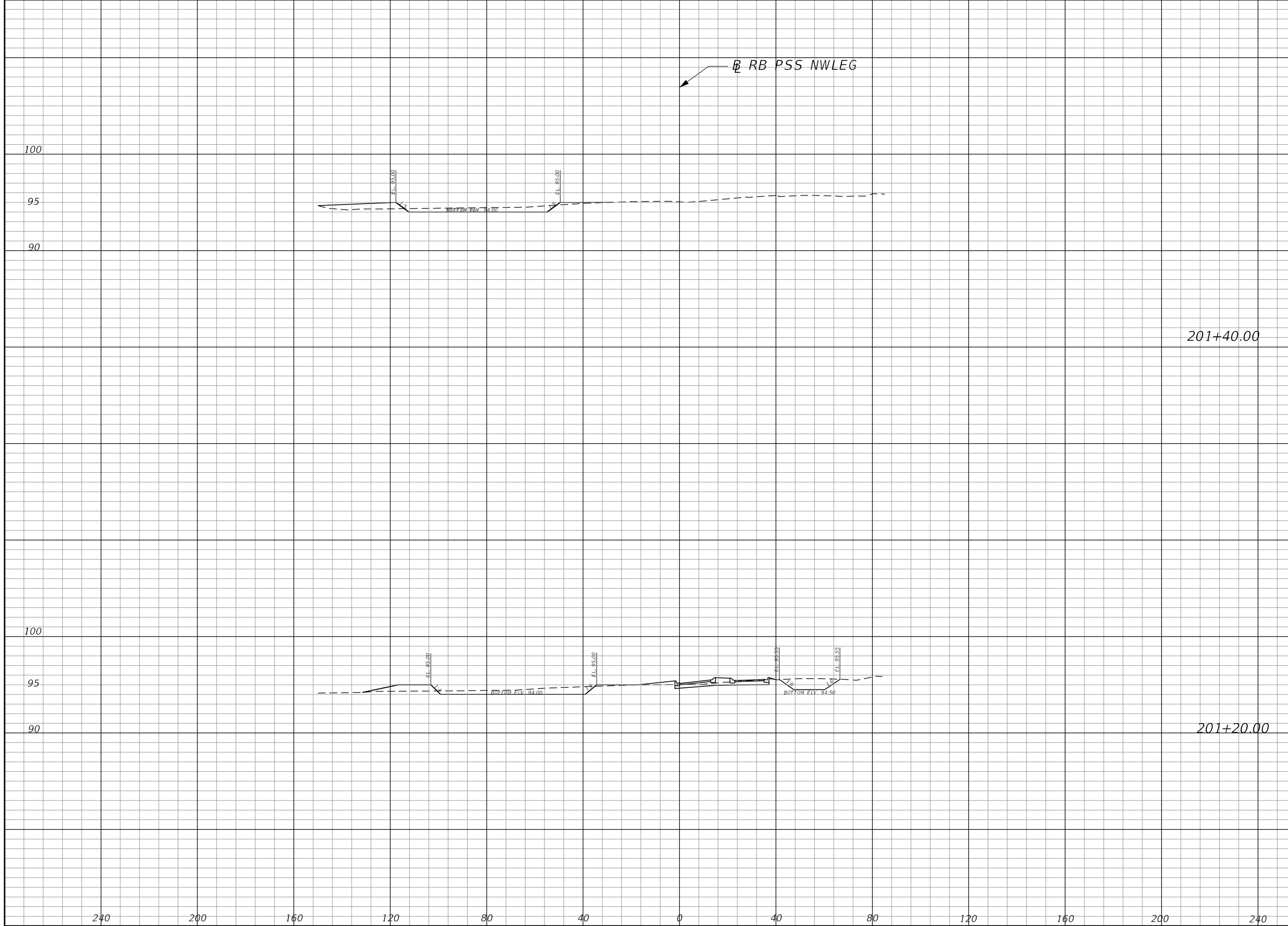


SEMINOLE COUNTY
 ENGINEERING DIVISION
 ROLLING HILLS AREA ROADWAYS PHASE 1

ROAD	COUNTY CIP No.
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POND CROSS
 SECTIONS SHEETS
 PSS PONDS

SHEET NO.
 139



RB PSS NWLEG

Regular		Exc.		Embankment	
A	V	A	V	A	V
			25		19
27		20			
			30		14
54		16			

REVISIONS			
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 ROLLING HILLS AREA ROADWAYS PHASE 1

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POND CROSS
 SECTIONS SHEETS
 PSS PONDS

SHEET NO.
 140