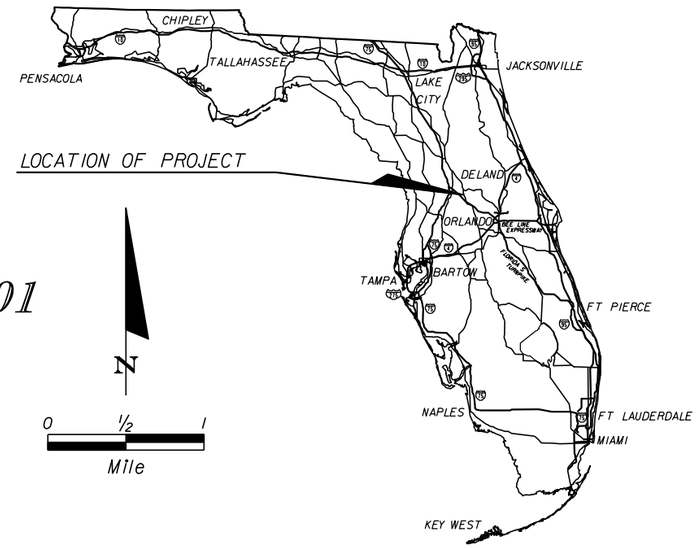
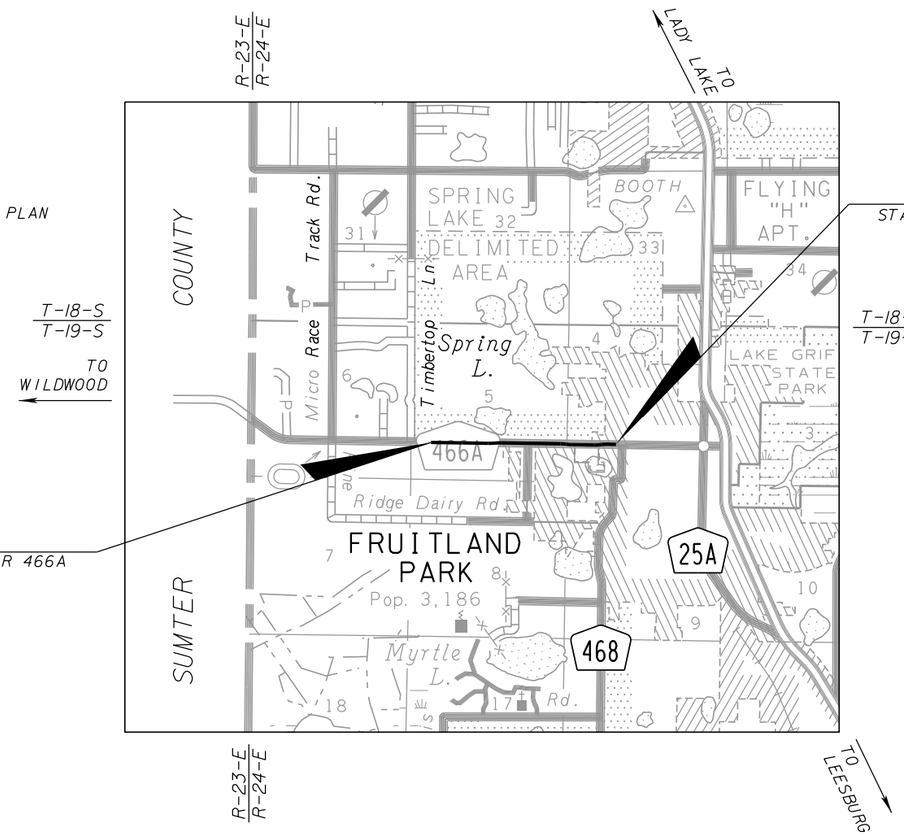
CONSTRUCTION PLANS FOR COUNTY ROAD 466A PHASE 3B FROM EAST OF TIMBERTOP LANE TO EAST OF POINSETTIA AVENUE LAKE COUNTY, FLORIDA FINANCIAL PROJECT ID 430253-6-54-01

INDEX OF ROADWAY PLANS

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7	EXISTING DRAINAGE STRUCTURES & SUMMARY OF AREAS
8 - 9	TYPICAL SECTIONS
~~10~~	
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16 - 18	PROJECT LAYOUT
19	GENERAL NOTES
20 - 25	ROADWAY PLAN-PROFILES
26 - 28	SIDE STREET PROFILES
29	SPECIAL DETAILS
30 - 37,37A	DRIVEWAY DETAILS
38 - 39	DRAINAGE STRUCTURES
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44 - 60	CROSS SECTIONS
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S-03	CAST IN PLACE RETAINING WALL RW-02 ELEVATION
S-04	CAST IN PLACE RETAINING WALL RW-03 ELEVATION
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GOVERNING STANDARDS AND SPECIFICATIONS:
Florida Department of Transportation, FY 2022-23 Standard Plans and revised Index Drawings as appended herein, and July 2022 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:
http://www.dot.state.fl.us/rddesign/

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:
http://www.dot.state.fl.us/specificationsoffice/

PROJECT LENGTH IS BASED ON ℄ OF CONSTRUCTION

LENGTH OF PROJECT	LINEAR FEET	MILES
ROADWAY	6,257.50	1.185
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	6,257.50	1.185
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	6,257.50	1.185

LAKE COUNTY PROJECT MANAGER: FRED SCHNEIDER, P.E.

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:
LAKE COUNTY PUBLIC WORKS
350 N. SINCLAIR AVENUE
TAVARES, FLORIDA 32778

PLANS PREPARED BY:

Kimley»Horn

189 SOUTH ORANGE AVENUE
SUITE 1000
ORLANDO, FLORIDA 32801
TEL: (407) 898-1511
CERTIFICATE OF AUTHORIZATION No. 696

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

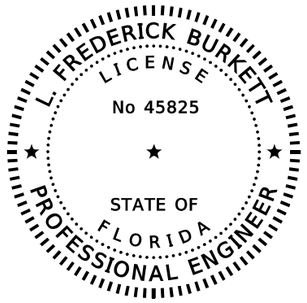
ROADWAY & DRAINAGE PLANS
ENGINEER OF RECORD: L. FREDERICK BURKETT, P.E.

P.E. NO.: 45825

STRUCTURE PLANS
ENGINEER OF RECORD: JOSEPH A. ROBERTS, P.E.

P.E. NO.: 78547

SHEET NO.
1



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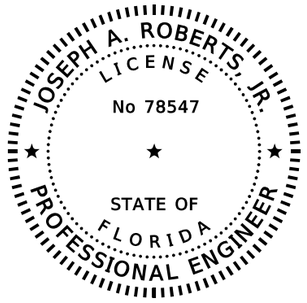
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ORLANDO, FLORIDA, 32801
REGISTRY NO. 35106
L. FREDERICK BURKETT, P.E. NO. 45825

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

ROADWAY PLANS

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ROADWAY PLANS

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~~S-07~~ - S-08	WALL DESIGN TABLE - RW-02
S-09 - S-10	WALL DESIGN TABLE - RW-03
S-11	WALL DESIGN TABLE - RW-04

REVISIONS

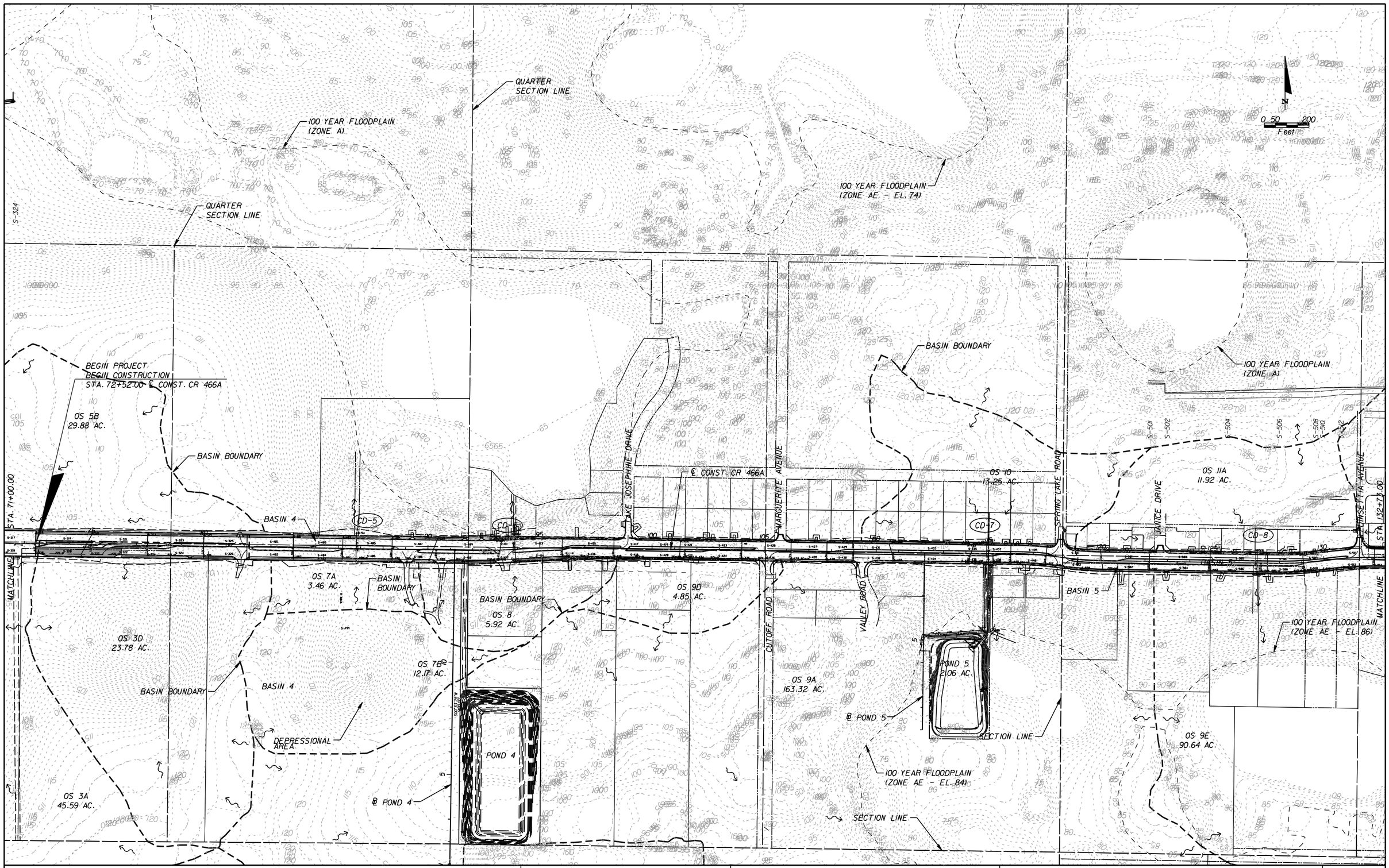
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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P.E. License No. 45825
189 South Orange Avenue, Suite 1000
Orlando, Florida 32801

COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

SIGNATURE SHEET

SHEET NO. 1A



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Orlando, Florida 32801

COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRAINAGE MAP (01)

SHEET NO. 2

Spencer.Edwards 12/20/2022 12:33:01 PM K:\ORL_Roadway\049473002_Phase3B\049473002\drainage\MAPS\drmprd01.dgn

OS 12B
8.26 AC.

QUARTER
SECTION LINE

OS 12A
69.67 AC.

℄ US 27/441

QUARTER
SECTION LINE

BASIN BOUNDARY

END PROJECT
END CONSTRUCTION
STA. 139+09.50 ℄ CONST. CR 466A

BASIN BOUNDARY

℄ CR 25A

SECTION LINE

OS 11B
41.98 AC.

BASIN BOUNDARY

OS 11D
32.41 AC.

100 YEAR
FLOODPLAIN
(ZONE A)

STA. 132+73.00

ROSE AVENUE

POND 6
1.15 AC.

COLLEGE AVENUE

OS 11C
5.51 AC.

SHARP COURT

CENTURY AVENUE

℄ CONST. CR 466A

C.R. 25A

POND 7
1.05 AC.

POND 8
0.20 AC.

STA. 171+86.06 ℄ CONST. CR 466A =
STA. 196+52.17 ℄ US 27/441

BASIN 7

BASIN 8

MATCHLINE

ROSE AVENUE

BASIN 6

COLLEGE AVENUE

IONA AVENUE

C.R. 25A

VILLA AVENUE

BASIN BOUNDARY

OS 13B
7.07 AC.

US 27/441

STA. 161+40.51 ℄ CONST. CR 466A =
STA. 207+19.86 ℄ CR 25A

OS 9E
90.64

OS 13A
20.50 AC.

BASIN BOUNDARY

BASIN BOUNDARY

N

0 50 200
Feet

REVISIONS					
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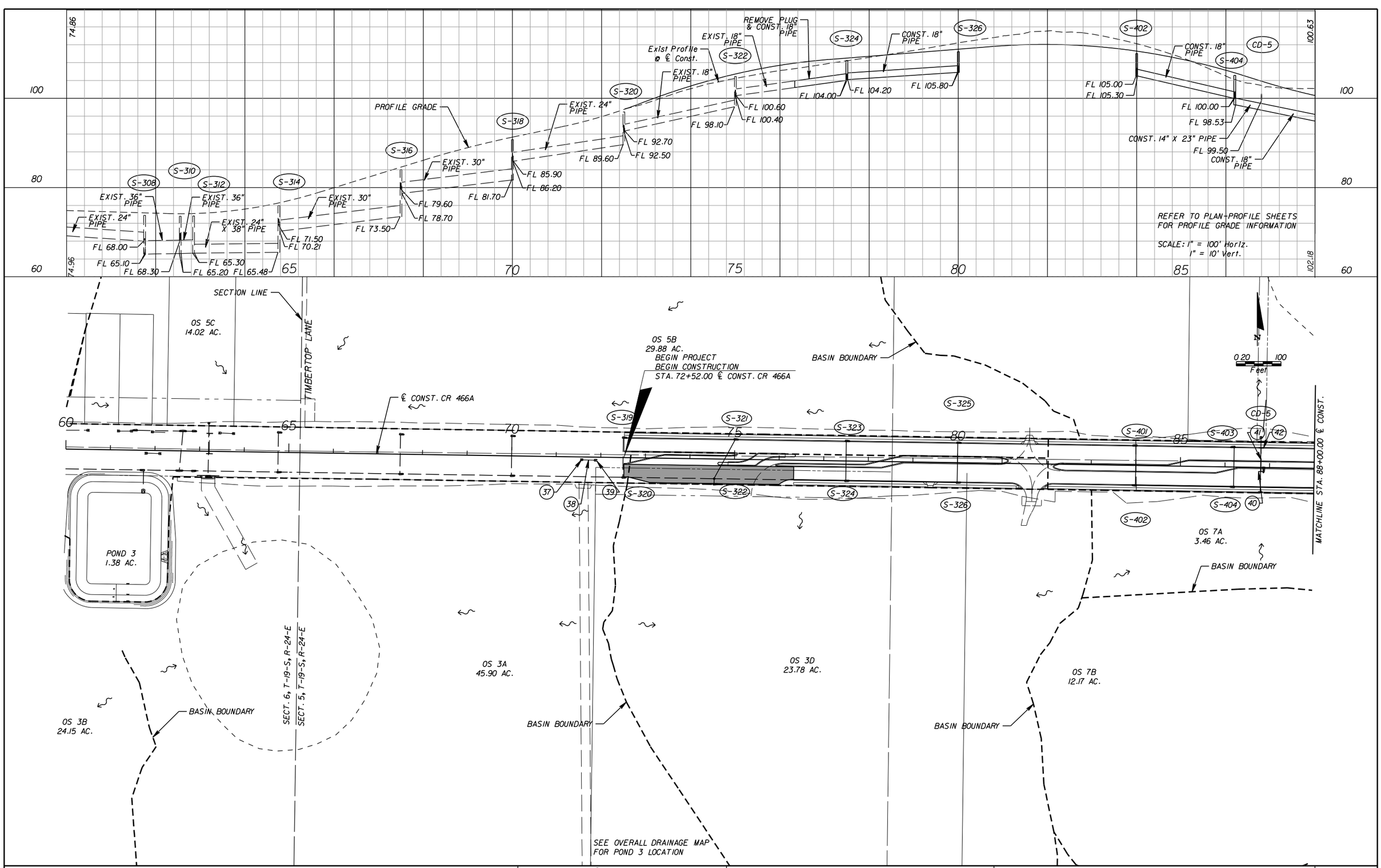
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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRAINAGE MAP (02)

SHEET NO. 3

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REVISIONS					
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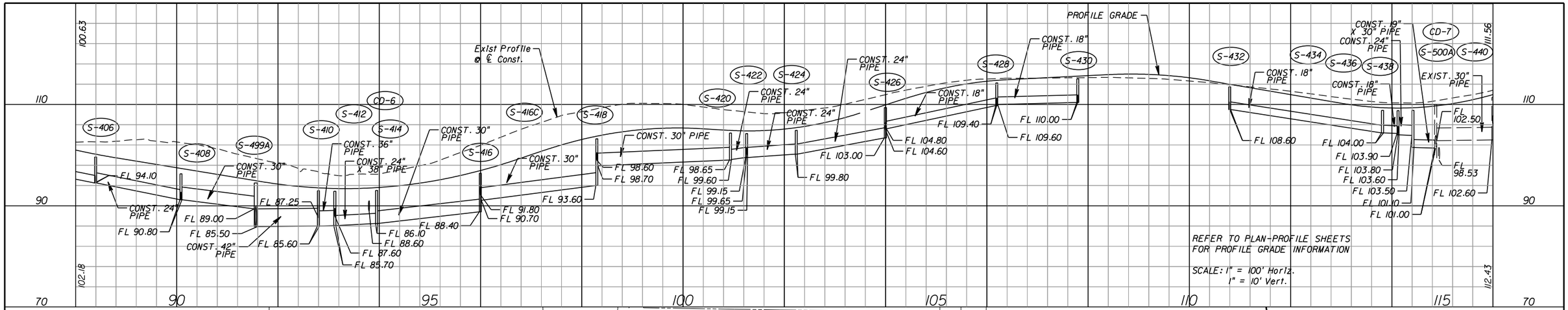
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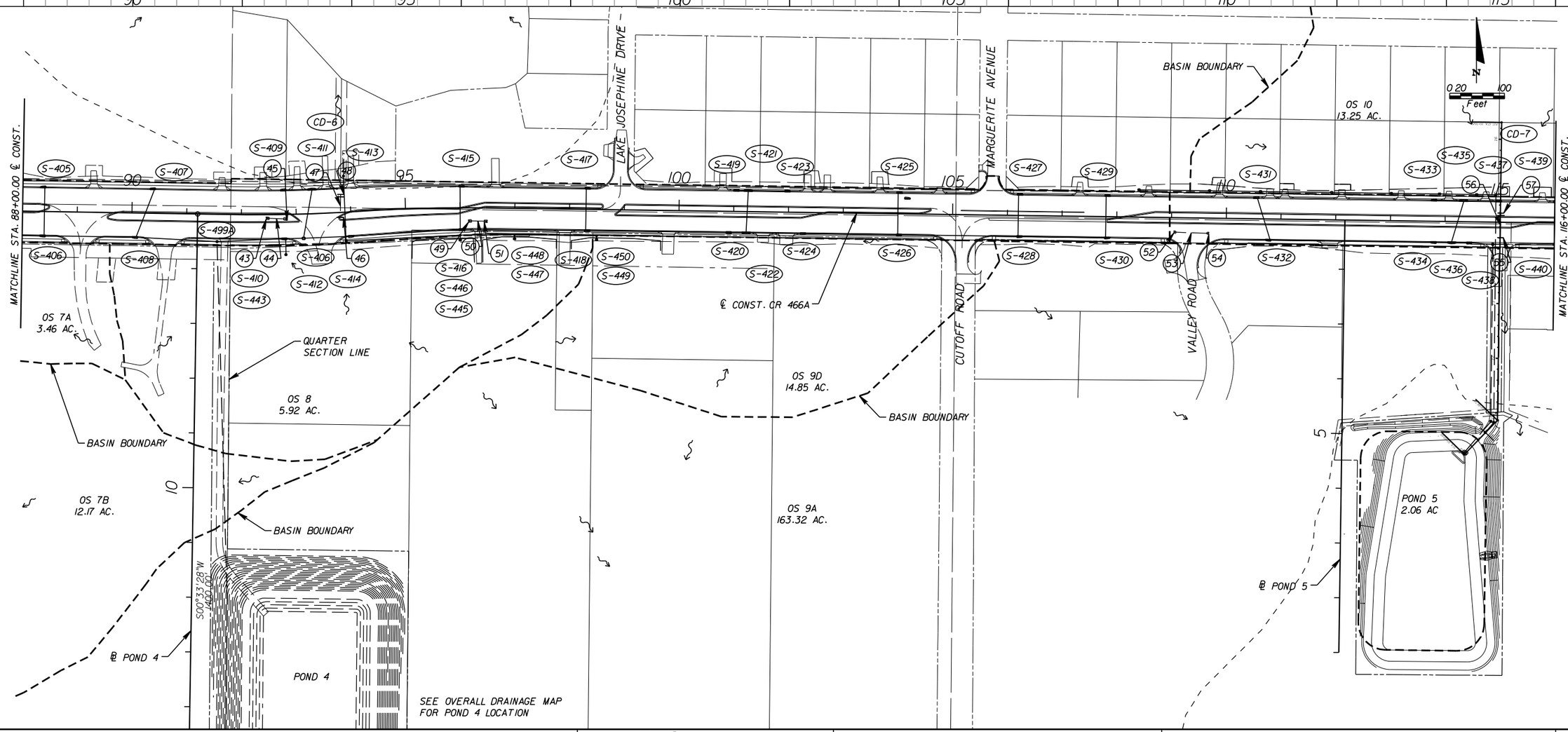
COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRAINAGE MAP (03)

SHEET NO. 4

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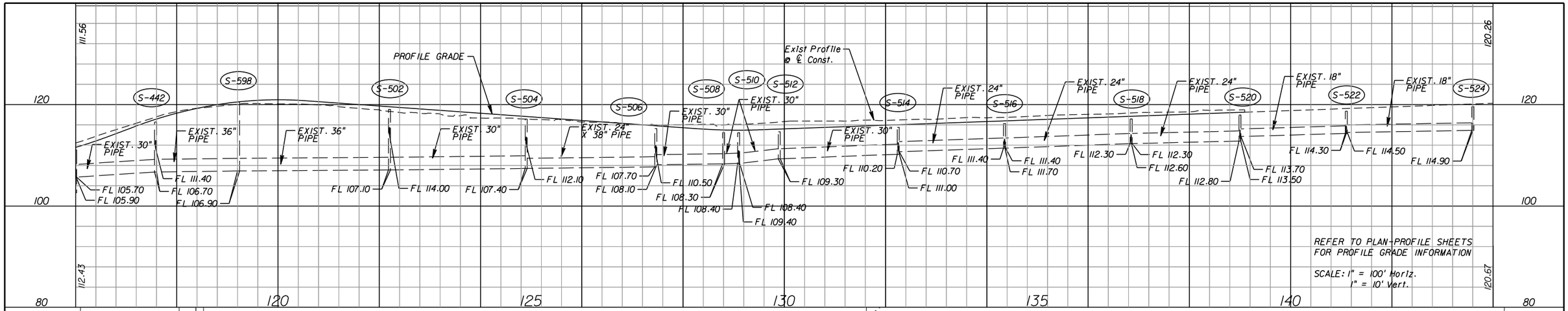
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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRAINAGE MAP (04)

SHEET NO. 5

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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRAINAGE MAP (05)

SHEET NO.
6

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EXISTING DRAINAGE STRUCTURES

	Description	Invert	Invert
37	MES	93.32	-
38	15" CMP	93.32 W	93.88 E
39	MES	93.88	-
40	EW	96.99 N	-
41	18" RCP	96.99 S	96.55 N
42	EW	96.55 S	-
43	MES	94.52	-
44	18" CMP	94.52 W	93.77 E
45	MES	93.77	-
46	EW	91.26 N	-
47	24" RCP	91.26 S	90.88 N
48	EW	90.88 S	-
49	MES	100.23	-
50	18" CMP	100.23 W	101.26 E
51	MES	101.26	-
52	MES	112.01	-
53	12" CMP	112.01 W	111.14 E
54	MES	111.14	-
55	EW	105.65 N	-
56	24" RCP	105.65 S	106.23 N
57	EW	106.23 S	-
58	MES	118.36	-
59	18" CMP	118.36 W	118.23 E
60	MES	118.23	-
61	15" PVC	118.17 W	118.25 E
62	MES	116.7	-
63	18" CMP	116.70 W	116.52 E
64	MES	116.52	-
65	MES	115.92	-
66	18" CMP	115.92 W	115.64 E
67	MES	115.64	-
68	MES	116.29	-
69	18" CMP	116.29 W	116.46 E
70	MES	116.46	-
71	MES	115.77	-
72	18" CMP	115.77 W	115.65 E
73	MES	115.65	-
74	MES	114.98	-
75	18" CMP	114.98 W	115.07 E
76	MES	115.07	-
77	MES	115.08	-
78	18" CMP	115.08 W	114.59 E
79	MES	114.59	-
80	MES	114.5	-
81	18" CMP	114.50 W	113.59 E
82	DBI	113.59 W	112.80 S
		114.15 E	-
83	24" RCP	112.80 N	112.76 S
84	EW	112.76 N	-
85	15" CMP	114.15 W	114.84 E
86	18" CMP	113.85 W	113.89 E
S-320	P-5 INLET	89.60 W	92.50 N
		92.70 E	
S-322A	P-5 INLET	97.10 W	100.00 N
		100.00 E	

SUMMARY OF AREAS

Structure	Area (ac.)	Structure	Area (ac.)
S-101	0.200	S-320	0.327
S-102	0.196	S-321	0.327
S-103	0.216	S-322	0.327
S-104	0.220	S-323	0.327
S-105	0.079	S-324	0.327
S-106	0.079	S-325	0.253
S-107	0.177	S-326	0.253
S-108	0.177	S-401	0.271
S-109	0.245	S-402	0.270
S-110	0.090	S-403	0.288
S-110B	0.160	S-404	0.287
S-111	0.257	S-405	0.288
S-112	0.267	S-406	0.287
S-113	0.273	S-407	0.262
S-114	0.284	S-408	0.261
S-115	0.227	S-409	0.331
S-116	0.236	S-410	0.315
S-201	0.373	S-411	0.127
S-202	0.080	S-412	0.119
S-202A	0.100	S-413	0.278
S-202B	0.220	S-414	0.290
S-203	0.314	S-415	0.249
S-204	0.314	S-416	0.250
S-205	0.347	S-417	0.162
S-206	0.347	S-418	0.162
S-207	0.347	S-419	0.123
S-208	0.347	S-420	0.123
S-209	0.327	S-421	0.109
S-210	0.327	S-422	0.109
S-211	0.072	S-423	0.221
S-212	0.072	S-424	0.221
S-213	0.418	S-425	0.254
S-214	0.417	S-426	0.271
S-215	0.305	S-427	0.173
S-216	0.305	S-428	0.173
S-217	0.177	S-429	0.113
S-218	0.177	S-430	0.113
S-219	0.216	S-431	0.211
S-220	0.216	S-432	0.210
S-221	0.294	S-433	0.326
S-222	0.294	S-434	0.326
S-223	0.236	S-435	0.065
S-224	0.236	S-436	0.065
S-225	0.079	S-437	0.170
S-226	0.079	S-438	0.170
S-227	0.236	S-439	0.178
S-228	0.236	S-440	0.168
S-229	0.209	S-441	0.295
S-230	0.209	S-442	0.263
S-301	0.209	S-501	0.237
S-302	0.209	S-502	0.238
S-303	0.327	S-503	0.309
S-304	0.327	S-504	0.291
S-305	0.327	S-505	0.248
S-306	0.327	S-506	0.248
S-307	0.334	S-507	0.171
S-308	0.334	S-508	0.174
S-309	0.144	S-509	0.117
S-310	0.144	S-510	0.121
S-311	0.281	S-511	0.291
S-312	0.281	S-512	0.250
S-313	0.327	S-513	0.227
S-314	0.327	S-514	0.226
S-315	0.327	S-515	0.269
S-316	0.327	S-516	0.269
S-317	0.327	S-517	0.265
S-318	0.327	S-518	0.254
S-319	0.327	S-519	0.227

SUMMARY OF AREAS

Structure	Area (ac.)
S-520	0.226
S-521	0.270
S-522	0.270
S-523	0.235
S-524	0.220
S-602	0.176
S-603	0.171
S-604	0.152
S-605	0.157
S-606	0.185
S-607	0.169
S-608	0.054
S-609	0.054
S-610	0.237
S-611	0.238
S-612	0.189
S-613	0.189
S-614	0.187
S-615	0.187
S-701	0.240
S-702	0.240
S-703	0.243
S-704	0.243
S-705	0.242
S-706	0.246
S-707	0.216
S-708	0.215
S-709	0.174
S-710	0.170
S-801	0.173
S-802	0.173
S-803	0.178
S-804	0.178
S-805	0.065
S-806	0.065
S-807	0.132
S-808	0.139

REVISIONS

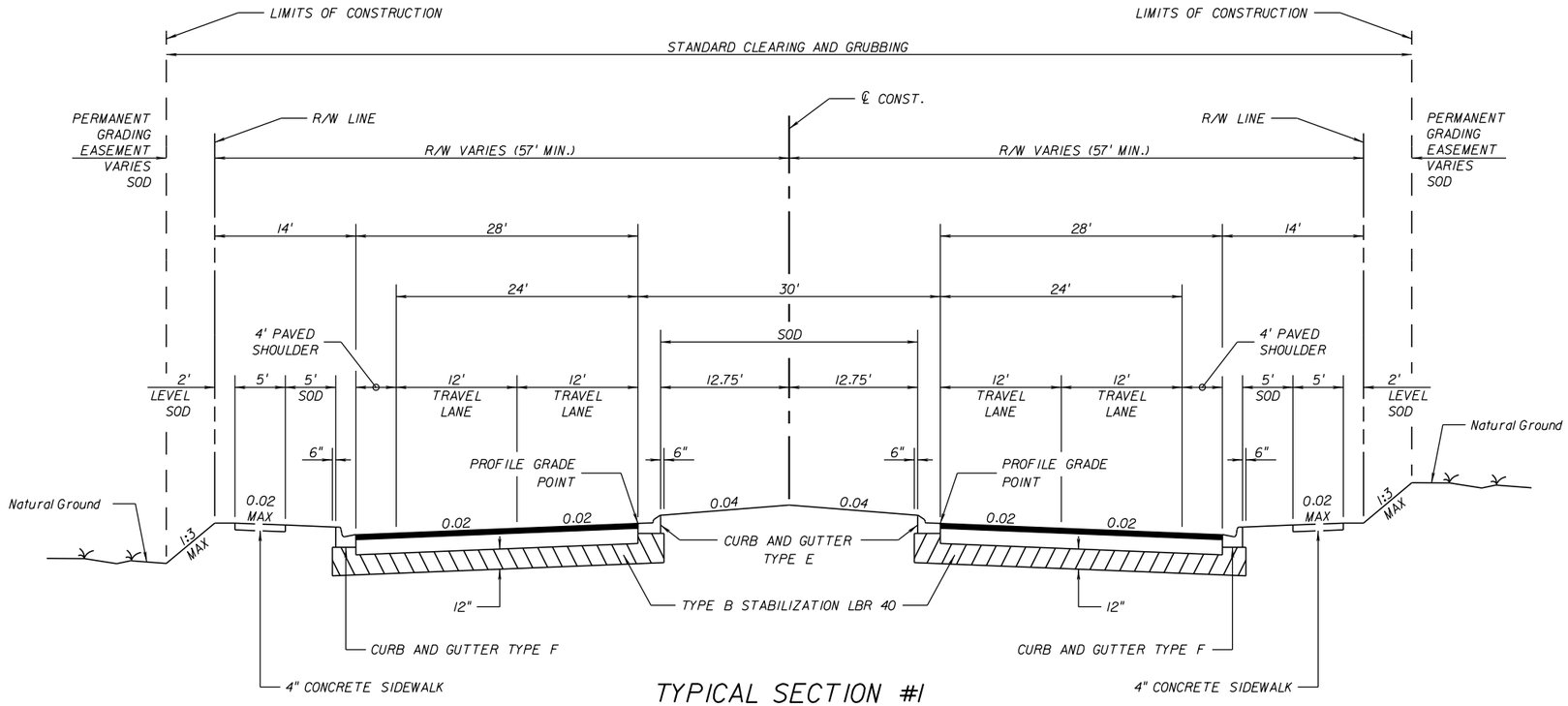
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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P.E. License No. 45825
189 South Orange Avenue, Suite 1000
Orlando, Florida 32801

COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

EXISTING
DRAINAGE STRUCTURES &
SUMMARY OF DRAINAGE AREAS

SHEET NO. 7



TYPICAL SECTION #1

CR 466A

STA. 72+52.00 TO STA. 94+16.11

DESIGN SPEED = 45 MPH

NOTE:

- STA 94+16.11 TO STA 96+45.87 IS IN TRANSITION FROM 12 FT. LANES TO 11 FT. LANES
- STA 72+52.00 TO STA 76+33.00 LIMITS OF MILLING AND RESURFACING

MILLING

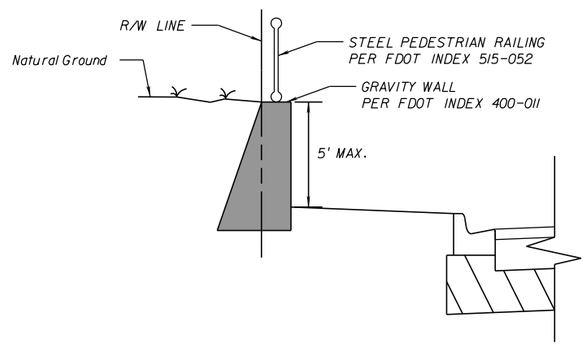
MILL EXISTING PAVEMENT (1" DEPTH)

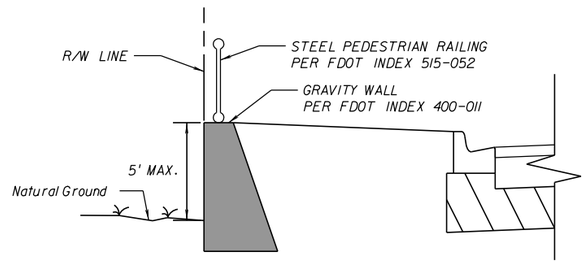
MILLING

FRICTION COURSE FC-9.5 (TRAFFIC LEVEL C)(PG 76-22)(1" DEPTH)

NEW CONSTRUCTION

10" LIMEROCK (LBR 100)(2 EQUAL LIFTS, 98% COMPACTION EACH LIFT)(PRIMED AND SANDED)
2-1/2" TYPE SP STRUCTURAL COURSE (TRAFFIC C)
1" MINIMUM FRICTION COURSE FC-9.5 (TRAFFIC LEVEL C)(PG 76-22)





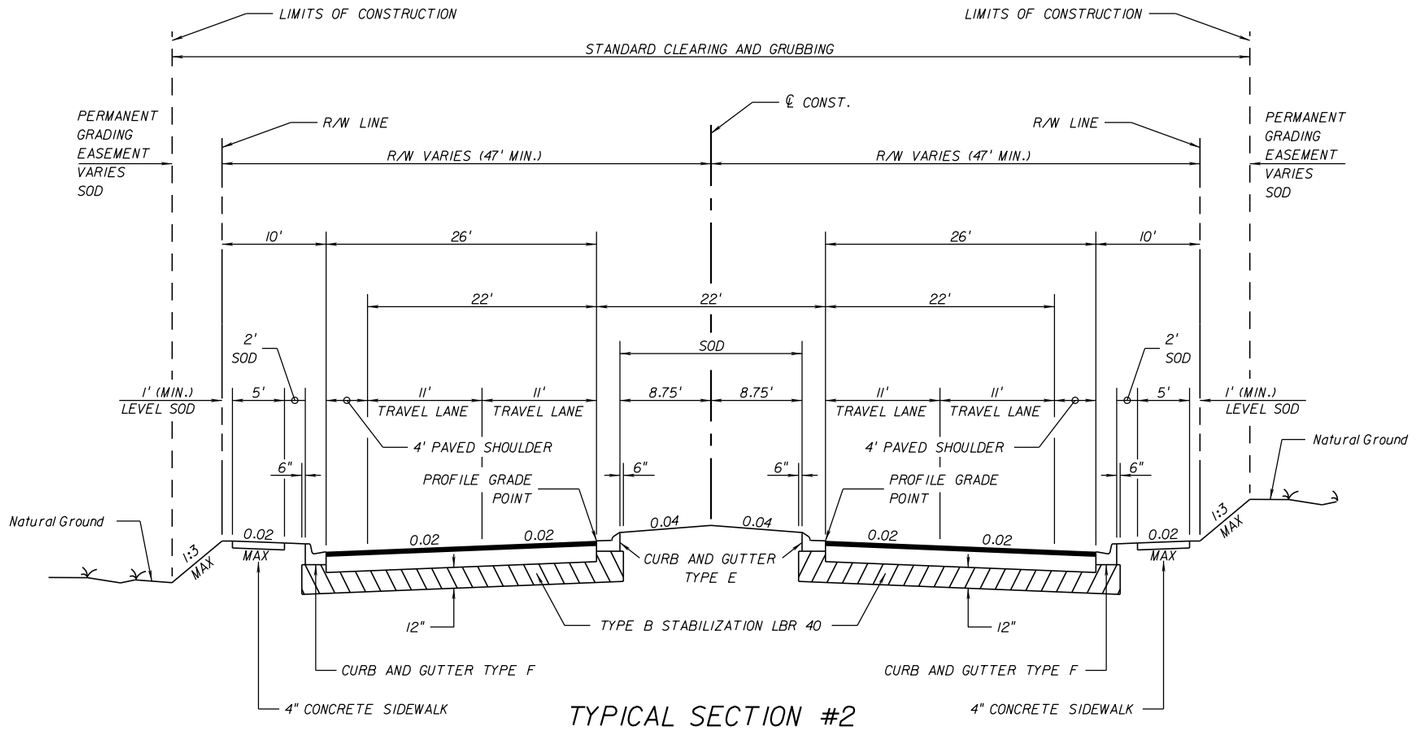
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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P.E. License No. 45825
189 South Orange Avenue, Suite 1000
Orlando, Florida 32801

COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

TYPICAL SECTION (01)

SHEET NO. 8



TYPICAL SECTION #2

CR 466A

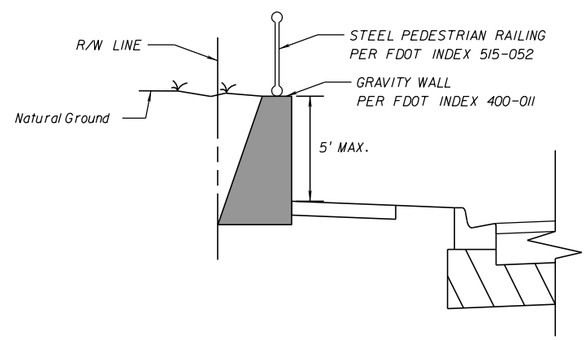
STA. 96+45.87 TO STA. 135+09.50

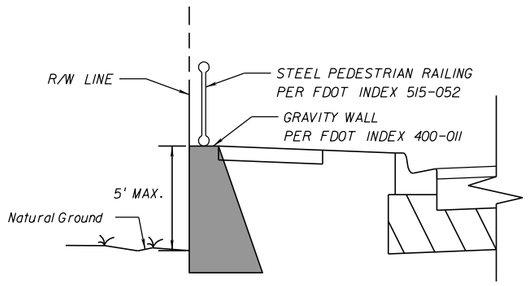
DESIGN SPEED = 40 MPH

NEW CONSTRUCTION

10" LIMEROCK (LBR 100)(2 EQUAL LIFTS, 98% COMPACTION EACH LIFT)(PRIMED AND SANDED)
2-1/2" TYPE SP STRUCTURAL COURSE (TRAFFIC C)
1" MINIMUM FRICTION COURSE FC-9.5 (TRAFFIC LEVEL C)(PG 76-22)

NOTE:
STA 94+16.11 TO STA 96+45.87
IS IN TRANSITION FROM 12 FT.
LANES TO 11 FT. LANES





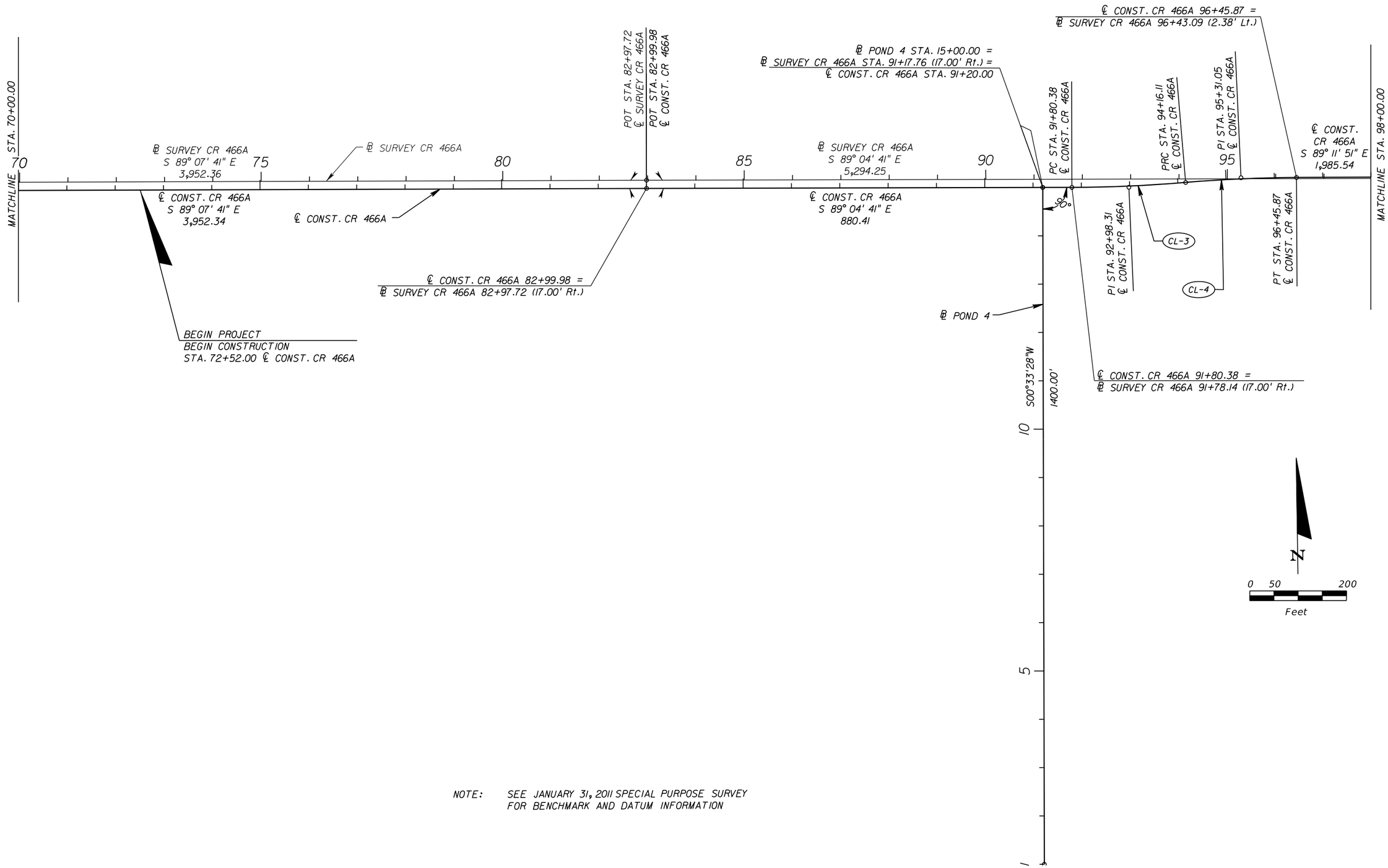
REVISIONS					
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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

TYPICAL SECTION (02)

SHEET NO.
9



NOTE: SEE JANUARY 31, 2011 SPECIAL PURPOSE SURVEY FOR BENCHMARK AND DATUM INFORMATION

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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

PROJECT GEOMETRY (01)

SHEET NO. 11

N

0 50 200

Feet

℄ SPRING LAKE RD.

℄ SPRING LAKE ROAD STA. 30+10.00 =
℄ CONST. CR 466A STA. 118+22.10 =
℄ SURVEY CR 466A STA. 118+18.85 (4.93' Rt.)

℄ CONST. CR 466A STA. 118+24.25 =
℄ SURVEY CR 466A STA. 118+20.99 (5.24' Rt.)

℄ CONST. CUTOFF ROAD STA. 32+90.00 =
℄ CONST. CR 466A STA. 105+18.08 =
℄ SURVEY CR 466A STA. 105+15.30 (4.19' Lt.)

℄ VALLEY ROAD STA. 32+90.00 =
℄ CONST. CR 466A STA. 109+37.87 =
℄ SURVEY CR 466A STA. 109+35.09 (5.07' Lt.)

POT STA. 33+10.00

90° 00' 00"

℄ CONST. CR 466A STA. 116+31.40 =
℄ SURVEY CR 466A STA. 116+28.63 (6.51' Lt.)

CL-5

CL-6

PI STA. 117+27.96
℄ CONST. CR 466A

N 0° 34' 30" E
300.00

PT STA. 120+13.95
℄ CONST. CR 466A

POT STA. 32+10.00

℄ JANICE DR.

N 0° 55' 19" E
200.00

90° 00' 00"

100 105 110 115 120 125

MATCHLINE STA. 98+00.00

MATCHLINE STA. 127+00.00

POT STA. 32+10.00

℄ LAKE JOSEPHINE DR.

N 0° 48' 09" E
200.00

90° 00' 00"

POT STA. 32+10.00

℄ MARGUERITE AVE.

N 0° 48' 09" E
200.00

90° 00' 00"

℄ CONST. CR 466A
S 89° 11' 51" E
1,985.54

℄ CONST. CR 466A

℄ SURVEY CR 466A

90° 00' 00"

℄ SURVEY CR 466A
S 89° 04' 41" E
5,294.25

℄ CONST. CR 466A
S 89° 04' 41" E
769.00

N 0° 48' 09" E
200.00

90° 00' 00"

90° 00' 00"

N 0° 48' 09" E
200.00

90° 00' 00"

POT STA. 30+90.00

POT STA. 30+90.00

℄ VALLEY RD.

℄ CUTOFF RD.

PC STA. 116+31.40
℄ CONST. CR 466A

PRC STA. 118+24.25
℄ CONST. CR 466A

PI STA. 119+19.23
℄ CONST. CR 466A

℄ CONST. CR 466A STA. 120+13.95 =
℄ SURVEY CR 466A STA. 120+10.20 (17.00' Lt.)

℄ MARGUERITE AVENUE STA. 30+10.00 =
℄ CONST. CR 466A STA. 105+72.20 =
℄ SURVEY CR 466A STA. 105+69.42 (4.31' Lt.)

℄ LAKE JOSEPHINE DRIVE STA. 30+10.00 =
℄ CONST. CR 466A STA. 98+92.36 =
℄ SURVEY CR 466A STA. 98+89.58 (2.89' Lt.)

℄ POND 5

N 0° 48' 09" E
790.00

℄ POND 5 STA. 8+90.00 =
℄ CONST. CR 466A STA. 112+16.77 =
℄ SURVEY CR 466A STA. 112+13.99 (5.65' Lt.)

℄ JANICE DRIVE STA. 30+10.00 =
℄ CONST. CR 466A STA. 122+67.18 =
℄ SURVEY CR 466A STA. 122+63.43 (17.00' Rt.)

NOTE: SEE JANUARY 31, 2011 SPECIAL PURPOSE SURVEY FOR BENCHMARK AND DATUM INFORMATION

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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

PROJECT GEOMETRY (02)

SHEET NO. 12

N

0 50 200

Feet

℄ COLLEGE AVE.

END PROJECT
END CONSTRUCTION
STA. 139+09.50 ℄ CONST. CR 466A

℄ CONST. CR 466A

℄ CENTURY AVE.

CL-7

CL-8

POT STA. 32+10.00

℄ POINTSETTIA DR.

PC STA. 127+82.95
℄ CONST. CR 466A

PRC STA. 130+11.06
℄ CONST. CR 466A

℄ CONST. CR 466A
PI STA. 131+25.37

N 1° 59' 32" W
200.00

90° 00' 00"

℄ CONST. CR 466A
S 89° 04' 41" E
358.09

℄ SUNNY CT.

130 135 140 145 150 155

MATCHLINE STA. 127+00.00

PI STA. 128+97.22
℄ CONST. CR 466A

PT STA. 132+39.26
℄ CONST. CR 466A

℄ SURVEY CR 466A
S 89° 04' 41" E
5,294.25

℄ ROSE AVE.

℄ CONST. CR 466A
STA. 132+39.26 =
℄ SURVEY CR 466A
STA. 132+33.82

℄ SURVEY CR 466A

MATCHLINE STA. 156+00.00

℄ COLLEGE AVE.

℄ POINTSETTIA DRIVE STA. 30+10.00 =
℄ CONST. CR 466A STA. 131+61.52 =
℄ SURVEY CR 466A STA. 131+56.11 (15.02' Lt.)

℄ CONST. CR 466A STA. 130+11.06 =
℄ SURVEY CR 466A STA. 130+06.46

℄ CONST. CR 466A STA. 127+82.95 =
℄ SURVEY CR 466A STA. 127+79.19 (17.00' Rt.)

NOTE: SEE JANUARY 31, 2011 SPECIAL PURPOSE SURVEY FOR BENCHMARK AND DATUM INFORMATION

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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

PROJECT GEOMETRY (03)

SHEET NO. 13

CURVE AND COORDINATE DATA

LINE	CURVE NUMBER	CONTROL POINT	STATION	COORDINATES NORTH	COORDINATES EAST	Δ	D	T	L	R	e	DESIGN SPEED (mph)	TIE AND REMARKS
℄ CONST. CR 466A		PI	43+47.64	1,647,192.5493	354,138.1694	0° 45' 19" (RT)							
		PI	82+99.98	1,647,132.4036	358,090.0519	0° 52' 19" (RT)							
	CL-3	CC		1,649,982.6541	359,016.4442	4° 42' 52" (LT)	2° 00' 00"	117.93'	235.73'	2,864.79'	NC	50	
		PC	91+80.38	1,647,118.2361	358,970.3440								
		PI	92+98.31	1,647,116.3383	359,088.2595								
		PT	94+16.11	1,647,124.1387	359,205.9320								
	CL-4	CC		1,644,265.6233	359,395.4197	4° 35' 42" (RT)	2° 00' 00"	114.94'	229.75'	2,864.79'	NC	50	
		PC	94+16.11	1,647,124.1387	359,205.9320								
		PI	95+31.05	1,647,131.7412	359,320.6189								
		PT	96+45.87	1,647,130.1312	359,435.5463								
	CL-5	CC		1,645,574.5826	361,399.4872	7° 13' 55" (RT)	3° 45' 00"	96.55'	192.85'	1,527.89'	NC	40	
		PC	116+31.40	1,647,102.3202	361,420.8881								
		PI	117+27.96	1,647,100.9678	361,517.4331								
		PT	118+24.25	1,647,087.4724	361,613.0397								
	CL-6	CC		1,648,600.6014	361,826.6260	7° 06' 45" (LT)	3° 44' 58"	94.97'	189.70'	1,528.13'	NC	40	
		PC	118+24.25	1,647,087.4724	361,613.0397								
		PI	119+19.23	1,647,074.1982	361,707.0791								
		PT	120+13.95	1,647,072.6701	361,802.0385								
	CL-7	CC		1,648,587.9867	362,595.5182	8° 33' 15" (LT)	3° 45' 00"	114.27'	228.11'	1,527.89'	NC	40	
		PC	127+82.95	1,647,060.2970	362,570.9345								
		PI	128+97.22	1,647,058.4584	362,685.1868								
		PT	130+11.06	1,647,073.6346	362,798.4416								
	CL-8	CC		1,645,558.6511	363,001.4496	8° 33' 15" (RT)	3° 44' 54"	114.31'	228.20'	1,528.52'	NC	40	
		PC	130+11.06	1,647,073.6346	362,798.4416								
		PI	131+25.37	1,647,088.8171	362,911.7436								
		PT	132+39.26	1,647,086.9778	363,026.0435								
℄ SURVEY CUTOFF RD.		POT	30+90.00	1,646,917.9339	360,304.8745								
		POT	32+90.00	1,647,117.9143	360,307.6759								
℄ SURVEY JANICE DR.		POT	30+10.00	1,647,068.5957	362,055.2342								
		POT	32+10.00	1,647,268.5698	362,058.4522								
℄ SURVEY LAKE JOESPHINE DR.		POT	30+10.00	1,647,126.6786	359,682.0178								
		POT	32+10.00	1,647,326.6590	359,684.8191								

NOTE: SEE JANUARY 31, 2011 SPECIAL PURPOSE SURVEY FOR BENCHMARK AND DATUM INFORMATION

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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

CURVE AND COORDINATE DATA (01)

SHEET NO. 14

CURVE AND COORDINATE DATA

LINE	CURVE NUMBER	CONTROL POINT	STATION	COORDINATES		Δ	D	T	L	R	e	DESIGN SPEED (mph)	TIE AND REMARKS
				NORTH	EAST								
℄ SURVEY MARGUERITE AVE.		POT	30+10.00	1,647,117.1562	360,361.7898								
		POT	32+10.00	1,647,317.1366	360,364.5912								
℄ SURVEY POINTSETTIA AVE.		POT	30+10.00	1,647,086.2517	362,948.3118								
		POT	32+10.00	1,647,286.1308	362,941.3590								
℄ SURVEY SPRING LAKE RD.		POT	30+10.00	1,647,087.7744	361,610.9108								
		POT	33+10.00	1,647,387.7593	361,613.9215								
℄ SURVEY VALLEY RD.		POT	30+90.00	1,646,912.0540	360,724.6225								
		POT	32+90.00	1,647,112.0344	360,727.4239								
℄ POND 4		POT	1+00.00	1,645,719.3918	358,887.4404								
		POT	15+00.00	1,647,119.2077	358,909.9691								
℄ POND 5		POT	1+00.00	1,646,318.2053	360,995.2352								
		POT	8+90.00	1,647,108.1278	361,006.3006								
℄ CR 466A	466A-BL1	CC		1,648,381.2940	352,214.0400	38° 29' 00" (LT)	4° 59' 54"	400.11'	769.91'	1,146.27'	NC		
		PC	16+35.80	1,647,493.4846	351,488.9607								
		PI	20+35.91	1,647,240.3939	351,798.8528								
		PT	24+05.71	1,647,235.1190	352,198.9280								
		POT	43+45.36	1,647,209.5476	354,138.4107								
		POT	82+97.72	1,647,149.4015	358,090.3180								

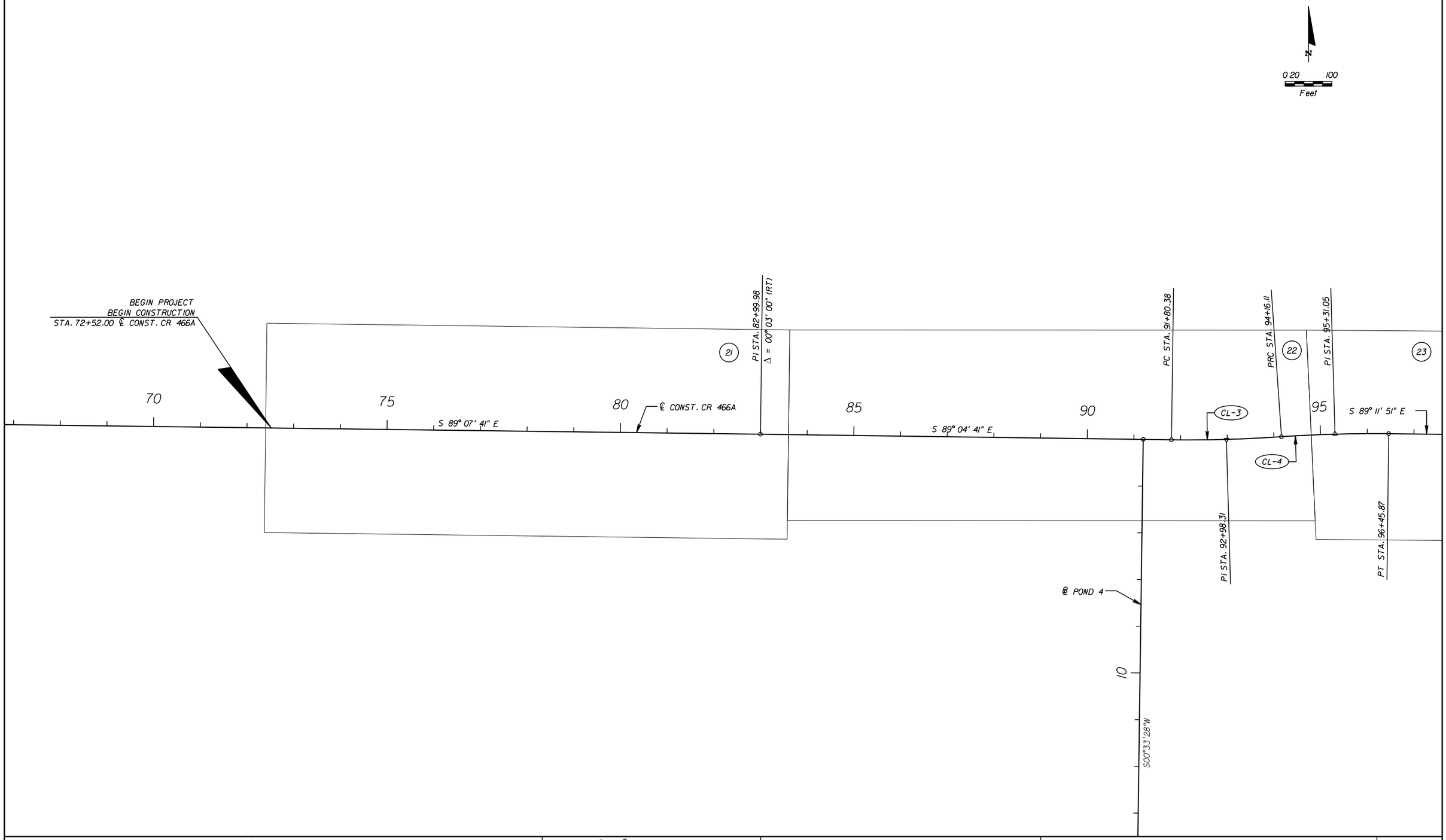
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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

CURVE AND COORDINATE DATA (02)

SHEET NO. 15



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

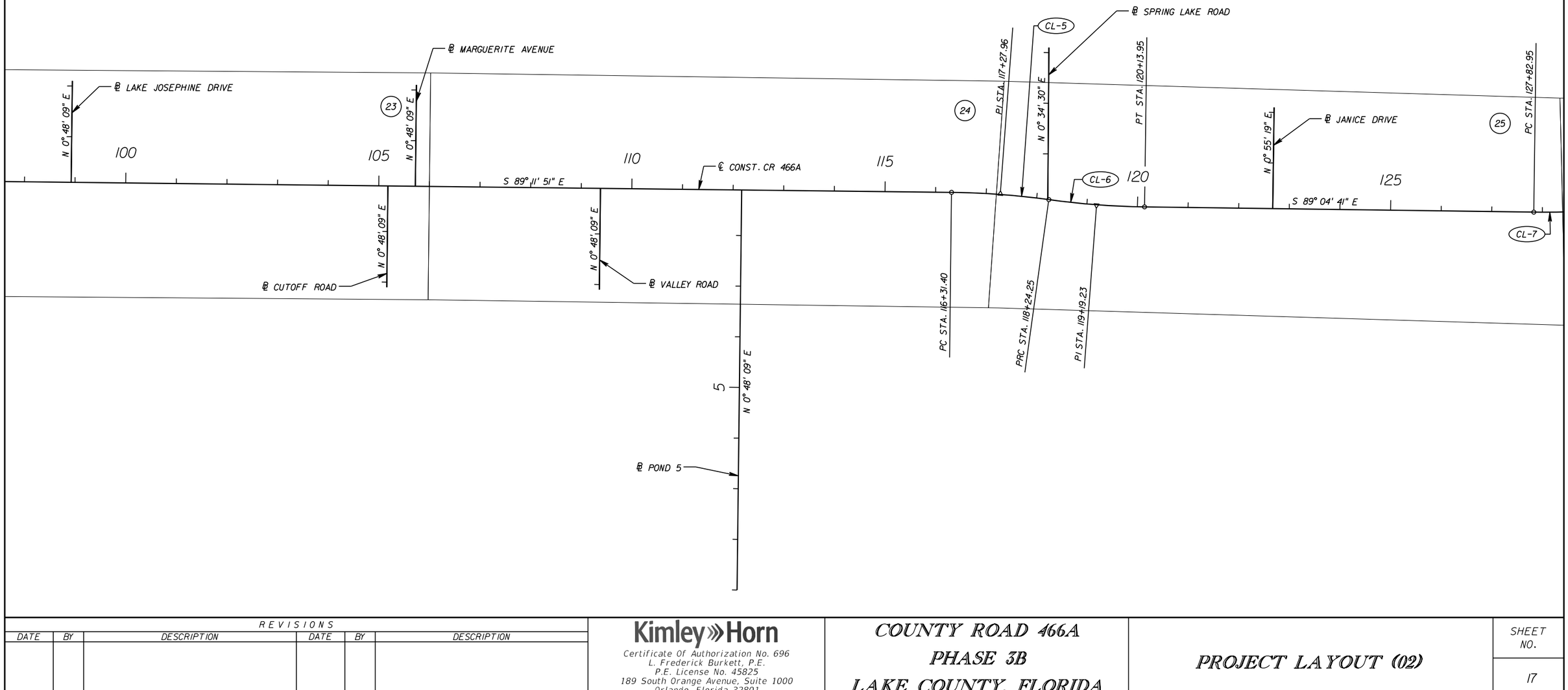
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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

PROJECT LAYOUT (01)

SHEET NO.
16

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PHASE 3B
LAKE COUNTY, FLORIDA

PROJECT LAYOUT (02)

SHEET NO. 17

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N

0 20 100
Feet

END PROJECT
END CONSTRUCTION
STA. 135+09.50 ℄ CONST. CR 466A

PRC STA. 130+11.06
PI STA. 131+25.37
℄ POINTSETTIA AVENUE
PI STA. 139+32.56
℄ COLLEGE AVENUE
PI STA. 145+95.16
℄ SUNNY COURT
PCC STA. 149+40.03
PT STA. 153+71.58
℄ CENTURY AVENUE

CL-7 130 N 1° 59' 32" W CL-8 S 89° 04' 41" E 135 26 140 ℄ CONST. CR 466A S 87° 57' 41" E 145 N 2° 02' 19" E CL-10 CL-11 N 3° 06' 41" E 150 44 CL-12 155 N 0° 13' 41" W N 89° 46' 19" E 45

PI STA. 128+97.22
PT STA. 132+39.26
PC STA. 135+97.35
N 1° 28' 49" E CL-9
℄ ROSE AVENUE
PT STA. 142+67.75
PC STA. 144+80.91
N 2° 12' 42" E
PRC STA. 147+08.98
PI STA. 148+24.73
℄ COLLEGE AVENUE
PI STA. 151+55.83

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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

PROJECT LAYOUT (03)

SHEET NO. 18

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GENERAL NOTES:

1. STRIPING
   a) ALL PAVEMENT MARKINGS TO BE LEAD AND SOLVENT FREE THERMOPLASTIC.
   b) PAVEMENT MARKINGS TO CONFORM TO M.U.T.C.D. , LATEST EDITION.
   c) ALL CENTER LINE PAVEMENT MARKINGS SHALL HAVE REFLECTIVE RAISED PAVEMENT MARKINGS (RPM'S) UNLESS OTHERWISE NOTED.
   d) ALL STRIPING WITHIN D.O.T. R/W TO BE LEAD AND SOLVENT FREE THERMOPLASTIC.
   e) REPLACE ALL TRAFFIC CONTROL SIGNS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION.
   f) ALL EXISTING TRAFFIC SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.
   g) THE SIGN LOCATIONS SHOWN ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.
   h) FOR PAVEMENT MARKING DETAILS REFER TO FDOT STANDARD PLANS.
   i) FOR SIGN INSTALLATION DETAILS, REFER TO FDOT STANDARD PLANS.
   j) STREET NAME SIGNS TO BE DESIGNED PER LAKE COUNTY AND/OR THE CITY OF FRUITLAND PARK SPECIFICATIONS.

2. EROSION AND SEDIMENT CONTROL
   a) PROTECT ALL INLETS, MITERED END SECTIONS, AND ENDWALLS.
   b) SOIL TRACKING PREVENTION DEVICES SHALL BE CONSTRUCTED AT POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO ROADS WHERE OFFSITE TRACKING OF MUD COULD OCCUR.
   c) SOD IMMEDIATELY AROUND NEW MITERED END SECTIONS AND SLOPES OVER 3% TO F.D.O.T. SPECIFICATIONS.
   e) REPLACE ALL SOD WITH ORIGINAL TYPE ON ALL RESIDENTIAL FRONTAGE LOTS AND AS SHOWN ON PLANS. SOD ALL SLOPES 3% OR GREATER WITHIN RIGHT-OF-WAY FROM EDGE OF PAVEMENT. FINISHED SHOULDER GRADE SHALL BE 3" LOWER THAN EDGE OF PAVEMENT TO ALLOW FOR SOD. A MINIMUM OF 2 STRIPS OF SOD TO BE PLACED AT THE EDGE OF PAVEMENT. SOD ALL DISTURBED AREAS, UNLESS OTHERWISE NOTED.
   f) CONTRACTOR SHALL DESILT ALL DRAINS, DITCHES AND SWALES AT THE COMPLETION OF CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.

3. UTILITIES
   a) THE LOCATION(S) OF UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION PRIOR TO CONSTRUCTION.
   b) TWO-BUSINESS DAYS PRIOR TO DIGGING THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL OF FLORIDA, TELEPHONE NUMBER 1-800-432-4770, AND THE UTILITY OWNER AND REQUEST UTILITY LOCATIONS. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.
   c) THE CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION MEETING TO WHICH ALL UTILITIES MUST BE INVITED.
   d) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL UTILITY ADJUSTMENTS AND RELOCATIONS OF ALL UTILITIES, AS REQUIRED.
   e) UTILITIES ARE TO BE ADJUSTED BY OTHERS AS DIRECTED BY LAKE COUNTY.
   f) THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN THE PLANS. THE CONTRACTOR MUST REQUEST THE LOCATIONS OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING AND COMPACTING AROUND THESE LATERAL SERVICES MUST BE INCLUDED IN THE BID RELATING ITEM FOR THE WORK BEING DONE.
   g) PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES, STRUCTURES, FRENCH DRAINS, SLAB COVERED TRENCHES, CONDUITS, AND/OR SUB-GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS, ENGINEER AND THE COUNTY WITH SEVEN DAYS ADVANCE NOTICE OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR PRE-TRENCHING, SURVEY, BACKFILLING, COMPACTING AND ASPHALT PATCHING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE.

4. TREES AND LANDSCAPING
   a) ALL TREES ARE TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS. CONTRACTOR SHALL CONTACT LAKE COUNTY PRIOR TO REMOVAL OF ANY TREE. 12 INCH DIAMETER TREES A.B.H. AND LARGER MAY ONLY BE REMOVED WHEN SPECIFICALLY DENOTED ON THE PLANS, UNLESS APPROVAL IS OBTAINED FROM THE COUNTY. CARE SHALL BE TAKEN TO PROTECT ALL TREES THAT FALL WITHIN THE LIMITS OF CONSTRUCTION WORK AREA.
   b) CONTRACTOR WILL REPLACE LANDSCAPING THAT IS REMOVED OR DESTROYED WITHIN THE LIMITS OF CONSTRUCTION.
   c) REPLACED LANDSCAPING IS TO BE PLACED OFF THE RIGHT-OF-WAY.
   d) TRIM TREES OVER PAVEMENT AND SHOULDER TO PROVIDE 18' VERTICAL CLEARANCE. COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACTORS BID PRICE FOR PRUNING AND TRIMMING OF EXISTING TREES.
   e) THE CONTRACTOR SHALL COORDINATE WITH LAKE COUNTY AND A CERTIFIED ARBORIST, CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE, TO DETERMINE THE LIMITS OF ALL ROOT PRUNING AND/OR CANOPY TRIMMING ACTIVITIES. COST TO BE INCLUDED IN THE RELATED BID ITEM.

5. REPLACE ALL EXISTING TRAFFIC SIGNS WITH THOSE PROPOSED. COST OF THIS WORK SHALL BE INCLUDED IN CONTRACTORS BID PRICE FOR SIGN INSTALLATION.

6. THE ESTABLISHED CLEAR ZONE FOR CR 466A IS TO BE 4 FEET FROM THE FACE OF THE PROPOSED CURB. ALL ABOVE GROUND STRUCTURES SUCH AS MAIL BOXES, FENCES, ETC., ARE TO BE RELOCATED OUTSIDE OF THE CLEAR ZONE. UNLESS NOTED OTHERWISE, THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF THESE STRUCTURES. DAILY ACCESS TO MAIL BOXES SHALL BE MAINTAINED. THE LAKE COUNTY ENGINEER MAY WAIVE SOME OF THESE REQUIREMENTS IF NECESSARY.

7. DRIVEWAYS TO BE USED AS DITCH BLOCKS UNLESS OTHERWISE NOTED.

8. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN PLANS. EXISTING DRIVEWAYS HAVE BEEN EVALUATED FOR CONFORMANCE WITH FAC RULE 14 97.003(1)(B). THOSE THAT ARE IN SUBSTANTIAL CONFORMANCE WITH THE RULE AND THAT ARE TO REMAIN AT THEIR EXISTING LOCATIONS, ARE NOT SHOWN ON THE PLANS BUT ARE TO BE RECONSTRUCTED IN CONFORMANCE TO FDOT STANDARD PLAN INDEX 522-003. THOSE THAT ARE TO BE RELOCATED OR CLOSED ARE DETAILED ON THE PLANS.

9. ALL POWER POLES TO BE RELOCATED BY OTHERS AS NECESSARY TO PROVIDE THE MINIMUM HORIZONTAL CLEARANCE FROM NEW EDGE OF PAVEMENT. THE ESTABLISHED CLEAR ZONE FOR CR 466A IS TO BE 4 FEET FROM THE FACE OF THE PROPOSED CURB.

CALL TWO FULL BUSINESS DAYS BEFORE YOU DIG

IT'S THE LAW!
1-800-432-4770

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

10. REMOVE ALL TREES AND SHRUBS TO PROVIDE THE MINIMUM HORIZONTAL CLEARANCE FROM NEW EDGE OF PAVEMENT. THE ESTABLISHED CLEAR ZONE FOR CR 466A IS TO BE 4 FEET FROM THE FACE OF THE PROPOSED CURB. COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACTORS BID PRICE FOR CLEARING AND GRUBBING.

11. EXISTING STREETS AND DRIVES SHALL BE MAINTAINED FOR LOCAL TRAFFIC AND PROPERTY OWNERS. COST OF DRIVEWAY MAINTENANCE SHALL BE INCLUDED IN CONTRACTORS BID PRICE FOR MAINTENANCE OF TRAFFIC.

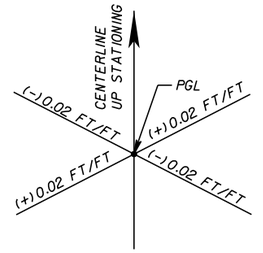
12. ALL DISTURBED AREAS WITHIN RIGHT-OF-WAY TO BE REGRADED AND SODDED WITH ARGENTINA BAHIA SOD.

13. THE CONTRACTOR SHALL OBTAIN A NPDES GENERAL PERMIT PRIOR TO START OF CONSTRUCTION.

14. BUILDINGS ARE TO BE REMOVED BY OTHERS, UNLESS OTHERWISE NOTED.

15. ALL ROUTE MARKER AUXILLARIES SHALL MATCH THE COLOR COMBINATION OF THE RESPECTIVE MARKER WHICH THE SUPPLEMENT.

16. SIGN CONVENTION FOR ROADWAY CROSS SLOPE. AS DETAILED IN ROADWAY PLANS, IS AS FOLLOWS:



17. BEARINGS AND COORDINATES ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM (NAD) OF 1983 (1990) ADJUSTMENT. ALL ELEVATIONS ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988. THE PROJECT UNITS ARE RELATIVE U.S. SURVEY FOOT.

18. ANY PUBLIC LAND CORNER OR BENCHMARK WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE COUNTY SURVEYOR, WITHOUT DELAY, BY TELEPHONE.

19. THE CONTRACTOR SHALL VERIFY AND CERTIFY THE ACCURACY IN WRITING ALL PROJECT REFERENCE POINTS AND BENCHMARKS PRIOR TO ANY STAKING OR BEGINNING CONSTRUCTION.

20. ALL QUANTITIES PROVIDED IN THE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR REQUIRED TO VERIFY ALL QUANTITIES BEFORE CONSTRUCTION.

21. FROM APPROXIMATELY STA. 81+00.00 TO STA. 92+00.00, CONTRACTOR TO MAKE IMPROVEMENTS DESIGNATED AS "BY LAKE COUNTY" IN STIPULATED ORDER OF TAKING FOR PARCEL FP7 (GALBREATH).

DRAINAGE NOTES:

1. ALL EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, UNLESS OTHERWISE NOTED.

2. ALL PIPE LENGTHS SHOWN IN PLANS ARE ACTUAL LENGTHS, WITH THE ASSOCIATED DRAINAGE STRUCTURE REMOVED FROM THE LENGTH.

3. ALL FENCING SHALL BE BLACK VINYL COATED CLF UNLESS OTHERWISE NOTED.

4. ALL STORMPIPE WITHIN CR 466A R/W SHALL BE STEEL REINFORCED CONCRETE PIPE.

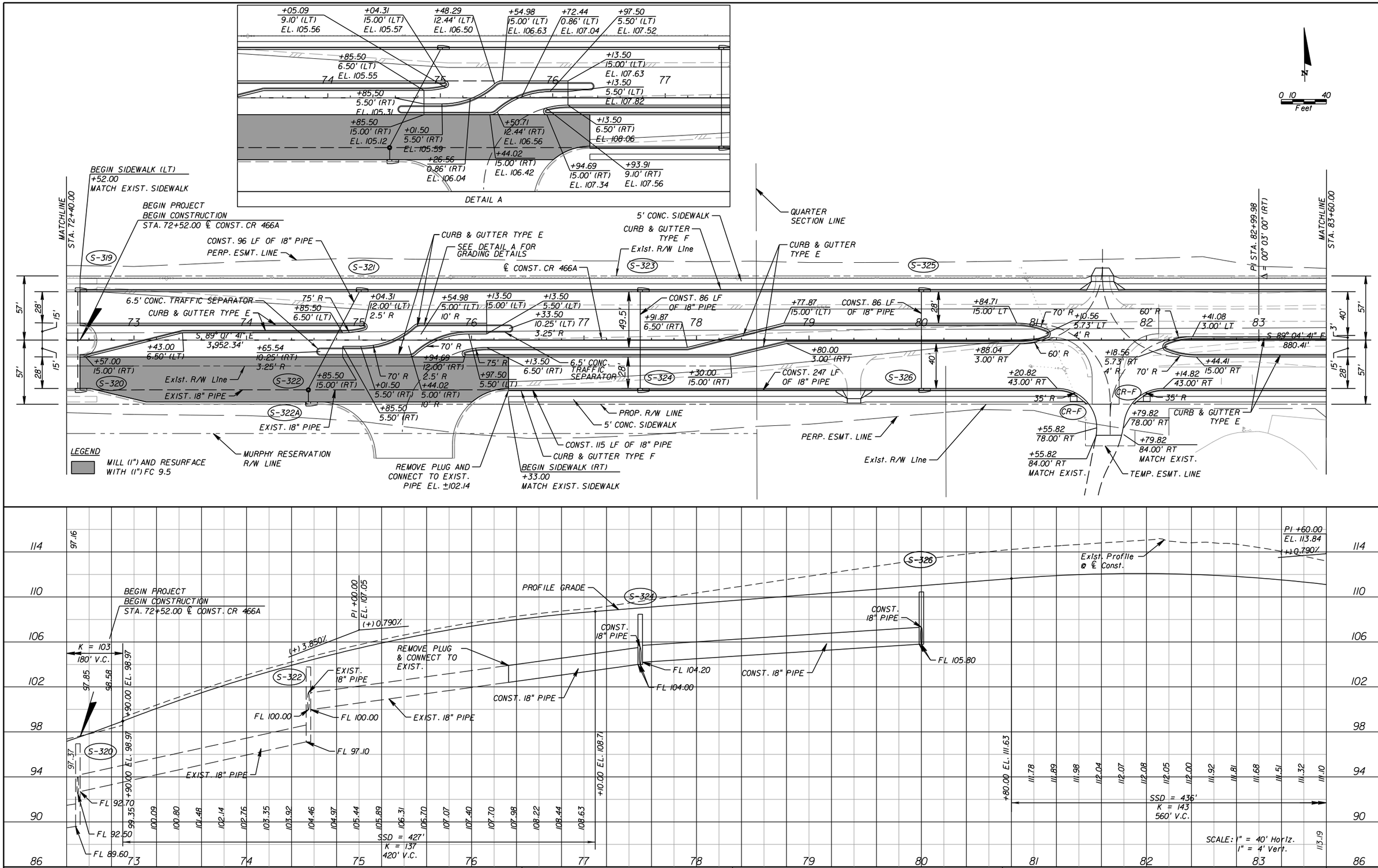
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Orlando, Florida 32801

COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

GENERAL NOTES

SHEET NO. 19



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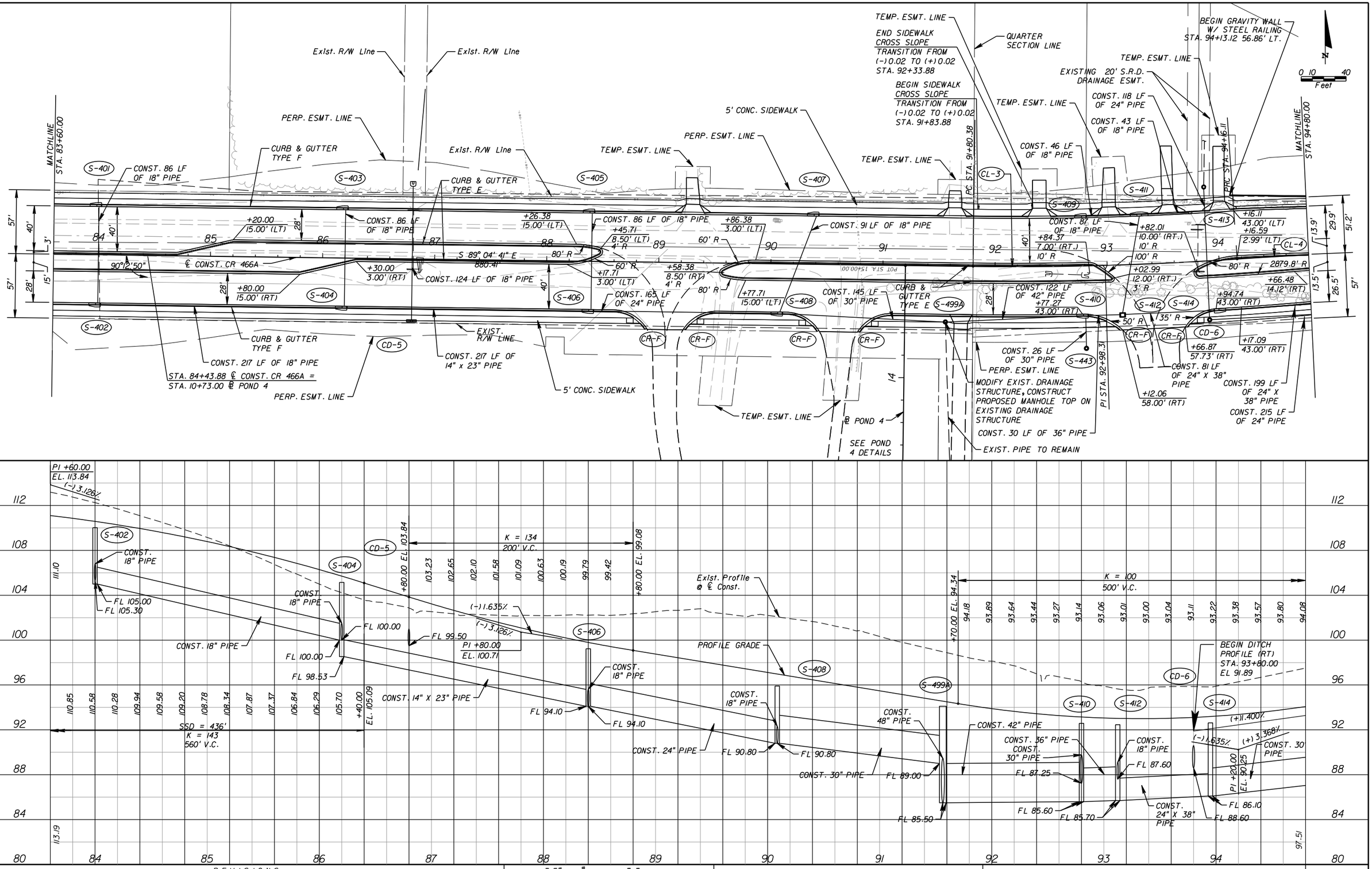
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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

PLAN-PROFILE (01)

SHEET NO. 20

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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

PLAN-PROFILE (02)

SHEET NO. 21

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END GRAVITY WALL W/ STEEL RAILING STA. 94+93.14 60.45' LT.

MATCHLINE STA. 94+80.00

PI STA. 95+31.05

+92.67 51.42' (LT)

CONST. 76 LF OF 18" PIPE

S-415

2903.8' R

+45.87 37.00' (LT)

+95.00 0.12' (LT)

+45.00 11.00' (LT)

95 96 97 98 99 100 101 102 103 104 105 106

2865.4' R

2851.4' R

+45.05 1.00' (LT)

+95.00 11.89' (LT)

+45.87 37.00' (RT)

+93.00 41.00' (RT)

CL-4

S-416

S-448

CONST. 6 LF OF 18" PIPE

CONST. 74 LF OF 18" PIPE

CONST. 226 LF OF 30" PIPE

S-418

+56.99 6.00' (LT) 5' R

+84.85 8.50' (LT) 2.5' R

+84.97 145.98' (LT) MATCH EXIST.

FLARED END

+80.54 71.66' (LT)

35' R

+68.98 46.00' (LT) EL. 103.35

CR-F

5' CONC. SIDEWALK

Exist. R/W Line

S-417

+45.55 37.00' (LT) EL. 103.13

90°00'00"

+03.09 6.00' (LT) 5' R

+39.55 37.00' (LT) EL. 104.29

S 89° 11' 51" E 1,985.54'

℄ CONST. CR 466A

CONST. 261 LF OF 30" PIPE

CONST. 26 LF OF 24" PIPE

S-422

CONST. 98 LF OF 24" PIPE

S-424

CONST. 173 LF OF 24" PIPE

+23.00 11.00' (RT)

+73.00 0.00' (RT)

CONST. 17 LF OF 18" PIPE

CONST. 73 LF OF 18" PIPE

CONST. 67 LF OF 18" PIPE

S-419

S-421

S-423

TEMP. ESMT. LINE

PERP. ESMT. LINE

CURB & GUTTER TYPE E

CURB & GUTTER TYPE F

CONST. 74 LF OF 18" PIPE

S-425

+58.08 8.00' (LT) 3' R

+15.63 8.00' (LT) 2' R

60' R

+34.74 0.00' (RT)

+58.16 37.00' (RT) EL. 110.84

CONTINUOUS CURBING CHANNELING SYSTEM

+68.08 7.50' (RT) 2' R

+78.00 37.00' (RT) EL. 113.34

CR-F

S-426

+47.27 45.10' (RT) EL. 112.91

50' R

+28.03 81.69' (RT)

FLARED END

+28.00 86.66' (RT) EL. 115.26

+42.66 108.55' (RT) MATCH EXIST.

10' R

+38.75 106.93' (RT)

25' R

+08.16 86.87' (RT) EL. 114.62

+08.22 108.55' (RT) MATCH EXIST. ℄ CUTOFF ROAD

CUTOFF ROAD N 0° 48' 09" E 200.00'

MARGUERITE AVENUE N 0° 48' 09" E 200.00'

℄ MARGUERITE AVENUE

+92.74 46.00' (LT) EL. 113.50

FLARED END

+81.17 71.65' (LT) MATCH EXIST.

+46.83 91.33' LT MATCH EXIST.

+63.23 71.35' LT

FLARED END

35' R

+51.66 46.00' (LT) EL. 112.92

CR-F

+28.23 37.00' (LT) EL. 112.58

MATCHLINE STA. 106+00.00

END SIDEWALK CROSS SLOPE TRANSITION FROM (+) 0.02 TO (-) 0.02 STA. 103+72.81

BEGIN SIDEWALK CROSS SLOPE TRANSITION FROM (+) 0.02 TO (-) 0.02 STA. 103+72.81

STA. 105+72.20 ℄ CONST. CR 466A = STA. 30+10.00 ℄ CONST. MARGUERITE AVE.

℄ LAKE JOSEPHINE DRIVE

+01.55 146.03' (LT) MATCH EXIST.

FLARED END

TEMP. ESMT. LINE

PERP. ESMT. LINE

Exist. R/W Line

+04.55 72.34' (LT) 35' R

+16.12 46.00' (LT) EL. 103.93

LAKE JOSEPHINE DRIVE N 0° 36' 57" E 290.00'

CR-F

S-450

S-449

+67.50

5' CONC. SIDEWALK

PROP. R/W LINE

S-420

+76.97

+03.58

+41.34

RETAINING WALL WITH 4' BLACK VINYL COATED CLF WITH TOP RAIL

MURPHY RESERVATION R/W LINE

PT STA. 96+45.87

S-447

+24.68

S-446

S-445

+09.79

CONST. 7 LF OF 18" PIPE

CONST. 24" PIPE

CONST. 24" X 38" PIPE

RETAINING WALL WITH 4' BLACK VINYL COATED CLF WITH TOP RAIL

CONST. 98 LF OF 18" PIPE

CONST. 148 LF OF 18" PIPE

CONST. 5 LF OF 18" PIPE

STA. 98+92.36 ℄ CONST. CR 466A = STA. 30+10.00 ℄ CONST. LAKE JOSEPHINE DR.

RETAINING WALL WITH 4' BLACK VINYL COATED CLF WITH TOP RAIL

Exist. R/W Line

CURB & GUTTER TYPE F

STA. 105+18.08 ℄ CONST. CR 466A = STA. 32+90.00 ℄ CONST. CUTOFF RD.

+86.71 45.95' (RT) EL. 111.60

PERP. ESMT. LINE

CONST. 217 LF OF 18" PIPE

13.9' 29.9' 51.2' 38' 26' 57' 26.5' 13.5' 26' 40' 35.2' 2' 27.5' 47' 30.2' 71'

0 10 40 Feet

N

Profile

K = 100 500' V.C.

94.75 94.39 94.74 95.14 95.57 96.04 96.56 97.11 97.70 98.34 +70.00 EL. 98.67

Exist. Profile ℄ Const.

PI +50.00 EL. 100.69

PI +80.00 EL. 105.74

PI +80.00 EL. 104.45

S-416 S-418 S-420 S-422 S-424 S-426

(+) 3.368% (-) 0.585% (+) 1.634% (+) 3.211% (+) 3.368% (-) 0.585% (-) 11.400% (-) 0.585% (+) 3.203% (+) 11.984% (+) 13.009%

CONST. 30" PIPE

CONST. 18" PIPE

FL 98.60 FL 97.50 FL 93.60 FL 91.80 FL 90.70 FL 88.40

CONST. 30" PIPE

PI +50.00 EL. 94.27

+25.00 EL. 100.52

SSD = 319' K = 78 310' V.C.

+35.00 EL. 104.83

97.51

101.01 101.62 102.18 102.69 103.14 103.55 103.90 104.21 104.46 104.66 104.81 104.91 104.96 104.96 104.91

K = 69 260' V.C.

+90.00 EL. 104.51

+50.00 EL. 107.91

104.46 104.40 104.40 104.46 104.57 104.75 104.98 105.27 105.62 106.03 106.49 107.02 107.60

PROFILE GRADE

CONST. 18" PIPE

FL 98.75 FL 98.65 FL 99.15 FL 99.65 FL 99.15 FL 99.80 FL 103.00 FL 104.60 FL 104.80

CONST. 24" PIPE

CONST. 24" PIPE

CONST. 24" PIPE

PI +50.00 EL. 102.07

PI +20.00 EL. 103.75

PI +50.00 EL. 106.04

PI +40.00 EL. 114.00

PI +00.00 EL. 110.55

+40.00 EL. 110.80

111.41 111.97 112.48 112.93 113.32 113.67 113.96 114.19

SSD = 346' K = 74 200' V.C.

114.65

SCALE: 1" = 40' Horiz. 1" = 4' Vert.

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COUNTY ROAD 466A PHASE 3B LAKE COUNTY, FLORIDA

PLAN-PROFILE (03)

SHEET NO. 22

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END SIDEWALK CROSS SLOPE TRANSITION FROM (-) 0.02 TO (+) 0.02 STA. 107+25.83
TEMP. ESMT. LINE
CONTINUOUS CURBING CHANNELING SYSTEM
BEGIN SIDEWALK CROSS SLOPE TRANSITION FROM (-) 0.02 TO (+) 0.02 STA. 106+75.83
MATCHLINE STA. 106+00.00
+16.17 37.00' (LT) EL. 113.82
CR-F
S-427
CONST. 74 LF OF 18" PIPE
CONC. TRAFFIC SEPARATOR, 4'
CONST. 157 LF OF 18" PIPE
CURB & GUTTER TYPE F
S-428
5' CONC. SIDEWALK
CONST. 18" PIPE
PERP. ESMT. LINE
BEGIN GRAVITY WALL W/ STEEL RAILING STA. 107+50.00 45.00' RT.
BEGIN SIDEWALK CROSS SLOPE TRANSITION FROM (+) 0.02 TO (-) 0.02 STA. 107+37.83
Exist. R/W Line
END SIDEWALK CROSS SLOPE TRANSITION FROM (+) 0.02 TO (-) 0.02 STA. 107+37.83
PERP. ESMT. LINE
CONST. 126 LF OF 18" PIPE
S-451
+40.00 7.50' (LT) 2' R
S-429
CONST. 74 LF OF 18" PIPE
+70.00 11.00' (LT)
S 89° 11' 51" E 1,985.54'
+70.00 11.00' (RT)
S-430
35' R
CR-F
+87.70 37.00' RT EL. 115.09
END GRAVITY WALL W/ STEEL RAILING STA. 109+05.69 45.00' RT.
+09.99 45.01' RT EL. 114.90
+15.17 50.31' RT
+12.07 71.85' RT MATCH EXIST.
+12.70 102.79' RT MATCH EXIST.
+31.17 117.56' RT MATCH EXIST.
5' CONC. SIDEWALK STA. 109+37.87 ℄ CONST. CR 466A = STA. 32+90.00 @ CONST. VALLEY RD.
S-452
TEMP. ESMT. LINE
CURB & GUTTER TYPE F
90°0'0"
+97.76 37.00' (RT) EL. 114.40
S-432
CONST. 77 LF OF 18" PIPE
+70.63 45.00' RT EL. 114.53 50' R
+22.18 65.99' RT FLARED END
+47.94 91.15' RT EL. 110.48
+66.49 109.44' RT MATCH EXIST. 20' R
+51.27 112.94' RT MATCH EXIST.
N 0° 48' 09" E 200.00' VALLEY ROAD
@ VALLEY ROAD
CONST. 90 LF OF 18" PIPE
BEGIN SIDEWALK CROSS SLOPE TRANSITION FROM (-) 0.02 TO (+) 0.02 STA. 110+23.14
END SIDEWALK CROSS SLOPE TRANSITION FROM (-) 0.02 TO (+) 0.02 STA. 110+73.14
S-453
TEMP. ESMT. LINE
CONST. 127 LF OF 18" PIPE
S-454
℄ CONST. CR 466A
Exist. R/W Line
BEGIN SIDEWALK CROSS SLOPE TRANSITION FROM (-) 0.02 TO (+) 0.02 STA. 111+25.29
END GRAVITY WALL W/ STEEL RAILING STA. 111+70.17 45.00' RT.
END SIDEWALK CROSS SLOPE TRANSITION FROM (-) 0.02 TO (+) 0.02 STA. 111+75.29
PERP. ESMT. LINE
BEGIN GRAVITY WALL W/ STEEL RAILING STA. 110+40.00 45.00' RT.
CONST. 106 LF OF 18" PIPE
TEMP. ESMT. LINE
BEGIN SIDEWALK CROSS SLOPE TRANSITION FROM (+) 0.02 TO (-) 0.02 STA. 112+16.60 R 2
END SIDEWALK CROSS SLOPE TRANSITION FROM (+) 0.02 TO (-) 0.02 STA. 112+66.60
S-455
CURB & GUTTER TYPE E
S-433
CONST. 48 LF OF 18" PIPE
S-435
CONST. 299 LF OF 18" PIPE
CONST. 76 LF OF 18" PIPE
CURB & GUTTER TYPE F
S-434
S-436
S-438
END SIDEWALK CROSS SLOPE TRANSITION FROM (+) 0.02 TO (-) 0.02 STA. 112+53.99
CONST. 28 LF OF 18" PIPE
CONST. 26 LF OF 24" PIPE
CONST. 42 LF OF 19" X 30" PIPE
STA. 112+16.77 ℄ CONST. CR 466A = STA. 8+90.00 @ POND 5
BEGIN SIDEWALK CROSS SLOPE TRANSITION FROM (+) 0.02 TO (-) 0.02 STA. 112+03.99
@ POND 5
PROP. R/W LINE
CONST. 59 LF OF 18" PIPE
CONST. 85 LF OF 18" PIPE
CONST. 65 LF OF 18" PIPE
S-456
S-457
CONST. 32 LF OF 18" PIPE
TEMP. ESMT. LINE
CD-7
TEMP. ESMT. LINE
TEMP. ESMT. LINE
POT STA 16+30.91
MATCHLINE STA. 117+20.00
CONST. 78 LF OF 18" PIPE
S-437
S-439
S-440
+70.00 0.00' (RT)
+20.00 11.00' (RT)
CR-F
CL-5
S-500A
EXIST. 30" PIPE
EXIST. 30" PIPE
EXIST. PIPE
PC STA. 116+31.40
0 10 40 Feet
N

47' 30.2' 2" 35.2' 47'
27.5' 11" 26' 37' 47'
106 107 108 109 110 111 112 113 114 115 116 117

K = 66
360' V.C.
+00.00 EL. 109.86
109.55 109.30 109.11 108.98 108.91 108.91 108.96 109.07 109.25 109.48 109.77 110.13 110.55 111.02 111.56 112.16 112.82
+60.00 EL. 113.53
115.78
PROFILE GRADE
Exist. Profile @ ℄ Const.
PI +40.00 EL. 116.00
(+)0.500% (-)1.705%
END DITCH PROFILE (RT) STA. 106+60.00 EL 113.10
114.19
114.65
114.37
SSD=346'
K = 74
200' V.C.
+40.00 EL. 114.50
+40.00 EL. 115.50
115.58 115.61 115.60 115.55 115.45 115.31 115.12 114.89 114.61
SSD = 401'
K = 91
200' V.C.
+40.00 EL. 114.29
FL 108.60
CONST. 18" PIPE
FL 109.60
FL 109.40
FL 110.00
CONST. 18" PIPE
(+)1.592%
CONST. 18" PIPE
CONST. 18" PIPE
PI +80.00 EL. 106.79
(-)1.705%
(+)3.745%
FL 104.00
CONST. 18" PIPE
FL 103.90
FL 103.80
FL 103.60
CONST. 24" PIPE
FL 103.50
FL 102.50
FL 101.00
CONST. 19" X 30" PIPE
FL 101.10
CD-7
FL 98.63
PI +00.00 EL. 110.00
CONST. 18" PIPE
FL 105.70
FL 105.90
FL 102.60
EXIST. 30" PIPE
EXIST. 30" PIPE
+5.00 EL. 115.99
SSD = 318'
K = 76
340' V.C.
116.32
SCALE: 1" = 40' Horiz.
1" = 4' Vert.

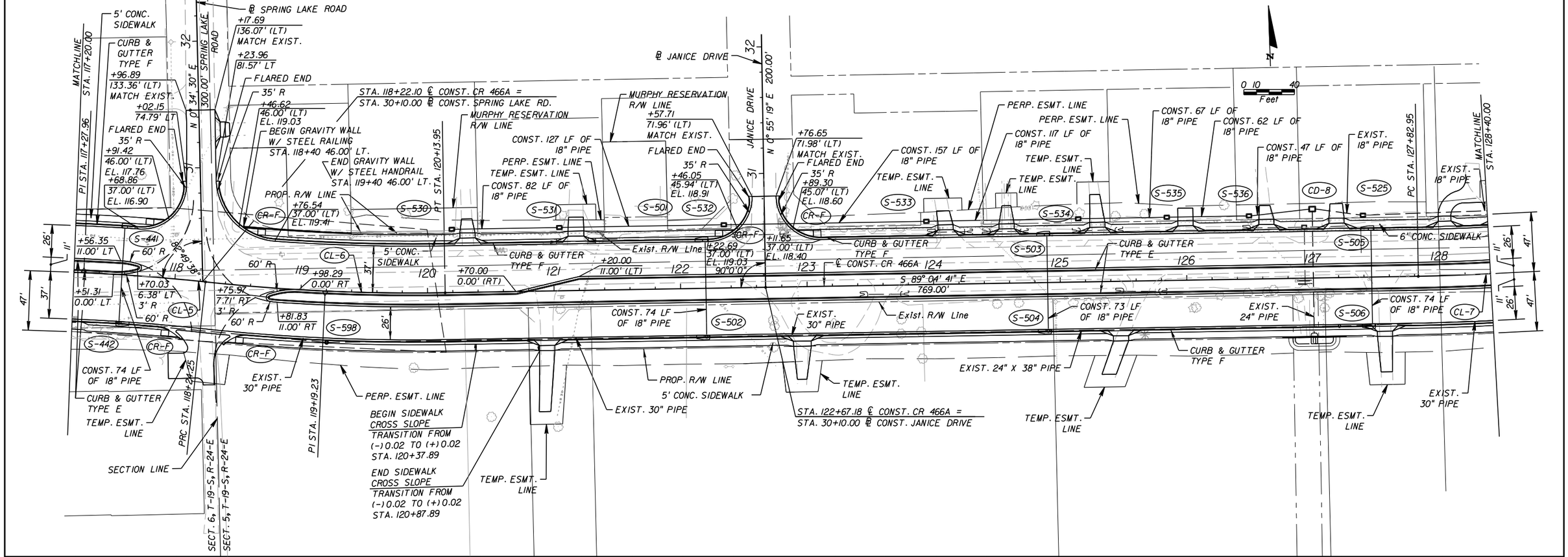
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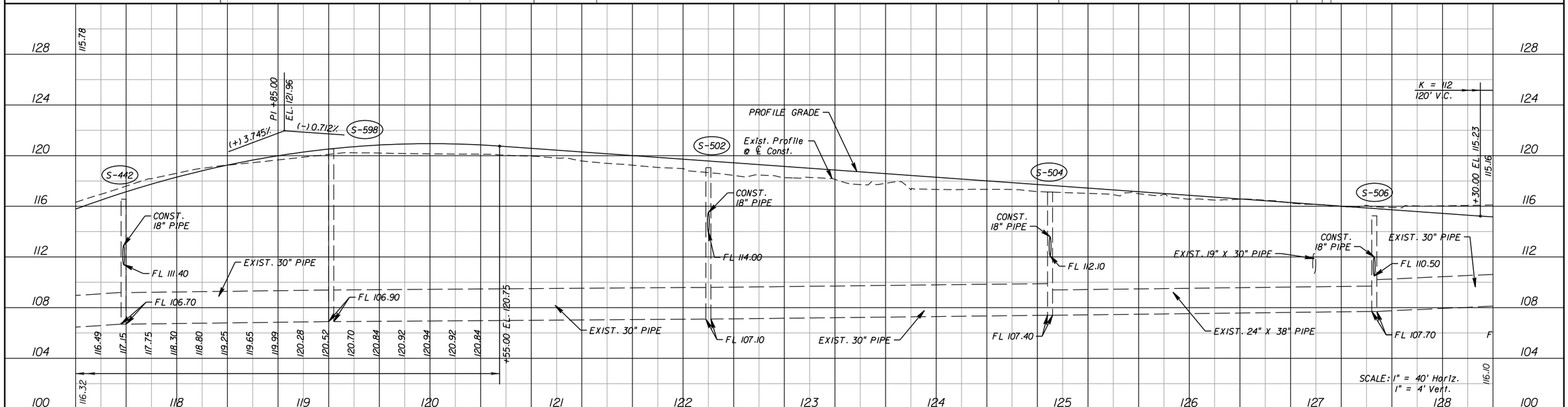
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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

PLAN-PROFILE (04)

SHEET NO. 23





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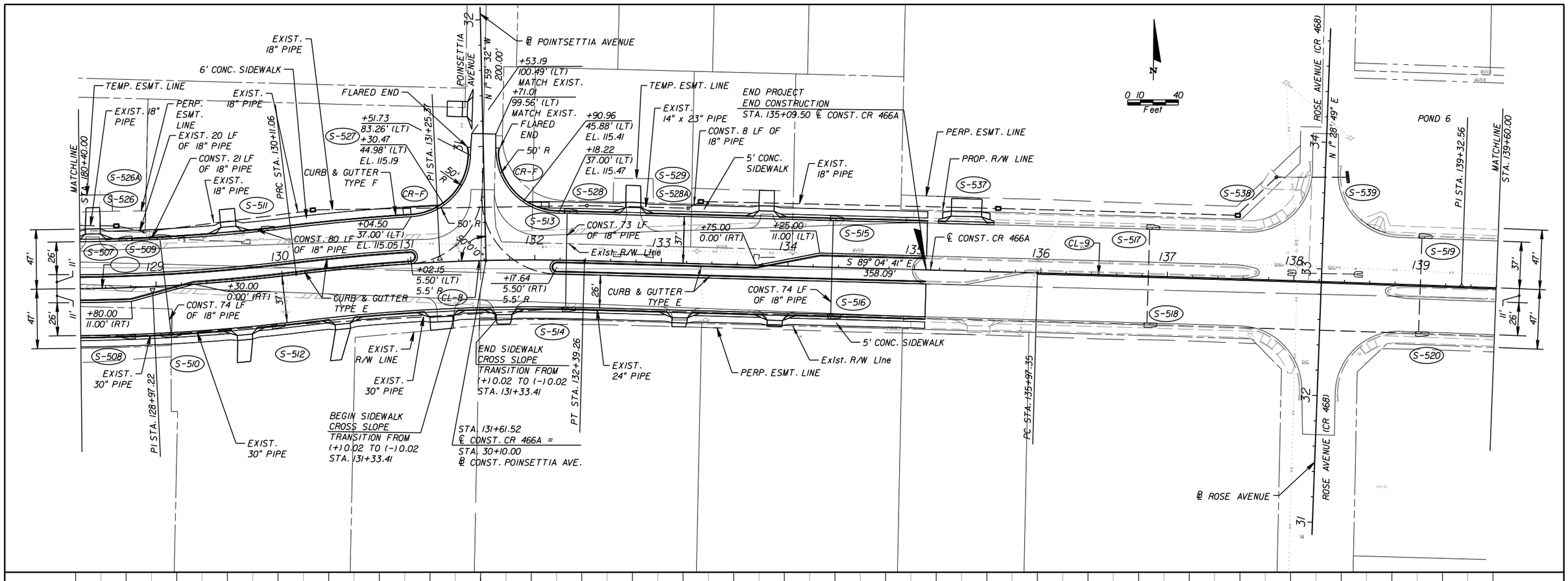
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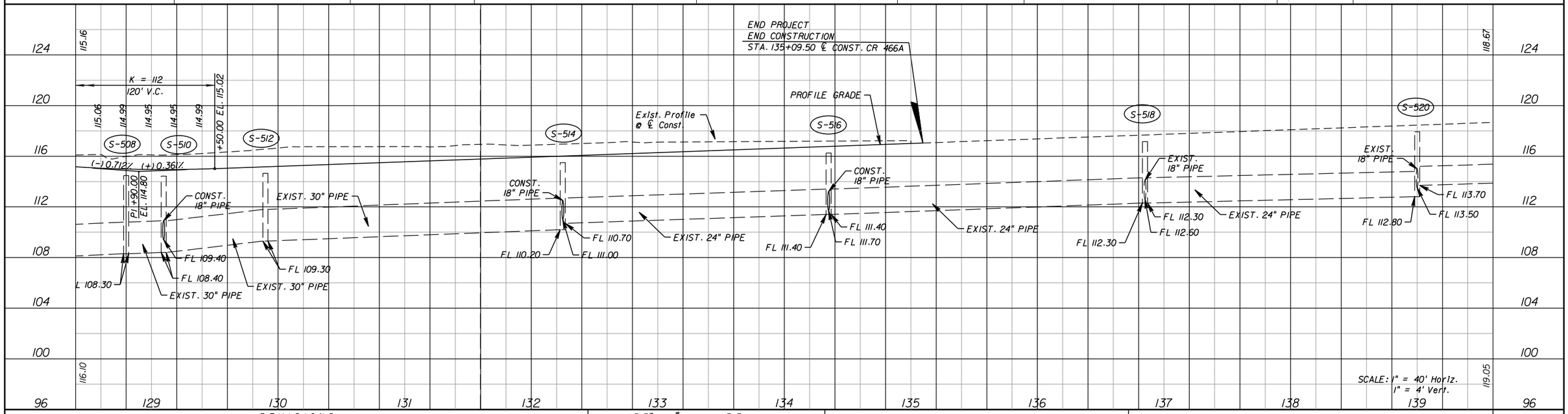
COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

PLAN-PROFILE (05)

SHEET NO. 24

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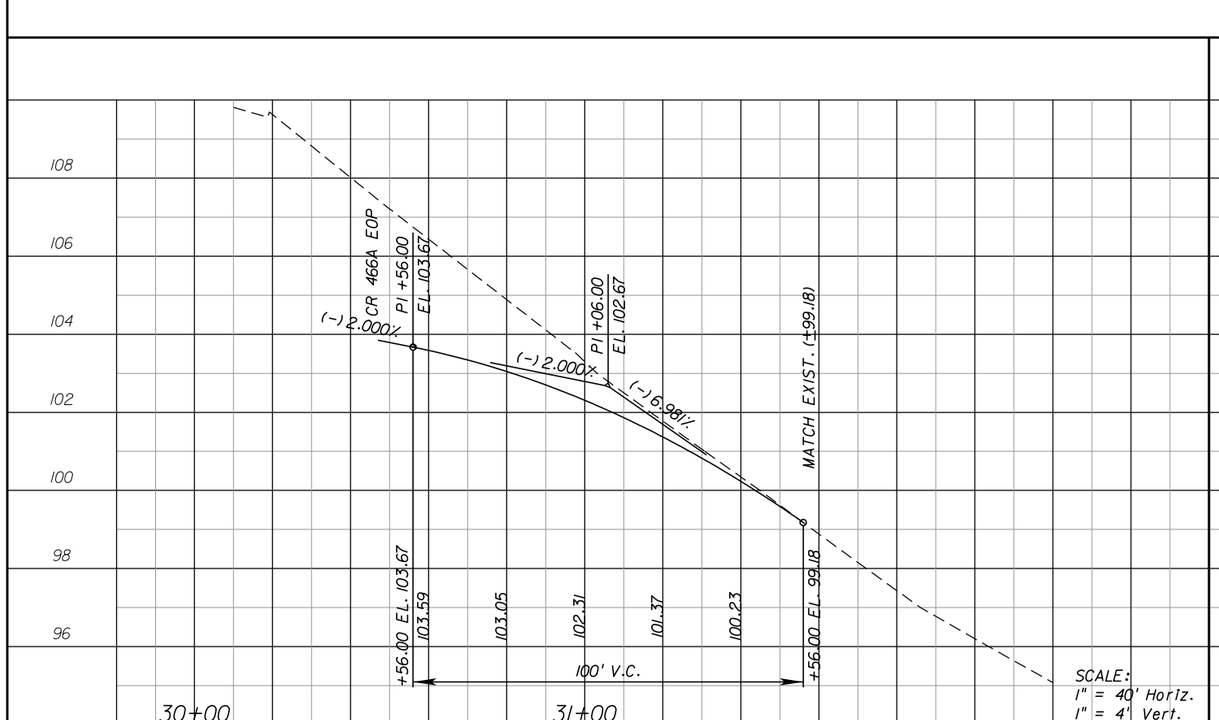
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PHASE 3B
LAKE COUNTY, FLORIDA

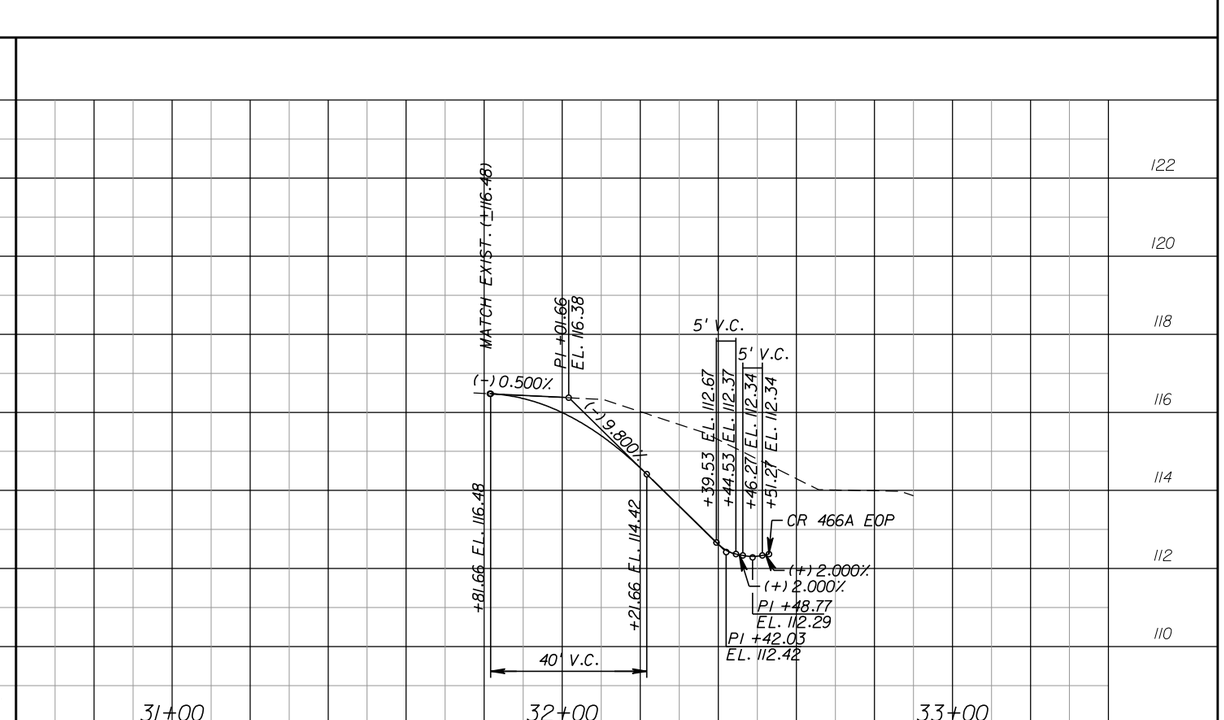
PLAN-PROFILE (06)

SHEET NO. 25

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LAKE JOSEPHINE DRIVE
STA. 98+92.36 (LT.)
℄ CONST. CR 466A



CUTOFF ROAD
STA. 105+18.08 (RT.)
℄ CONST. CR 466A

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

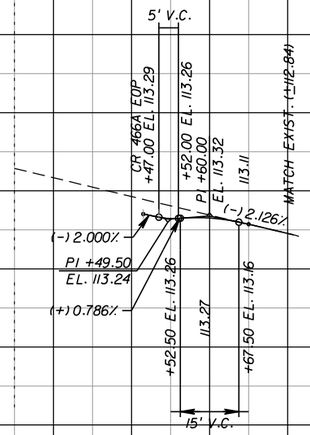
Kimley»Horn
Certificate Of Authorization No. 696
L. Frederick Burkett, P.E.
P.E. License No. 45825
189 South Orange Avenue, Suite 1000
Orlando, Florida 32801

COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

SIDE STREET PROFILES (01)

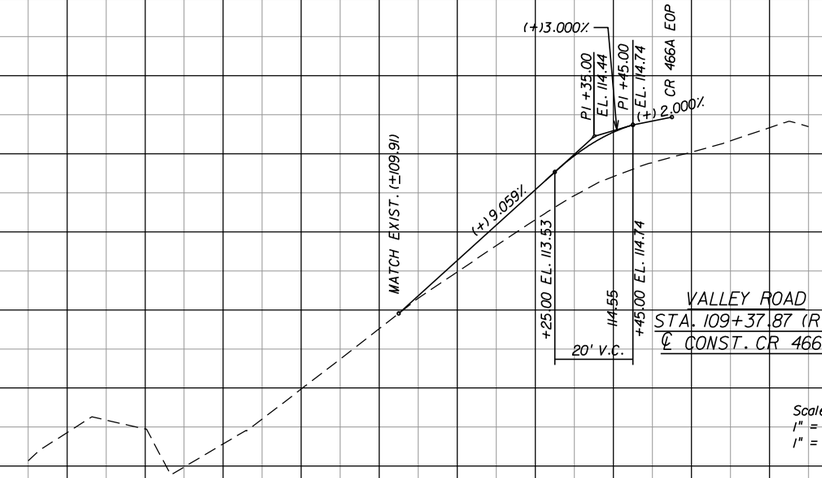
SHEET NO. 26

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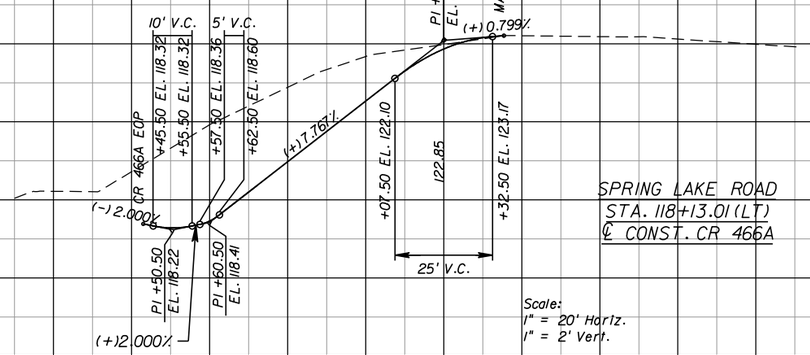
MARGUERITE AVENUE
STA. 105+72.20 (LT)
℄ CONST. CR 466A

Scale:
1" = 20' Horiz.
1" = 2' Vert.



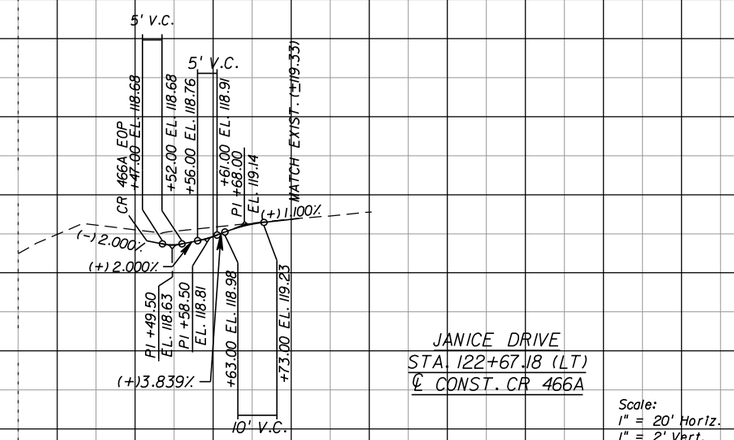
VALLEY ROAD
STA. 109+37.87 (RT)
℄ CONST. CR 466A

Scale:
1" = 20' Horiz.
1" = 2' Vert.



SPRING LAKE ROAD
STA. 118+13.01 (LT)
℄ CONST. CR 466A

Scale:
1" = 20' Horiz.
1" = 2' Vert.



JANICE DRIVE
STA. 122+67.18 (LT)
℄ CONST. CR 466A

Scale:
1" = 20' Horiz.
1" = 2' Vert.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

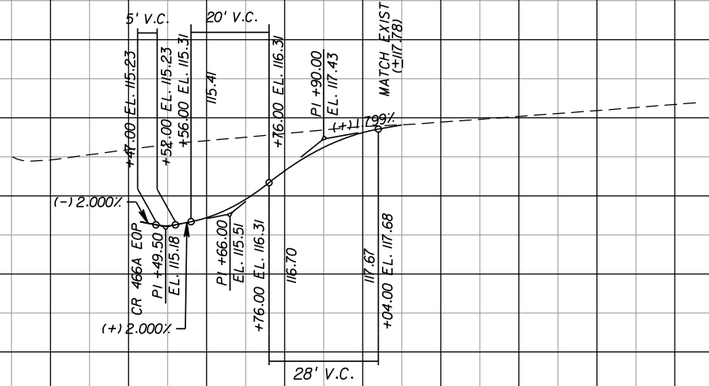
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Orlando, Florida 32801

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PHASE 3B
LAKE COUNTY, FLORIDA

SIDE STREET PROFILES (02)

SHEET NO. 27

Spencer.Edwards 12/20/2022 12:33:59 PM K:\ORL_Roadway\049473002_Phase3B\049473002\roadway\Profiles\profrd02_sldest.dgn



POINTSETTIA AVENUE
STA. 131+61.52 (LT)
℄ CONST. CR 466A

30+00

31+00

Scale:
1" = 20' Horiz
1" = 2' Vert.

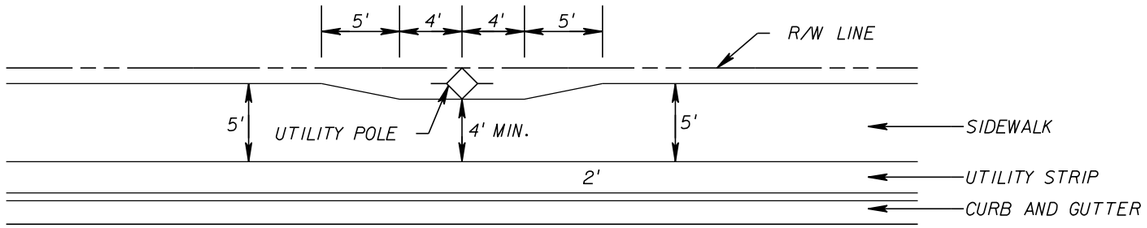
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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SIDE STREET PROFILES (03)

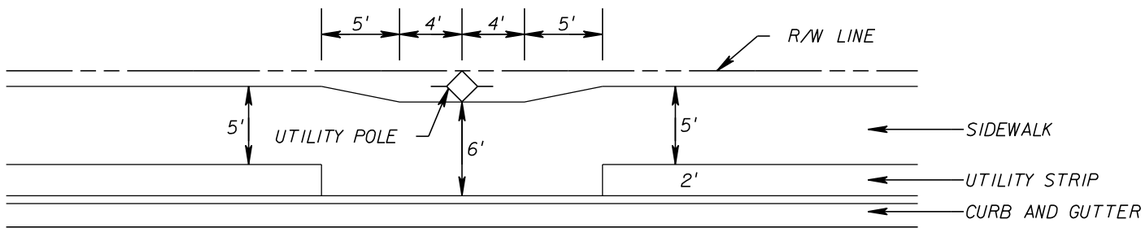
SHEET NO.
28



SIDEWALK MEANDER DETAIL A

N.T.S.

WHERE A 4' MINIMUM SIDEWALK WIDTH
AND 2' UTILITY STRIP IS MAINTAINED



SIDEWALK MEANDER DETAIL B

N.T.S.

WHERE A 4' MINIMUM SIDEWALK WIDTH
AND 2' UTILITY STRIP CANNOT BE MAINTAINED

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

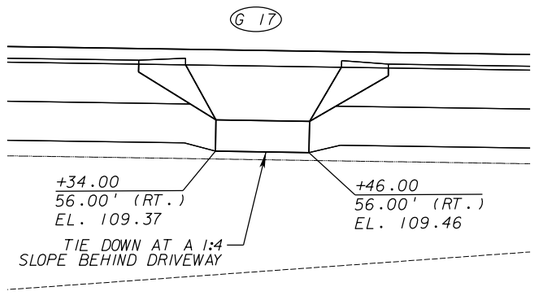
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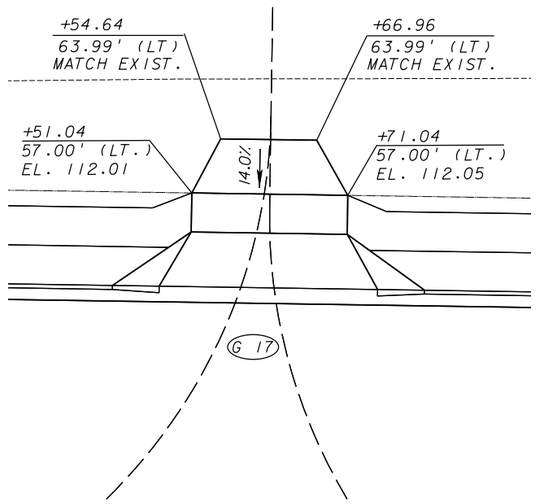
SPECIAL DETAILS

SHEET NO.
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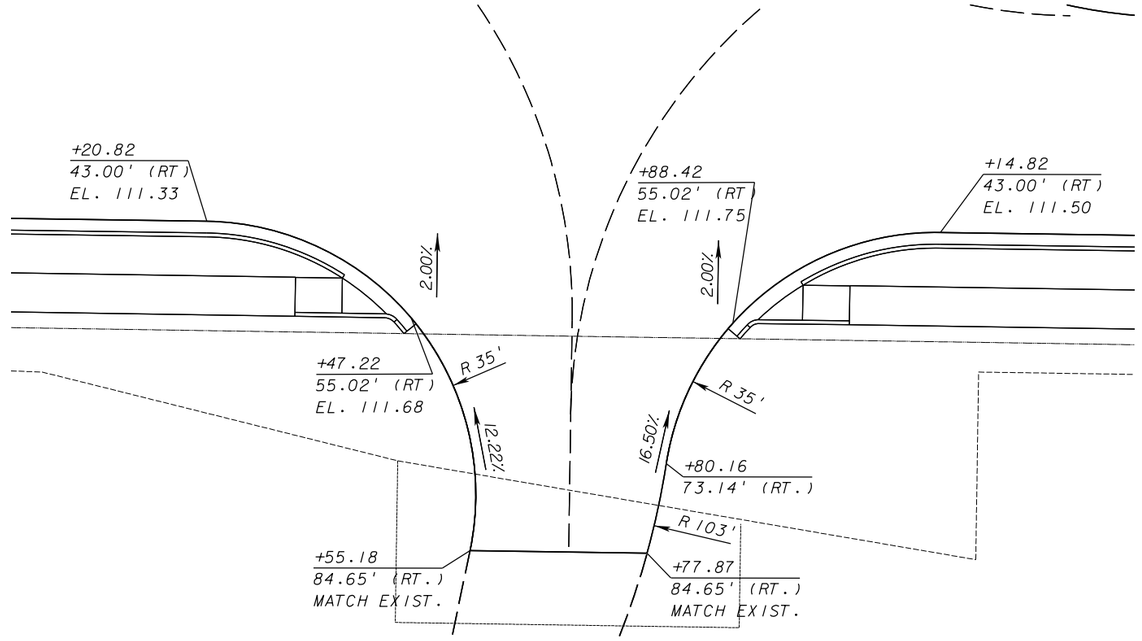
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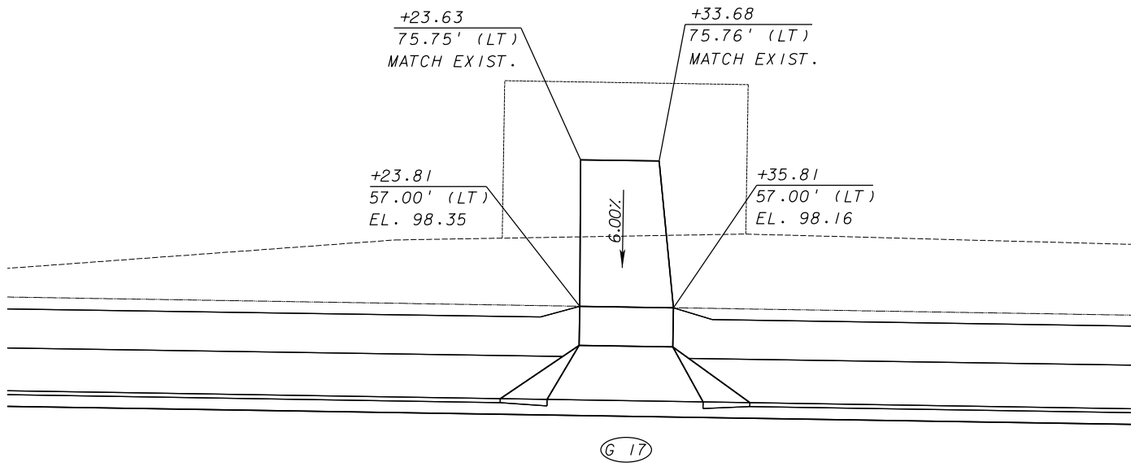
DRIVEWAY STA. 79+40.00 (RT)



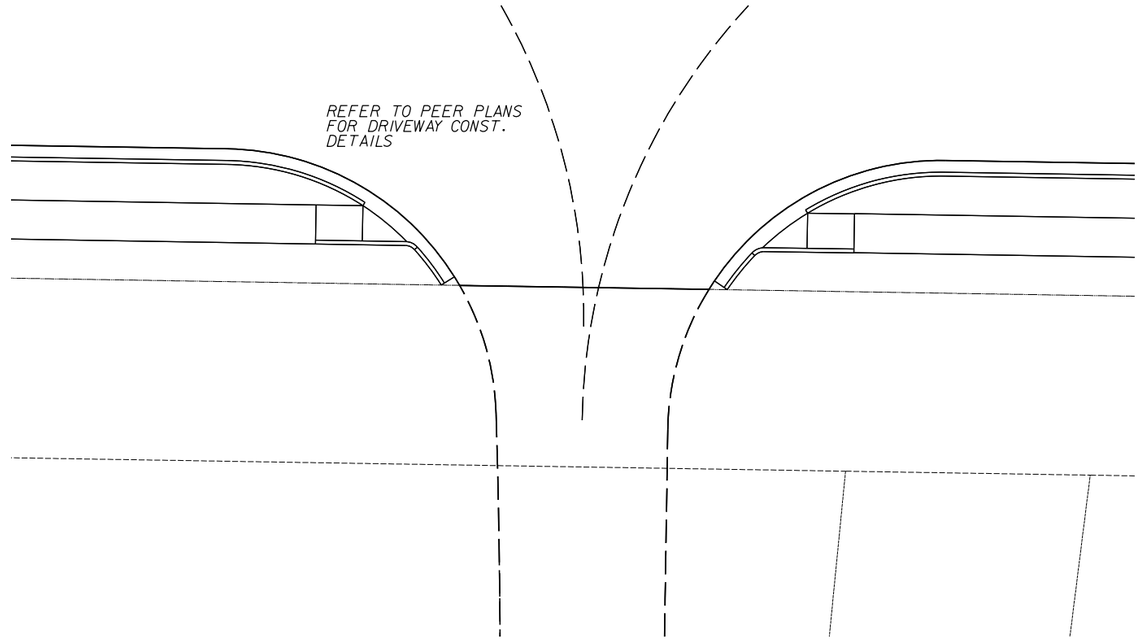
DRIVEWAY STA. 81+61.04 (LT)



DRIVEWAY STA. 81+69.91 (RT)



DRIVEWAY STA. 89+29.81 (LT)



DRIVEWAY STA. 89+06.37 (RT)

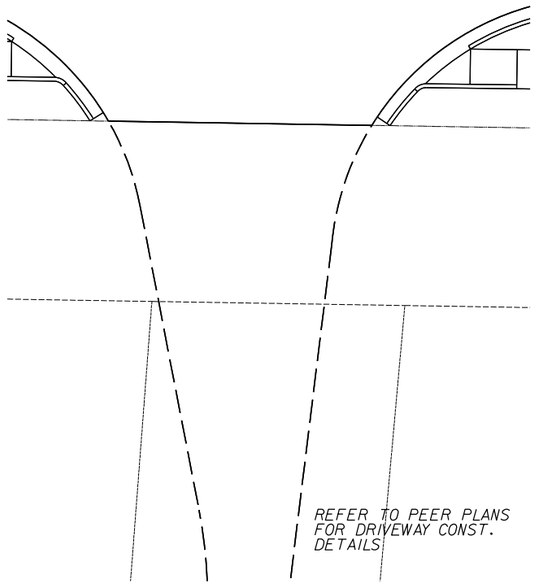
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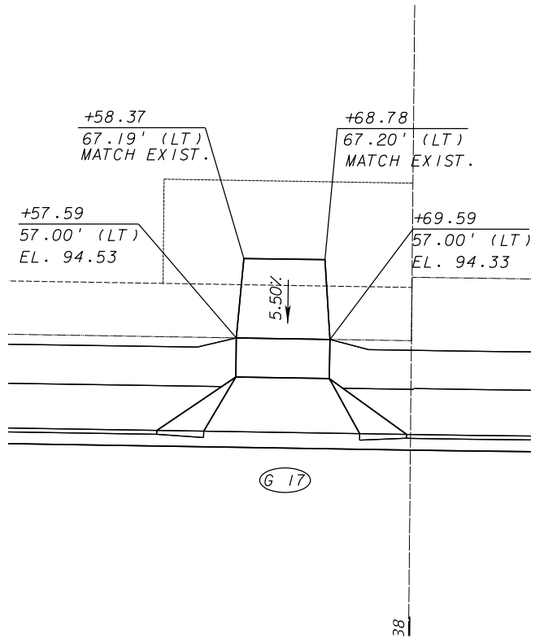
COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRIVEWAY DETAILS (01)

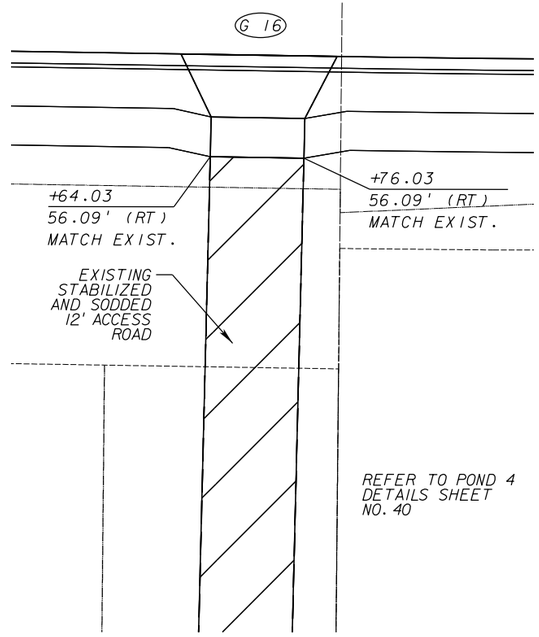
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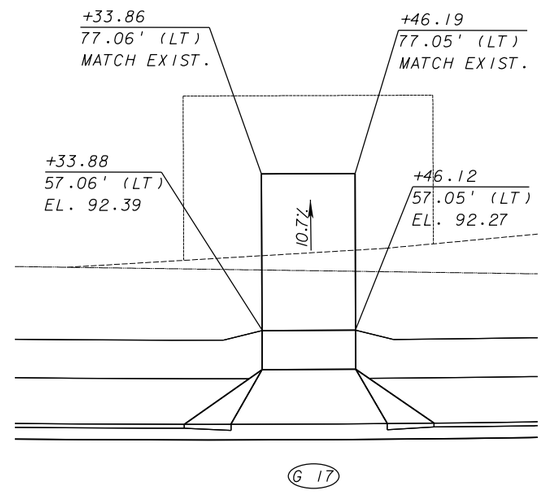
DRIVEWAY STA. 90+68.07 (RT)



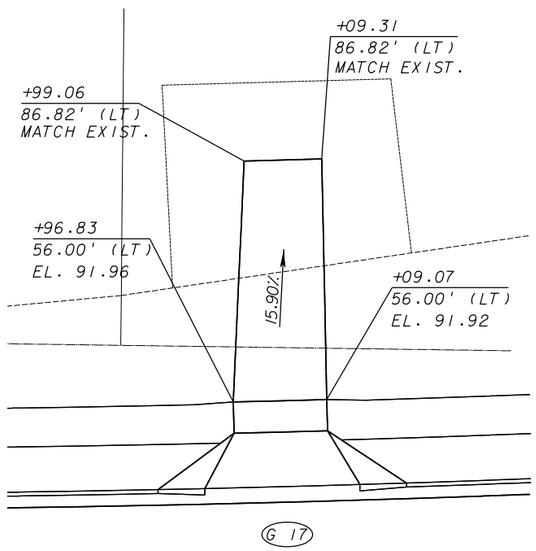
DRIVEWAY STA. 91+63.59 (LT)



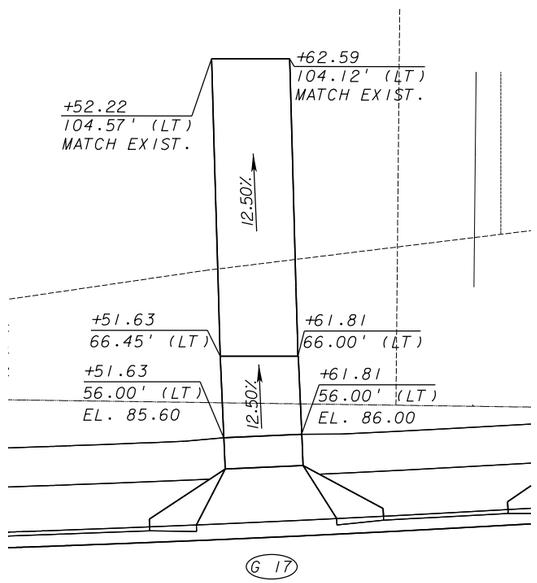
DRIVEWAY STA. 91+70.00 (RT)



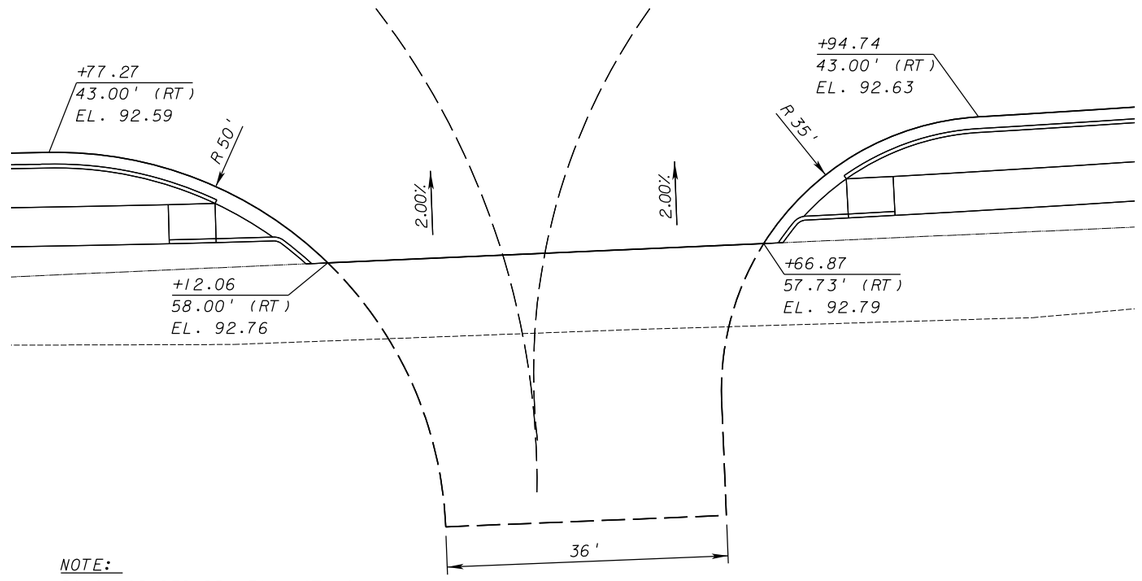
DRIVEWAY STA. 92+40.00 (LT)



DRIVEWAY STA. 93+02.95 (LT)



DRIVEWAY STA. 93+56.72 (LT)



NOTE:
ROUGH GRADED DRIVEWAY AT 10%

DRIVEWAY STA. 93+43.14 (RT)

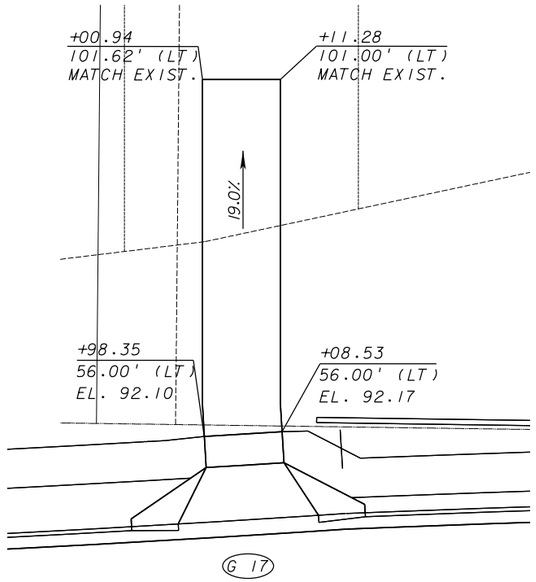
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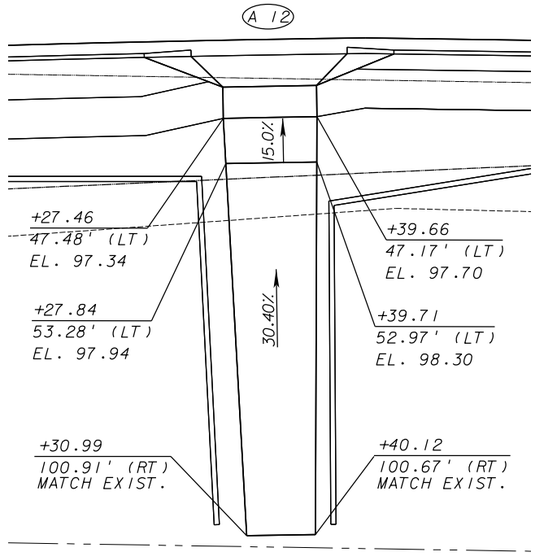
COUNTY ROAD 466A
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LAKE COUNTY, FLORIDA

DRIVEWAY DETAILS (02)

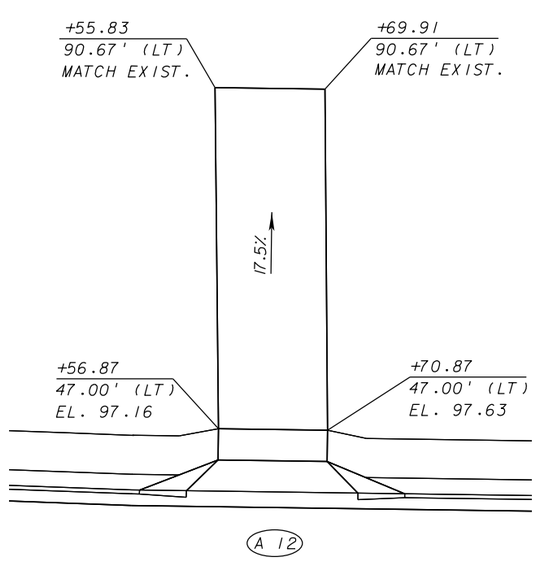
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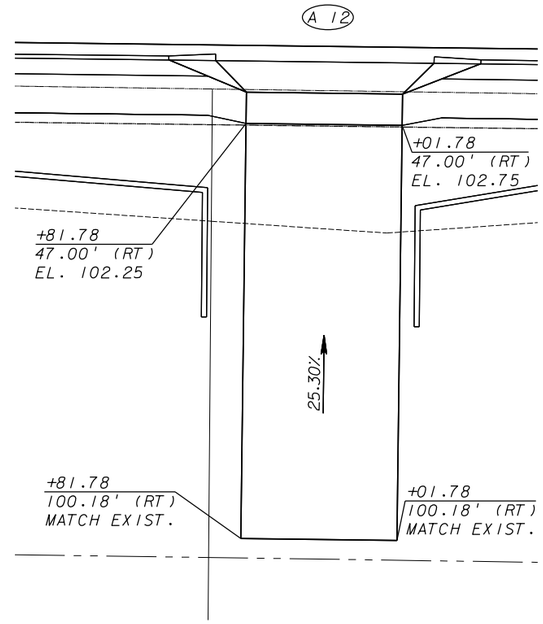
DRIVEWAY STA. 94+03.44 (LT)



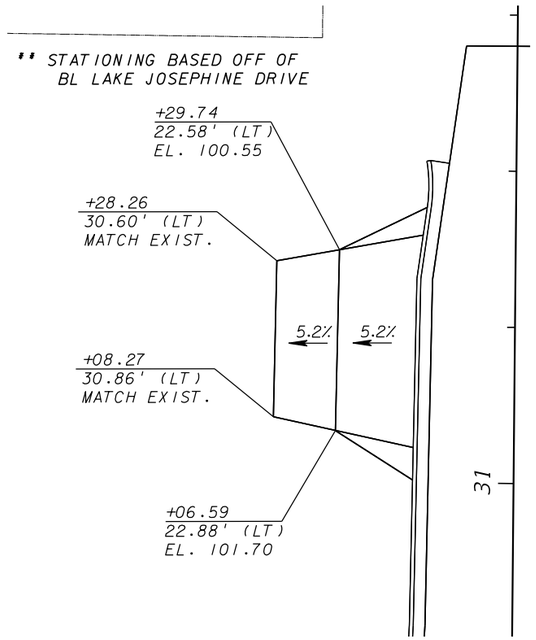
DRIVEWAY STA. 96+33.58 (RT)



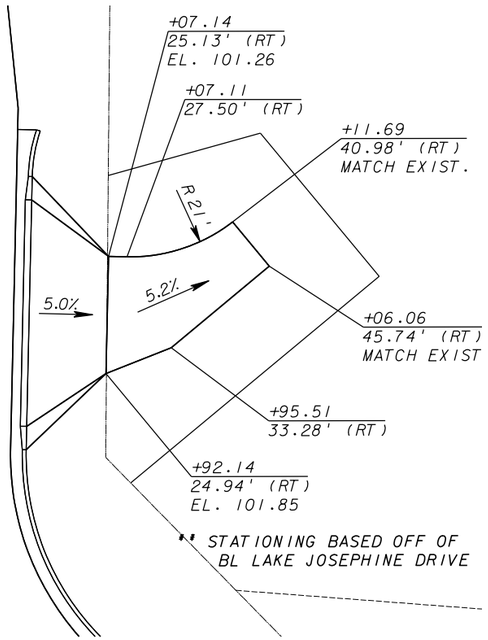
DRIVEWAY STA. 96+63.87 (LT)



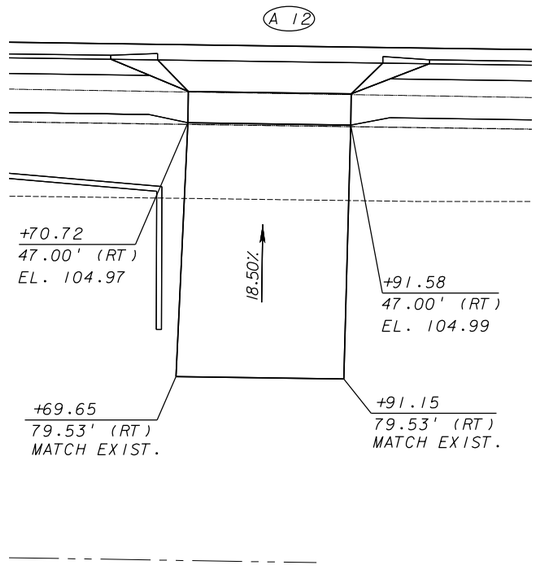
DRIVEWAY STA. 97+91.78 (RT)



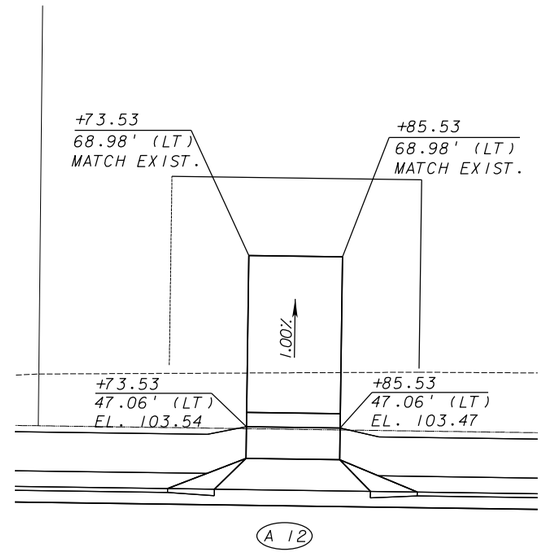
DRIVEWAY STA. 98+80.00 (LT)



DRIVEWAY STA. 99+05.75 (LT)



DRIVEWAY STA. 99+81.15 (RT)



DRIVEWAY STA. 100+63.51(LT)

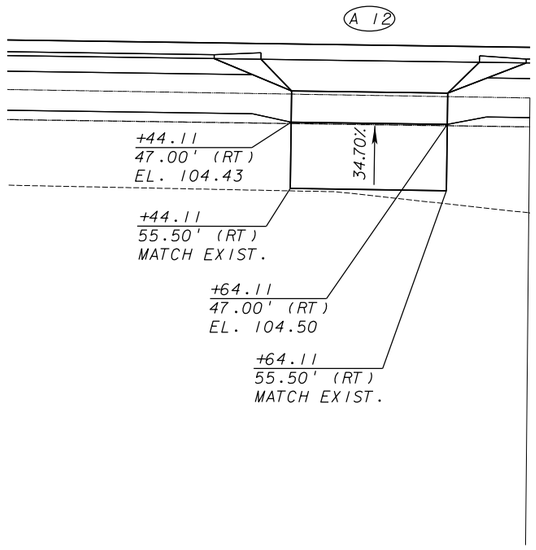
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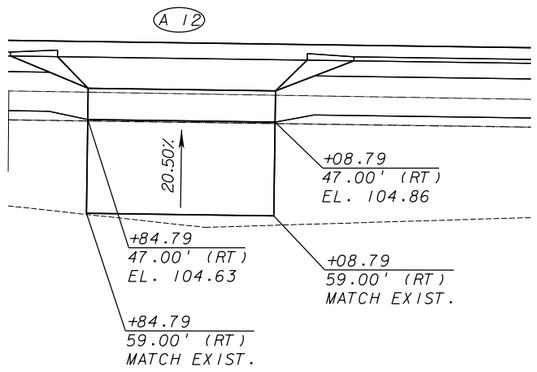
COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRIVEWAY DETAILS (03)

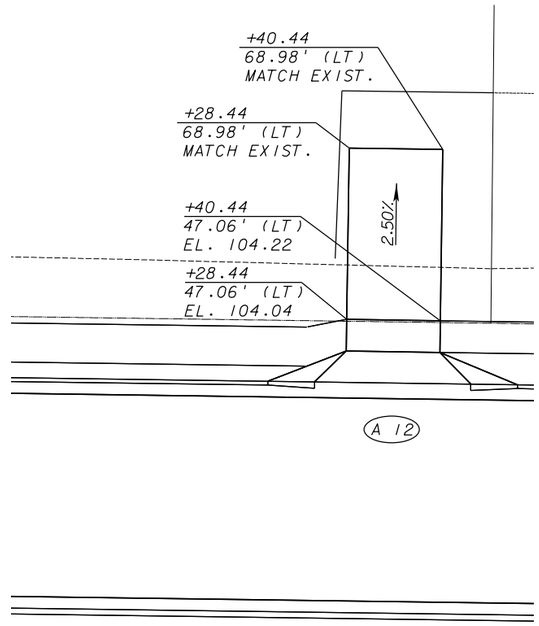
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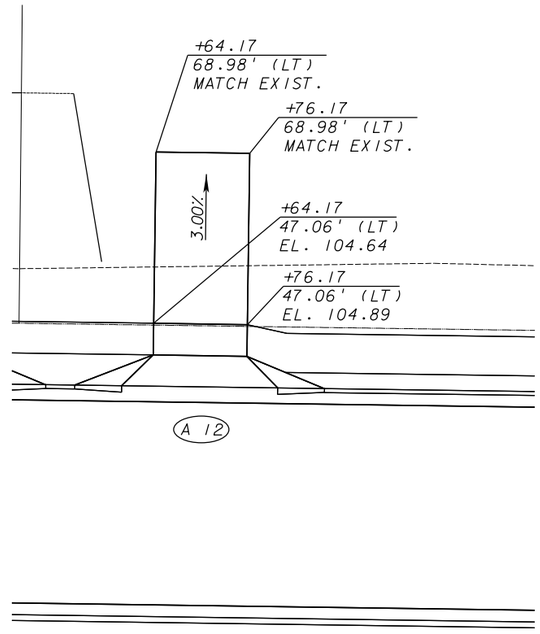
DRIVEWAY STA. 101+54.11 (RT)



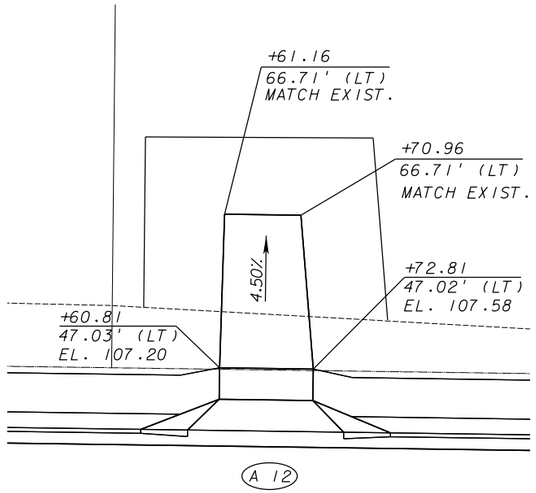
DRIVEWAY STA. 101+96.79 (RT)



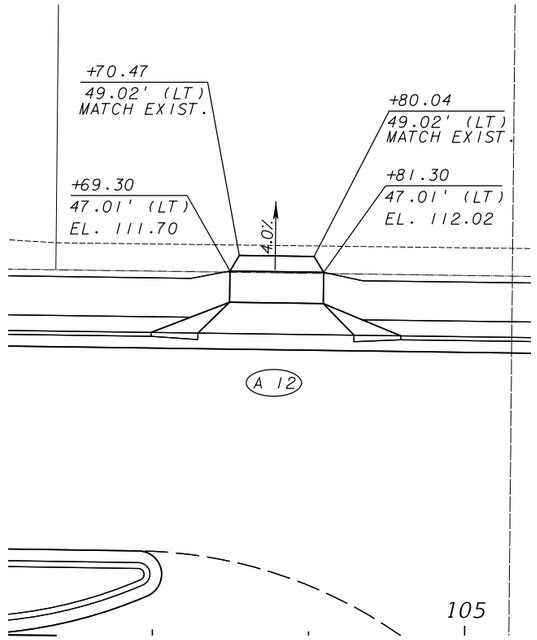
DRIVEWAY STA. 102+34.44 (LT)



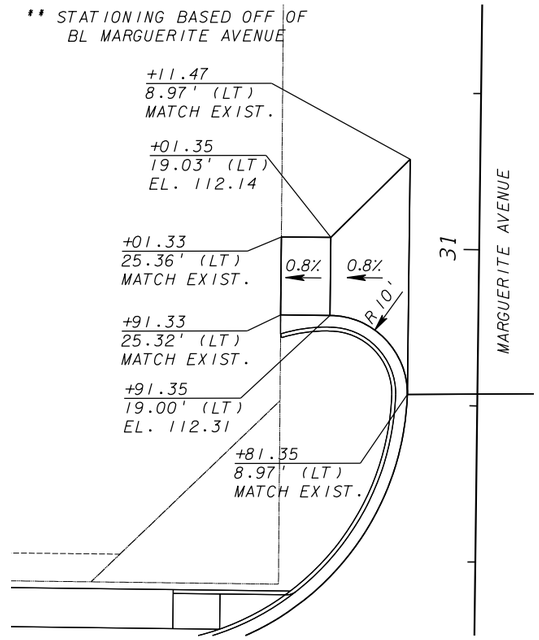
DRIVEWAY STA. 102+70.17 (LT)



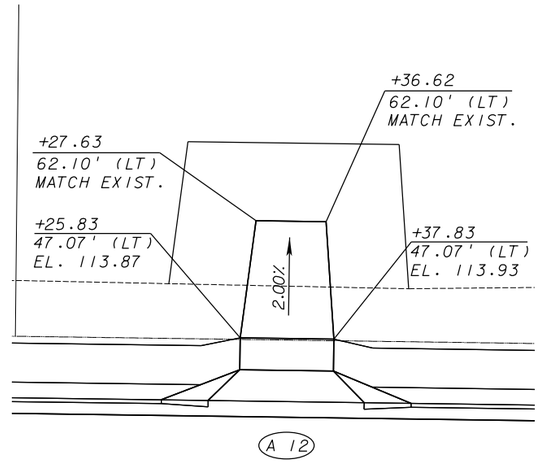
DRIVEWAY STA. 103+66.81 (LT)



DRIVEWAY STA. 104+75.30 (LT)



DRIVEWAY STA. 105+63.23 (LT)



DRIVEWAY STA. 107+31.83 (LT)

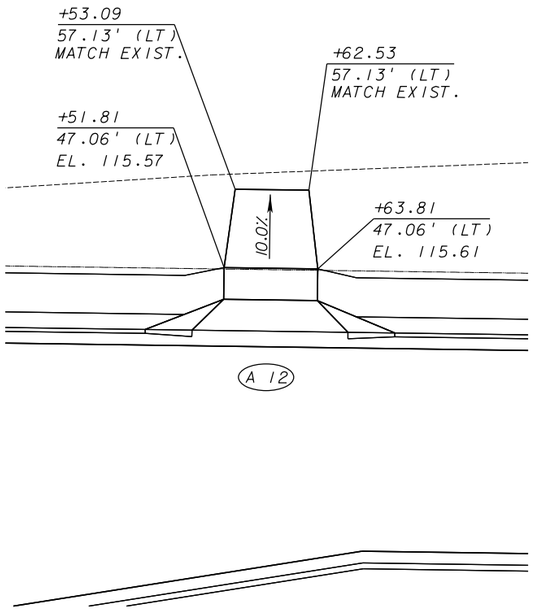
REVISIONS					
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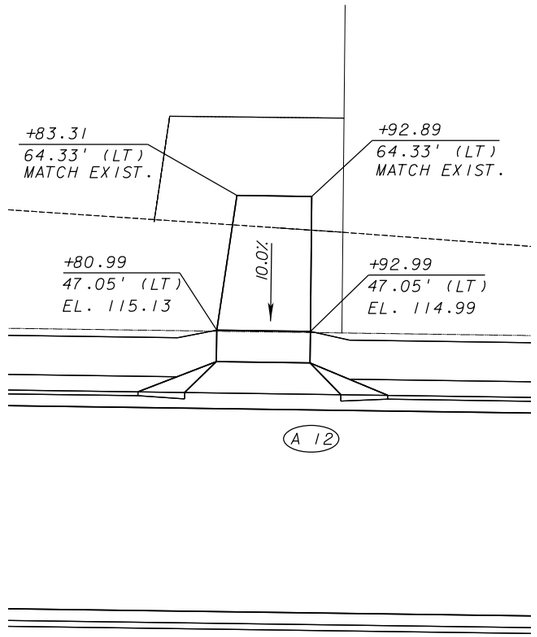
COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRIVEWAY DETAILS (04)

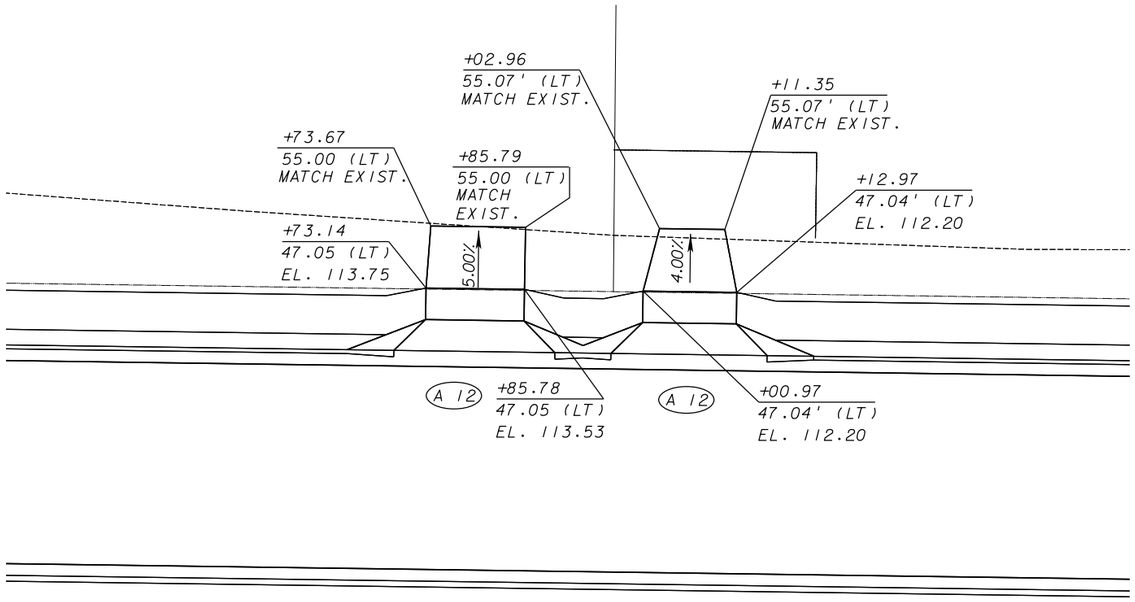
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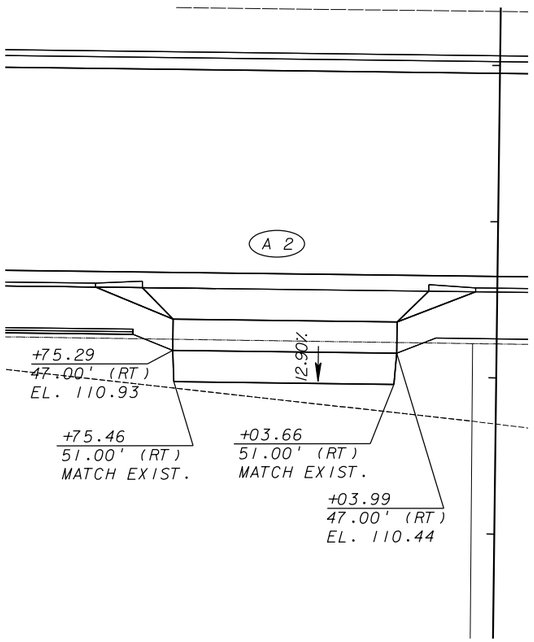
DRIVEWAY STA. 108+57.81 (LT)



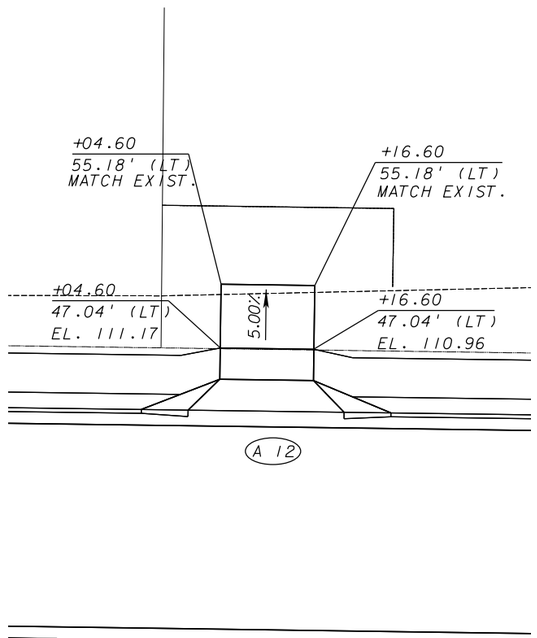
DRIVEWAY STA. 109+86.99 (LT)



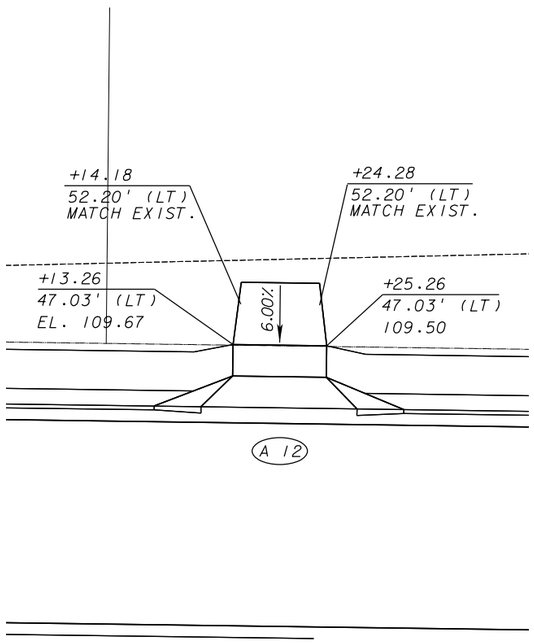
DRIVEWAY STA. 110+79.46 (LT) & DRIVEWAY STA. 111+06.97 (LT)



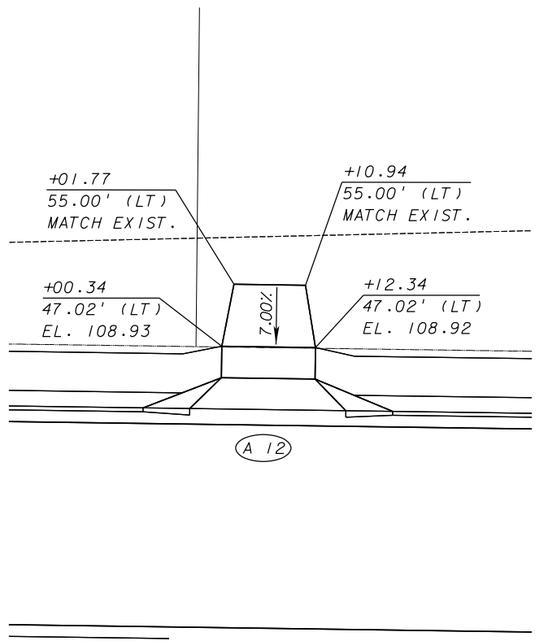
DRIVEWAY STA. 111+89.64 (RT)



DRIVEWAY STA. 112+10.60 (LT)



DRIVEWAY STA. 113+19.26 (LT)



DRIVEWAY STA. 114+06.34 (LT)

REVISIONS					
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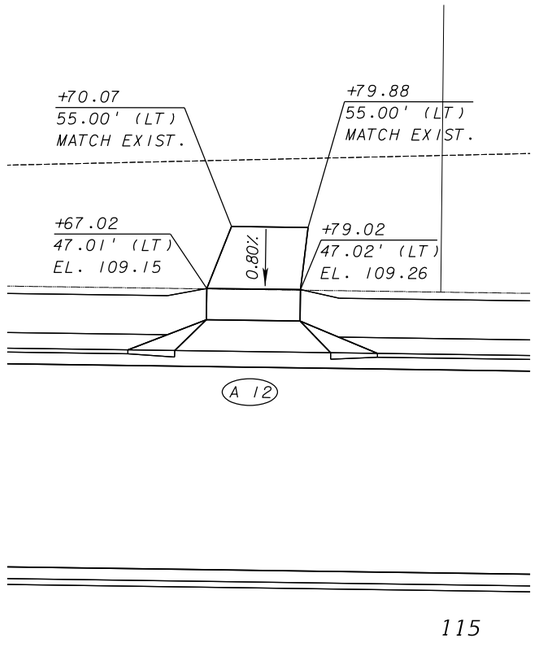
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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

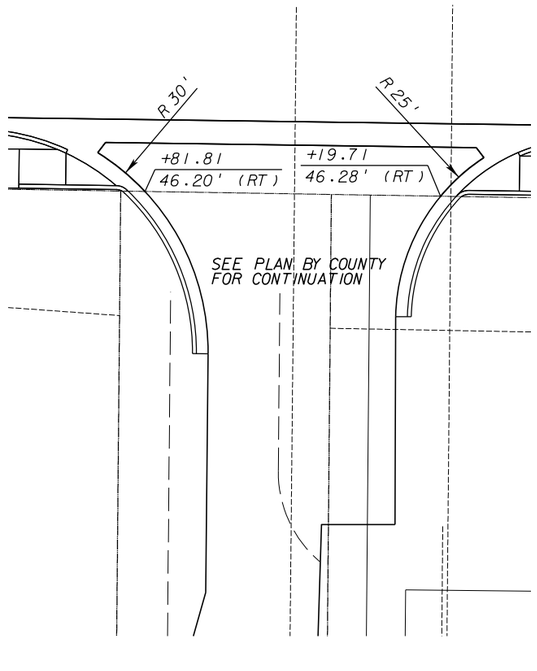
DRIVEWAY DETAILS (05)

SHEET NO. 34

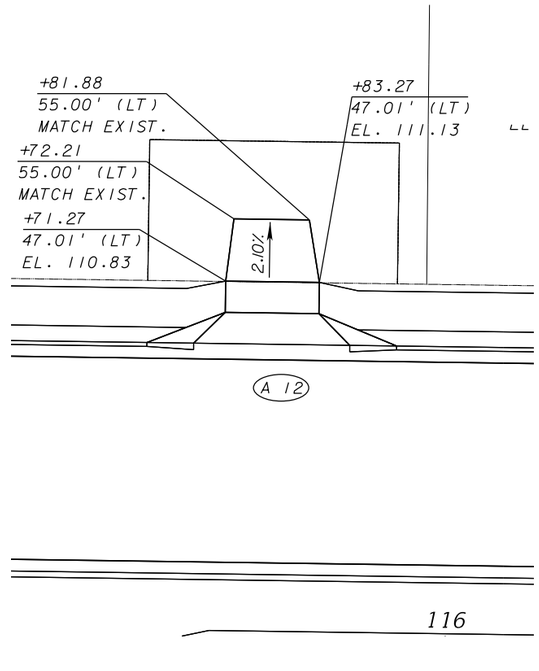
Spencer.Edwards 12/20/2022 12:35:20 PM K:\ORL_Roadway\049473002_Phase3B\049473002\roadway\Misc\spdtrd01_driveway detail sheet.dgn



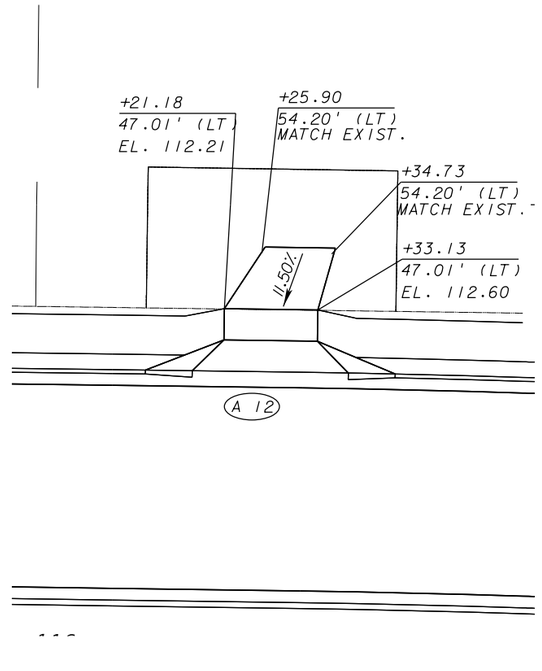
DRIVEWAY STA. 114+73.02 (LT)



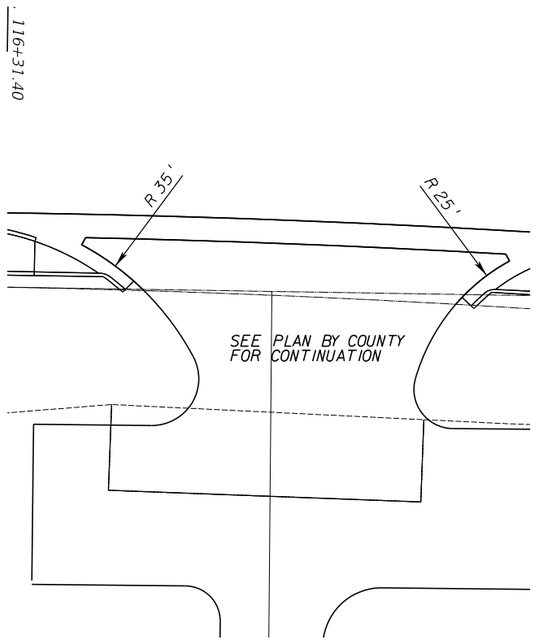
DRIVEWAY STA. 114+92.28 (RT)



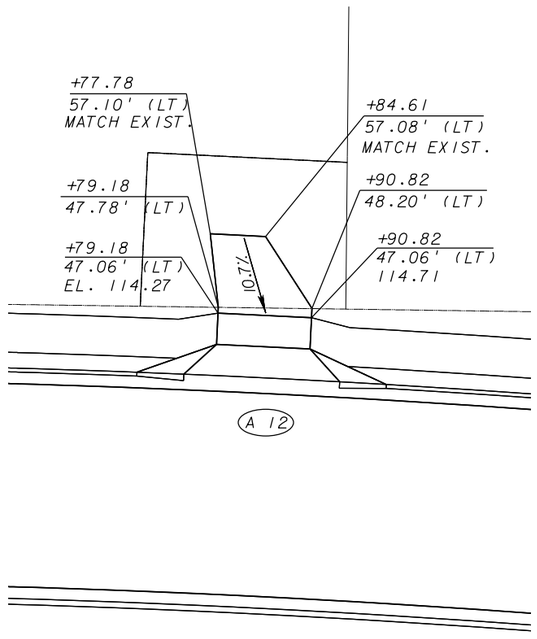
DRIVEWAY STA. 115+77.27 (LT)



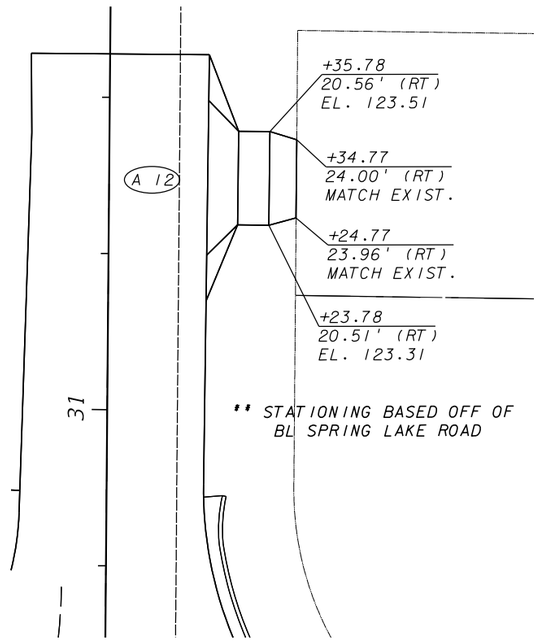
DRIVEWAY STA. 116+27.18 (LT)



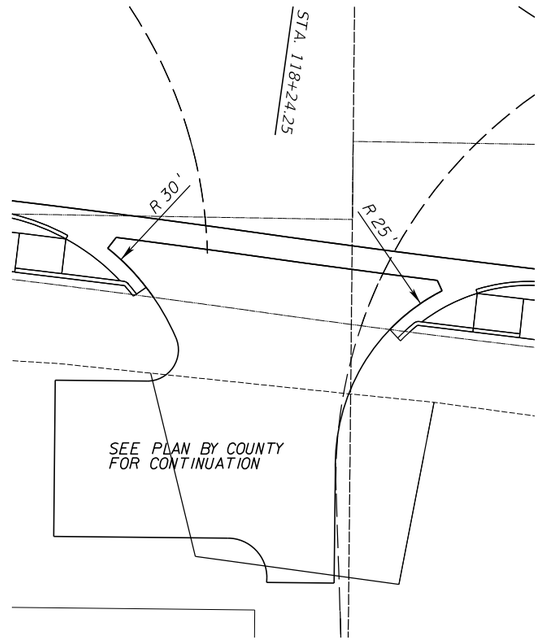
DRIVEWAY STA. 116+66.86 (RT)



DRIVEWAY STA. 116+85.00 (LT)



DRIVEWAY STA. 118+20.57 (LT)



DRIVEWAY STA. 118+29.47 (RT)

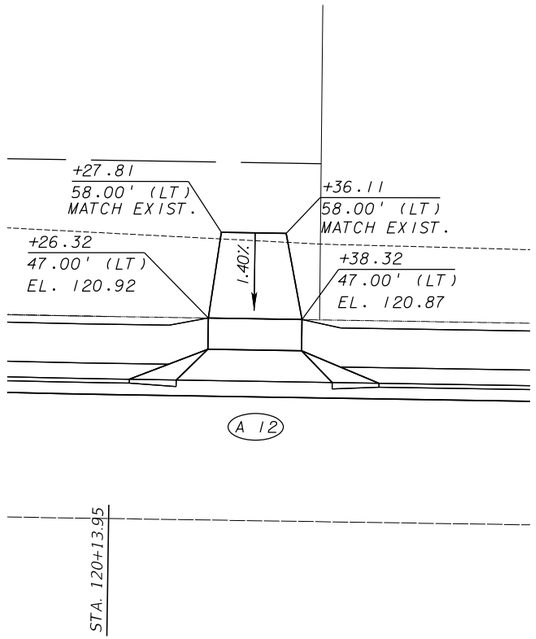
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P.E. License No. 45825
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Orlando, Florida 32801

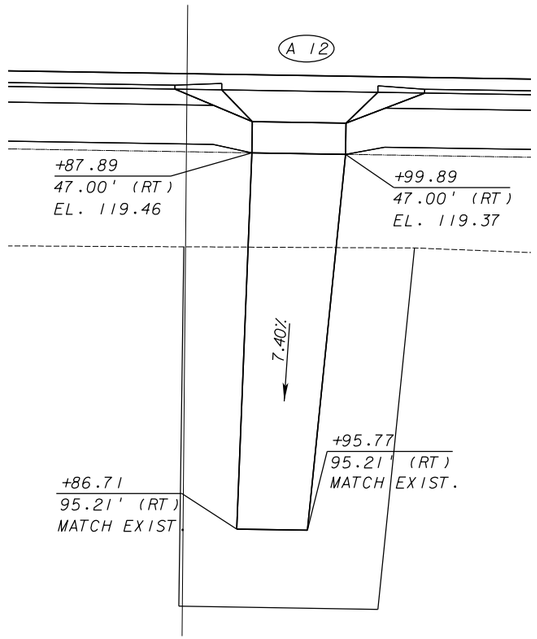
COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRIVEWAY DETAILS (06)

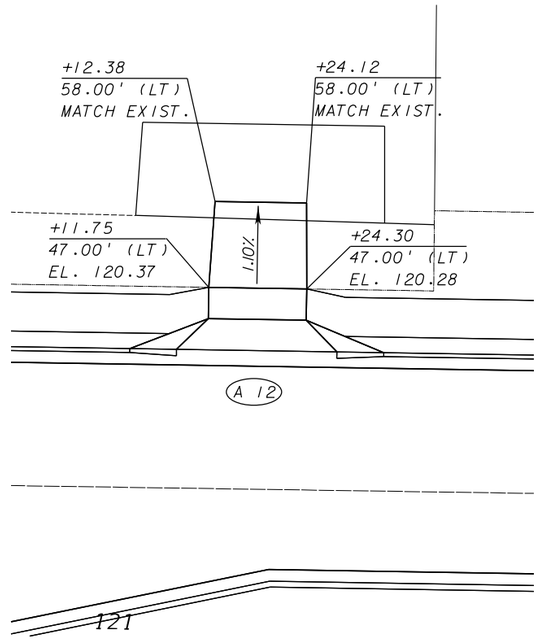
SHEET NO. 35



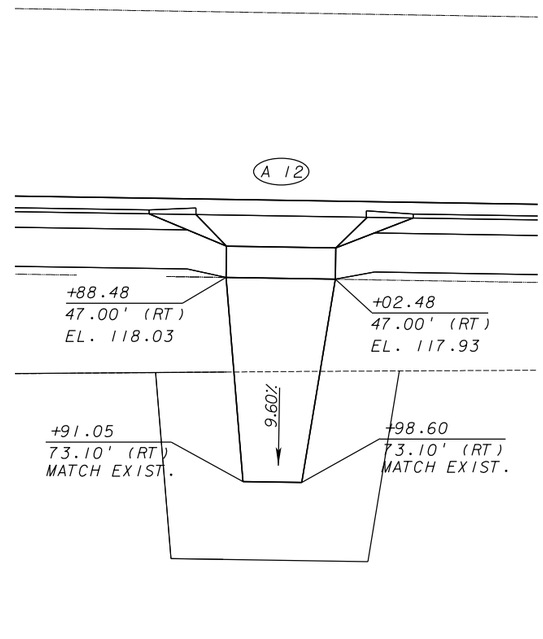
DRIVEWAY STA. 120+32.32 (LT)



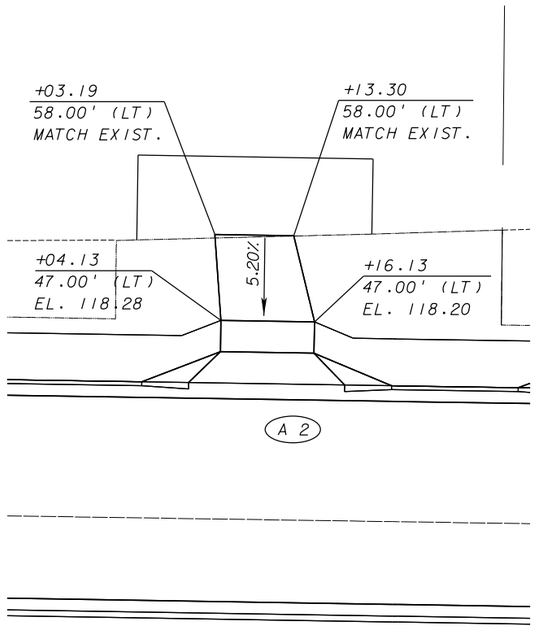
DRIVEWAY STA. 120+93.89 (RT)



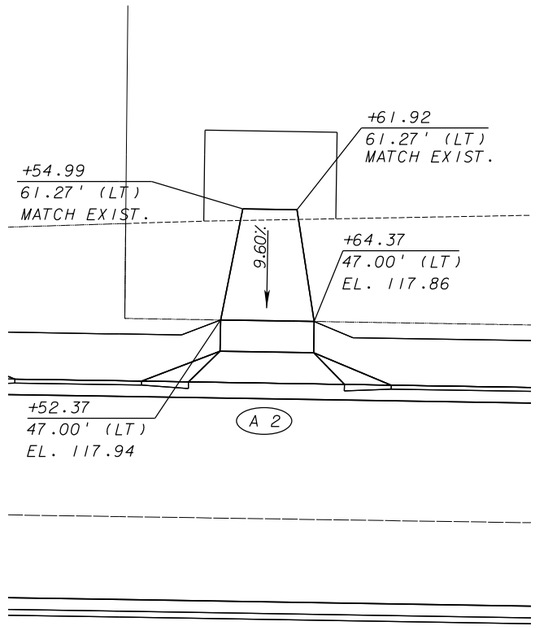
DRIVEWAY STA. 121+18.03 (LT)



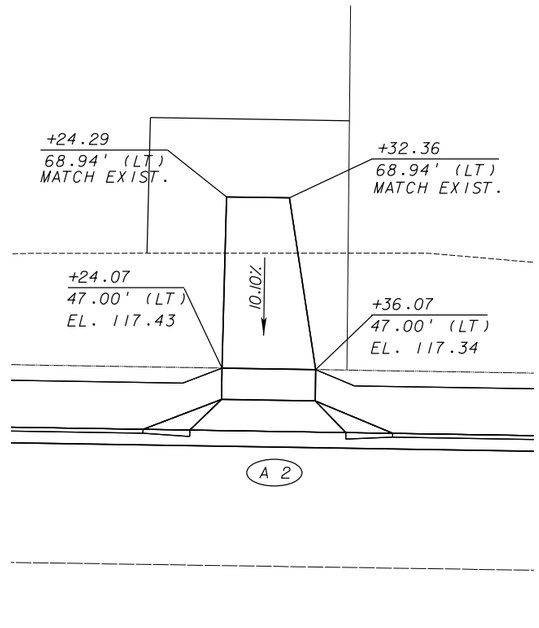
DRIVEWAY STA. 122+95.48 (RT)



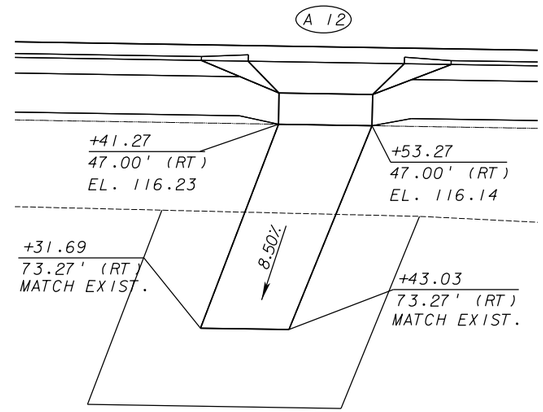
DRIVEWAY STA. 124+10.13 (LT)



DRIVEWAY STA. 124+58.37 (LT)



DRIVEWAY STA. 125+30.07 (LT)



DRIVEWAY STA. 125+47.27 (RT)

REVISIONS

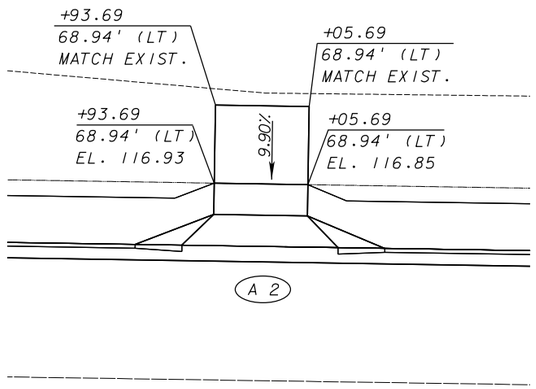
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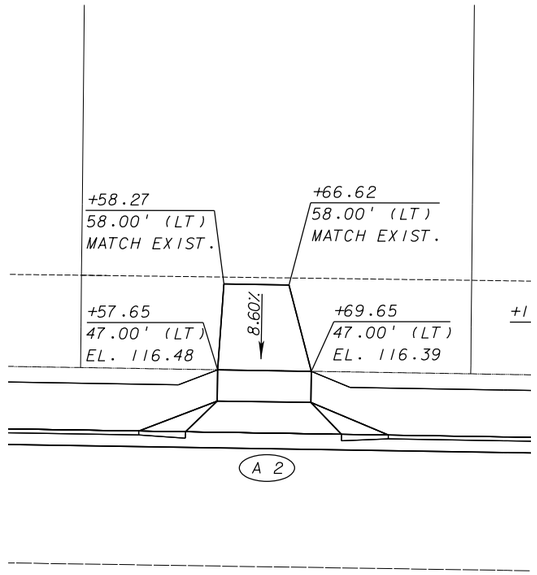
COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRIVEWAY DETAILS (07)

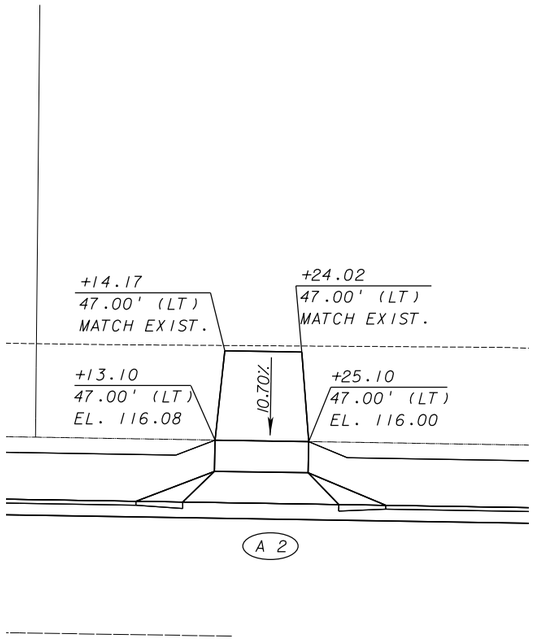
SHEET NO. 36



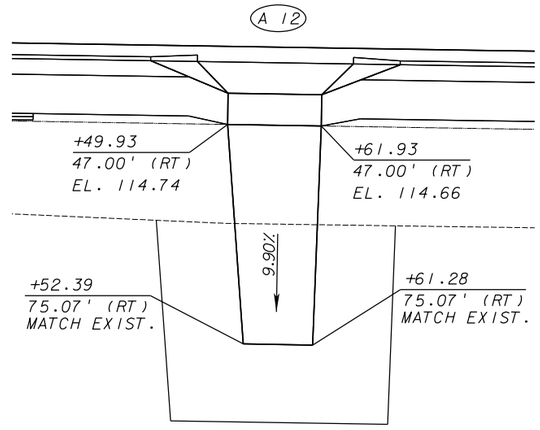
DRIVEWAY STA. 125+99.69 (LT)



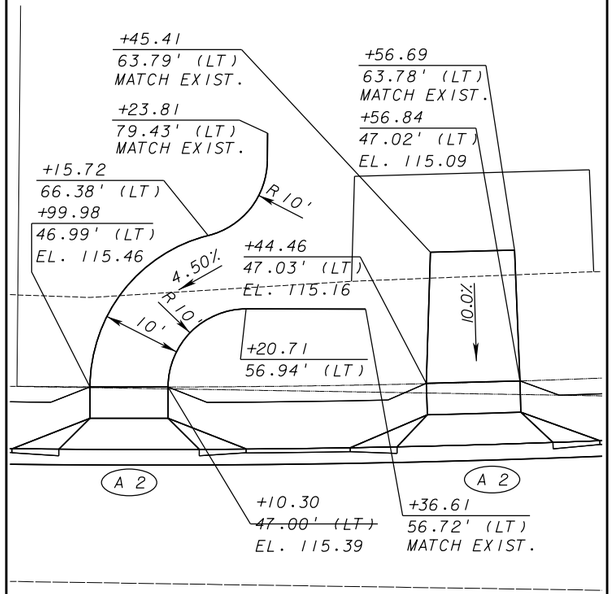
DRIVEWAY STA. 126+63.65 (LT)



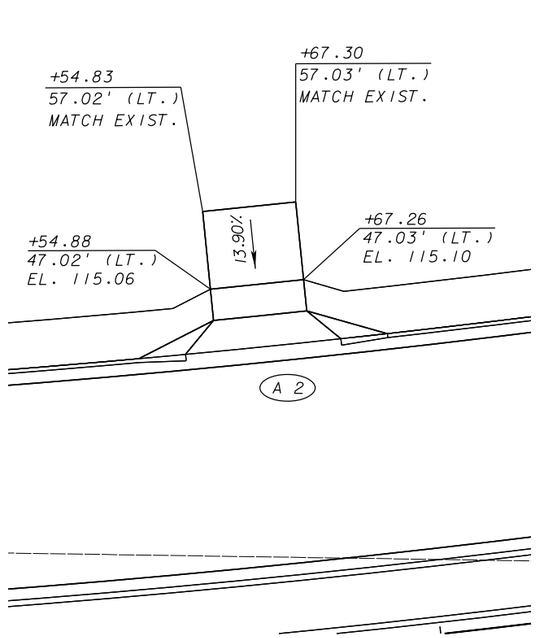
DRIVEWAY STA. 127+19.10 (LT)



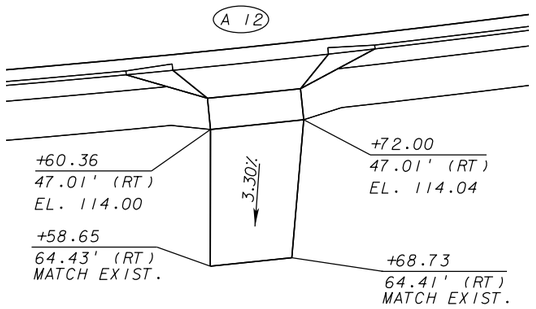
DRIVEWAY STA. 127+55.93 (RT)



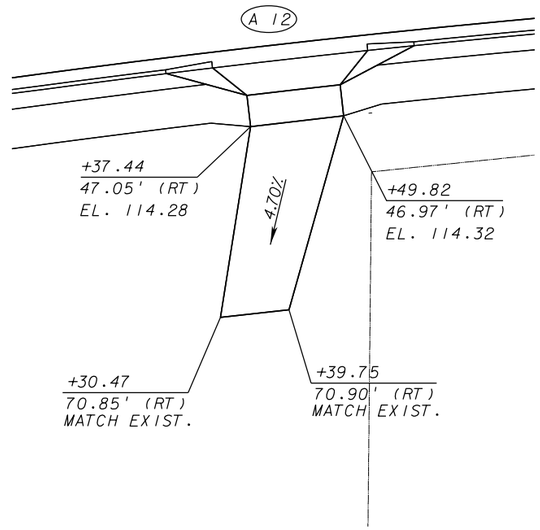
DRIVEWAY STA. 128+50.65 (LT)



DRIVEWAY STA. 129+61.07 (LT)



DRIVEWAY STA. 129+66.18 (RT)



DRIVEWAY STA. 130+43.63 (RT)

REVISIONS

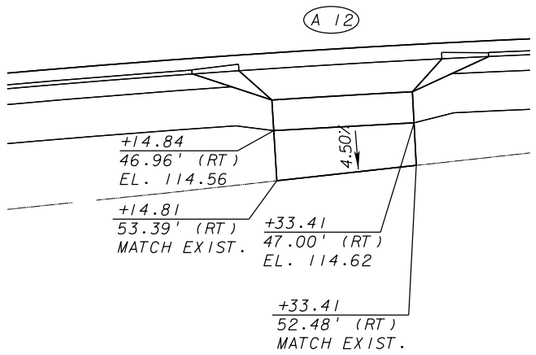
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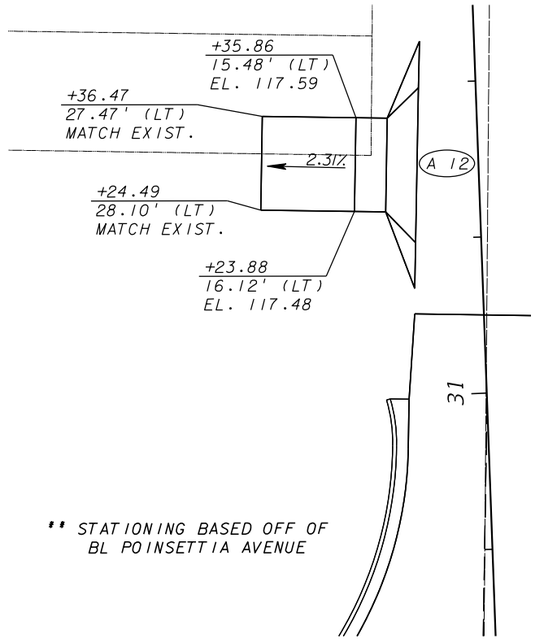
COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRIVEWAY DETAILS (08)

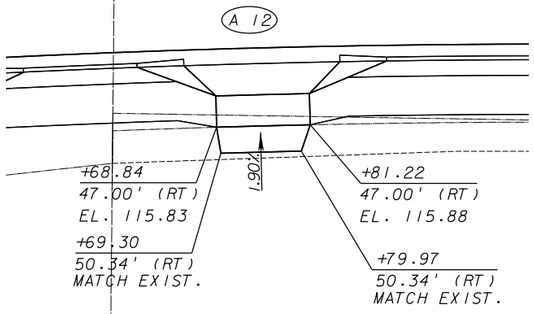
SHEET NO. 37



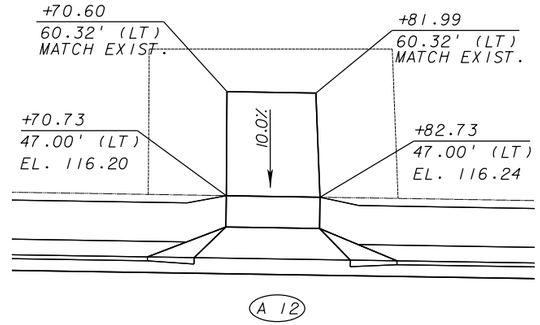
DRIVEWAY STA. 131+27.22 (RT)



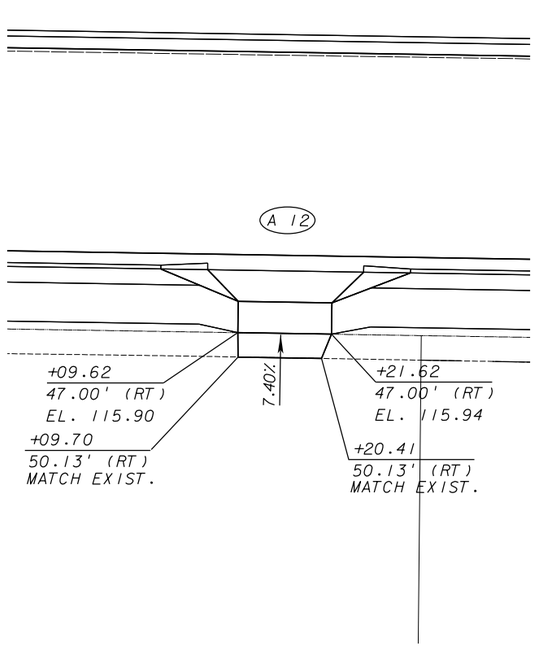
DRIVEWAY STA. 131+53.33 (LT)



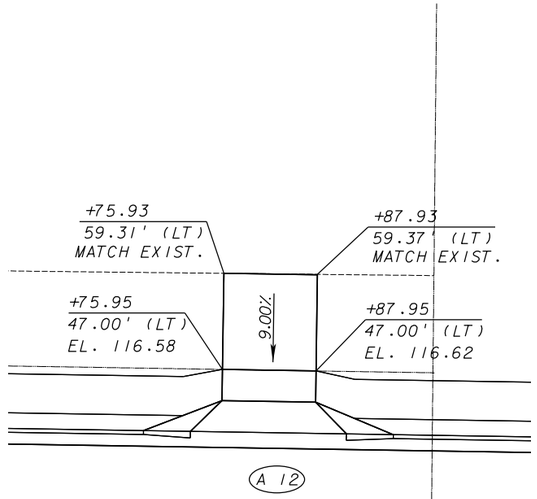
DRIVEWAY STA. 131+75.03 (RT)



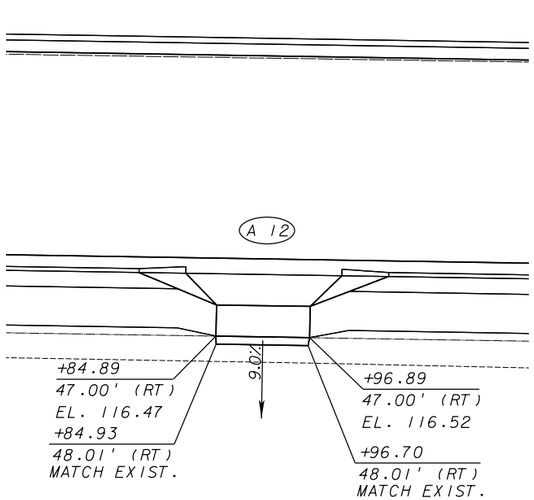
DRIVEWAY STA. 132+76.73 (LT)



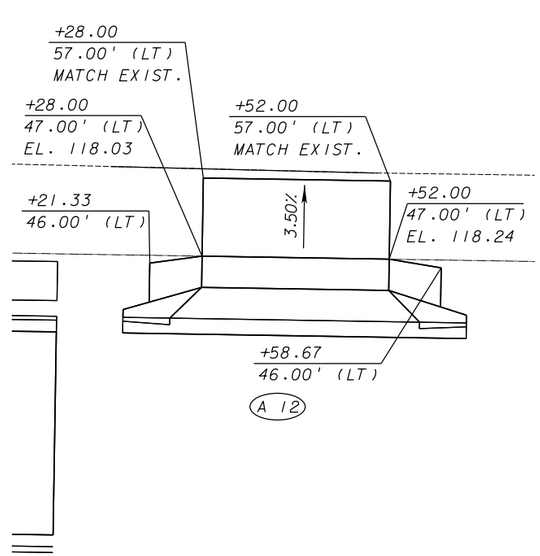
DRIVEWAY STA. 133+15.62 (RT)



DRIVEWAY STA. 133+81.96 (LT)



DRIVEWAY STA. 133+90.89 (RT)



DRIVEWAY STA. 135+40 (LT)

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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRIVEWAY DETAILS (09)

SHEET NO.
37A

S-321
STA. 75+00.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 104.88
FL 100.60 (Rt.)

S-322
STA. 74+55.00 (44.25' RT.)
EXIST. MANHOLE
TOP EL. ±103.77
FL 100.00 (Lt.)
FL ±97.10 (Bk.)
FL ±100.00 (Ah.)
CORE INVERT FOR
PIPE FROM S-321

S-323
STA. 77+50.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 108.46
FL 104.20 (Rt.)

S-324
STA. 77+50.00 (RT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 108.46
FL 104.00 (Lt., Bk.)
FL 104.20 (Ah.)

S-325
STA. 80+00.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 110.44
FL 106.00 (Rt.)

S-326
STA. 80+00.00 (RT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 110.44
FL 105.80 (Lt., Bk.)

S-401
STA. 84+00.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 110.02
FL 105.50 (Rt.)

S-402
STA. 84+00.00 (RT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 110.02
FL 105.00 (Ah.)
FL 105.30 (Lt.)

S-403
STA. 86+20.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 105.14
FL 100.20 (Rt.)

S-404
STA. 86+20.00 (RT.)
CONST. INLET TYPE J-5
ALT. B (6.0' X 5.0')
INDEX NO. 425-021
EOP EL. 105.14
FL 98.53 (Ah.)
FL 100.00 (Bk., Lt.)

S-405
STA. 88+40.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 99.23
FL 94.30 (Rt.)

S-406
STA. 88+40.00 (RT.)
CONST. INLET TYPE J-5
ALT. B (3.5' X 5.0')
INDEX NO. 425-021
EOP EL. 99.23
FL 94.10 (Lt., Bk., Ah.)

S-407
STA. 90+40.00 (44.50 LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 95.90
FL 91.00 (Rt.)

S-408
STA. 90+08.63 (RT.)
CONST. INLET TYPE J-5
ALT. B (3.5' X 5.0')
INDEX NO. 425-021
EOP EL. 96.42
FL 90.80 (Lt., Bk., Ah.)

S-409
STA. 92+80.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 92.58
FL 88.40 (Ah.)

S-410
STA. 92+80.00 (RT.)
CONST. INLET TYPE J-5
ALT. B (4.0' X 5.0')
INDEX NO. 425-021
EOP EL. 92.58
FL 85.60 (Bk., Ah.)
FL 87.25 (Rt.)

S-411
STA. 93+33.00 (LT.)
CONST. INLET TYPE P-6
INDEX NO. 425-021
EOP EL. 92.44
FL 87.80 (Rt.)
FL 88.30 (Bk., Ah.)

S-412
STA. 93+12.40 (RT.)
CONST. INLET TYPE J-V
ALT. B (5' X 3.5')
INDEX NO. 425-041
EOP EL. 92.46
FL 87.60 (Lt.)
FL 85.70 (Bk., Ah.)

S-413
STA. 93+76.56 (LT.)
CONST. INLET TYPE P-9
INDEX NO. 425-024
EOP EL. 92.53
FL 88.40 (Bk.)

S-414
STA. 93+95.20 (RT.)
CONST. INLET TYPE J-5
ALT. B (3.5' X 4.0')
INDEX NO. 425-021
EOP EL. 92.63
FL 86.10 (Bk., Ah.)

S-415
STA. 96+00.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 96.03
FL 92.60 (Rt.)

S-416
STA. 96+00.00 (RT.)
CONST. INLET TYPE J-5
ALT. B (3.5' X 4.0')
INDEX NO. 425-021
EOP EL. 96.03
FL 88.40 (Bk.)
FL 91.80 (Lt.)
FL 90.70 (Ah.)

S-417
STA. 98+30.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 102.83
FL 99.70 (Rt.)

S-418
STA. 98+30.00 (RT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 102.83
FL 93.60 (Bk.)
FL 97.50 (Ah.)
FL 98.60 (Lt.)

S-419
STA. 101+07.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 103.91
FL 100.10 (Ah.)

S-420
STA. 100+94.00 (RT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 103.97
FL 98.65 (Bk.)
FL 98.75 (Ah.)

S-421
STA. 101+25.90 (RT.)
CONST. INLET TYPE P-6
INDEX NO. 425-021
EOP EL. 103.87
FL 100.00 (Bk.)
FL 100.00 (Ah.)
FL 100.00 (Rt.)

S-422
STA. 101+23.11 (RT.)
CONST. INLET TYPE P-6
INDEX NO. 425-021
EOP EL. 103.88
FL 99.65 (Lt.)
FL 99.15 (Ah., Bk.)

S-423
STA. 101+95.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 104.18
FL 100.10 (Bk.)

S-424
STA. 102+24.30 (RT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 104.52
FL 99.80 (Bk., Ah.)

S-425
STA. 104+00.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 109.00
FL 104.80 (Rt.)

S-426
STA. 104+00.00 (RT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 109.00
FL 104.80 (Ah.)
FL 104.60 (Lt.)
FL 103.00 (Bk.)

S-427
STA. 106+20.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 113.85
FL 109.60 (Rt.)

S-428
STA. 106+20.00 (RT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 113.85
FL 109.40 (Bk., Lt)
FL 109.60 (Ah.)

S-429
STA. 107+80.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 114.68
FL 110.20 (Rt.)

S-430
STA. 107+80.00 (RT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 114.68
FL 110.00 (Lt., Bk.)

S-431
STA. 110+57.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 113.49
FL 108.80 (Rt.)

S-432
STA. 110+80.00 (RT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 113.09
FL 108.60 (Lt., Ah.)

S-433
STA. 113+82.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 108.45
FL 104.10 (Ah.)

S-434
STA. 113+82.00 (RT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 108.45
FL 104.00 (Bk., Ah.)

S-435
STA. 114+33.34 (LT.)
CONST. INLET TYPE P-6
INDEX NO. 425-021
EOP EL. 108.41
FL 104.00 (Rt., Bk., Ah.)

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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRAINAGE STRUCTURES (01)

SHEET NO. 38

S-436

STA. 114+12.62 (RT.)
CONST. INLET TYPE P-6
INDEX NO. 425-021
EOP EL. 108.38
FL 103.80 (Lt.)
FL 103.90 (Bk.)
FL 103.60 (Ah.)

S-437

STA. 114+95.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 108.90
FL 104.10 (Bk.)

S-438

STA. 114+42.00 (RT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 108.45
FL 103.50 (Bk.)
FL 101.10 (Ah.)

S-439

STA. 116+00.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 111.04
FL 106.10 (Rt.)

S-440

STA. 116+00.00 (RT.)
CONST. INLET TOP TYPE 5
INDEX NO. 425-021
EOP EL. 111.04
FL ±105.70 (Ah.)(EXIST.)
FL ±105.10 (Bk.)(EXIST.)
FL ±105.90 (Lt.)(EXIST.)

S-441

STA. 117+58.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 116.56
FL 111.60 (Rt.)

S-442

STA. 117+58.00 (LT.)
CONST. INLET TOP TYPE 5
INDEX NO. 425-021
EOP EL. 116.56
FL ±111.40 (Lt.)(EXIST.)
FL ±107.10 (Bk., Ah.)(EXIST.)

S-443

STA. 92+80.00 (73.50' RT.)
CONST. MANHOLE TYPE P-7
INDEX NO. 425-010, 425-001
INLET EL. 97.57
FL 87.40 (Lt.)

RT. 24" HOLE FOR
FUTURE CONNECTION TO
BE GROUTED CLOSED

S-445

STA. 96+00.00 (58.83' RT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 105.00
FL 90.20 (Lt.)

S-446

STA. 96+00.00 (50.00' RT.)
CONST. MANHOLE TYPE P-8
INDEX NO. 425-010, 425-001
TOP EL. 97.67
FL 90.10 (Bk., Rt., Ah.)

S-447

STA. 97+00.00 (55.63' RT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 108.00
FL 90.40 (Lt.)

S-448

STA. 97+00.00 (48.00' RT.)
CONST. MANHOLE TYPE P-8
INDEX NO. 425-010, 425-001
TOP EL. 101.05
FL 90.30 (Bk., Rt.)

S-449

STA. 98+50.00 (55.00' RT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 108.00
FL 90.60 (Lt.)

S-450

STA. 98+50.00 (48.00' RT.)
CONST. MANHOLE TYPE P-8
INDEX NO. 425-010, 425-001
TOP EL. 105.08
FL 90.50 (Bk., Rt.)

S-451

STA. 108+40.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 113.90
FL 108.00 (Bk., Ah.)

S-452

STA. 109+69.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 113.50
FL 107.00 (Bk., Ah.)

S-453

STA. 110+62.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 111.80
FL 106.00 (Bk., Ah.)

S-454

STA. 111+92.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 110.40
FL 105.00 (Bk., Ah.)

S-455

STA. 113+01.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 107.90
FL 103.00 (Bk., Ah.)

S-456

STA. 113+89.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 107.10
FL 102.80 (Bk., Ah.)

S-457

STA. 114+57.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 106.90
FL 102.60 (Bk., Ah.)

S-499A

STA. 91+56.35 (49.90' RT.)
MODIFY EXIST. DRAINAGE STRUCTURE
INDEX NO. 425-001
TOP EL. 94.10
FL 85.50 (Ah., Rt.)
FL 89.00 (Bk.)

S-501

STA. 122+20.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 119.06
FL 114.20 (Rt.)

S-502

STA. 122+20.00 (RT.)
CONST. INLET TOP TYPE 5
INDEX NO. 425-021
EOP EL. 119.06
FL ±114.00 (Lt.)(EXIST.)
FL ±107.50 (Bk., Ah.)(EXIST.)

S-503

STA. 124+90.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 117.13
FL 112.30 (Rt.)

S-504

STA. 124+90.00 (RT.)
CONST. INLET TOP TYPE 5
ALT. B (3.5' X 4.0')
INDEX NO. 425-021
EOP EL. 117.13
FL ±107.80 (Bk., Ah.)(EXIST.)
FL ±112.10 (Lt.)(EXIST.)

S-505

STA. 127+46.10 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 115.31
FL 110.70 (Rt.)

S-506

STA. 127+46.10 (RT.)
CONST. INLET TOP TYPE 5
ALT. B (3.5' X 4.0')
INDEX NO. 425-021
EOP EL. 115.31
FL ±108.13 (Bk., Ah.)(EXIST.)
FL ±110.50 (Lt.)(EXIST.)

S-507

STA. 128+80.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 114.47
FL 110.10 (Ah.)

S-508

STA. 128+80.00 (RT.)
CONST. INLET TOP TYPE 5
INDEX NO. 425-021
EOP EL. 114.47
FL ±108.30 (Bk, Ah.)(EXIST.)

S-509

STA. 129+05.00 (LT.)
CONST. INLET TYPE P-6
INDEX NO. 425-021
EOP EL. 114.43
FL 110.00 (Bk., Ah.)
FL 109.60 (Rt.)

S-510

STA. 129+09.61 (RT.)
CONST. INLET TOP TYPE 6
ALT. B (4.0' X 4.0')
INDEX NO. 425-021
EOP EL. 114.43
FL ±108.40 (Bk., Ah.)(EXIST.)
FL ±109.40 (Lt.)(EXIST.)

S-511

STA. 129+90.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 114.65
FL 110.20 (Bk.)

S-512

STA. 129+90.00 (RT.)
CONST. INLET TOP TYPE 5
INDEX NO. 425-021
EOP EL. 114.65
FL ±109.30 (Bk., Ah.)(EXIST.)

S-513

STA. 132+25.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 115.49
FL 111.20 (Rt.)

S-514

STA. 132+25.00 (RT.)
CONST. INLET TOP TYPE 5
INDEX NO. 425-021
EOP EL. 115.49
FL ±110.20 (Bk.)(EXIST.)
FL ±110.70 (Ah.)(EXIST.)
FL ±111.00 (Lt.)(EXIST.)

S-515

STA. 134+35.00 (LT.)
CONST. INLET TYPE P-5
INDEX NO. 425-021
EOP EL. 116.25
FL 111.90 (Rt.)

S-516

STA. 134+35.00 (RT.)
CONST. INLET TOP TYPE 5
INDEX NO. 425-021
EOP EL. 116.25
FL ±111.40 (Bk., Ah.)(EXIST.)
FL ±111.70 (Lt.)(EXIST.)

S-530

STA. 120+20.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 119.92
FL 114.64 (Ah.)

S-531

STA. 121+05.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 119.39
FL 114.24 (Bk., Ah.)

S-532

STA. 122+35.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 118.60
FL 113.61 (Bk., Ah.)

S-533

STA. 123+95.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 117.90
FL 112.83 (Bk., Ah.)

S-534

STA. 125+15.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 116.80
FL 112.25 (Bk., Ah.)

S-535

STA. 125+85.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 115.97
FL 111.93 (Bk., Ah.)

S-536

STA. 126+50.00 (50.00' LT.)
CONST. DBI TYPE C
INDEX NO. 425-052
INLET EL. 115.80
FL 111.62 (Bk., Ah.)

CD-5

STA. 86+80.00 (55.33' RT.)
CONST. STRAIGHT ENDWALL
INDEX NO. 430-030
FL 99.73 (Lt.)

STA. 86+80.00 (66.50' LT.)
CONST. MES (1:2)
INDEX NO. 430-021
FL ±99.23 (Rt.)

CD-6

STA. 93+88.46 (52.50' RT.)
CONST. MH TYPE J-8
INDEX NO. 425-010, 425-001
TOP EL. 93.58
FL 88.90 (Lt.)

STA. 93+90.00 (66.00' LT.)
EXIST. MANHOLE
FL ±85.00 (Rt.)

CD-7

STA. 114+92.28 (53.56' LT.)
EXIST. DBI TYPE C
INLET EL. 106.70
FL 102.50 (Bk.)
FL 102.50 (Rt.)(EXIST.)

CONNECT PROPOSED 18"
PIPE TO EXISTING STRUCTURE

CD-8

STA. 127+00.00 (54.50' LT.)
EXIST. DBI TYPE D
FL 111.40 (Bk.)

CONNECT PROPOSED 18"
PIPE TO EXISTING STRUCTURE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

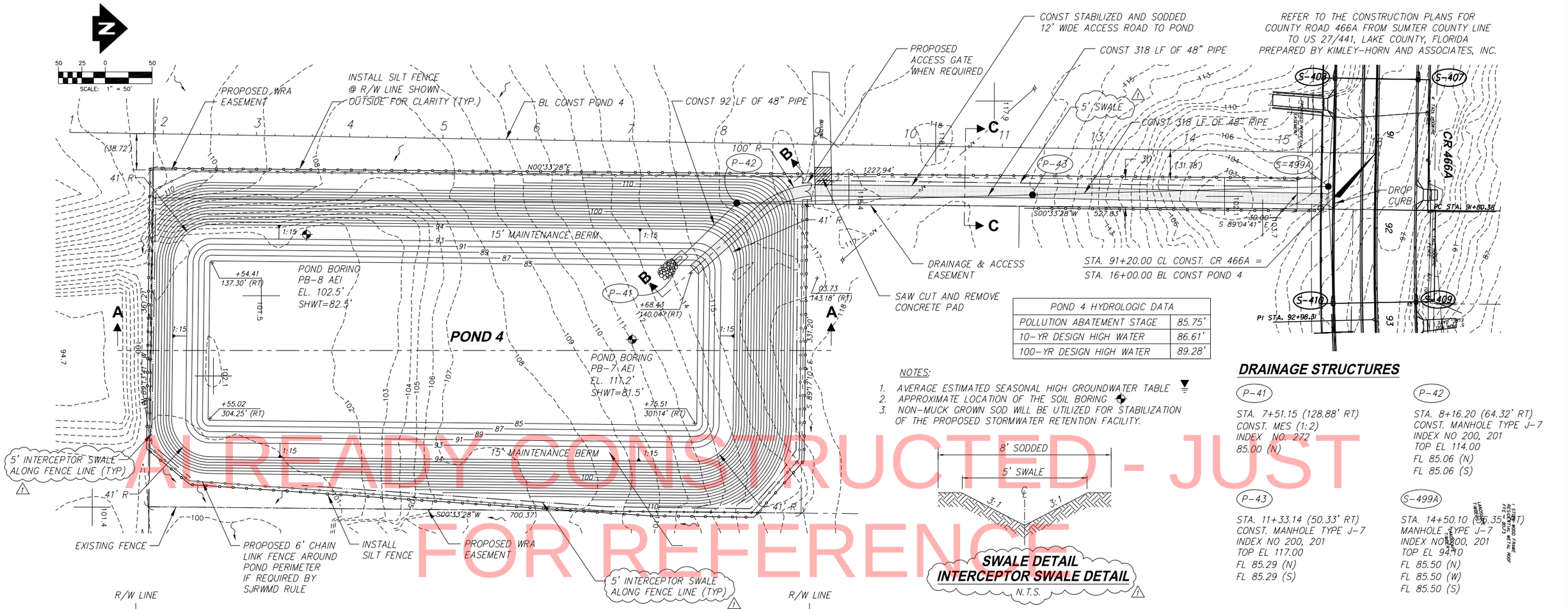
Kimley»Horn
Certificate Of Authorization No. 696
L. Frederick Burkett, P.E.
P.E. License No. 45825
189 South Orange Avenue, Suite 1000
Orlando, Florida 32801

COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

DRAINAGE STRUCTURES (02)

SHEET NO. 39

Spencer.Edwards 12/20/2022 12:36:21 PM K:\ORL_Roadway\049473002_Phase3B\049473002\drainage\Misc\sumdr01.dgn



POND 4 HYDROLOGIC DATA	
POLLUTION ABATEMENT STAGE	85.75'
10-YR DESIGN HIGH WATER	86.61'
100-YR DESIGN HIGH WATER	89.28'

NOTES:

1. AVERAGE ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
2. APPROXIMATE LOCATION OF THE SOIL BORING
3. NON-MUCK GROWN SOD WILL BE UTILIZED FOR STABILIZATION OF THE PROPOSED STORMWATER RETENTION FACILITY.

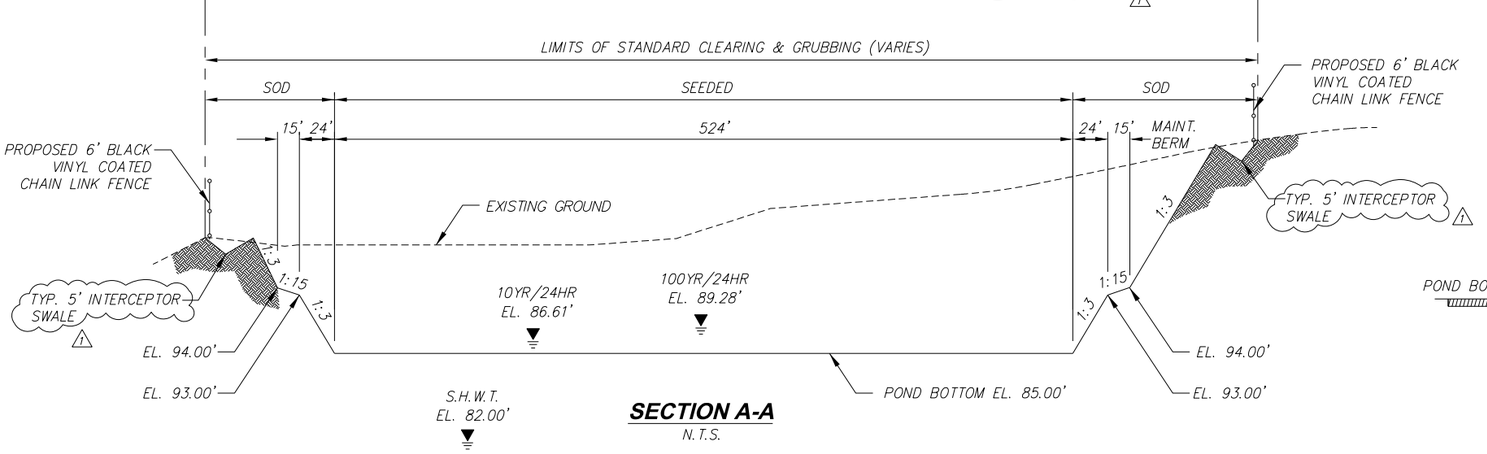
DRAINAGE STRUCTURES

P-41
STA. 7+51.15 (128.88' RT)
CONST. MES (1:2)
INDEX NO. 272
85.00 (N)

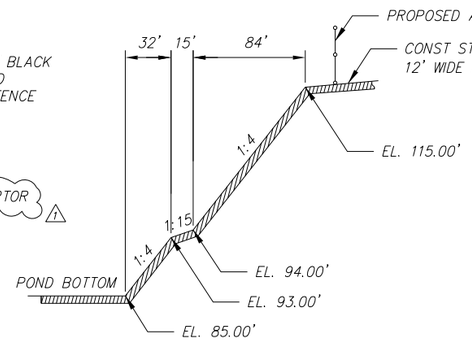
P-42
STA. 8+16.20 (64.32' RT)
CONST. MANHOLE TYPE J-7
INDEX NO 200, 201
TOP EL 114.00
FL 85.06 (N)
FL 85.06 (S)

P-43
STA. 11+33.14 (50.33' RT)
CONST. MANHOLE TYPE J-7
INDEX NO 200, 201
TOP EL 117.00
FL 85.29 (N)
FL 85.29 (S)

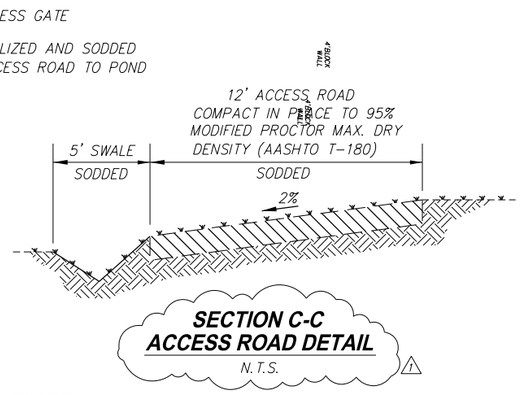
S-499A
STA. 14+50.10 (50.35' RT)
MANHOLE TYPE J-7
INDEX NO 200, 201
TOP EL 94.10
FL 85.50 (N)
FL 85.50 (W)
FL 85.50 (S)



SECTION A-A
N.T.S.

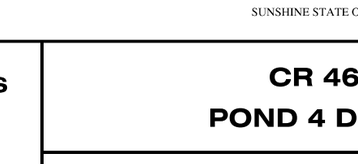


SECTION B-B
N.T.S.



SECTION C-C
ACCESS ROAD DETAIL
N.T.S.

SWALE DETAIL
INTERCEPTOR SWALE DETAIL
N.T.S.



ALREADY CONSTRUCTED - JUST FOR REFERENCE

Know what's below. Call before you dig. 811
SUNSHINE STATE ONE CALL OF FLORIDA

REVISION:	DATE
1 PER ST. JOHNS RIVER WATER MAN. DISTRICT COMMENTS DATED 12-4-2012.	

SECTION	TOWNSHIP	RANGE
5	19 S	24 E

DESIGNED:	PMM	DATE:	DECEMBER 2012
DRAWN:	KGN	DATE:	DECEMBER 2012
APPROVED:	PMM	DATE:	DECEMBER 2012

LAKE COUNTY FLORIDA

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
437 ARDICE AVE.
EUSTIS, FLORIDA 32726

CR 466A
POND 4 DETAILS

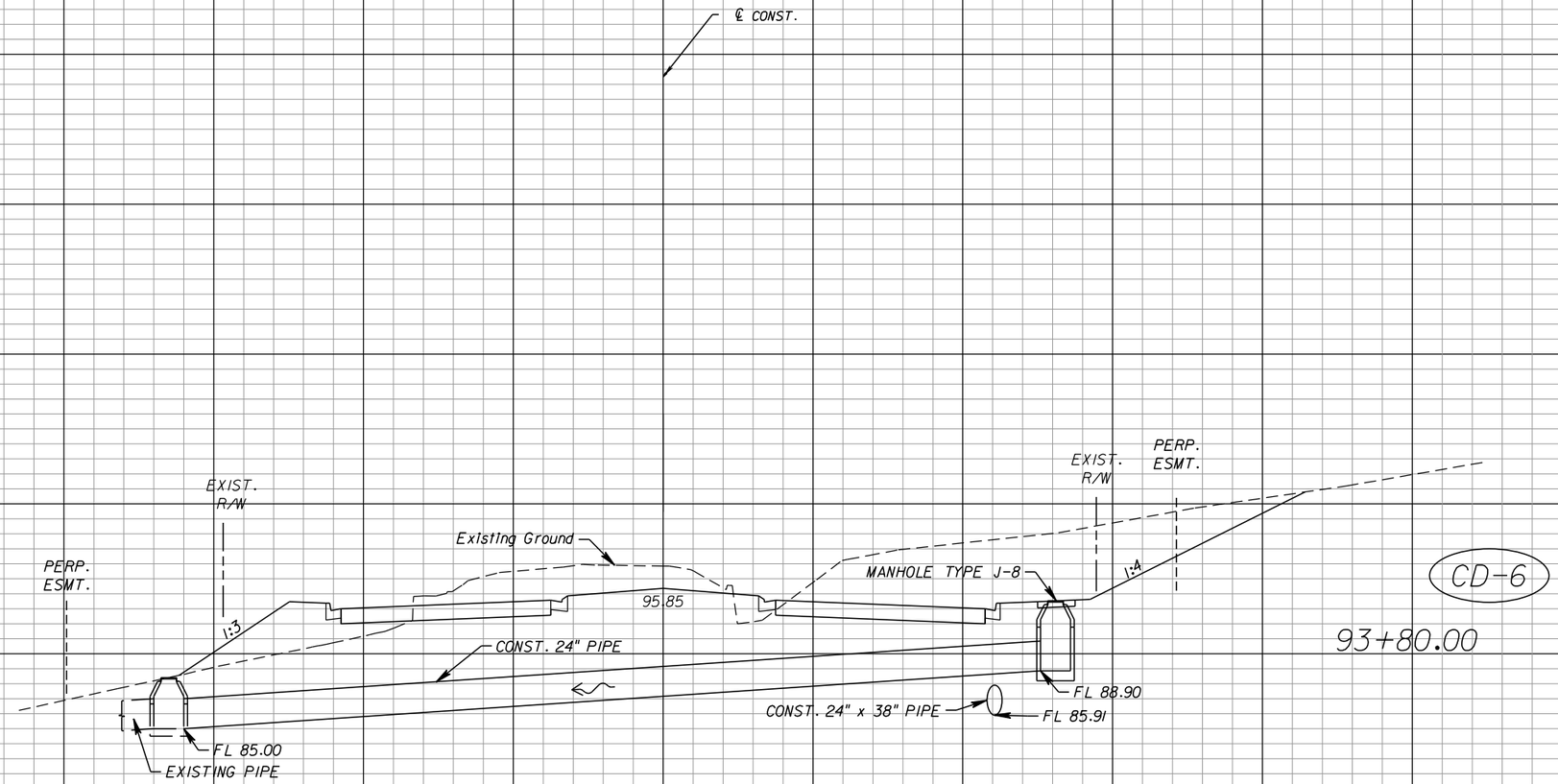
PATERNO M. MAGNO, JR. No. 53074 STATE OF FLORIDA PROFESSIONAL ENGINEER

PATERNO. M. MAGNO, JR., P.E.
P.E. NO. 53074
ENGINEER OF RECORD:

CAD FILE 11056

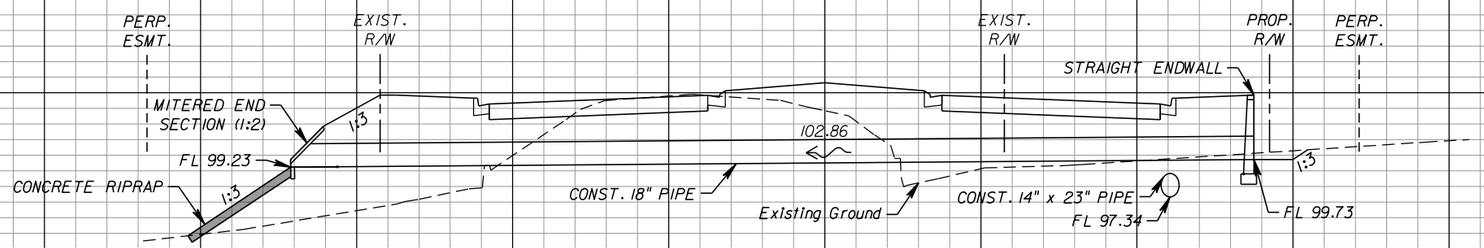
SHEET # 72 A

C:_projects\11056_CR466A_PONDS_KN\dwg\11056CA.dwg 2/19/2014



CD-6

93+80.00



CD-5

86+80.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

SCALE:
1" = 10' HORIZ.
1" = 5' VERT.

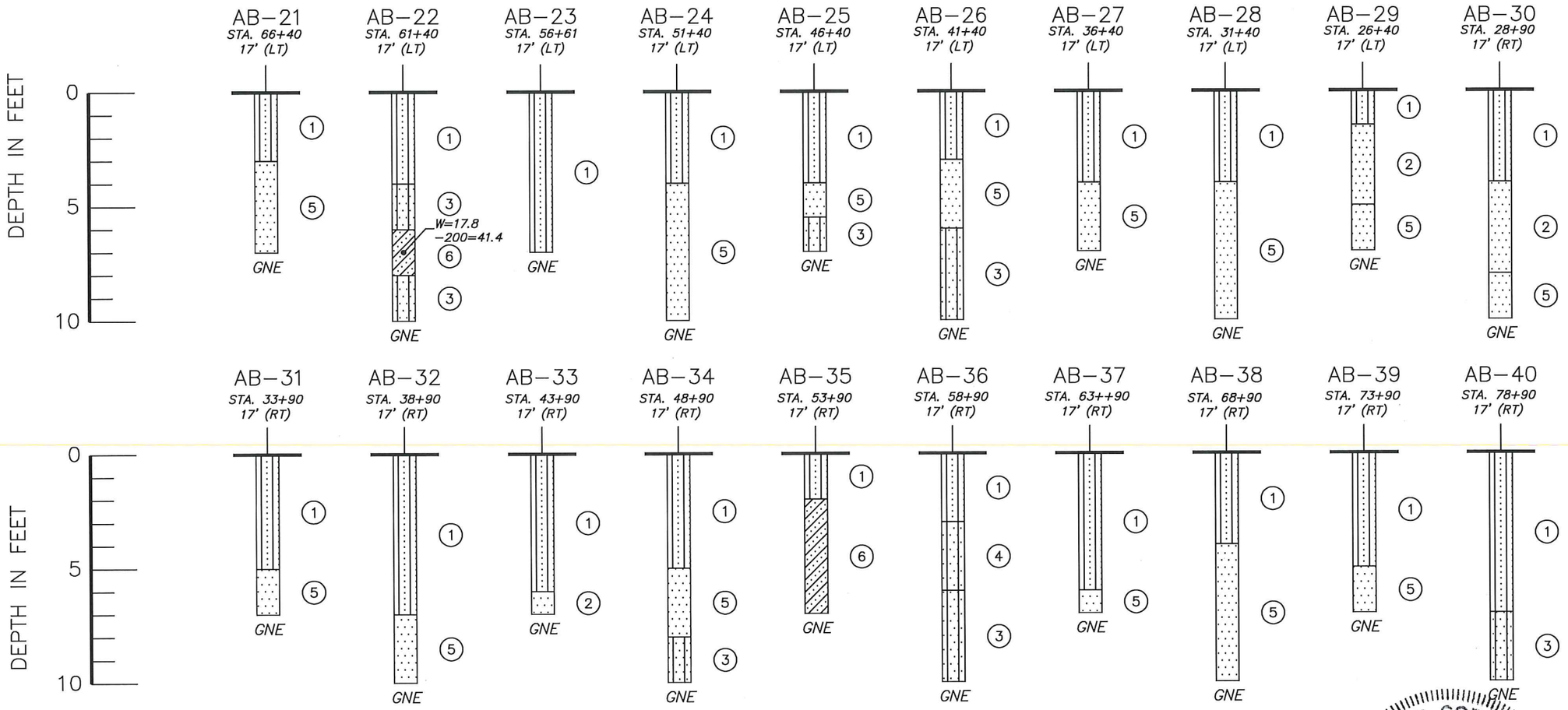
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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Orlando, Florida 32801

COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

CROSS DRAINS

SHEET NO.
41



LEGEND:

(1) BROWN TO DARK BROWN SLIGHTLY SILTY TO SILTY FINE SAND (SP–SM)(SM) [A–3, A–2]

(2) BROWNISH–YELLOW TO YELLOWISH–BROWN FINE SAND (SP) [A–3]

(3) LIGHT BROWN TO REDDISH–BROWN FINE SAND TO SLIGHTLY SILTY FINE SAND (SP)(SP–SM) [A–3]

(4) DARK GRAY TO GRAY FINE SAND TO SLIGHTLY SILTY FINE SAND (SP)(SP–SM) [A–3]

(5) VERY PALE BROWN TO PALE BROWN FINE SAND (SP) [A–3]

(6) REDDISH–BROWN TO RED CLAYEY SAND (SC) [A–2]

(SP) UNIFIED SOIL CLASSIFICATION SYSTEM GROUP SYMBOL

[A–3] AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL

GNE GROUNDWATER NOT ENCOUNTERED

W MOISTURE CONTENT, IN PERCENT

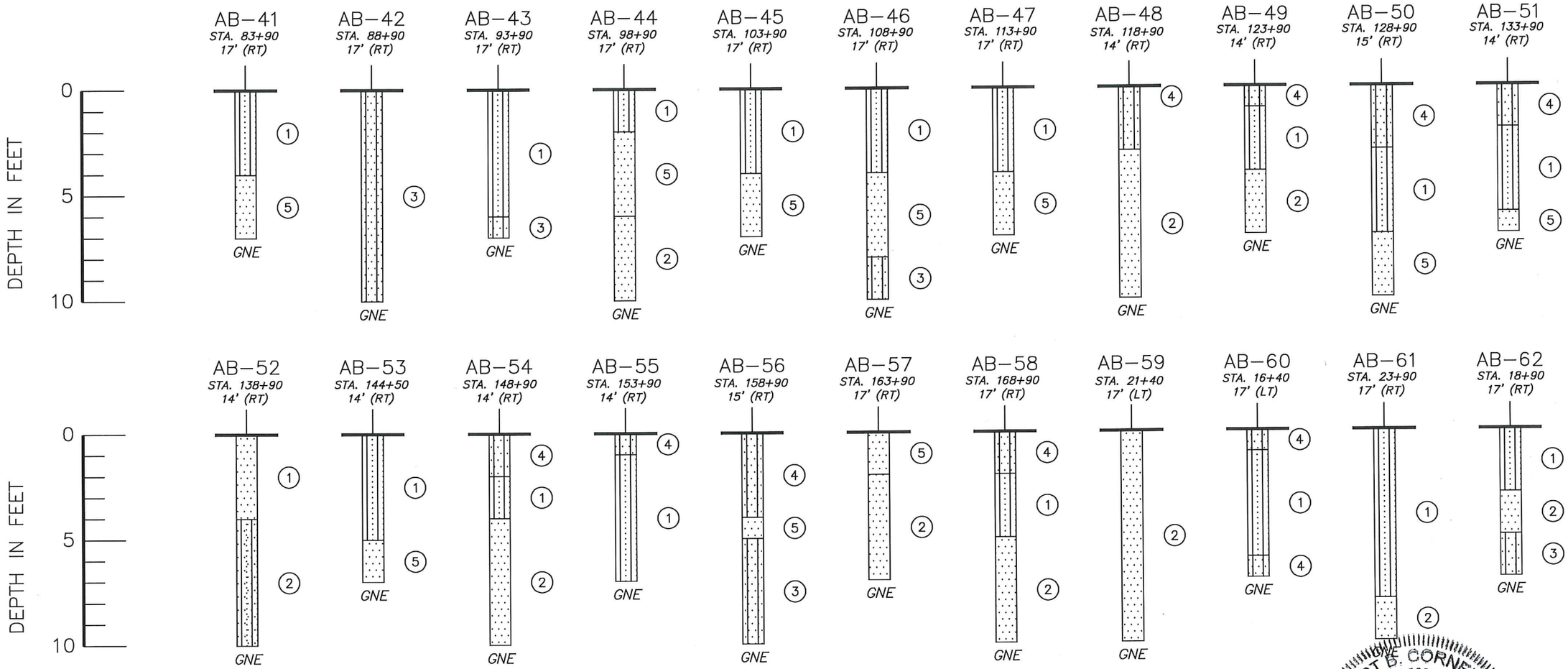
–200 PERCENT OF FINES PASSING THE U.S. No. 200 SIEVE

ROBERT B. CORNELIUS LICENSE NO. 69864 STATE OF FLORIDA PROFESSIONAL ENGINEER

ROBERT B. CORNELIUS, P.E.
F.L.A. REGISTRATION NO. 69864
CERTIFICATE OF AUTHORIZATION #7634
DATE: 8/27/09

Andreyev Engineering, Inc.

APPROXIMATE SCALE: 1"=5'	DATE: 12/06/06	ENGINEER: SB	GEOTECHNICAL INVESTIGATION COUNTY ROAD 466A LAKE COUNTY, FL.
	PN: CGGT–05–364	DRAWN BY: DLS	ROADWAY SOIL SURVEY SHEET 42



LEGEND:

- (1) BROWN TO DARK BROWN SLIGHTLY SILTY TO SILTY FINE SAND (SP–SM)(SM) [A–3, A–2]
- (2) BROWNISH–YELLOW TO YELLOWISH–BROWN FINE SAND (SP) [A–3]
- (3) LIGHT BROWN TO REDDISH–BROWN FINE SAND TO SLIGHTLY SILTY FINE SAND (SP)(SP–SM) [A–3]
- (4) DARK GRAY TO GRAY FINE SAND TO SLIGHTLY SILTY FINE SAND (SP)(SP–SM) [A–3]
- (5) VERY PALE BROWN TO PALE BROWN FINE SAND (SP) [A–3]
- (6) REDDISH–BROWN TO RED CLAYEY SAND (SC) [A–2]
- *(SP)* UNIFIED SOIL CLASSIFICATION SYSTEM GROUP SYMBOL
- *[A–3]* AASHTO SOIL CLASSIFICATION SYSTEM GROUP SYMBOL
- *GNE* GROUNDWATER NOT ENCOUNTERED
- *W* MOISTURE CONTENT, IN PERCENT
- *–200* PERCENT OF FINES PASSING THE U.S. No. 200 SIEVE

ROBERT B. CORNELIUS P.E. LICENSE NO. 69864 STATE OF FLORIDA PROFESSIONAL ENGINEER

ROBERT B. CORNELIUS P.E.
FLA. REGISTRATION NO. 69864
AEI CERTIFICATE OF AUTHORIZATION #7634

DATE: 8/11/07

Andreyev Engineering, Inc.

GEOTECHNICAL INVESTIGATION

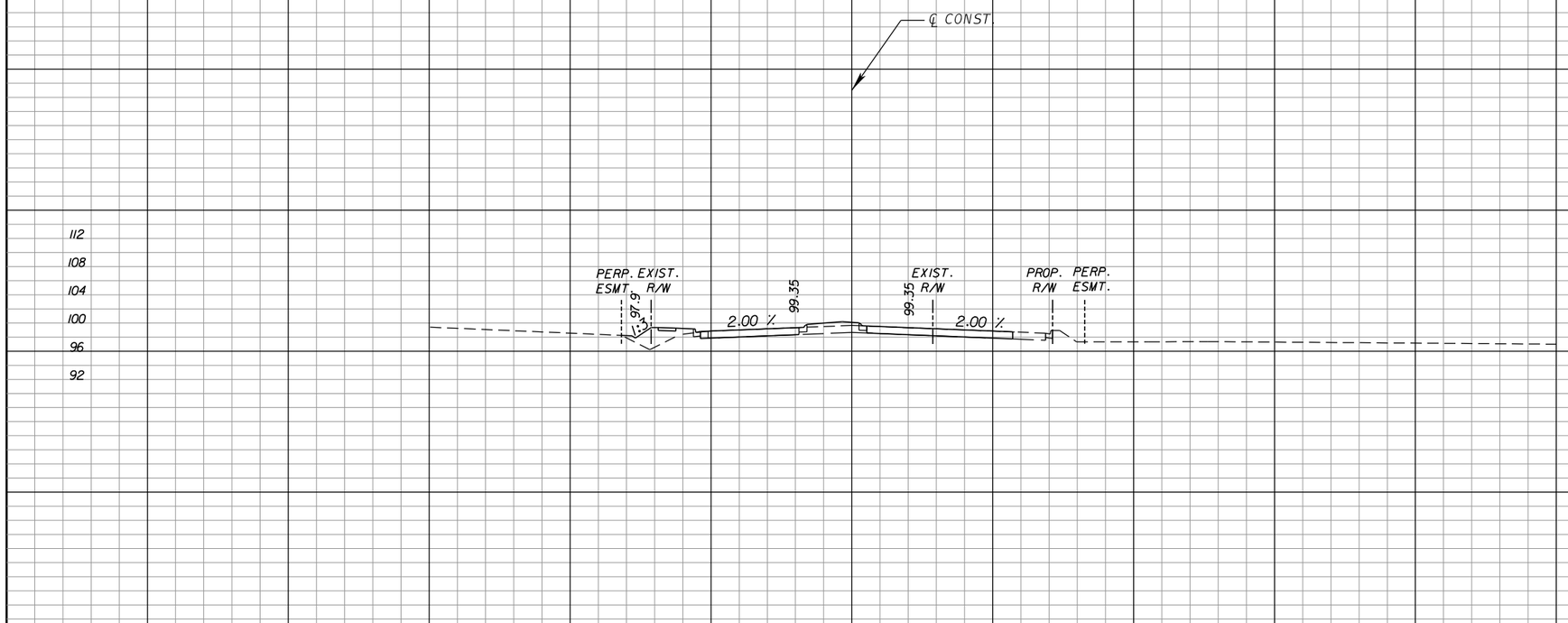
COUNTY ROAD 466A

LAKE COUNTY, FL.

ROADWAY SOIL SURVEY

APPROXIMATE SCALE:	DATE: 12/06/06	ENGINEER: SB
1"=5'	PN: CGGT–05–364	DRAWN BY: DLS

SHEET 43



Regular Exc.		Embankment	
A	V	A	V
84	0	37	0

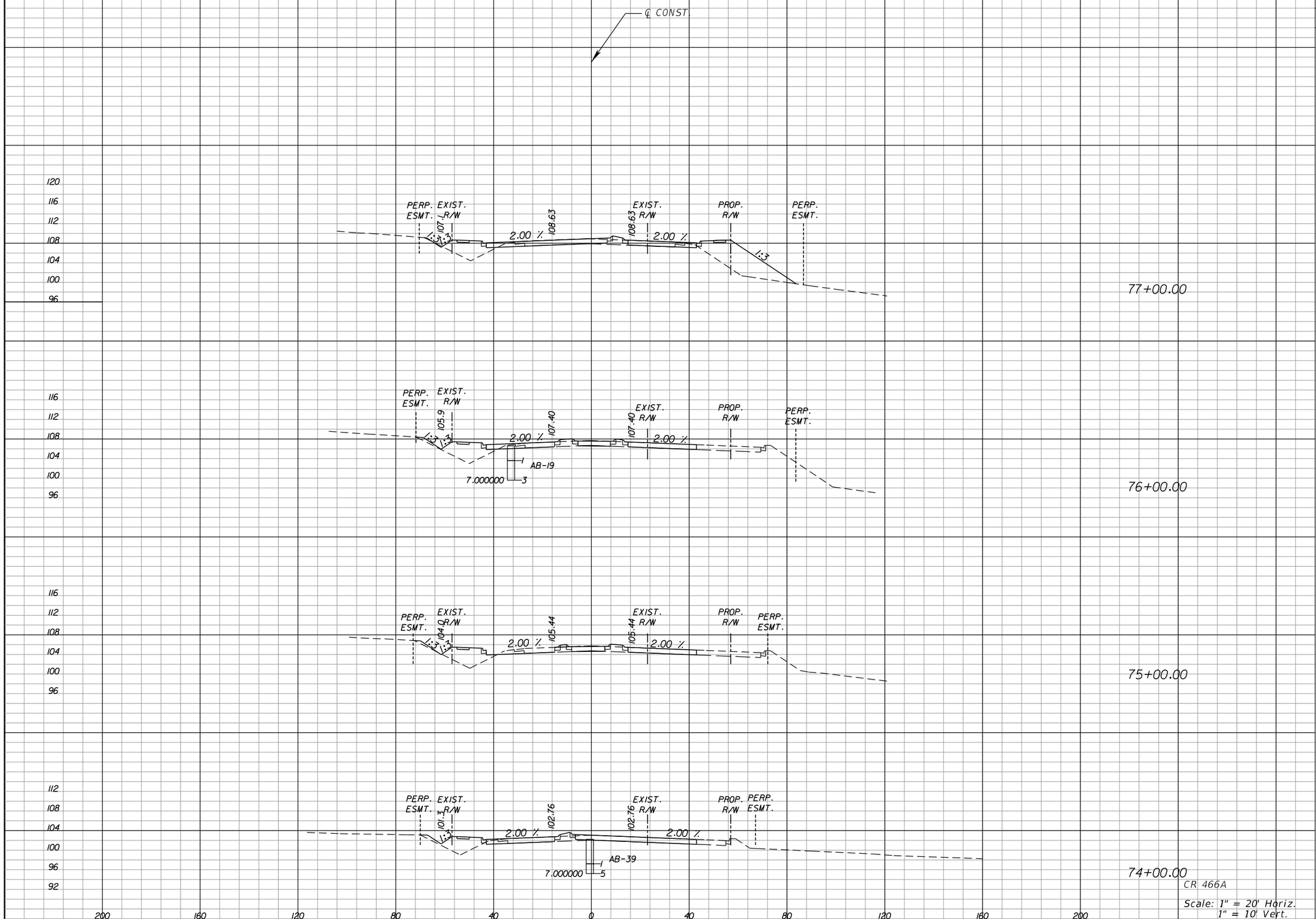
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

CROSS SECTIONS (01)

SHEET NO. 44



Regular Exc.		Embankment	
A	V	A	V
70		188	
	305		464
95		62	
	354		223
96		58	
	347		194
91		47	
	325		154

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

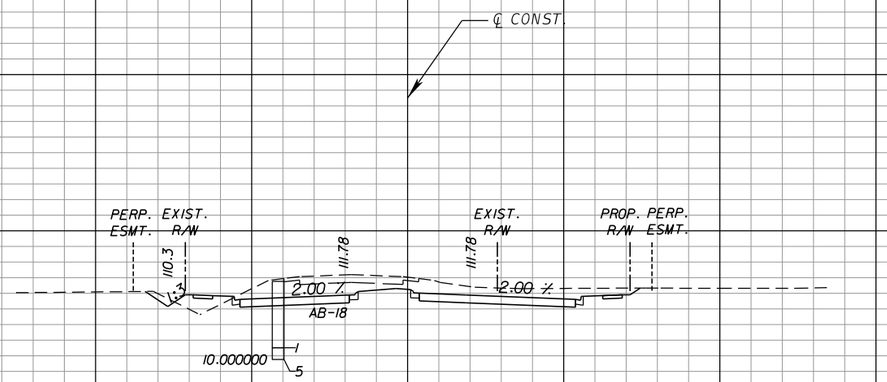
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P.E. License No. 45825
189 South Orange Avenue, Suite 1000
Orlando, Florida 32801

COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

CROSS SECTIONS (02)

SHEET NO. 45

Spencer.Edwards 12/20/2022 12:36:38 PM K:\ORL_Roadway\049473002_Phase3B\049473002\roadway\XS\rdxsrd01.dgn



81+00.00

BEGIN MATCH SIDESLOPES
FOR RIGHT PROPERTY
PEER PLANS
STA. 80+21.61

80+00.00

79+00.00

78+00.00

CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

Regular Exc.		Embankment	
A	V	A	V
244		21	
	774		144
175		56	
	583		329
140		121	
	464		502
110		150	
	334		625

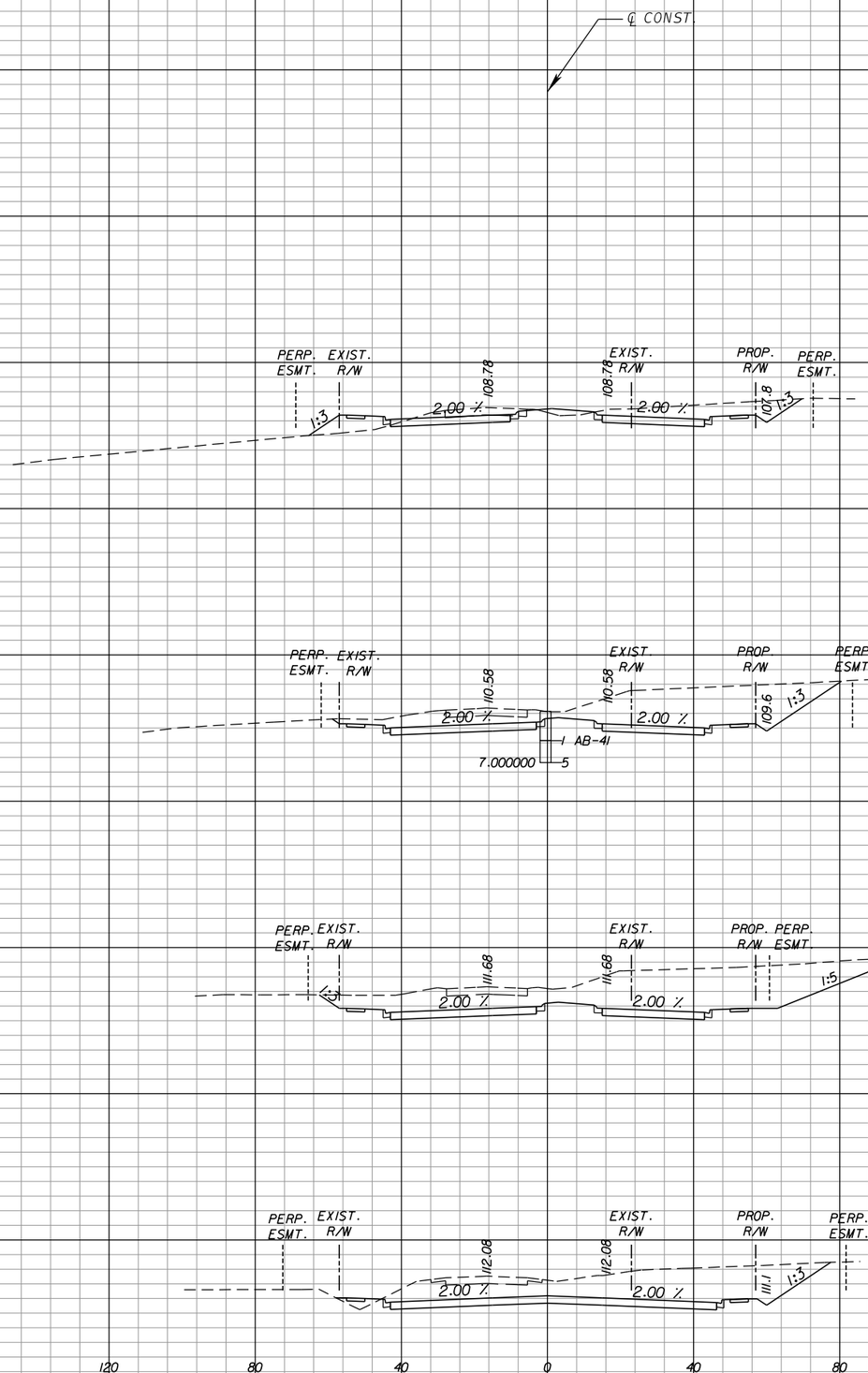
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Kimley»Horn
Certificate Of Authorization No. 696
L. Frederick Burkett, P.E.
P.E. License No. 45825
189 South Orange Avenue, Suite 1000
Orlando, Florida 32801

COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

CROSS SECTIONS (03)

SHEET NO. 46



CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

Regular Exc.		Embankment	
A	V	A	V
175	1221	44	82
485	2075	0	0
636	2082	0	18
488	1356	10	57

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

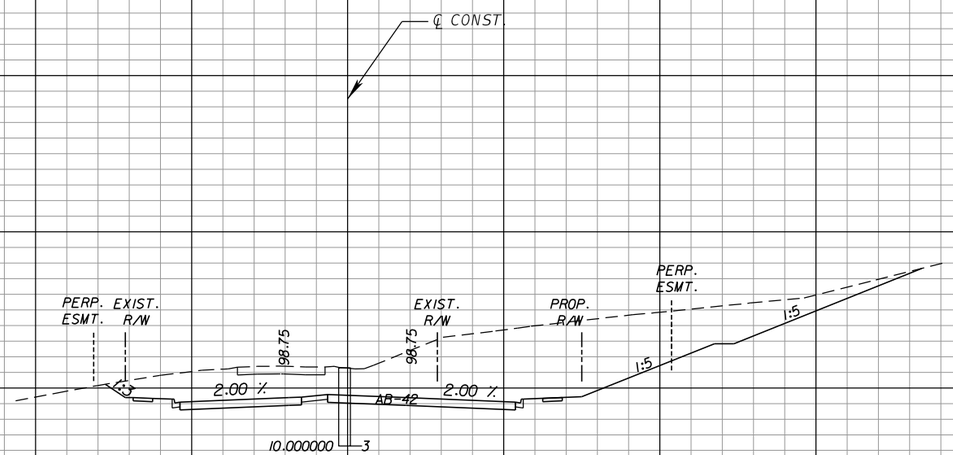
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P.E. License No. 45825
189 South Orange Avenue, Suite 1000
Orlando, Florida 32801

COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

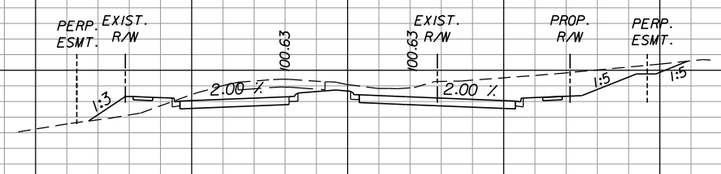
CROSS SECTIONS (04)

SHEET NO. 47

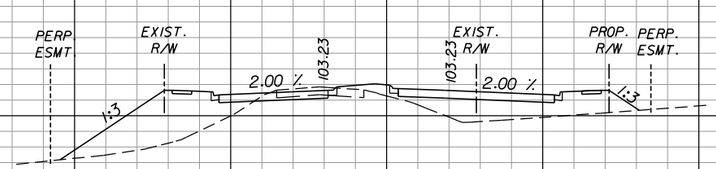
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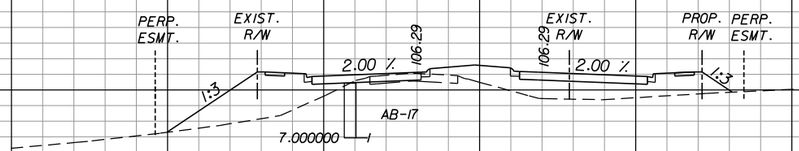
89+00.00



88+00.00



87+00.00



86+00.00

CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

Regular Exc.		Embankment	
A	V	A	V
1117		0	
	2646		57
312		31	
	624		663
25		327	
	71		1178
13		309	
	348		654

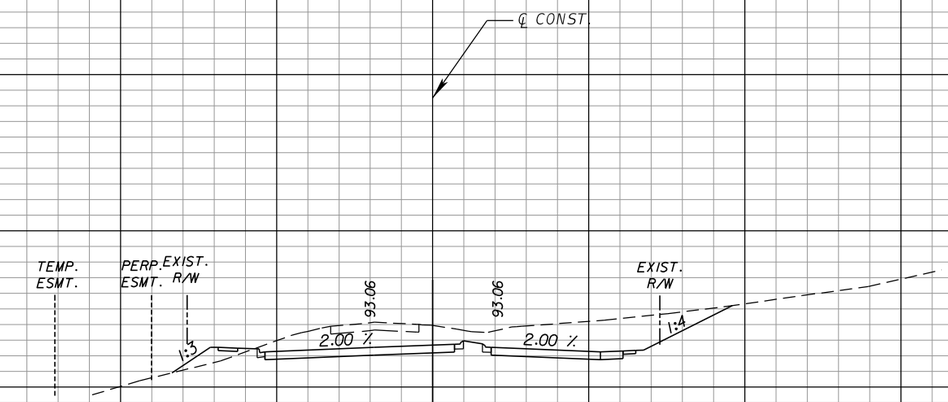
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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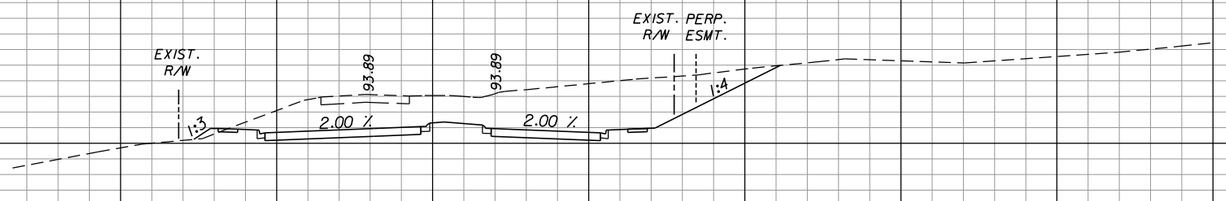
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LAKE COUNTY, FLORIDA

CROSS SECTIONS (05)

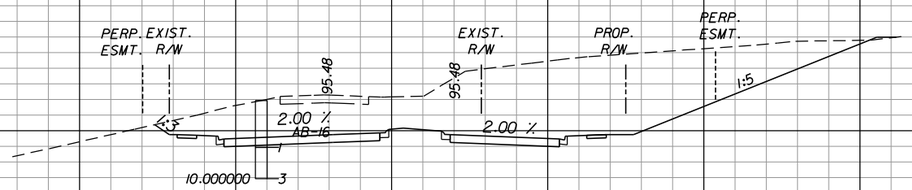
SHEET NO. 48



93+00.00

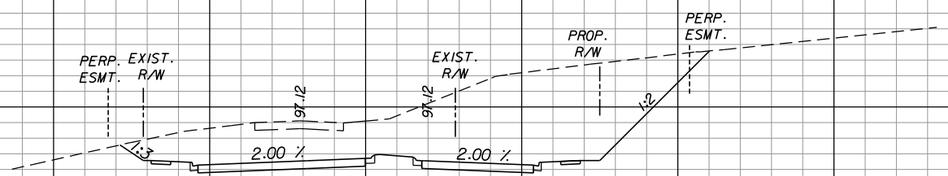


92+00.00



END MATCH SIDESLOPES
FOR RIGHT PROPERTY
PEER PLANS
STA. 91+80.76

91+00.00



90+00.00

CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

Regular Exc.		Embankment	
A	V	A	V
413		23	
	1974		50
653		4	
	3361		10
1162		1	
	4171		2
1090		0	
	4088		0

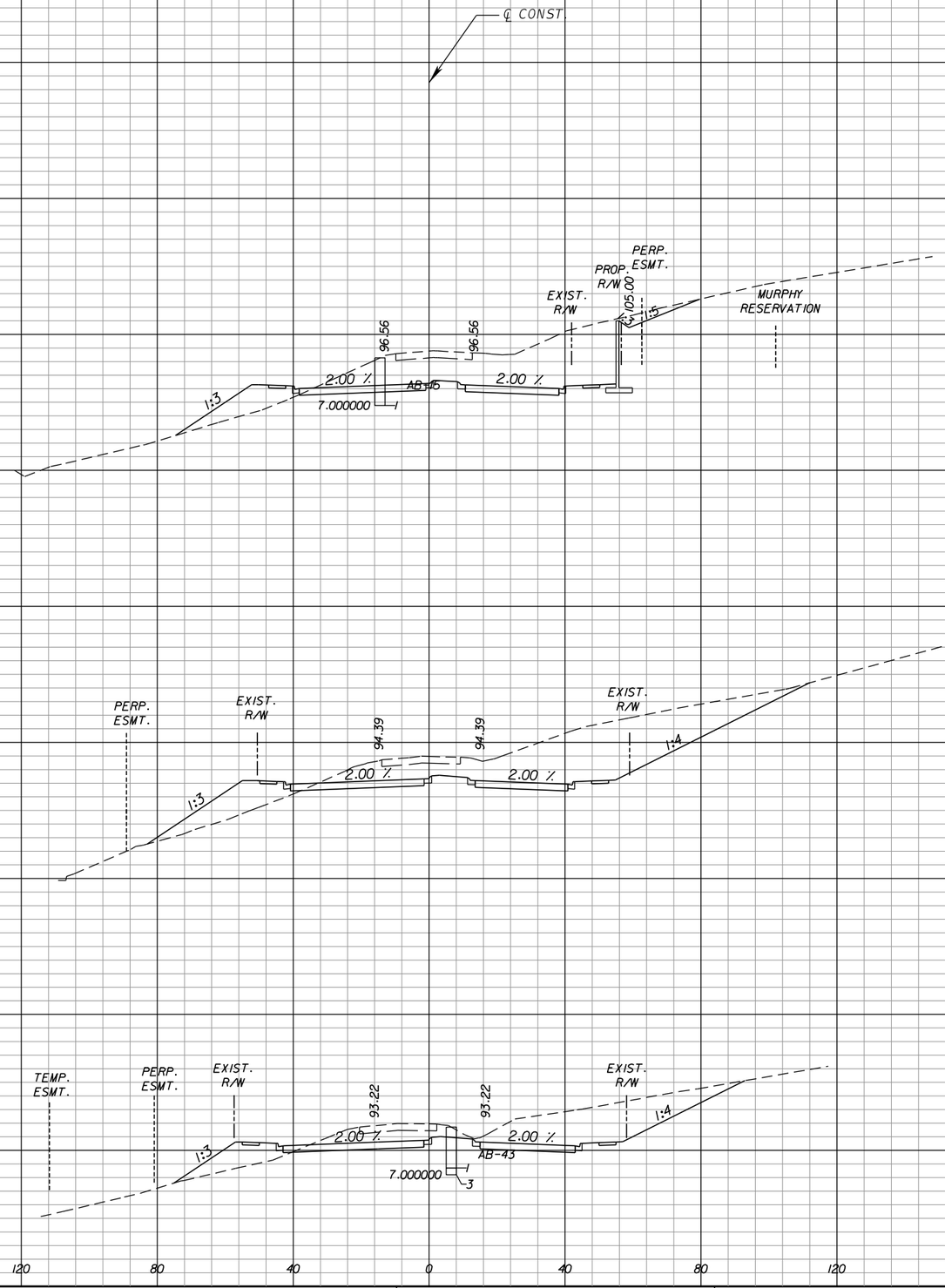
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CROSS SECTIONS (06)

SHEET NO.
49



Regular Exc.		Embankment	
A	V	A	V
555		81	
	2288		367
680		117	
	2076		355
441		75	
	1581		181

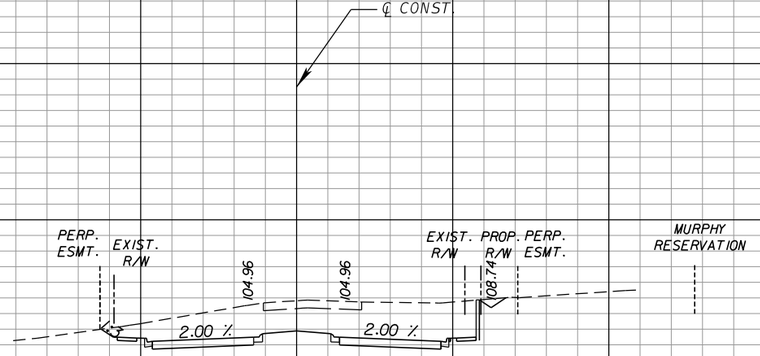
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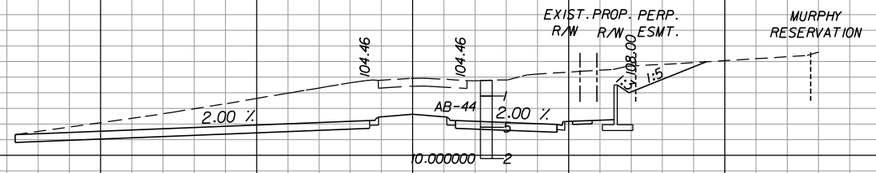
CROSS SECTIONS (07)

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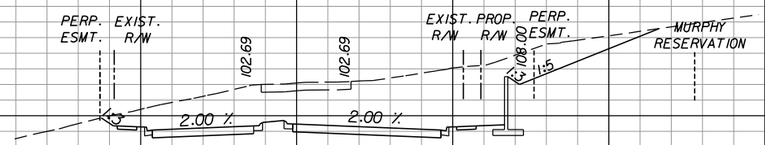
100+00.00

Regular Exc.		Embankment	
A	V	A	V
433		0	
	2286		0



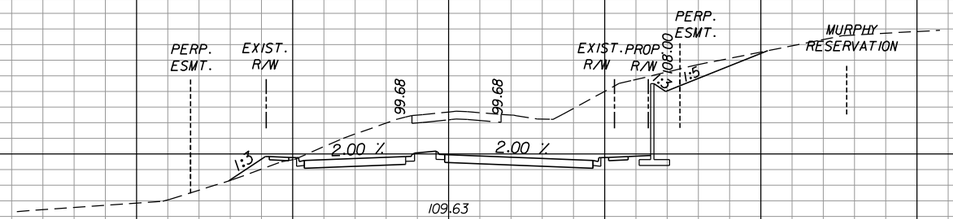
99+00.00

749		0	
	2714		0



98+00.00

716		0	
	2451		19



97+00.00

CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

607		11	
	2153		170

200 160 120 80 40 0 40 80 120 160 200

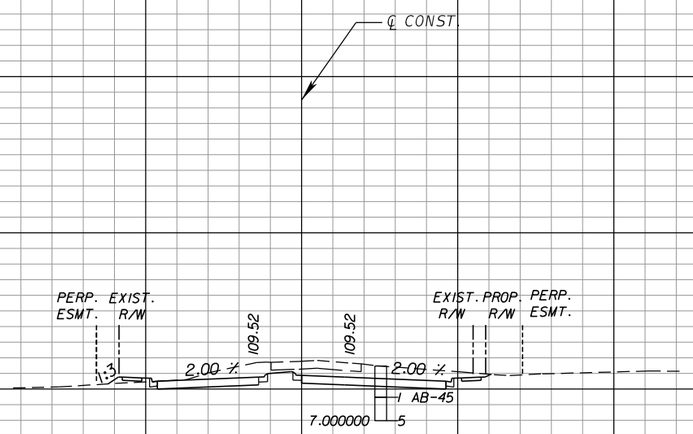
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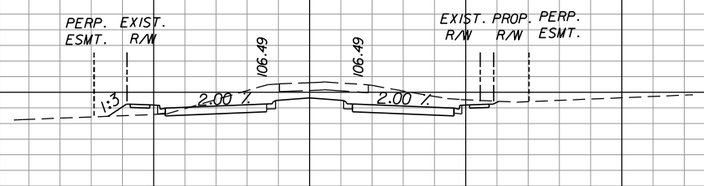
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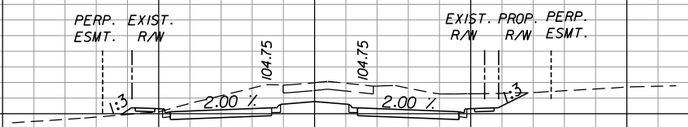
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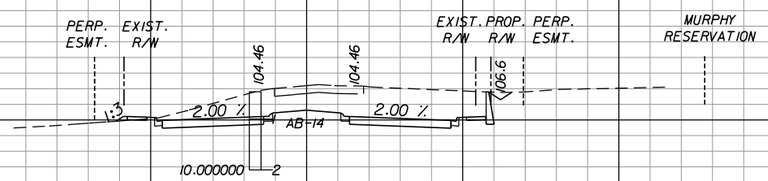
CROSS SECTIONS (08)

SHEET NO. 51









Regular Exc.		Embankment	
A	V	A	V
177	671	4	30
185	824	12	29
260	1081	4	9
324	1401	1	3

104+00.00

103+00.00

102+00.00

101+00.00

CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

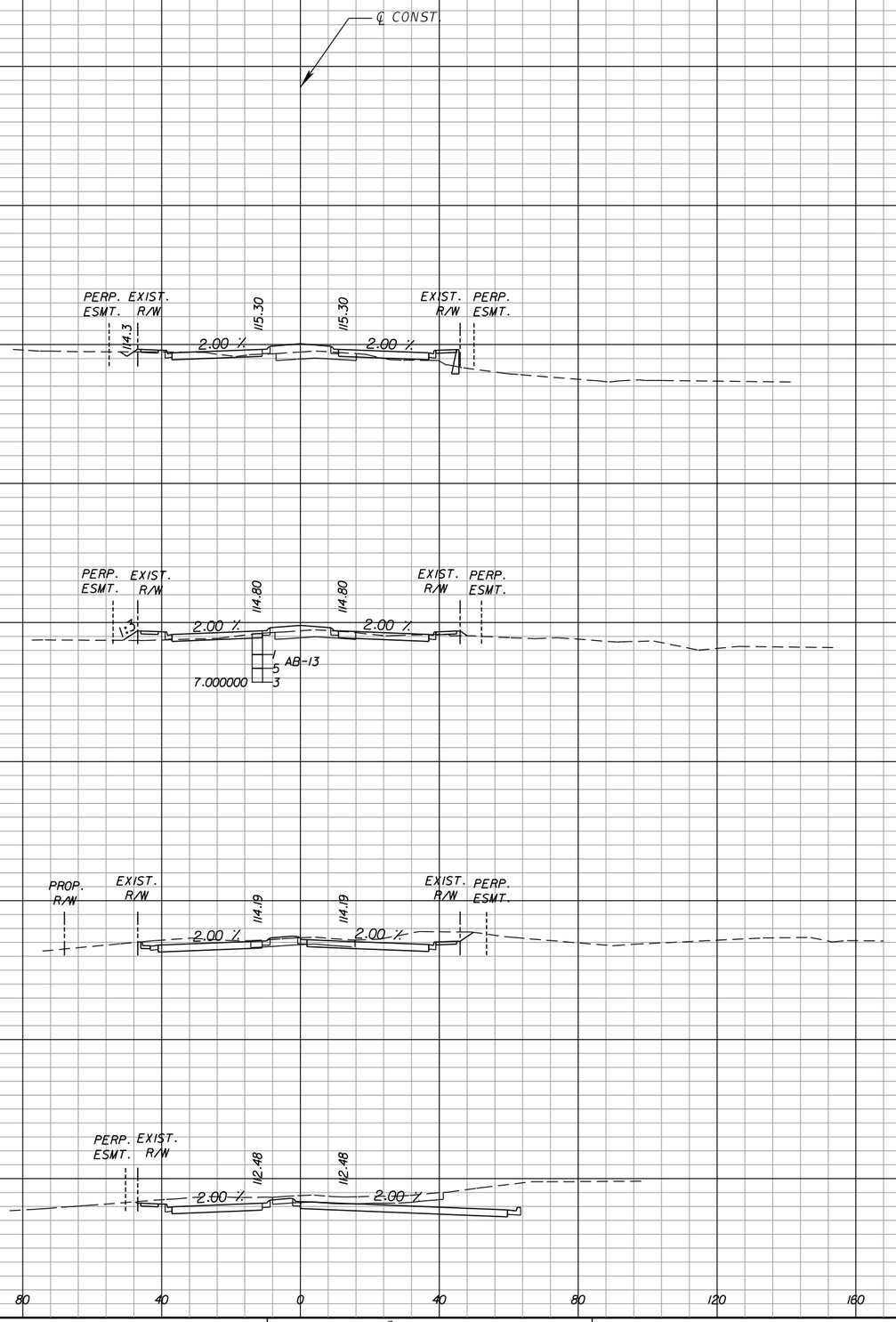
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CROSS SECTIONS (09)

SHEET NO. 52



Regular Exc.		Embankment	
A	V	A	V
27	108	31	102
32	309	24	49
135	765	2	4
278	843	0	7

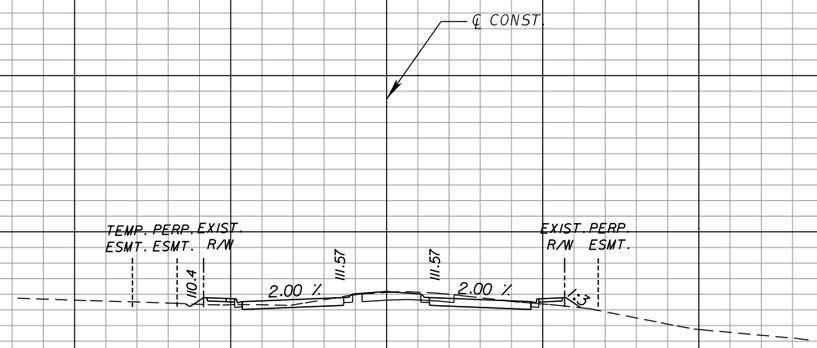
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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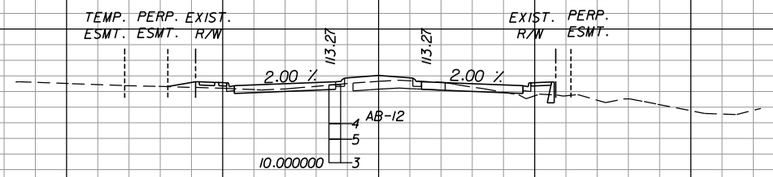
CROSS SECTIONS (10)

SHEET NO. 53

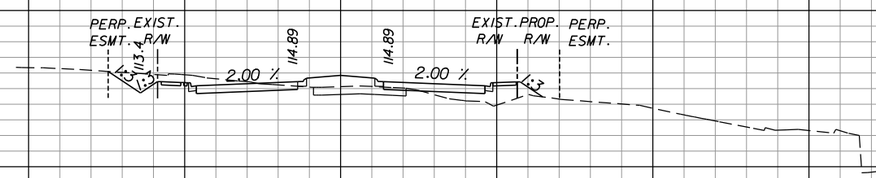


112+00.00

END GRAVITY WALL
& STEEL RAILING
STA. 111+70.17 (RT.)

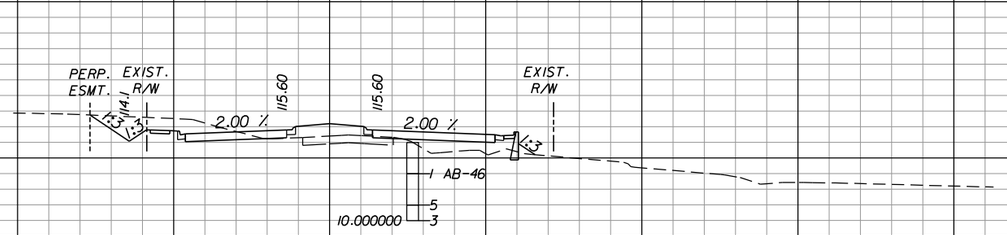


111+00.00



BEGIN GRAVITY WALL
& STEEL RAILING
STA. 110+40.00 (RT.)

110+00.00



END GRAVITY WALL
& STEEL RAILING
STA. 109+05.69 (RT.)

109+00.00

CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

200 160 120 80 40 0 40 80 120 160 200

Regular Exc.		Embankment	
A	V	A	V
56		12	
	158		68
30		25	
	178		154
66		58	
	270		225
80		64	
	197		174

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

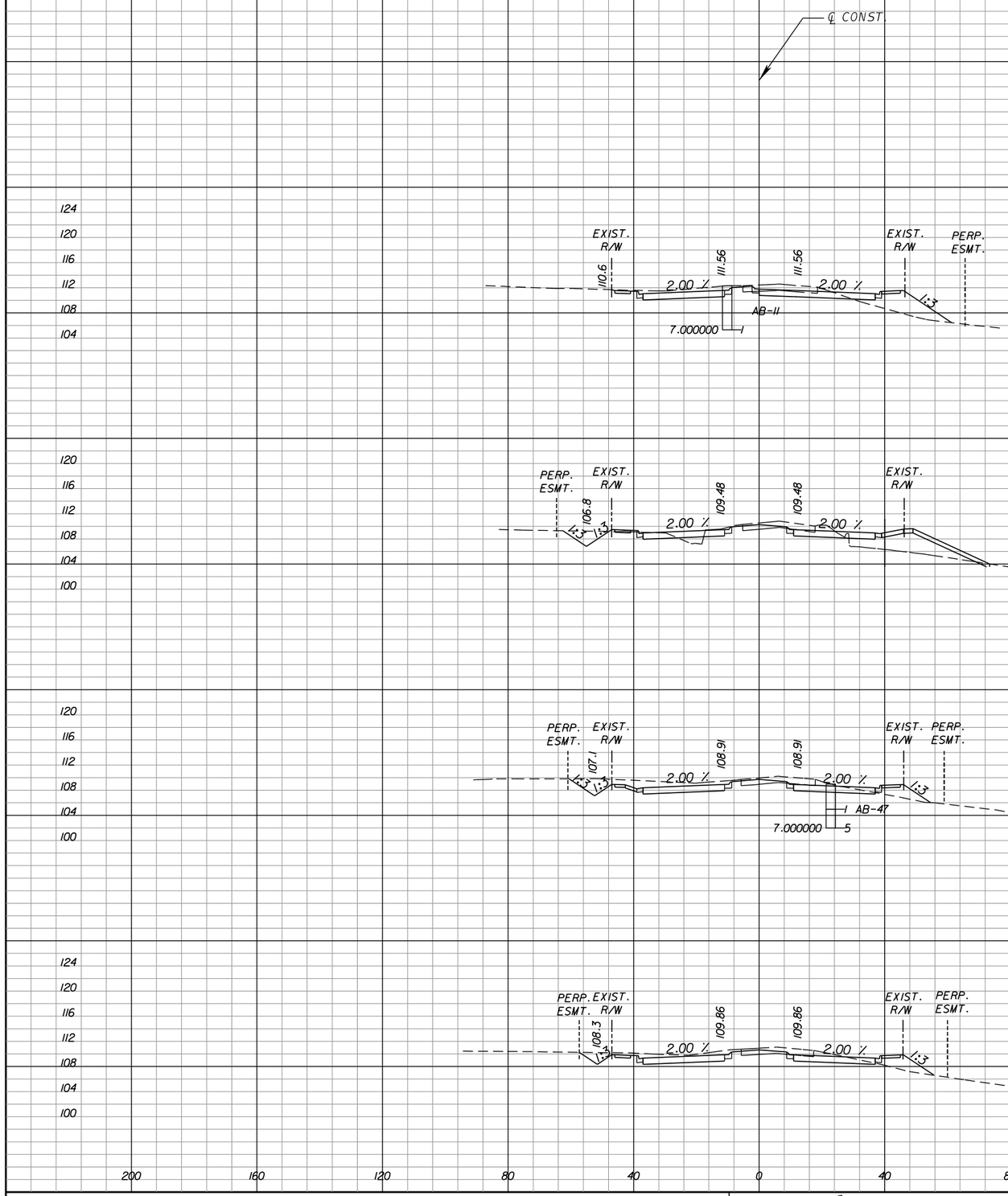
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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

CROSS SECTIONS (11)

SHEET NO. 54

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Regular Exc.		Embankment	
A	V	A	V
94		56	
	316		250
77		79	
	371		182
124		20	
	417		80
102		23	
	291		65

CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

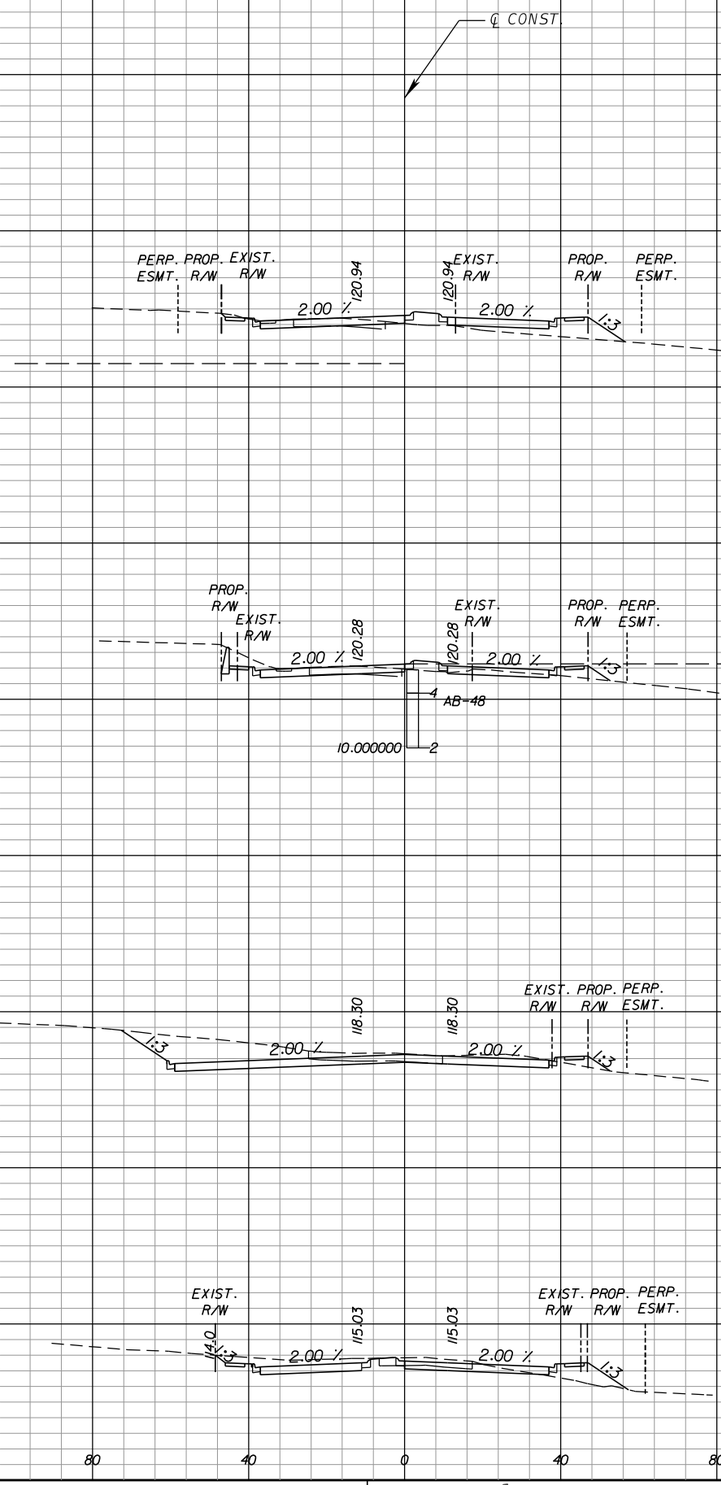
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LAKE COUNTY, FLORIDA

CROSS SECTIONS (12)

SHEET NO. 55

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CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

Regular Exc.		Embankment	
A	V	A	V
35		61	
	192		152
69		21	
	545		58
225		10	
	597		74
98		30	
	354		161

REVISIONS

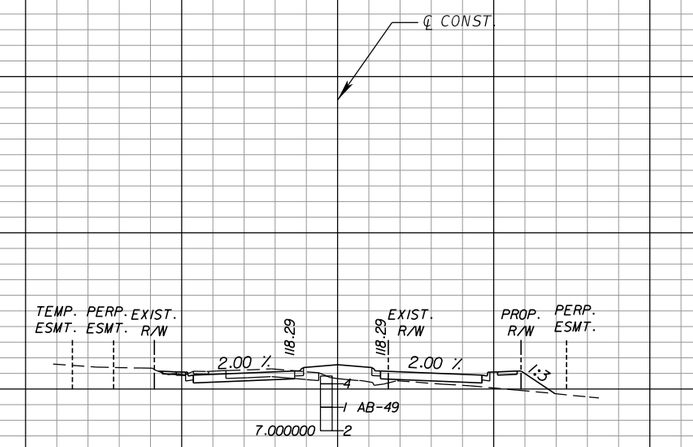
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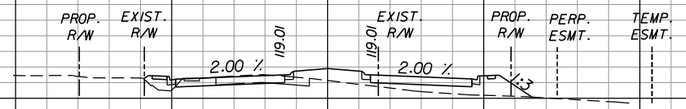
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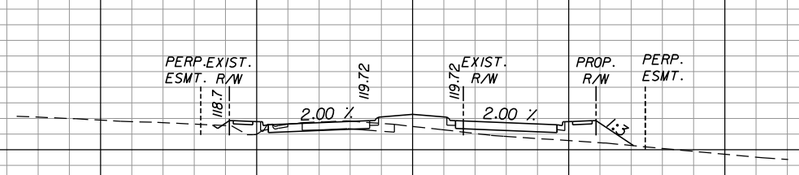
COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

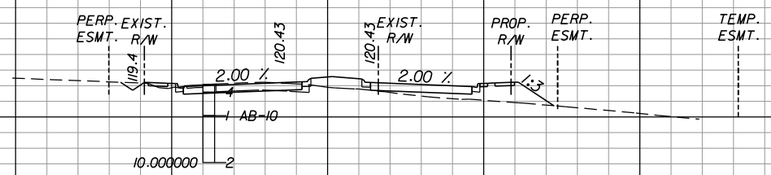
CROSS SECTIONS (13)

SHEET NO. 56









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	Regular Exc.		Embankment	
	A	V	A	V
124+00.00	39	126	65	270
123+00.00	29	105	80	312
122+00.00	28	119	88	285
121+00.00	37	132	66	234

CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

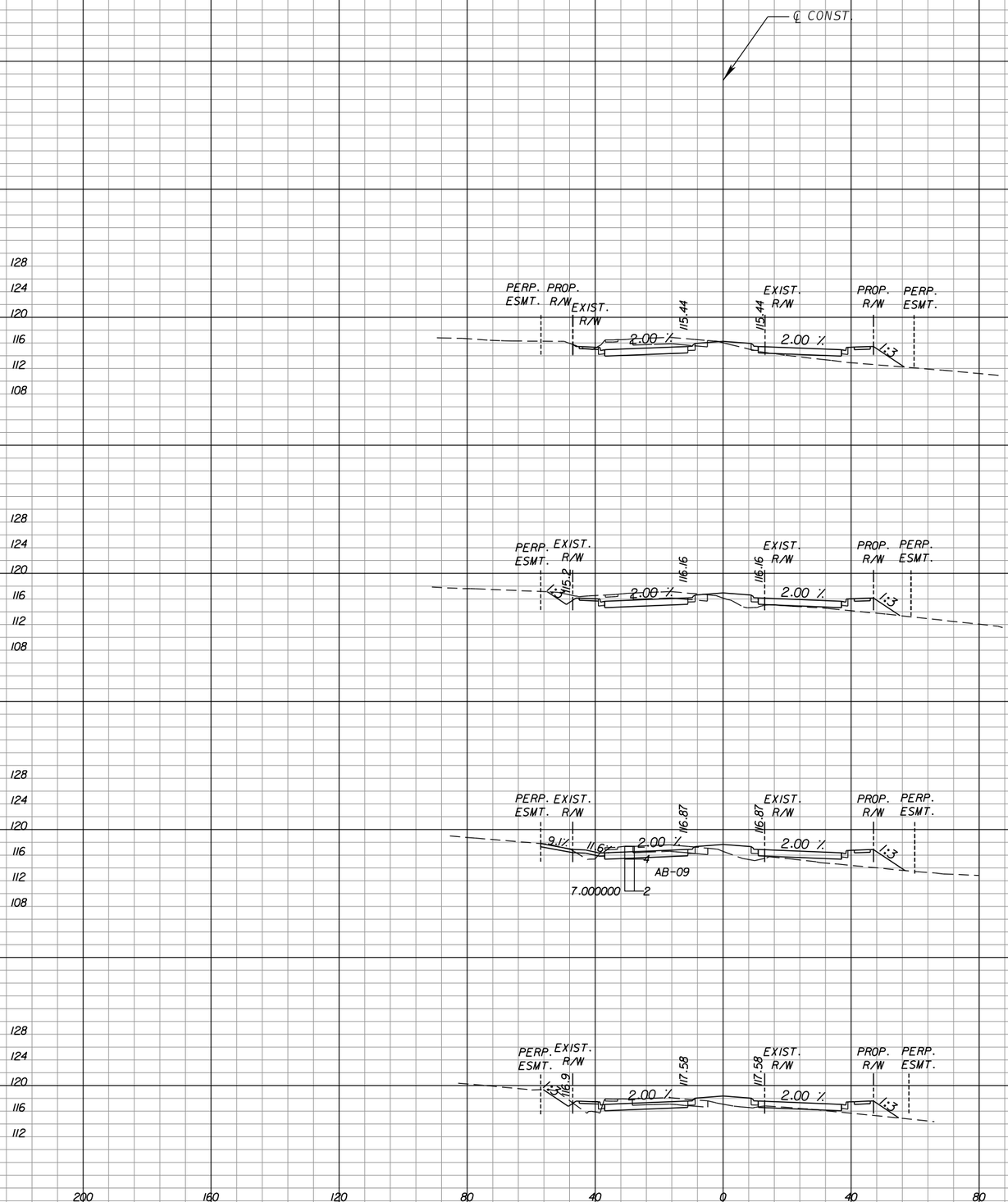
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CROSS SECTIONS (14)

SHEET NO. 57

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Regular Exc.		Embankment	
A	V	A	V
76	275	50	178
73	238	46	216
56	208	71	229
56	176	53	219

CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

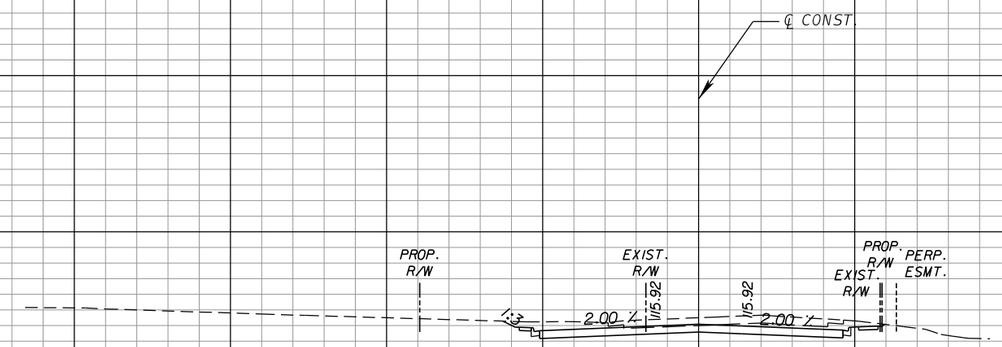
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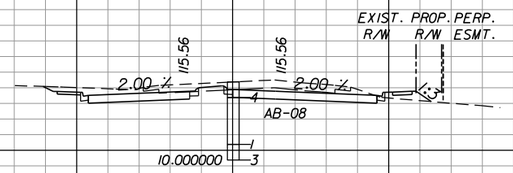
CROSS SECTIONS (15)

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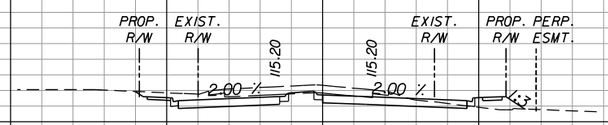
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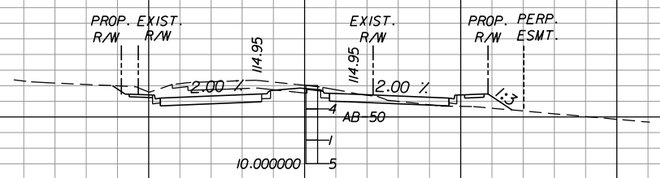
132+00.00



131+00.00



130+00.00



129+00.00

CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

200 160 120 80 40 0 40 80 120 160 200

Regular Exc.		Embankment	
A	V	A	V
182	601	0	14
143	506	8	39
130	460	14	56
118	359	17	124

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

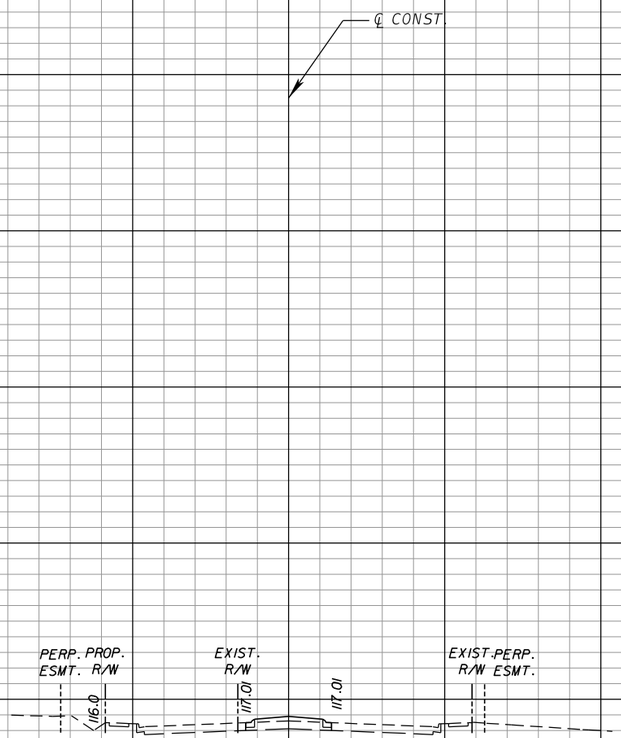
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CROSS SECTIONS (16)

SHEET NO. 59

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END PROJECT
END CONSTRUCTION
END EARTHWORK
STA. 135+09.50

SUMMARY OF ROADWAY EARTHWORK
EXCAVATION = 57,497 CY
EMBANKMENT = 10,572 CY

135+00.00

134+00.00

133+00.00

CR 466A

Scale: 1" = 20' Horiz.
1" = 10' Vert.

Regular Exc.		Embankment	
A	V	A	V
3		9	
	201		19
106		2	
	504		3
166		0	
	644		0

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CROSS SECTIONS (17)

SHEET NO. 60

The following narrative is the Stormwater Pollution Prevention Plan and contains references to the FDOT Standard Specifications for Road and Bridge Construction, the FDOT Design Standards (2019), and other sheets of these construction plans. The first sheet of the construction plans (called the Key Sheet) contains an index to the other sheets. The complete Stormwater Pollution Prevention Plan includes several items:

- this narrative description,
- the documents referenced in this narrative,
- the Contractor's approved Erosion Control Plan required by Section 104 of the FDOT Standard Specifications for Road and Bridge Construction (latest edition) hereinafter referred to as the 'Section 104 Erosion Control Plan', and
- reports of inspection made during construction.

1.0 SITE DESCRIPTION

1.a Nature of Construction Activity:

The project is the re-construction/widening of CR 466A. This involves constructing roadway surface, curb and gutter, sidewalk, underground storm sewer systems, and stormwater management facilities. This project begins east of Timbertop Lane and extends east to east of Poinsettia Avenue in Lake County, Florida, a distance of approximately 1.20 miles.

1.b Sequence of Major Soil Disturbing Activities:

In the Section 104 Erosion Control Plan, the Contractor shall provide a detailed sequence of construction for all construction activities. The Contractor shall follow the sequence of major activities described below, unless the Contractor proposes a different sequence that is equal or better at controlling erosion and trapping sediment and is approved by the Engineer.

For each construction phase, install perimeter controls after clearing and grubbing necessary for installation of controls but before beginning other work for the construction phase. Remove perimeter controls only after all upstream areas are stabilized.

1. Clearing and grubbing, earthwork, and storm sewer construction for the outfall from the ponds.
2. Clearing and grubbing, earthwork for pond construction.
3. Storm sewer construction. Construct the storm drain pipe in the upstream direction.
4. Earthwork associated with roadway , and construction of gravity wall, curb, subgrade, base, pavement, and sidewalk.

1.c Area Estimates:

Total project area: 89.55 acres.
Total area to be disturbed: 89.55 acres.

1.d Runoff Data:

Runoff Coefficients
Runoff Coefficient for Impervious Areas: C = 0.95
Runoff Coefficient for Pervious Areas: C = 0.25
Runoff Coefficient for Wet Areas: C = 1.00

Weighted Runoff Coefficients
(B)efore Construction Runoff Coefficient: C(b) = 0.44
(A)fter Construction Runoff Coefficient: C(a) = 0.67
(D)uring Construction Runoff Coefficient:
C(d) varies from 0.44 to 0.67

1.e Soils Data:

The results of the soil borings along the roadway are shown in the Roadway Soil Survey Boring Sheet(s) in this plan set.
The results of soil borings done in the ponds are shown on the Pond Detail Sheets.

1.f Outfall Information: There are two(2) outfalls.

#1 Description: Pond One(1)
Location: NA
Recieving Water Name: None - Dry Retention

#2 Description: Pond Two(2)
Location: NA
Recieving Water Name: None - Dry Retention

#3 Description: Pond Three(3)
Location: NA
Receiving Water Name: None - Dry Retention

#4 Description: Pond Four(4)
Location: Sta. 92+37.57, 796.22 RT
Recieving Water Name: Josephine Lake

#5 Description: Pond Five(5)
Location: NA
Recieving Water Name: None - Dry Retention

#6 Description: Pond Five-A(5A)
Location: NA
Receiving Water Name: None - Dry Retention

#7 Description: Pond Six(6)
Location:
Recieving Water Name:

1.h Site Map:

The construction plans are being used as the site maps. The location of the required information is described below. The sheet numbers for the plan sheets referenced are identified on the Key Sheet of these construction plans.

* Drainage Patterns: The drainage basin divides and flow directions are shown on the Drainage Maps.
* Approximate Slopes: The slopes of the site can be seen in the Cross Section Sheets, Plan Sheets and Profile Sheets.
* Areas Of Soil Disturbance: The areas to be disturbed are indicated on the Plan Sheets, the Cross Section Sheets, and the Detail Sheets. Any area of new construction will be disturbed.
* Areas Not To Be Disturbed: The areas not to be disturbed are the existing banks beyond the limits of construction with exceptions shown on the Plan Sheets.
* Locations Of Temporary Controls: These are shown on the Traffic Control Plans and on the Details Sheets. Tables providing quantities are located on the Summary of Quantities Sheets.
* Locations of Permanent Controls: The sod stabilization is the primary permanent runoff/erosion controls. These are shown on the Traffic Control Plans and the Plan Sheets.
* Areas To Be Stabilized: Temporary stabilization practices are shown in the same location as the temporary controls mentioned above. Permanent stabilization is shown on the Typical Section Sheets, the Plan Sheets and the Detail Sheets.
* Surface Waters: NA
* Discharge Points To Surface Waters: NA

1.i Receiving Waters:

See Item 1.f for the outfall locations and receiving water names.

2.0 CONTROLS:

2.a Erosion And Sediment Controls:

In the Section 104 Erosion Control Plan, the Contractor shall describe the proposed stabilization and structural practices based on the Contractor's proposed Traffic Control Plan. The following recommended guidelines are based on the Traffic Control Plans (TCP) outlined in the construction plans. The Contractor may chose to accept the following guidelines or modify them in the Section 104 Erosion Control Plan, subject to approval of the Engineer. As work progresses, the Contractor shall modify the plan to adapt to seasonal variation, changes in construction activities, and the need for better practices.

2.a.2 Structural Practices:

In Section 104 Erosion Control Plan, the Contractor shall describe the proposed structural practices to control or trap sediment and otherwise prevent the discharge of pollutants from exposed areas of the site. Sediment controls shall be in place before disturbing soil upstream of the control. The structural practices shall include at least the following unless otherwise approved by the Engineer.

Temporary:

* Silt fence in accordance with Design Standard 102 and Specification Section 104.
* Sandbags to control erosion and trap silt.
* Inlet protection in accordance with Design Standard 102.

Permanent:

* Sod.

2.b Stormwater Management:

Several storm sewer systems will be constructed to convey runoff to seven(7) stormwater retention ponds. The facilities have been permitted by the St John's River Water Management District and Lake County and comply with applicable design standards.

2.c Other Controls:

2.c.1 Waste Disposal:

In the Section 104 Erosion Control Plan, the Contractor shall describe the proposed methods to prevent the discharge of solid materials, including building materials, to waters of the United States. The proposed methods shall include at least the following, unless otherwise approved by the Engineer.

* Providing litter control and collection within the project during construction activities.
* Disposing of all fertilizer or other chemical containers according to EPA's standard practices as detailed by the manufacture.
* Disposing of solid materials including building and construction materials off the project site but not in surface waters or wetlands.

2.c.2 Off-Site Vehicle Tracking & Dust Control:

In the Section 104 Erosion Control Plan, the Contractor shall describe the proposed methods for minimizing offsite vehicle tracking of sediments and generating dust. The proposed methods shall include at least the following, unless otherwise approved by the Engineer.

* Covering loaded haul trucks with tarpaulins.
* Removing excess dirt from paved areas daily.
* Using roadway sweepers during dust generating activities such as excavation and milling operations.

2.c.3 State and Local Regulations For Waste Disposal, Sanitary Sewer, Or Septic Tank Regulations:

In the Section 104 Erosion Control Plan, the Contractor shall describe the proposed procedures to comply with applicable state and local regulations for waste disposal, and sanitary sewer or septic systems.

2.c.4 Fertilizers and Pesticides:

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

2.c.5 Toxic Substances:

In the Section 104 Erosion Control Plan, the Contractor shall provide a list of toxic substances that are likely to be used on the job and provide a plan addressing the generation, application, migration, storage, and disposal of these substances.

2.d Approved State and Local Plans and Permits:

* SJRWMD Permit
* NPDES

3.0 MAINTENANCE:

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

* Silt Fence:
  Maintain per Section 104. The Contractor should anticipate replacing silt fence on 12 month intervals.
* Staked/Floating Turbidity Barrier
  The Contractor shall maintain a Staked Turbidity Barrier or Floating Turbidity Barrier if water is present downstream of the existing structure.

4.0 INSPECTIONS:

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

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

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

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

5.0 NON-STORMWATER DISCHARGES:

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

* Dust Control
  The Contractor shall develop in Section 104 Erosion Control Plan a dust control plan and remedial action to correct any malfunctioning measures.
* Equipment Washout
  The Contractor shall develop in Section 104 Erosion Control Plan an effective plan to control equipment washout and other erosive conditions from equipment cleaning processes, and remedial action to correct any malfunctioning measures.
* Hazardous Material Spill
  The Contractor shall develop in Section 104 Erosion Control Plan an effective plan to control in the event any hazardous materials should spill and remedial action to correct any malfunctioning measures.

In the Section 104 Erosion Control Plan, the Contractor shall identify all anticipated non-stormwater discharges (except flows from fire fighting activities). The Contractor shall describe the proposed measures to prevent pollution of these non-stormwater discharges. If the Contractor encounters contaminated soil or groundwater, contact the District Contamination Impact Coordinator at (386) 943-5000.

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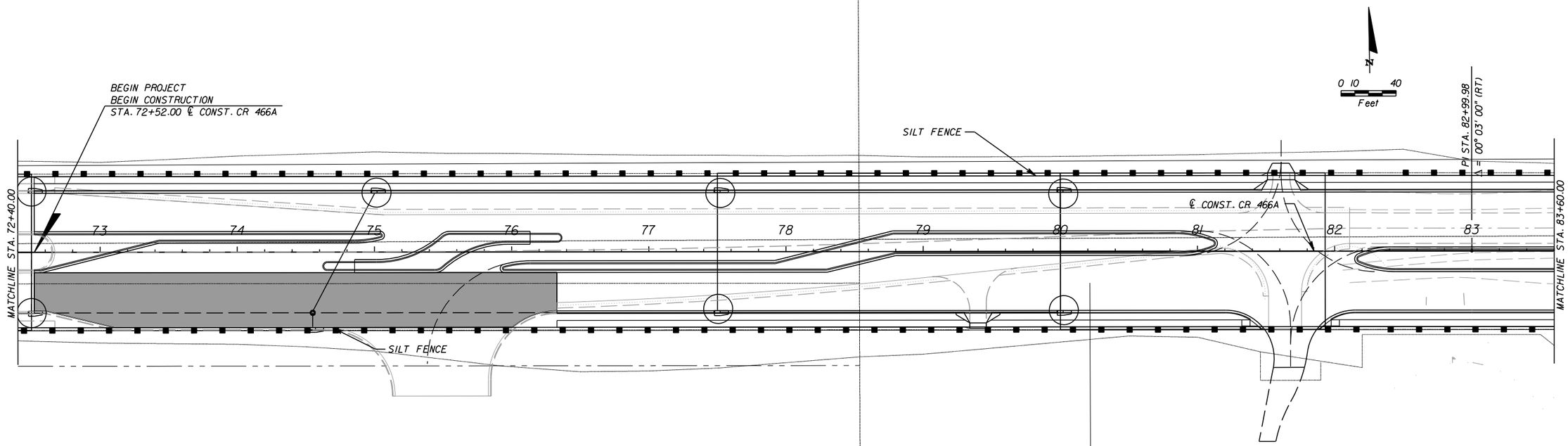
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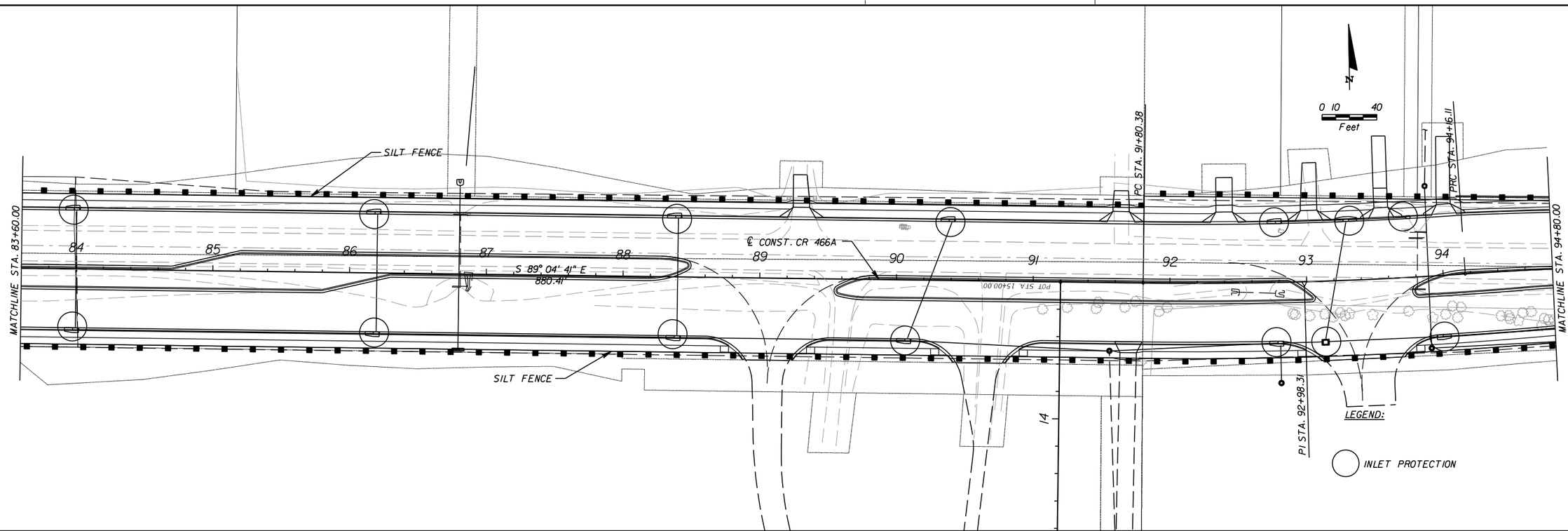
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LAKE COUNTY, FLORIDA

STORMWATER POLLUTION PREVENTION PLAN (01)

SHEET NO. 61

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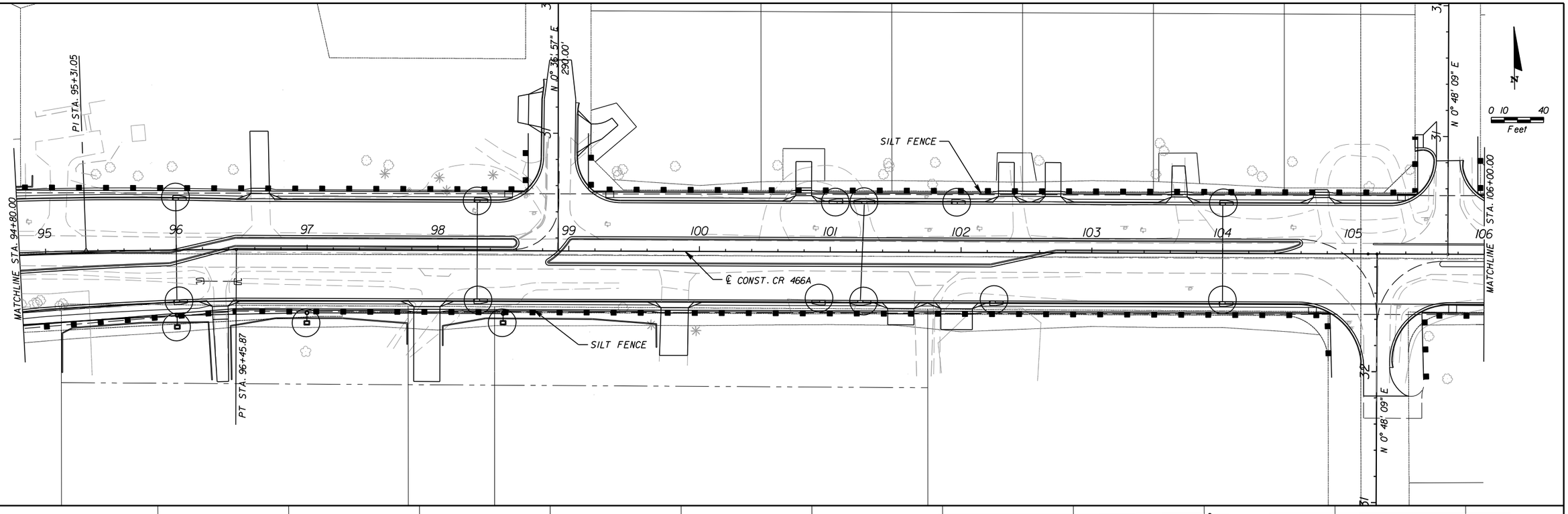
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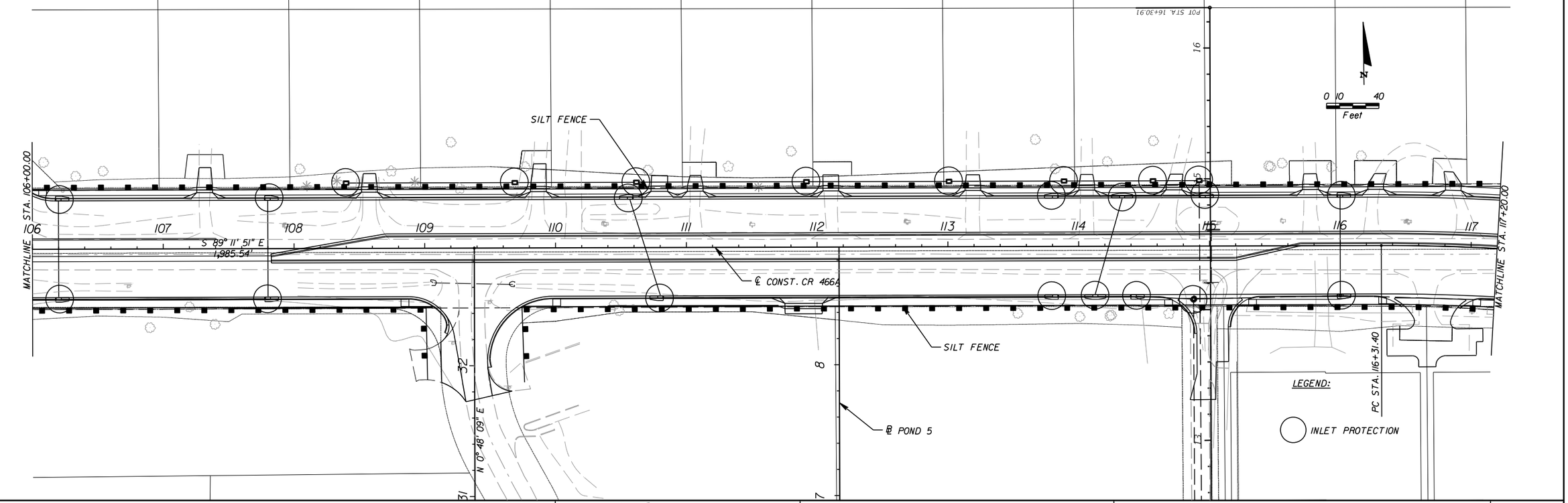
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LAKE COUNTY, FLORIDA

STORMWATER POLLUTION PREVENTION PLAN (02)

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62

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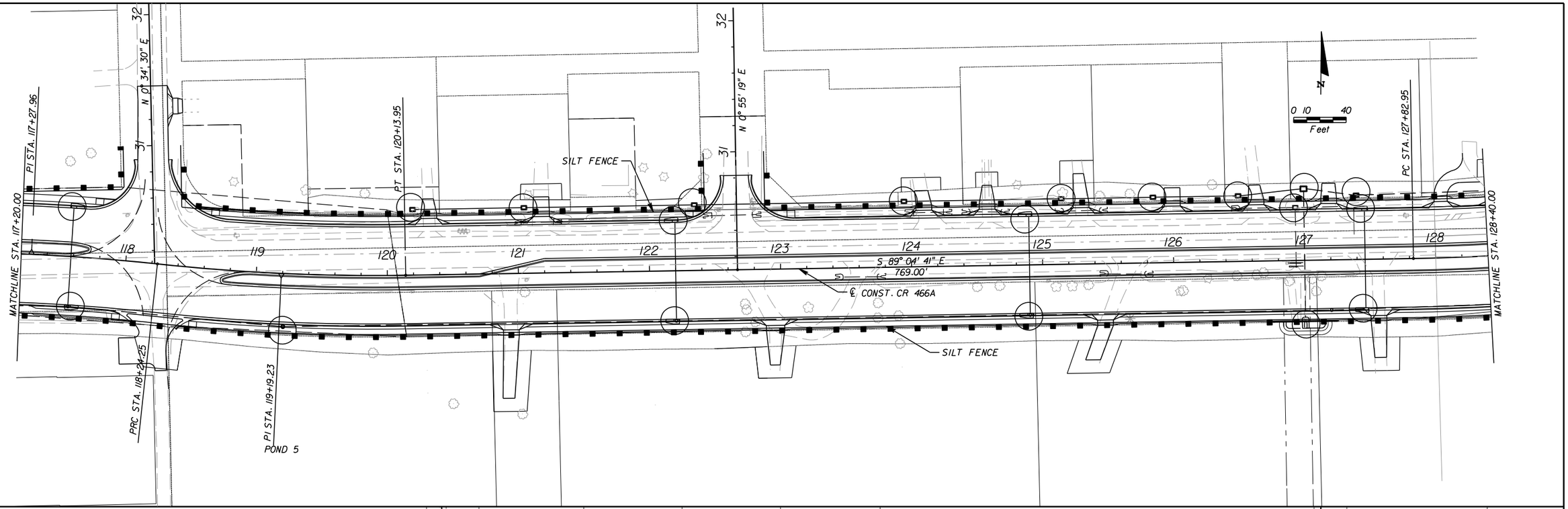
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STORMWATER POLLUTION PREVENTION PLAN (03)

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STORMWATER POLLUTION PREVENTION PLAN (04)

SHEET NO. 64

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TRAFFIC CONTROL NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND FDOT DESIGN STANDARDS, INDEX 102 SERIES. TRAFFIC CONTROL PLANS MAY BE MODIFIED BY THE ENGINEER AS LONG AS THE PLAN COMPLIES WITH THE STANDARD INDEX.

2. ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION.

3. ARROWS ON THE TRAFFIC CONTROL PLANS DENOTE THE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS UNLESS SPECIFICALLY NOTED.

4. REMOVABLE PAVEMENT MARKINGS SHALL BE USED FOR ALL TEMPORARY MARKINGS ON EXISTING PAVEMENT WHERE THE AREA OF EXISTING PAVEMENT IS TO BE RESTRIPED IN FUTURE PHASES. PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASTING ONLY.

5. THE CONTRACTOR SHALL LIMIT THE LENGTH OF MILLING OPERATIONS TO ASSURE THAT TRAFFIC IS NOT PLACED ON ANY ASHALT MILLED SURFACE. THE CONTRACTOR SHALL RESTORE DROP OFF CONDITIONS FOR INACTIVE WORK ZONES PER FDOT STANDARD INDEX 102-600. THROUGHOUT THE MILLING OPERATIONS THE CONTRACTOR SHALL HAVE A SELF-CONTAINED VACUUM TYPE MOBILE BROOM FOR CLEANUP OF MILLED DUST MATERIAL.

6. ALL EXISTING PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKERS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE DISTURBED OR REMOVED DUE TO CONSTRUCTION OPERATIONS SHALL BE REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT DESIGN STANDARDS, INDEX NOS. 17346 AND 17352. PAYMENT FOR THIS ITEM SHALL BE INCLUDED IN PAY ITEM 102-1 (MAINTENANCE OF TRAFFIC).

7. THE CONTRACTOR SHALL REMOVE ANY EXISTING OR TEMPORARY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS WITH A REMOVAL METHOD APPROVED BY LAKE CO. WHEN THE CONFLICT NO LONGER EXISTS THE CONTRACTOR SHALL RESTORE PAVEMENT MARKINGS TO THEIR ORIGINAL POSITION. BLACK PAINT IS NOT AN ACCEPTABLE METHOD FOR COVERING CONFLICTING PAVEMENT MARKINGS. COST SHALL BE INCLUDED IN PAY ITEM NO. 102-1, MAINTENANCE OF TRAFFIC.

8. THE CONTRACTOR SHALL, AT THE DISCRETION OF THE ENGINEER, OPEN ANY TEMPORARY LANE CLOSURE CAUSING EXTENDED TRAFFIC CONGESTION (15 MINUTE DELAY) UNTIL TRAFFIC HAS RETURNED TO AN ACCEPTABLE FLOW AS DETERMINED BY THE ENGINEER.

9. THE CONTRACTOR SHALL NOTIFY THE PUBLIC THROUGH MEDIA OUTLETS AND ALL LOCAL LAW ENFORCEMENT AGENCIES AND FIRE/EMS STATIONS OF TEMPORARY LANE CLOSURES DUE TO CONSTRUCTION. THE PUBLIC, THE LOCAL OPERATIONS CENTER AND THE DISTRICT PUBLIC INFORMATION OFFICE SHALL BE NOTIFIED ONE WEEK PRIOR TO THE START OF CONSTRUCTION. ANY PCMS NOTIFICATION SHALL BE DONE 24 TO 48 HOURS PRIOR TO CLOSURE.

10. A DISCUSSION OF LANE CLOSURE OPERATIONS WILL BE MADE PART OF ALL PRE-CONSTRUCTION CONFERENCES. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A WRITTEN PLAN WHICH DETAILS EACH ACTIVITY INVOLVED IN THE LANE CLOSURE. THE PLAN SHALL INCLUDE BACK-UP PLANS FOR ACTIVITIES CRITICAL TO REOPENING THE LANES TO TRAFFIC. THE BACK-UP PLAN SHALL INCLUDE BACK-UP FOR ALL SUBCONTRACTOR OPERATIONS AS WELL AS THE PRIME CONTRACTOR'S.

11. NO LANE CLOSURE WILL BE ALLOWED WITHOUT ABSOLUTE ASSURANCE THAT THE CONTRACTOR AND ITS SUBCONTRACTORS HAVE PLANNED THE OPERATIONS TO ACHIEVE REOPENING ACCORDING TO THE CONTRACT. AN EXAMPLE OF THE PROVISION WITHIN AN ACCEPTABLE BACK-UP PLAN WOULD INCLUDE THE CONTRACTOR CHOOSING TO HAVE TEMPORARY PAVEMENT MARKING TAPE ON HAND.

12. DURING PERIODS OF LANE CLOSURES THE CONTRACTOR SHALL PROVIDE A DEDICATED CREW FOR THE INSTALLATION, MAINTENANCE AND REMOVAL OF THE TRAFFIC CONTROL DEVICES (i.e., BARRICADES, SIGNS, ARROW BOARDS, ETC.). THIS CREW SHALL CONSIST OF AT LEAST THREE MEMBERS OF THE CONTRACTORS WORK FORCE WHOSE SOLE RESPONSIBILITY WILL BE THE MAINTENANCE OF TRAFFIC CONTROL. THE CONTRACTOR SHALL FURNISH A WORK VEHICLE TO AID IN MAINTAINING THE CONTROL DEVICES.

13. ALL LANES MUST REMAIN OPEN TO TRAFFIC DURING AN EVACUATION NOTICE OR OTHER EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVENT OR UNTIL DIRECTED BY THE ENGINEER. IN THE EVENT OF A HURRICANE OR OTHER EVACUATION NEEDS, THE CONTRACTOR, WHEN NOTIFIED BY THE ENGINEER, SHALL REMOVE OBSTRUCTIONS TO DRAINAGE AND WATER FLOW, AND ANY OTHER MEASURES REQUIRED BY THE ENGINEER.

14. ALL LANES ARE TO REMAIN OPEN DURING INACTIVE WORK PERIODS.

15. PORTABLE CHANGEABLE MESSAGE SIGNS ARE REQUIRED FOR LANE CLOSURES. THE PORTABLE CHANGEABLE MESSAGE SIGN SHALL MOVE WITH THE WORK ZONE. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL DISPLAY MESSAGE 14 DAYS PRIOR TO WORK BEGINNING.

16. WHENEVER CONSTRUCTION EQUIPMENT IS BEING DRIVEN OR TRANSPORTED ON OPEN TRAVEL LANES, THE CONTRACTOR SHALL UTILIZE INDEX 607 OR 619.

17. CONTRACTOR SHALL APPLY RPM'S FOR ALL TRANSITION AREAS SHOWN IN THE TEMPORARY TRAFFIC CONTROL PLANS ACCORDING TO INDEX 102-600.

18. MAINTENANCE OF TRAFFIC SIGNING AND BARRICADE LOCATIONS ARE APPROXIMATE AND MAY BE VARIED AS DEEMED NECESSARY BY THE ENGINEER TO AVOID STREETS, DRIVEWAYS OR OTHER CONFLICTS. MINIMUM SIGNING DISTANCES SHALL BE MAINTAINED DURING CONSTRUCTION.

19. WHEN A WORK AREA IS NOT ACTIVE, REMOVE ALL CONSTRUCTION EQUIPMENT, INCLUDING TRAFFIC CONTROL DEVICES, PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS, FLASHING ARROW BOARDS, ETC. TO A SAFE AREA OUTSIDE OF THE ROADWAY CLEAR ZONE. POST- MOUNTED ADVANCE WARNING SIGNS MAY REMAIN IN PLACE.

20. PROVIDE TO THE ENGINEER FOR APPROVAL, BOTH IN WRITTEN FORM AND WITH SKETCHES, THE PROPOSED METHOD OR ENTERING AND LEAVING THE CONSTRUCTION SITES DURING EACH PHASE. (SOIL TRACKING PREVENTION DEVICES SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER.)

21. CONTRACTOR SHALL MAKE PROVISIONS FOR CONSTRUCTION VEHICLES ACCESS TO THE WORK AREAS INCLUDING MATERIAL DELIVERY. LANE CLOSURES MAY BE WARRANTED FOR CERTAIN CONSTRUCTION VEHICLES TO ACCESS THE WORK AREAS. COORDINATE ALL ACCESS LOCATIONS WITH THE ENGINEER.

22. DO NOT OPERATE A BOOM, CRANE, OR BUCKET TRUCK ABOVE ACTIVE TRAFFIC UNLESS A LANE CLOSURE IS ACTIVATED. THE LANE CLOSURE SHALL BE IN ACCORDANCE WITH THE STANDARD INDEX.

23. ONLY MAJOR WORK ITEMS ARE NOTED IN THE PHASING NOTES. ALL OTHER ANCILLARY CONSTRUCTION (GRADING, SODDING, ETC.) IN THE WORK ZONE IS TO BE INCLUDED IN THE SAME PHASE AS THE ADJACENT ROADWAY, IF PRACTICAL.

24. IN AREAS OF LONG TERM CROSSOVERS, TRANSITIONS, AND ROUGH RIDING TANGENT SECTIONS, CONFLICTING EXISTING PAVEMENT MARKINGS ARE TO BE REMOVED BY MILLING AND OVERLAY.

25. USE INDEX 102-600 FOR TRAFFIC CONTROL TO INSTALL TEMPORARY/PERMANENT PAVEMENT MARKINGS AND PERFORM RESURFACING ACTIVITIES.

26. ALL TEMPORARY BARRIER WALLS WILL HAVE SLOT DRAIN SLOTS PER THE STANDARD INDEX UNLESS OTHERWISE NOTED.

27. ALL TEMPORARY CRASH CUSHIONS SHALL BE THE REDIRECTIVE OPTION. REFER TO NOTES FOR REGULATORY SPEEDS AND APPLY TO DETERMINE APPROPRIATE APPLICATION OF CRASH CUSHIONS. APPLY A REDIRECTIVE CRASH CUSHION ATTENUATOR TO THE APPROACHING END OF ALL TEMPORARY BARRIER WALLS.

28. FOR TEMPORARY CONSTRUCTION SIGNS LOCATED IN PAVED AREAS, PROVIDE TEMPORARY SIGN SUPPORT WHICH DOES NOT PENETRATE THE PAVEMENT.

29. ALL ROADSIDE SIGNS SHALL REMAIN CLEARLY VISIBLE TO TRAFFIC DURING CONSTRUCTION PERIODS.

30. ADVANCE WORK ZONE SIGNING TO BE IN ACCORDANCE WITH THE FDOT DESIGN STANDARDS.

    REGULATORY POSTED SPEEDS ARE TO BE GOVERNED BY EITHER EXISTING SIGNS, ADVANCED WORK ZONE SIGNING, TEMPORARY REGULATORY SIGNS, OR FINAL REGULATORY SIGNS DEPENDING ON THE PHASING.

31. CONTRACTOR WILL MAINTAIN THE INTEGRITY OF THE DRAINAGE SYSTEM THROUGHOUT CONSTRUCTION.

32. UPON COMPLETION OF THE PROJECT ALL PAVEMENT MARKINGS, DELINEATORS, RPM'S, AND SIGNS SHALL BE PLACED IN THEIR FINAL CONFIGURATION IN ACCORDANCE WITH THE SIGNING AND PAVEMENT MARKING PLANS.

33. THE CONTRACTOR IS TO MAINTAIN AND KEEP STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS.

34. ACCESS TO BUSINESS AND RESIDENTIAL DRIVEWAYS TO BE PROVIDED FOR AT ALL TIMES.

GENERAL NOTES

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LAKE COUNTY, FLORIDA

TRAFFIC CONTROL PLAN

SHEET NO. 65

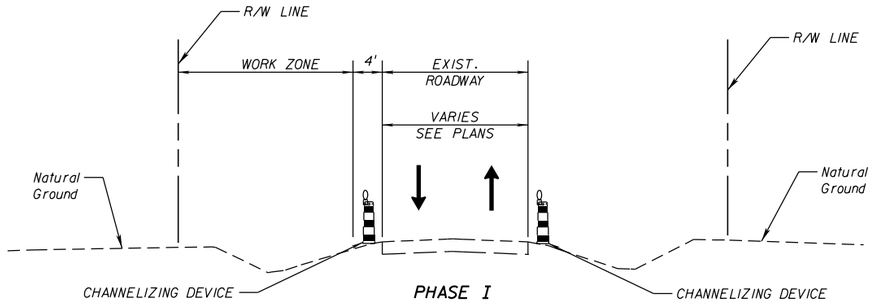
TEMPORARY TRAFFIC CONTROL PHASING NOTES:

PHASE I

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT AND CONSTRUCT TEMPORARY PAVEMENT USING TEMPORARY LANE CLOSURES. TEMPORARY PAVEMENT TO CONSIST OF: TYPE B STABILIZATION, OPTIONAL BASE GROUP 4, AND 2" OF SP STRUCTURAL COURSE (TRAFFIC C).

2. REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS AND INSTALL TEMPORARY SIGNING, PAVEMENT MARKINGS, AND TRAFFIC CONTROL DEVICES.

3. CONSTRUCTION OF TEMPORARY PAVEMENT TO INCLUDE 2,457 CY OF EMBANKMENT.



PHASE I
CR 466A
STA. 72+52.00 TO STA. 135+09.50

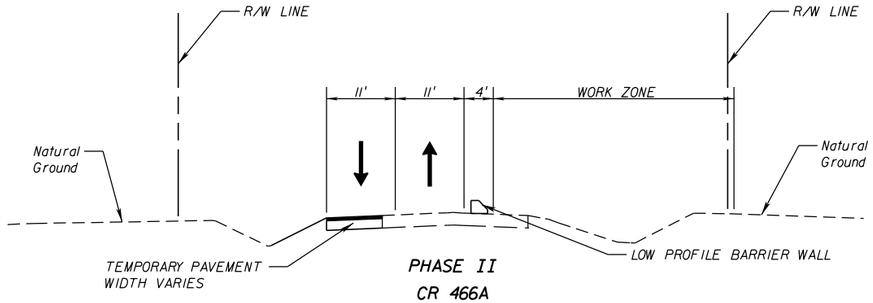
PHASE II

1. MAINTAIN TRAFFIC ON EXISTING AND TEMPORARY PAVEMENT.

2. CONSTRUCT POND 4, TRUNK LINE AND PARTIAL LATERALS (WORK IN REVERSE OF FLOW).

3. CONSTRUCT NEW EASTBOUND PAVEMENT (EXCLUDING FRICTION COURSE), CURB AND GUTTER, SIDEWALK, GRADING AND ANY OTHER WORK PRACTICAL WITHIN THE WORK ZONE FROM STA. 72+52.00 TO STA. 135+09.50.

4. INSTALL TEMPORARY SIGNING, PAVEMENT MARKINGS, AND TRAFFIC CONTROL DEVICES REQUIRED FOR PHASE III.



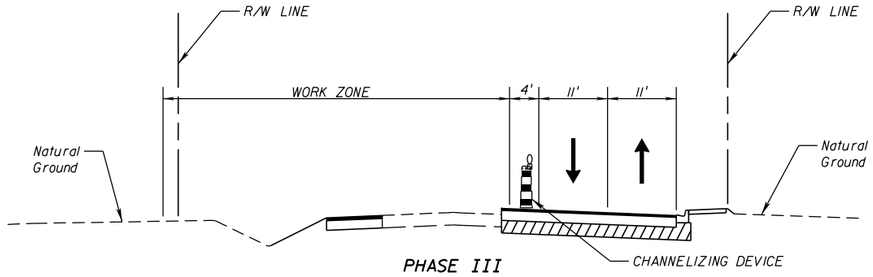
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STA. 72+52.00 TO STA. 135+09.50

PHASE III

1. SHIFT TRAFFIC FOR PHASE III TRAFFIC CONTROL.

2. CONSTRUCT NEW WESTBOUND PAVEMENT (EXCLUDING FRICTION COURSE), CURB AND GUTTER, SIDEWALK, GRADING, AND REMAINING REMAINING DRAINAGE FROM STA. 72+52.00 TO STA. 135+09.50.

3. INSTALL TEMPORARY SIGNING, PAVEMENT MARKINGS, AND TRAFFIC CONTROL DEVICES REQUIRED FOR PHASE IV.



PHASE III
CR 466A
STA. 69+16.96 TO STA. 137+52.23

PHASE IV

1. MAINTAIN TRAFFIC ON NEW PAVEMENT.

2. CONSTRUCT REMAINING MEDIAN ELEMENTS.

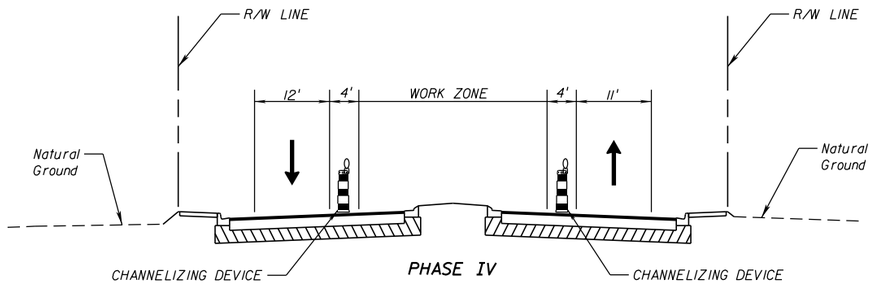
3. CONSTRUCT FRICTION COURSE USING TRAFFIC CONTROL MEASURES DESCRIBED IN THE FDOT STANDARD INDEX.

4. INSTALL PERMANENT RPM'S AND PAVEMENT MARKINGS.

5. REMOVE CONSTRUCTION SIGNING.

TEMPORARY DETOURS

TEMPORARY DETOURS CAN BE USED FOR CONSTRUCTION OF SIDESTREETS USING SIGNAGE PROVIDED IN DETOUR PLANS.



PHASE IV
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STA. 72+52.00 TO STA. 135+09.50

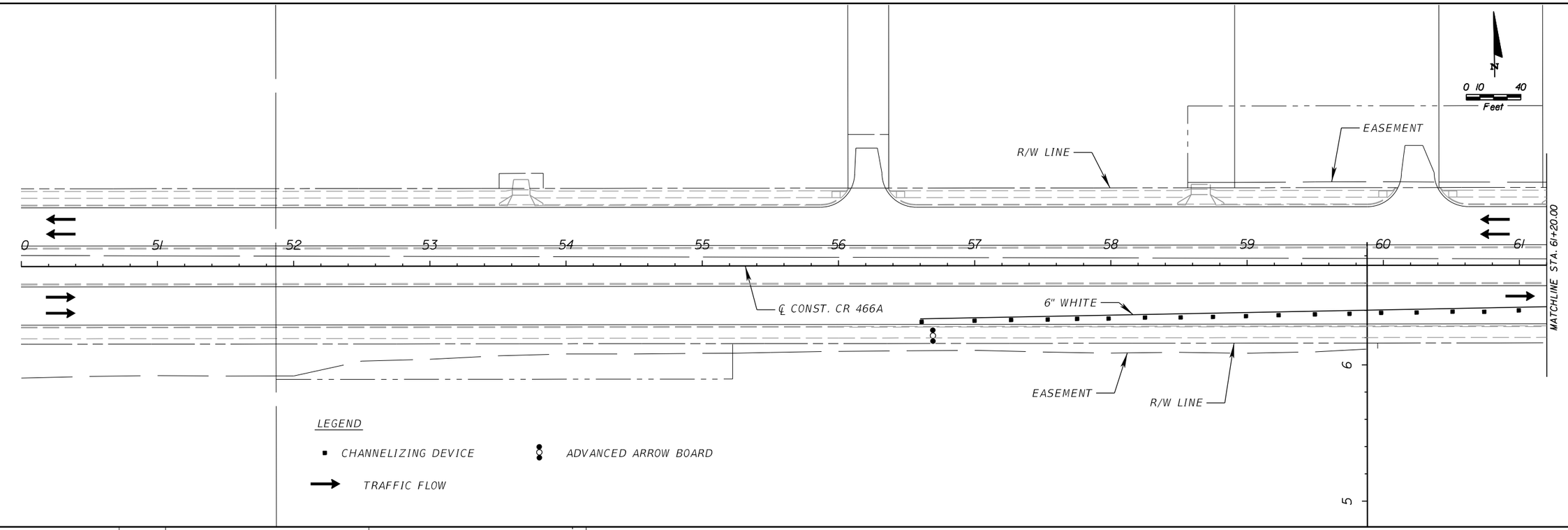
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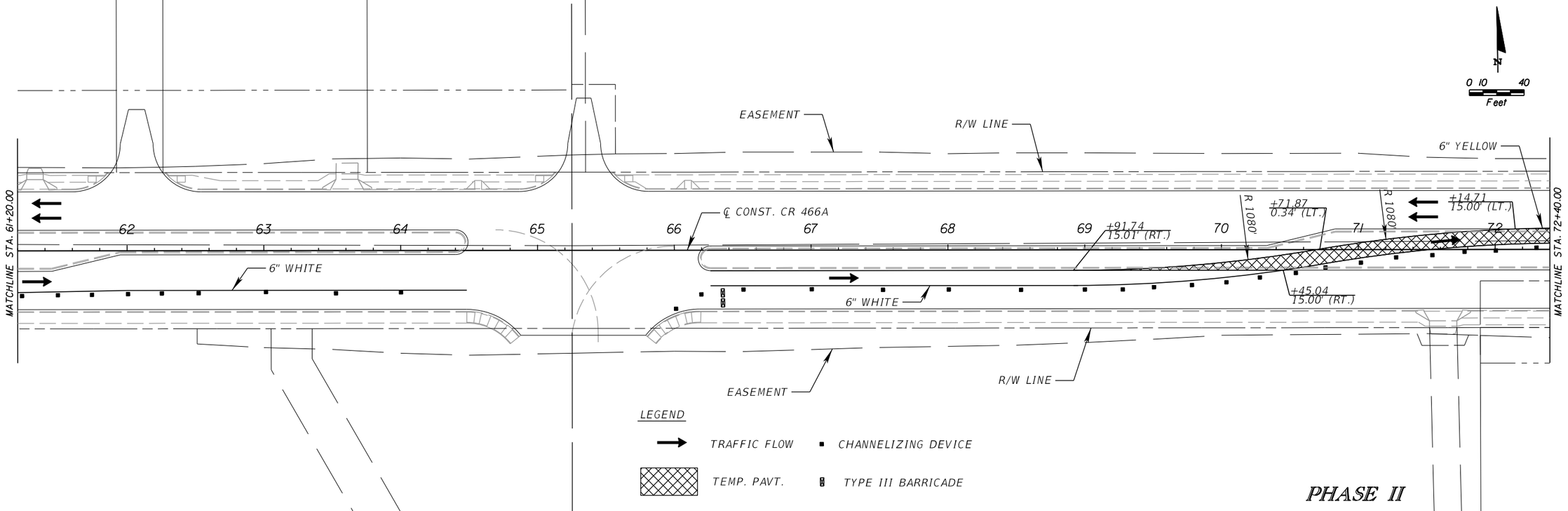
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LAKE COUNTY, FLORIDA

TRAFFIC CONTROL PLAN

SHEET NO.
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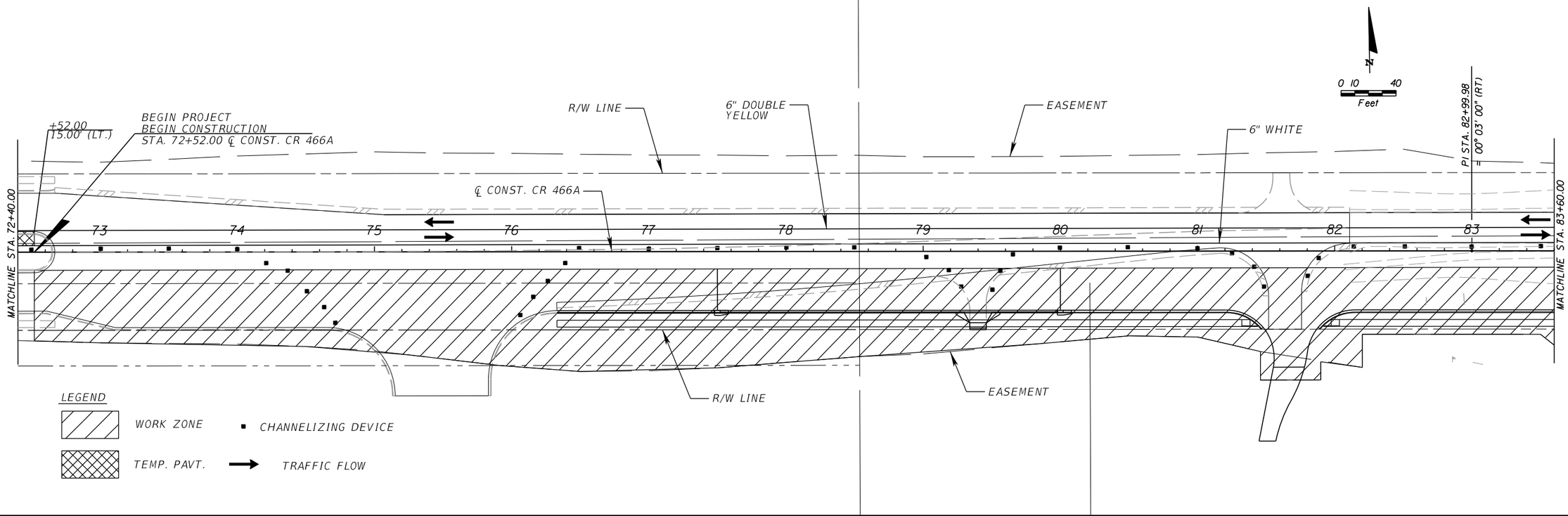
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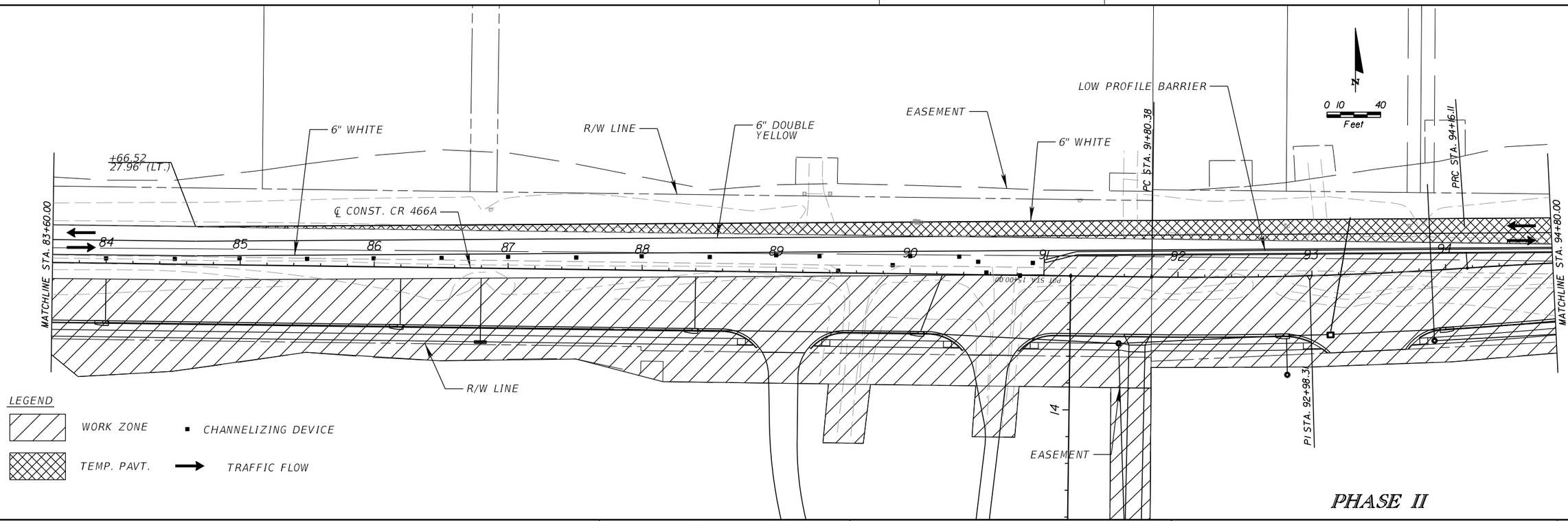
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LAKE COUNTY, FLORIDA

TRAFFIC CONTROL PLAN

SHEET NO. 67

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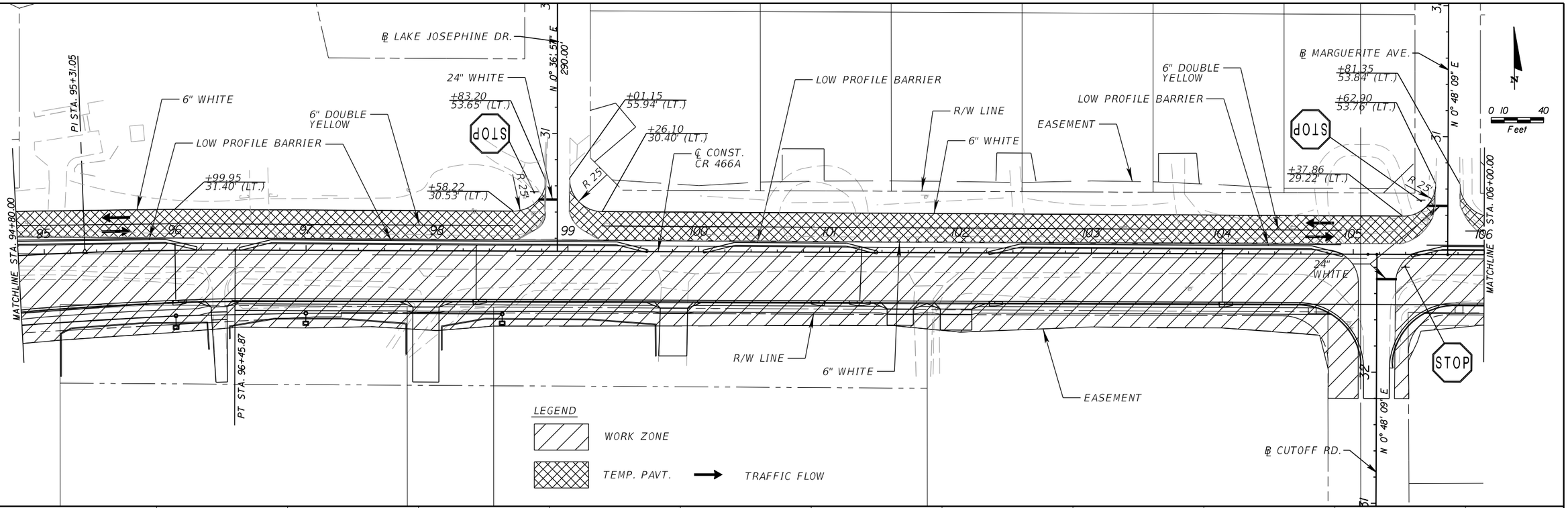
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Orlando, Florida 32801

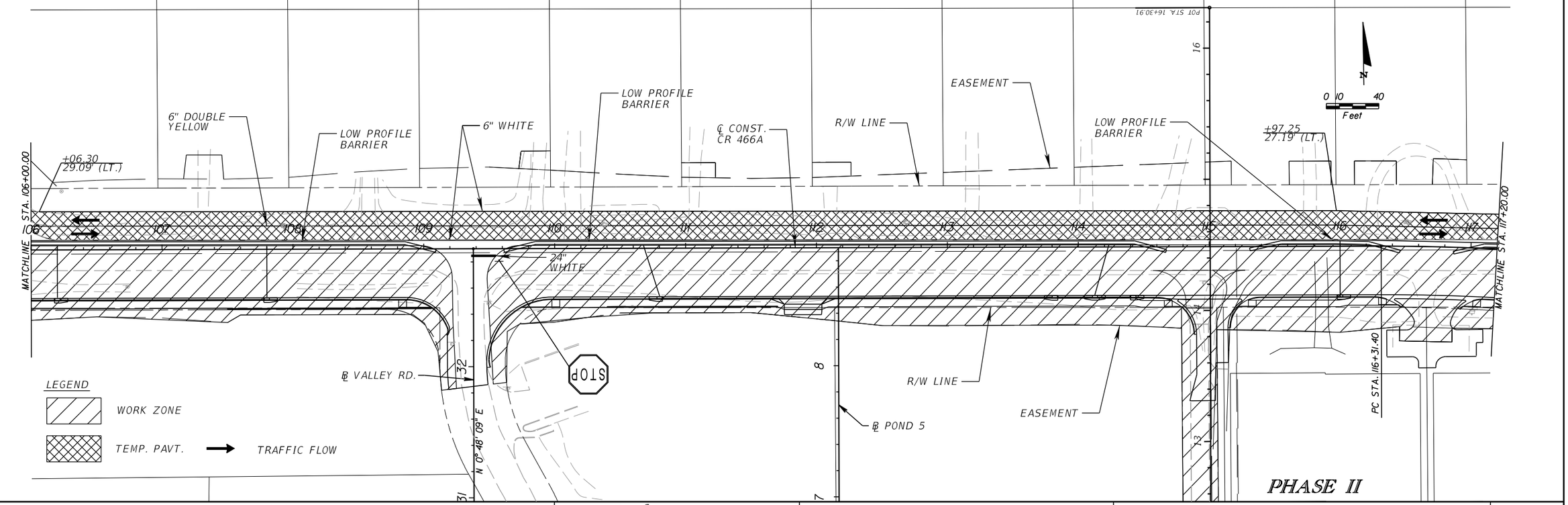
COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

TRAFFIC CONTROL PLAN

SHEET NO. 68

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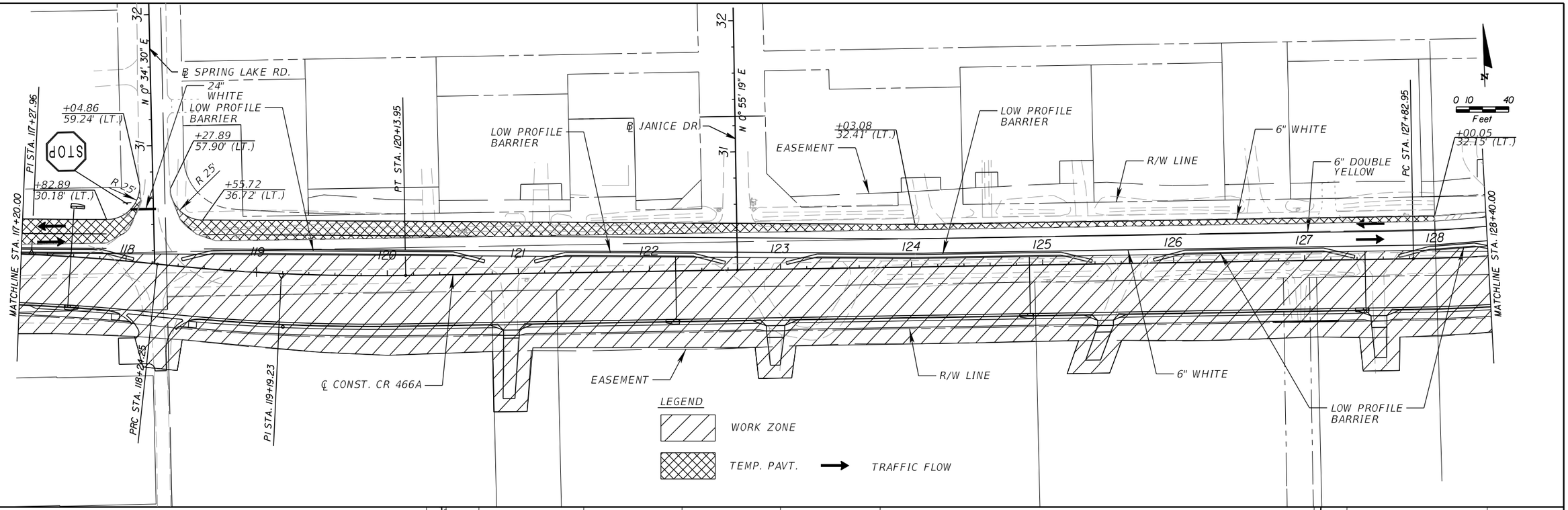
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Orlando, Florida 32801

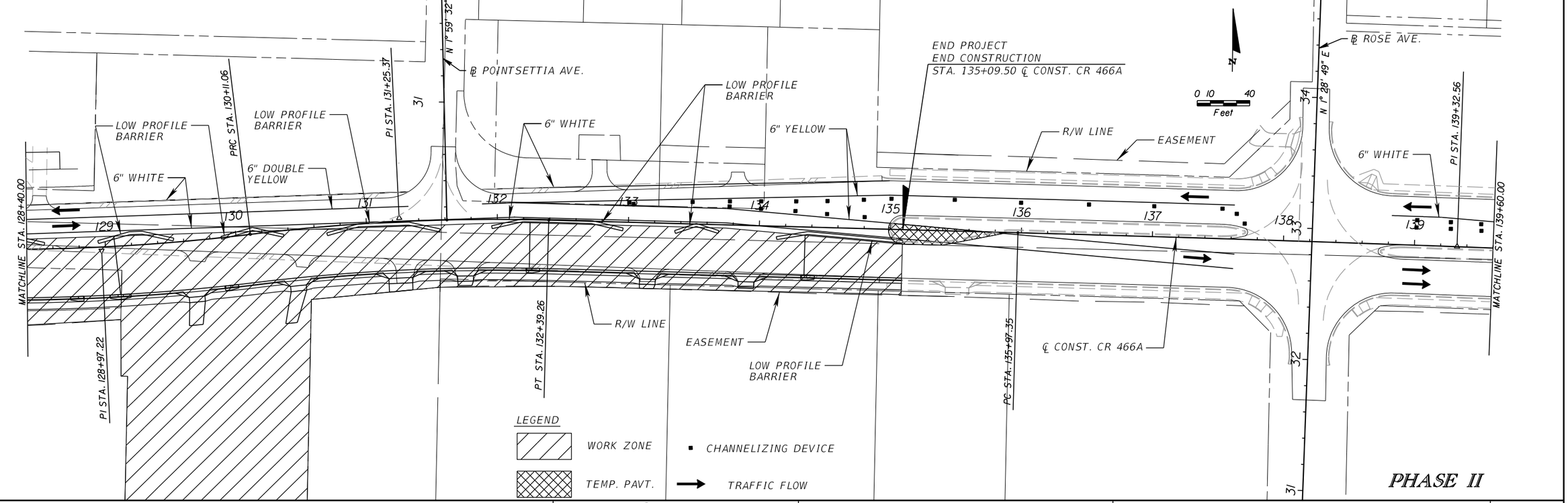
COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

TRAFFIC CONTROL PLAN

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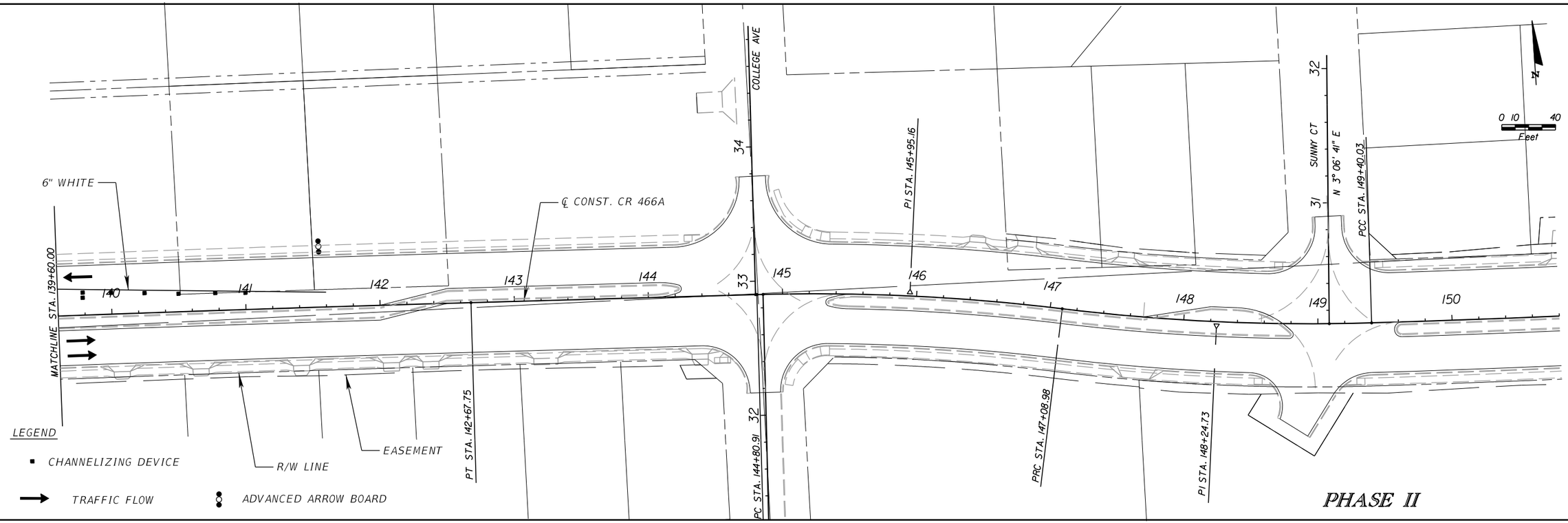
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TRAFFIC CONTROL PLAN

SHEET NO. 70

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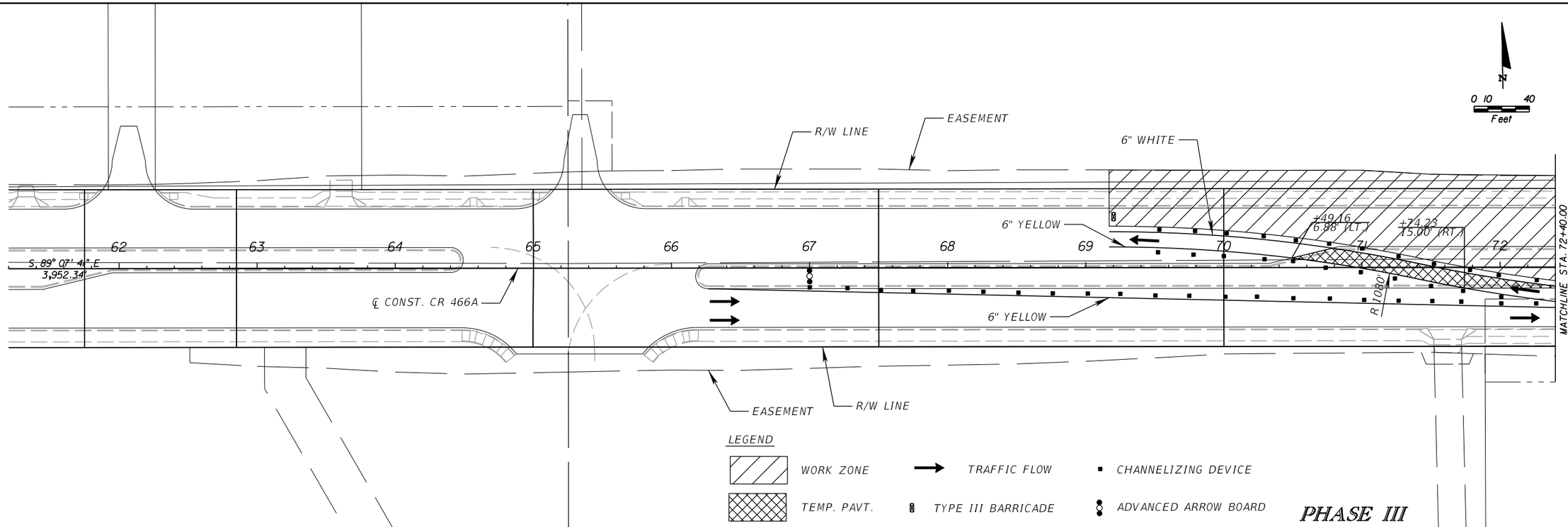
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TRAFFIC CONTROL PLAN

SHEET NO.
71

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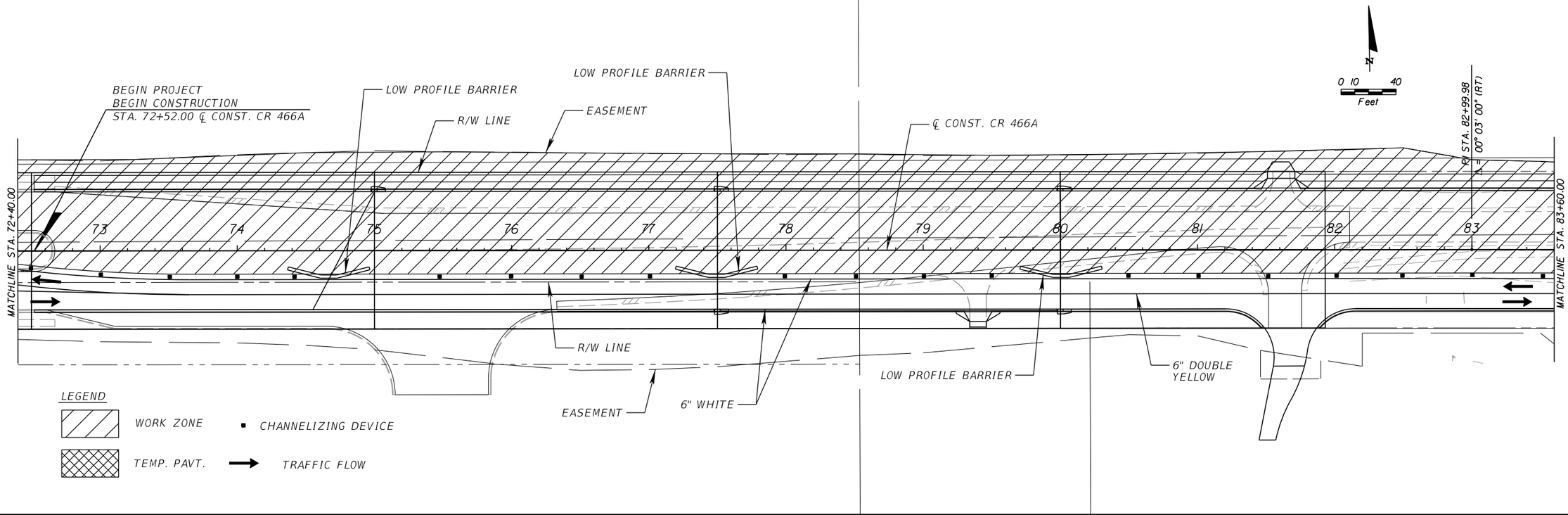
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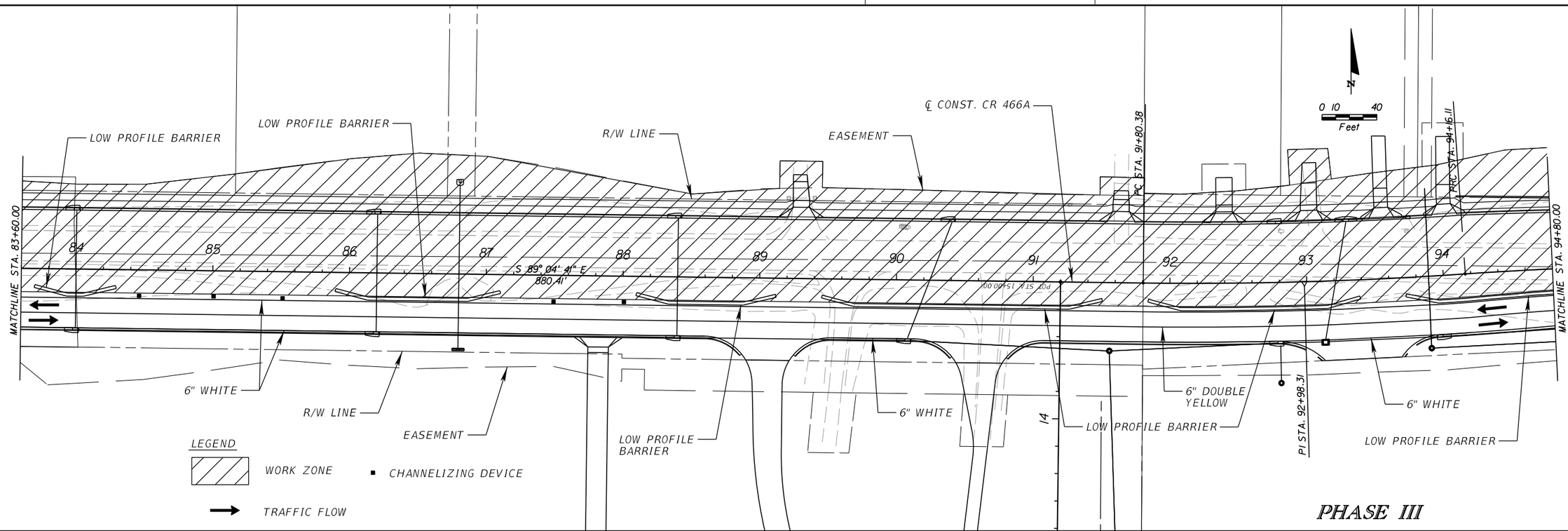
COUNTY ROAD 466A
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LAKE COUNTY, FLORIDA

TRAFFIC CONTROL PLAN

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PHASE III

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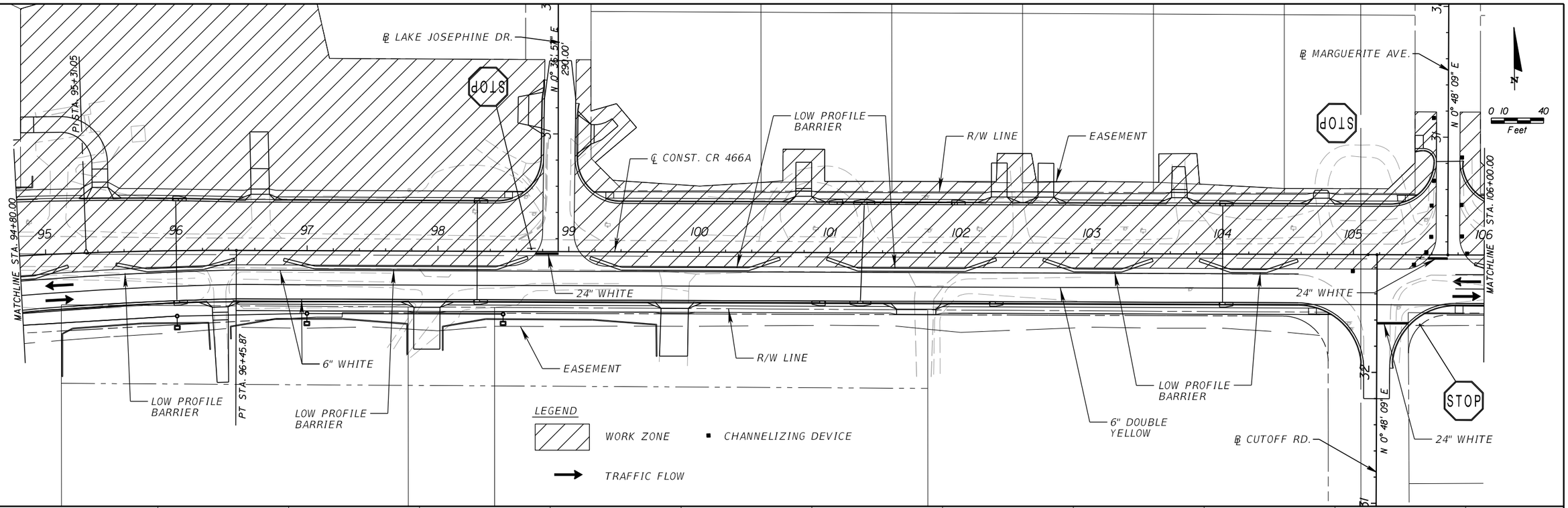
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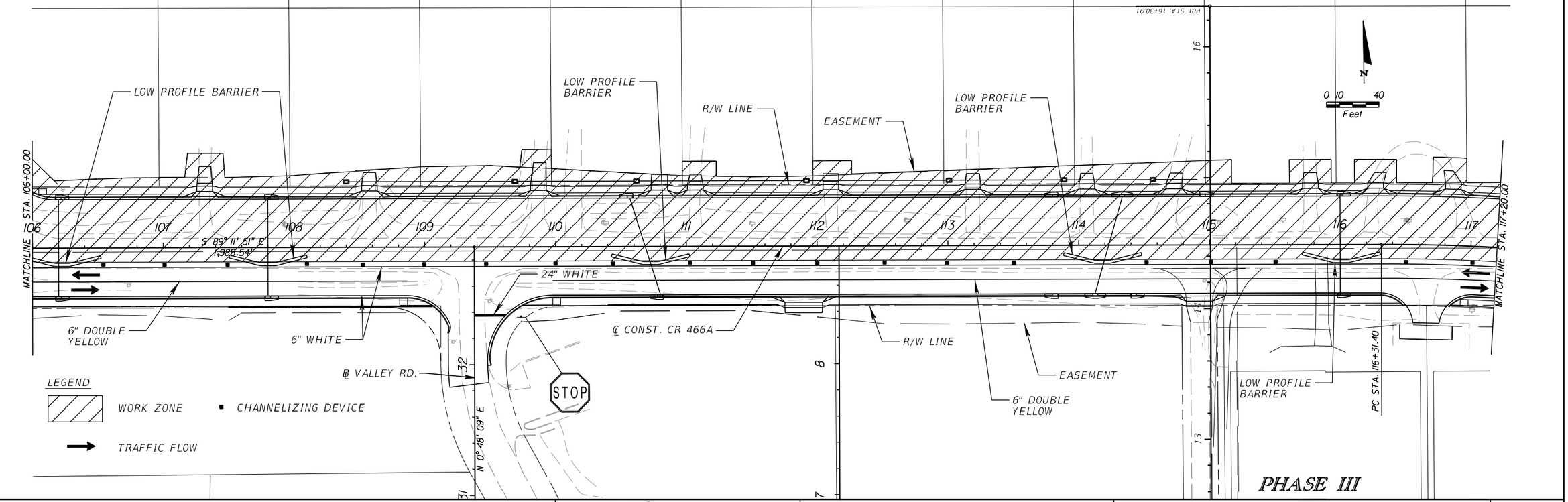
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TRAFFIC CONTROL PLAN

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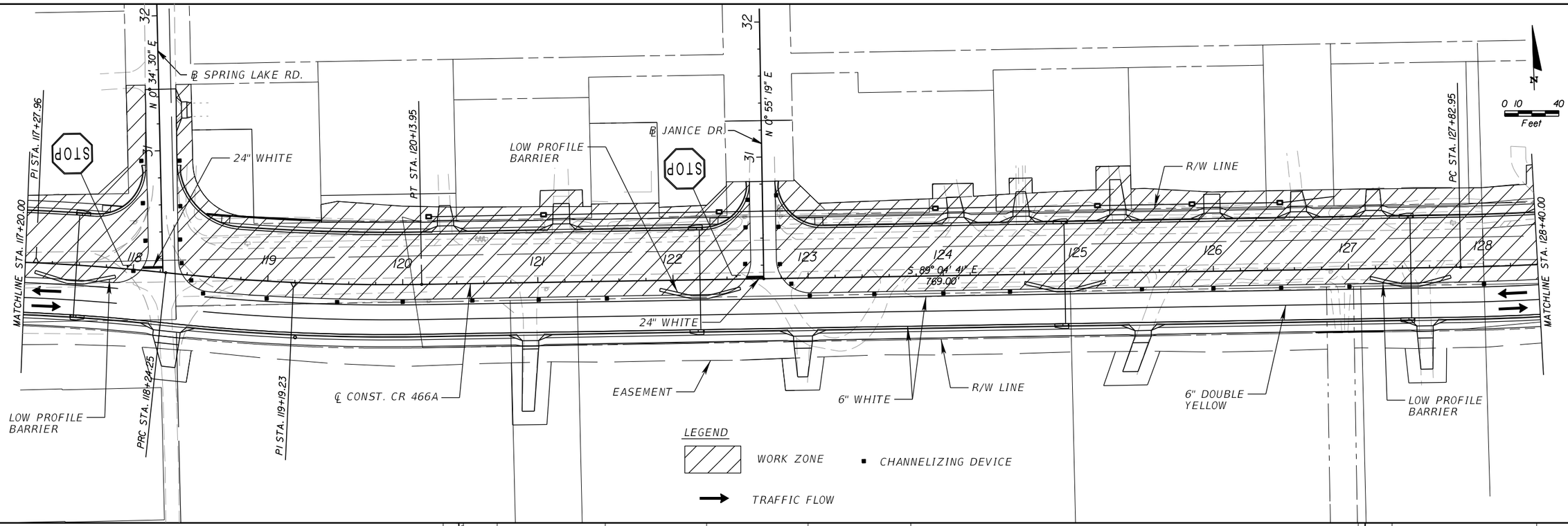
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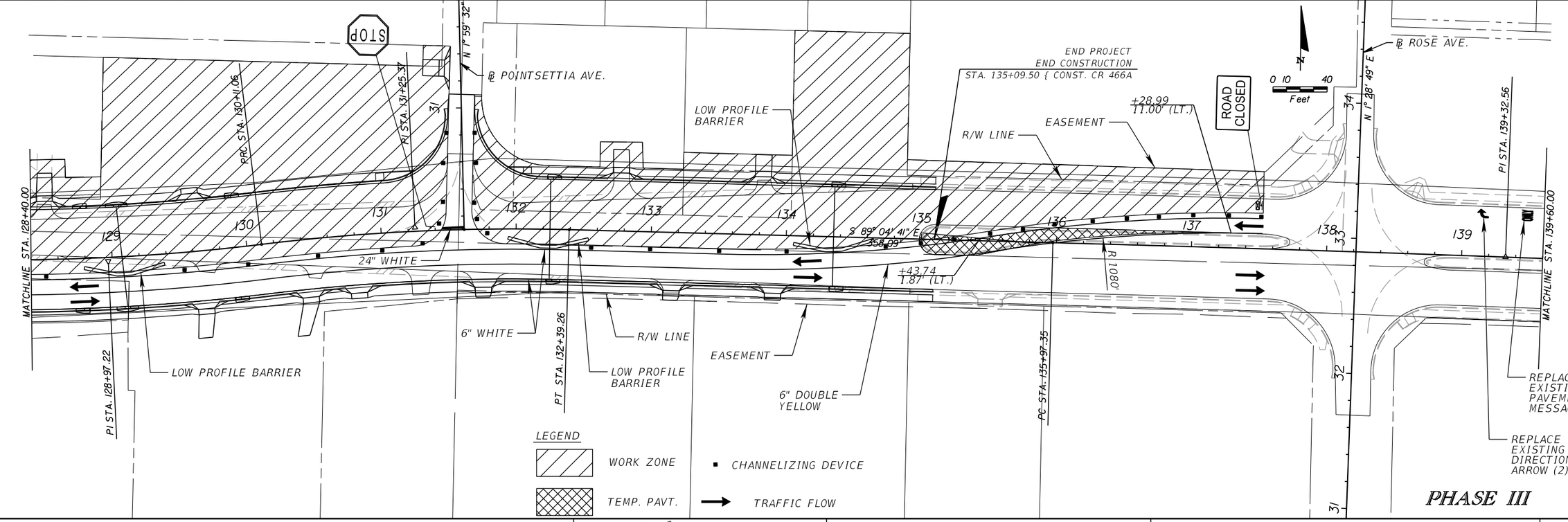
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LAKE COUNTY, FLORIDA

TRAFFIC CONTROL PLAN

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PHASE III

REVISIONS					
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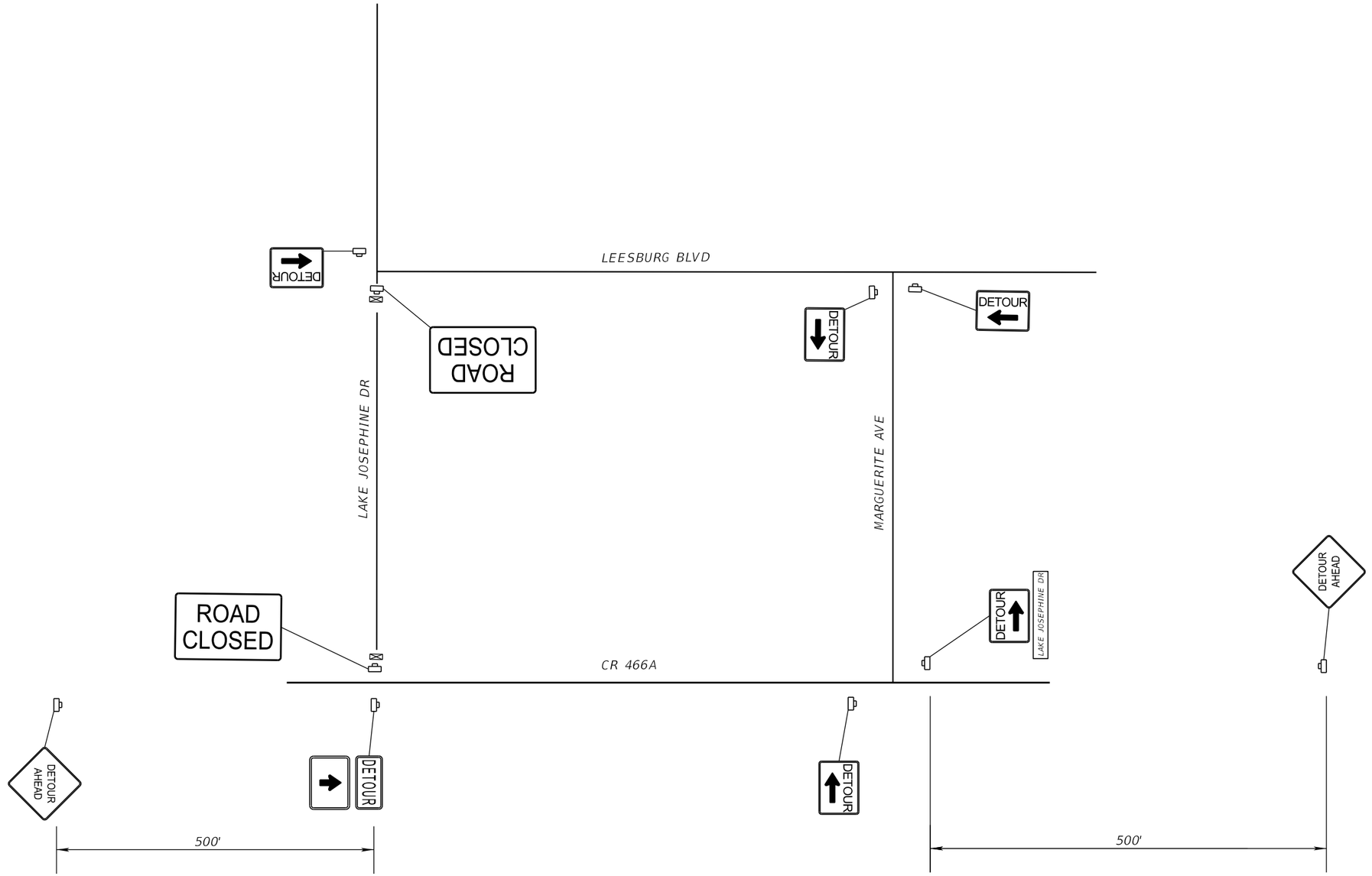
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TRAFFIC CONTROL PLAN

SHEET NO. 75

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LAKE JOSEPHINE DR NORTH DETOUR

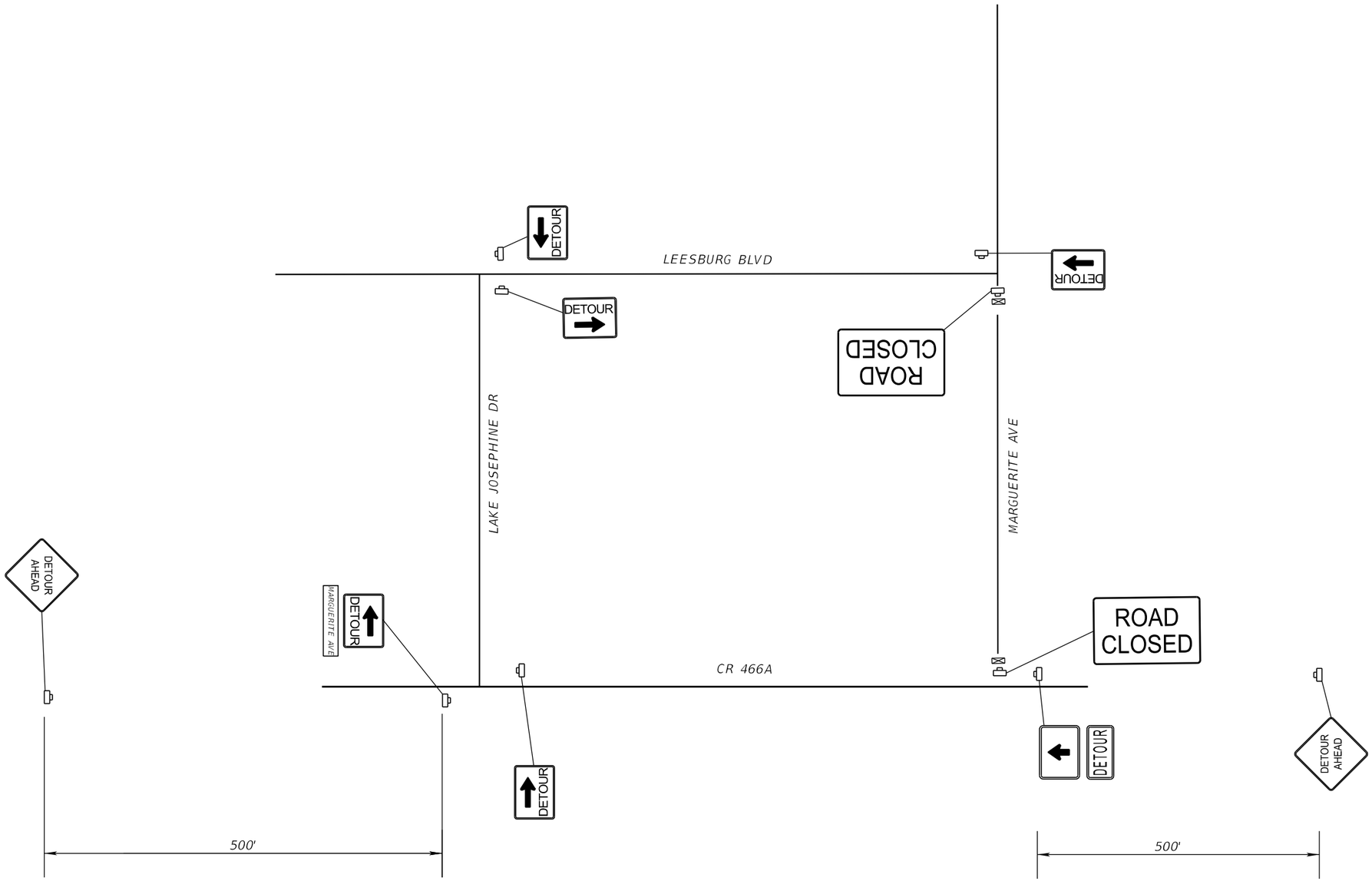
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TRAFFIC CONTROL PLAN

SHEET NO. 76



MARGUERITE AVE NORTH DETOUR

REVISIONS					
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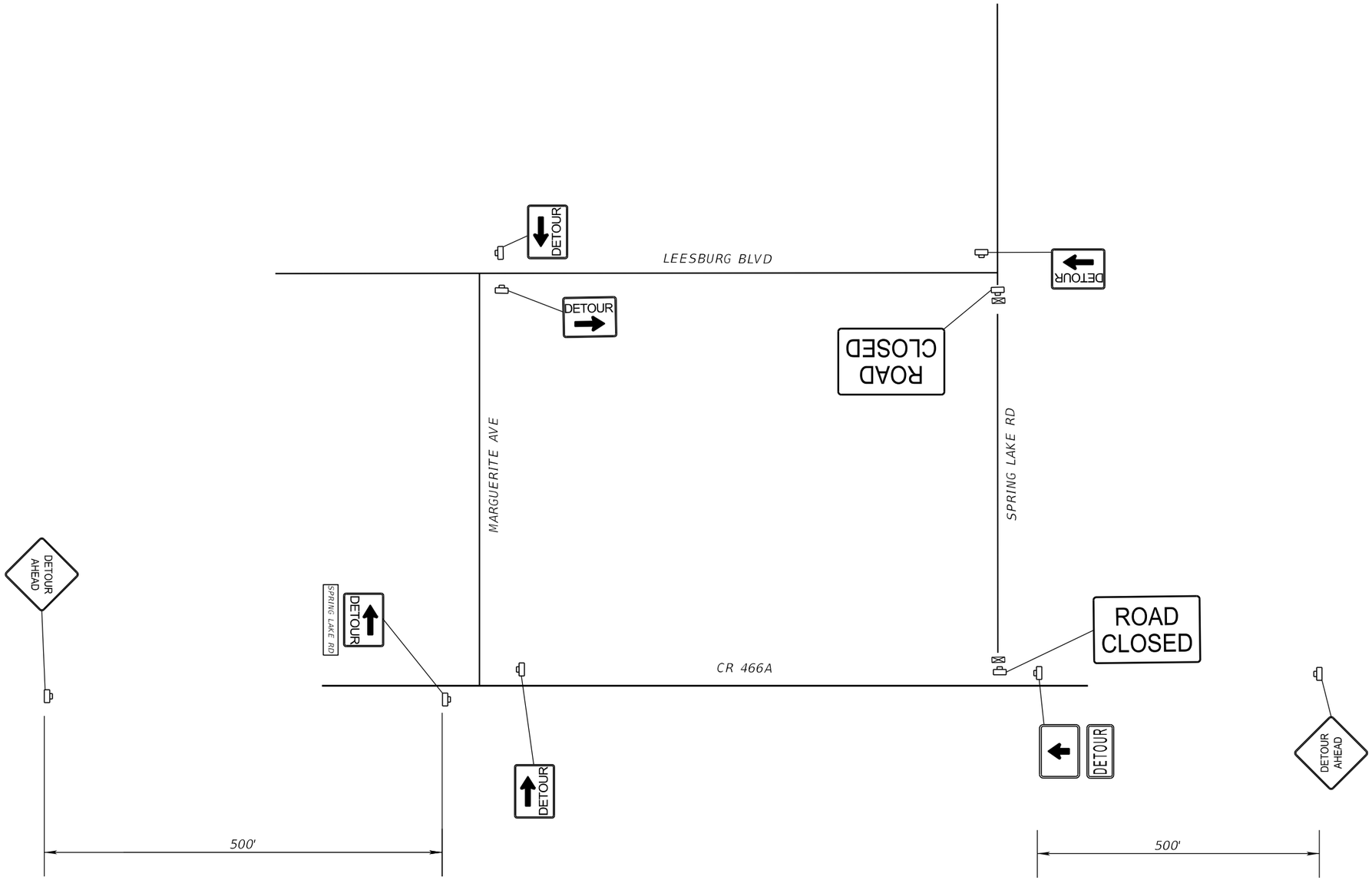
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TRAFFIC CONTROL PLAN

SHEET NO.
77

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SPRING LAKE RD NORTH DETOUR

REVISIONS					
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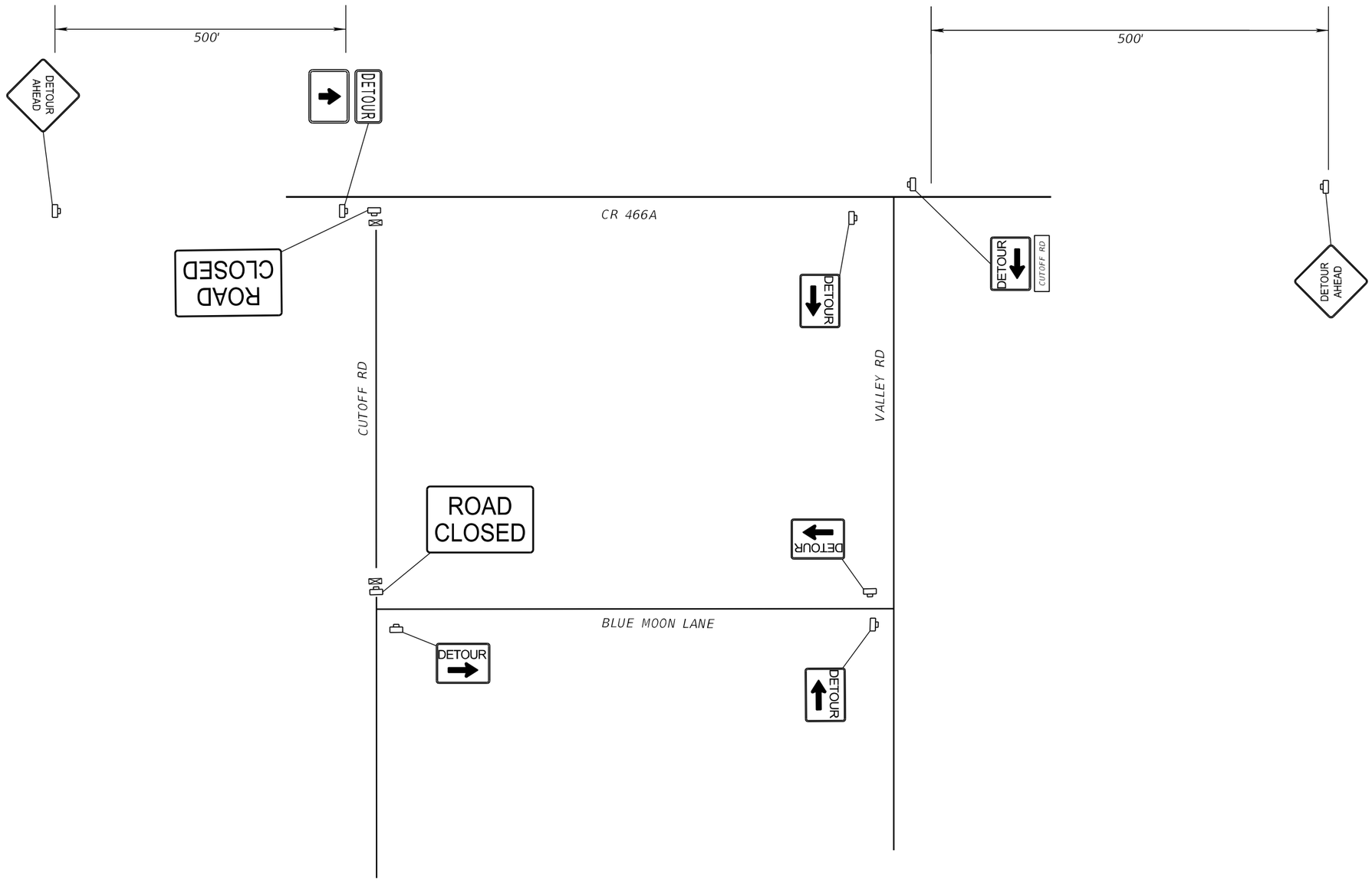
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LAKE COUNTY, FLORIDA

TRAFFIC CONTROL PLAN

SHEET NO. 78

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CUTOFF RD SOUTH DETOUR

REVISIONS					
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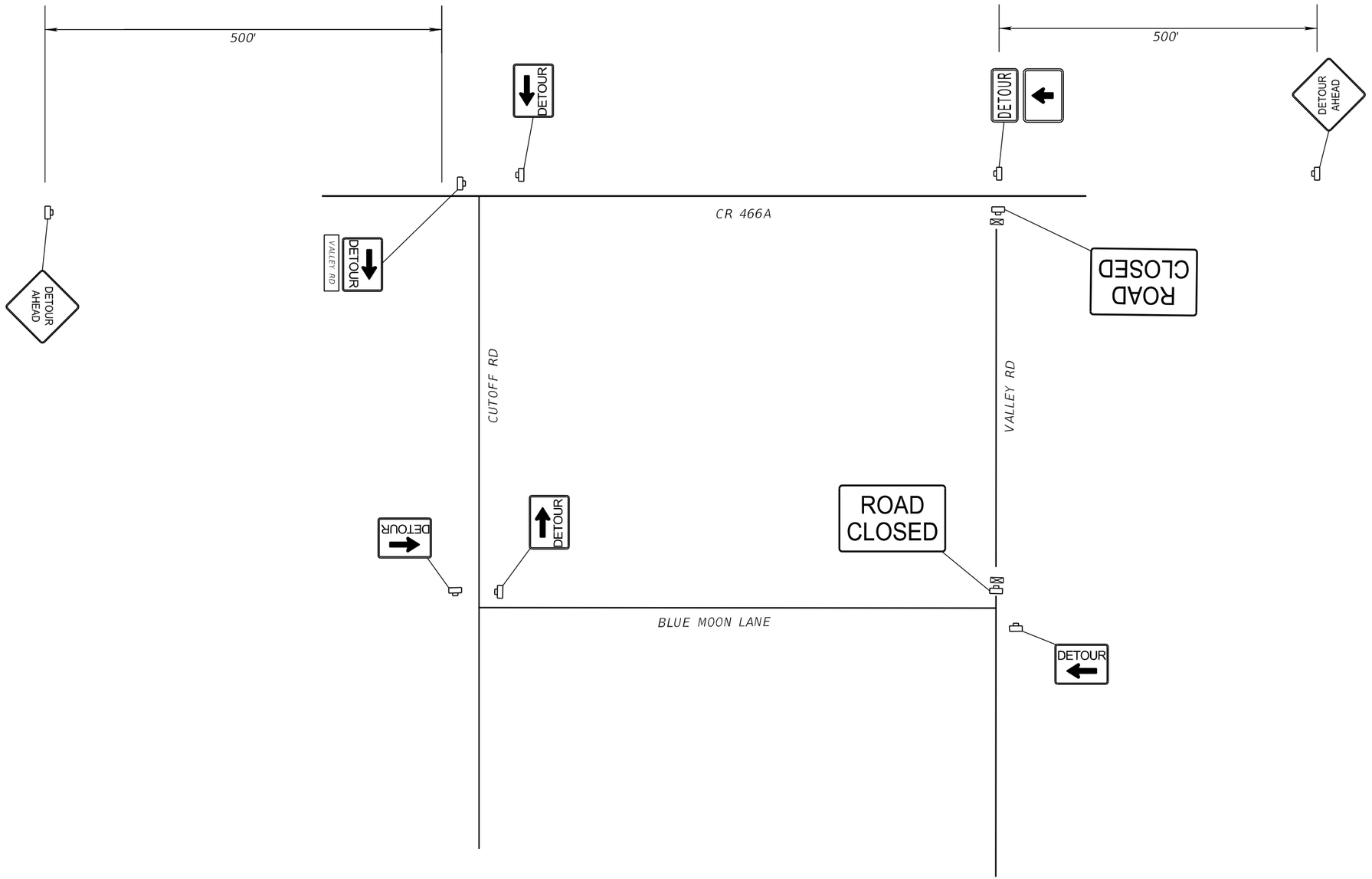
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COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

TRAFFIC CONTROL PLAN

SHEET NO.
79

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VALLEY RD SOUTH DETOUR

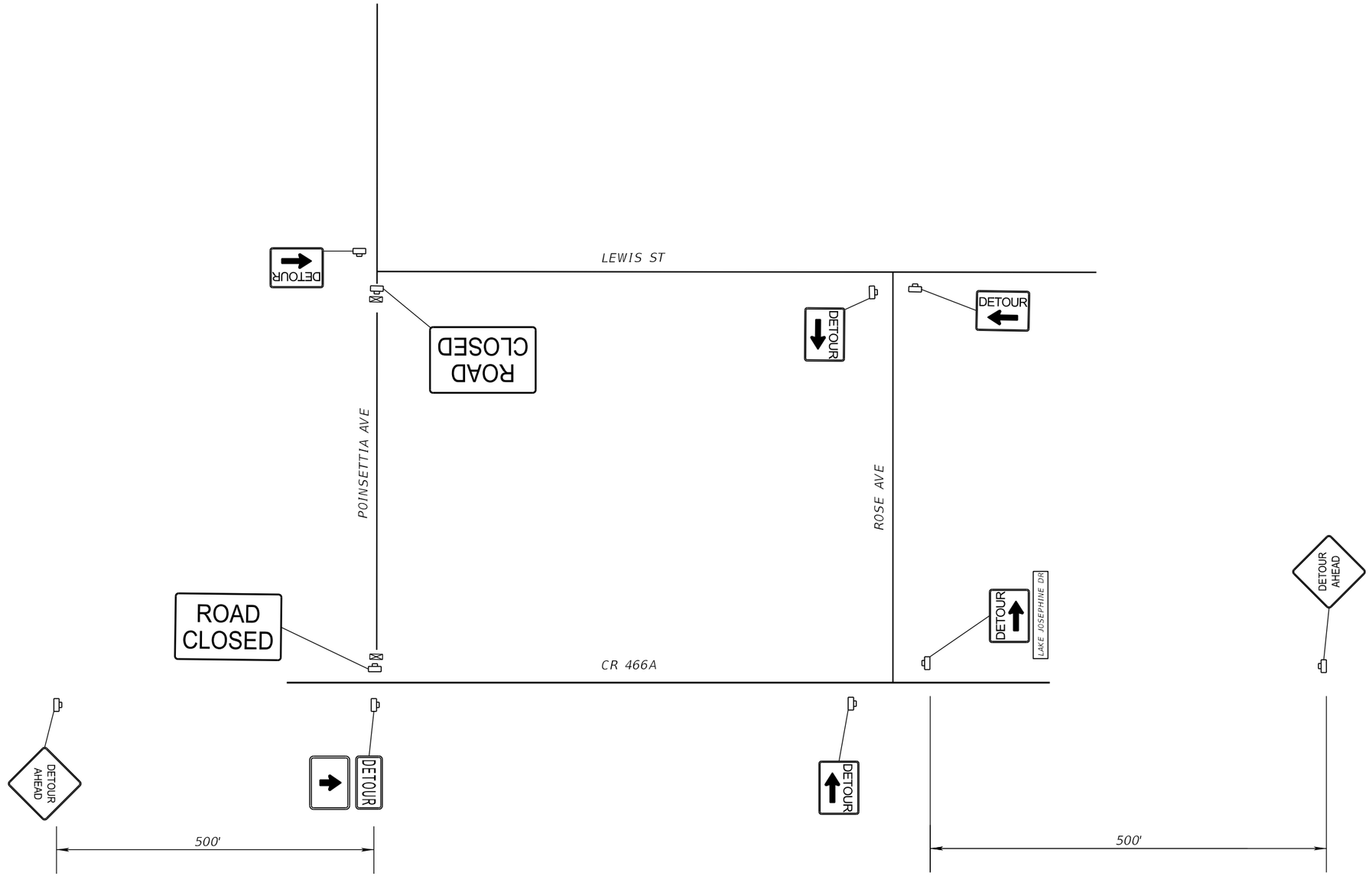
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LAKE COUNTY, FLORIDA

TRAFFIC CONTROL PLAN

SHEET NO.
80



POINSETTIA AVE NORTH DETOUR

REVISIONS					
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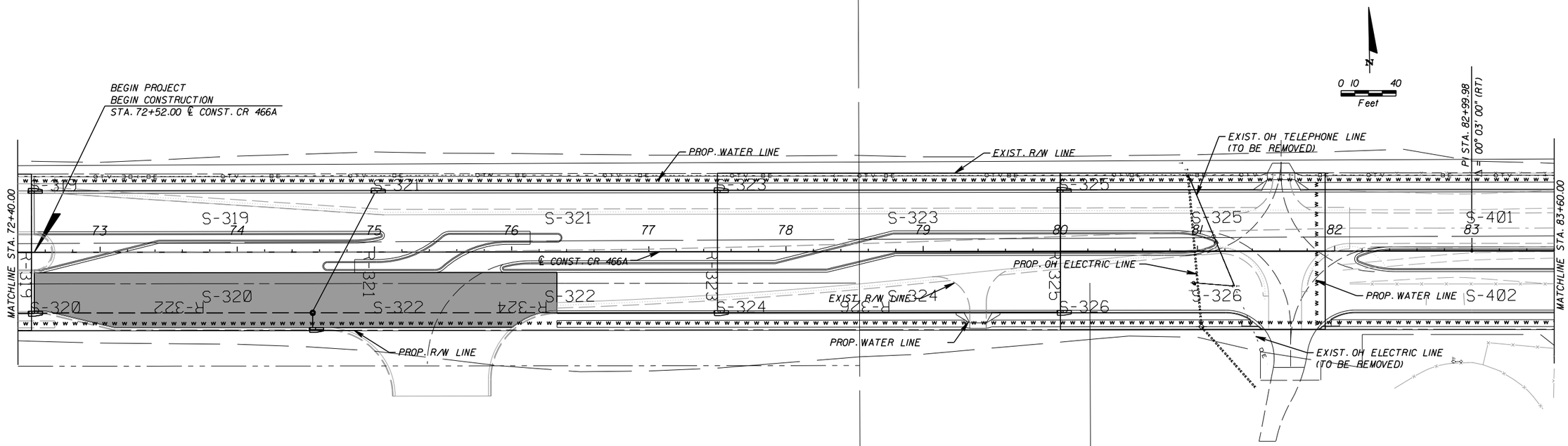
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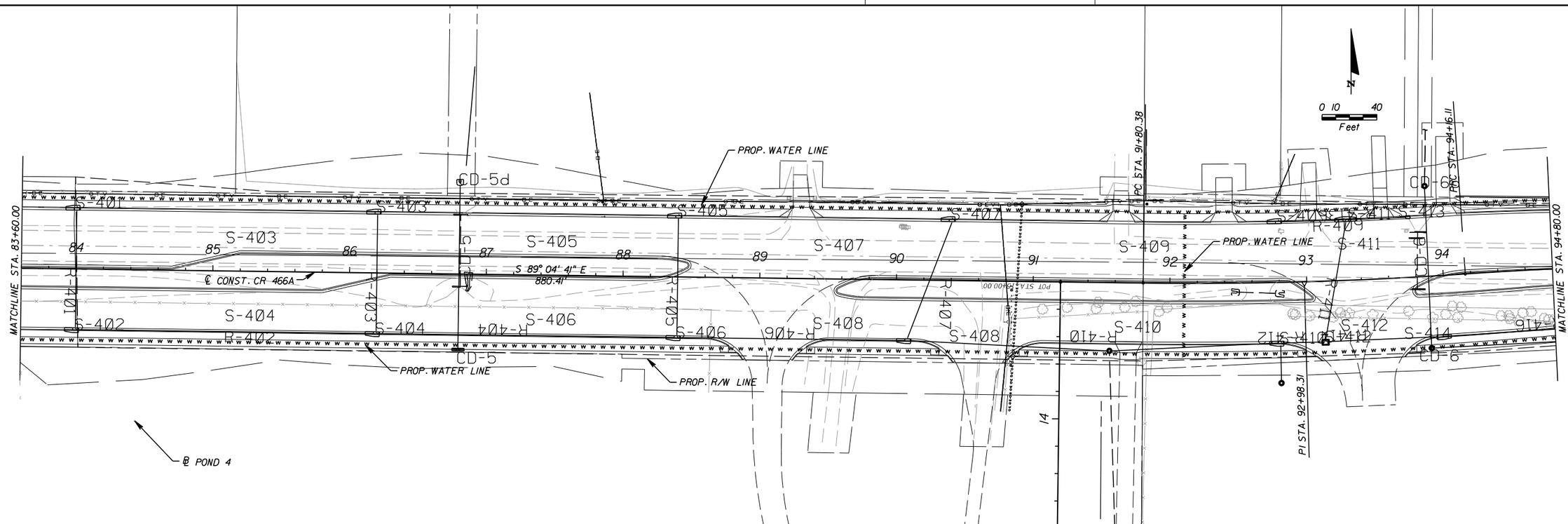
COUNTY ROAD 466A
PHASE 3B
LAKE COUNTY, FLORIDA

TRAFFIC CONTROL PLAN

SHEET NO.
81

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COUNTY ROAD 466A
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LAKE COUNTY, FLORIDA

UTILITY ADJUSTMENT PLAN (01)

SHEET NO.
82

Spencer.Edwards 12/20/2022 12:37:44 PM K:\ORL_Roadway\049473002_Phase3B\049473002\roadway\Utility Adjustment\utaduw01.dgn

℄ LAKE JOSEPHINE DR.

N 0° 36' 57" E 290.00'

PI STA. 95+31.05

PROP. OH ELECTRIC

OH CABLE (TO BE REMOVED)

PROP. OH ELECTRIC

PROP. WATER LINE

℄ MARGUERITE AVE.

N 0° 48' 09" E

EXIST. OH ELECTRIC (TO BE REMOVED)

PROP. OH ELECTRIC

0 10 40 Feet

MATCHLINE STA. 94+80.00

S-413 S-414 S-415 S-416 S-417 S-418 S-419 S-420 S-421 S-422 S-423 S-424 S-425 S-426

R-415 R-418 R-420 R-424 R-425 R-426 R-428

95 96 97 98 99 100 101 102 103 104 105

MATCHLINE STA. 106+00.00

PROP. OH ELECTRIC

℄ CONST. CR 466A

PROP. OH ELECTRIC

PROP. WATER LINE

PROP. R/W LINE

PT STA. 96+45.87

PROP. WATER LINE

℄ CUTOFF RD.

N 0° 48' 09" E

POT STA. 16+30.91

0 10 40 Feet

MATCHLINE STA. 106+00.00

S-427 S-428 S-429 S-430 S-431 S-432 S-433 S-434 S-435 S-436 S-437 S-438 S-439 S-440

R-427 R-430 R-431 R-433 R-434 R-435 R-436 R-439 R-440 R-442

106 107 108 109 110 111 112 113 114 115 116 117

CD-7

MATCHLINE STA. 117+20.00

EXIST. R/W LINE

S 89° 11' 51" E 1,985.54'

℄ CONST. CR 466A

EXIST. R/W LINE

PROP. R/W LINE

PC STA. 116+31.40

℄ VALLEY RD.

N 0° 48' 09" E

℄ POND 5

REVISIONS					
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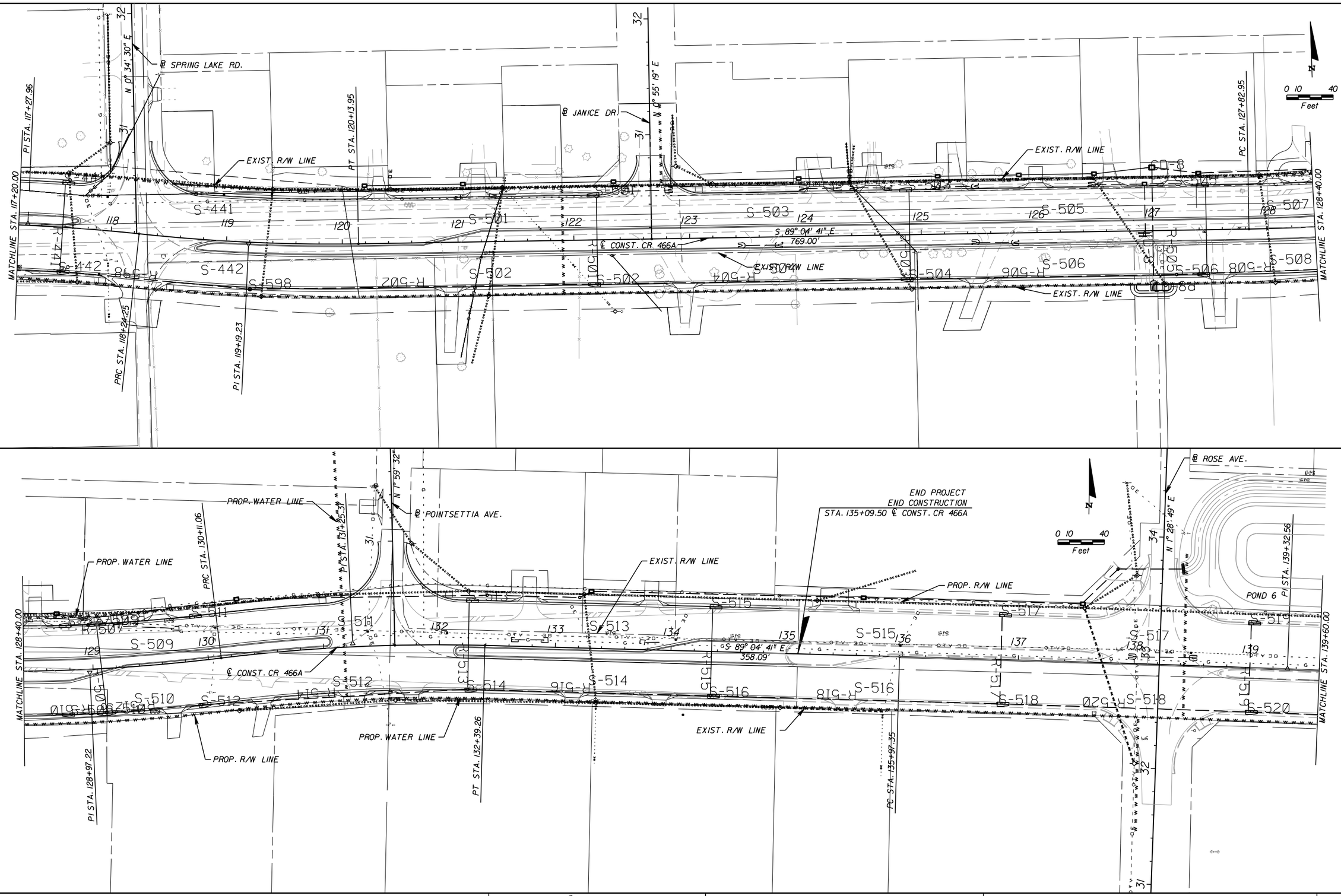
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UTILITY ADJUSTMENT PLAN (02)

SHEET NO. 83

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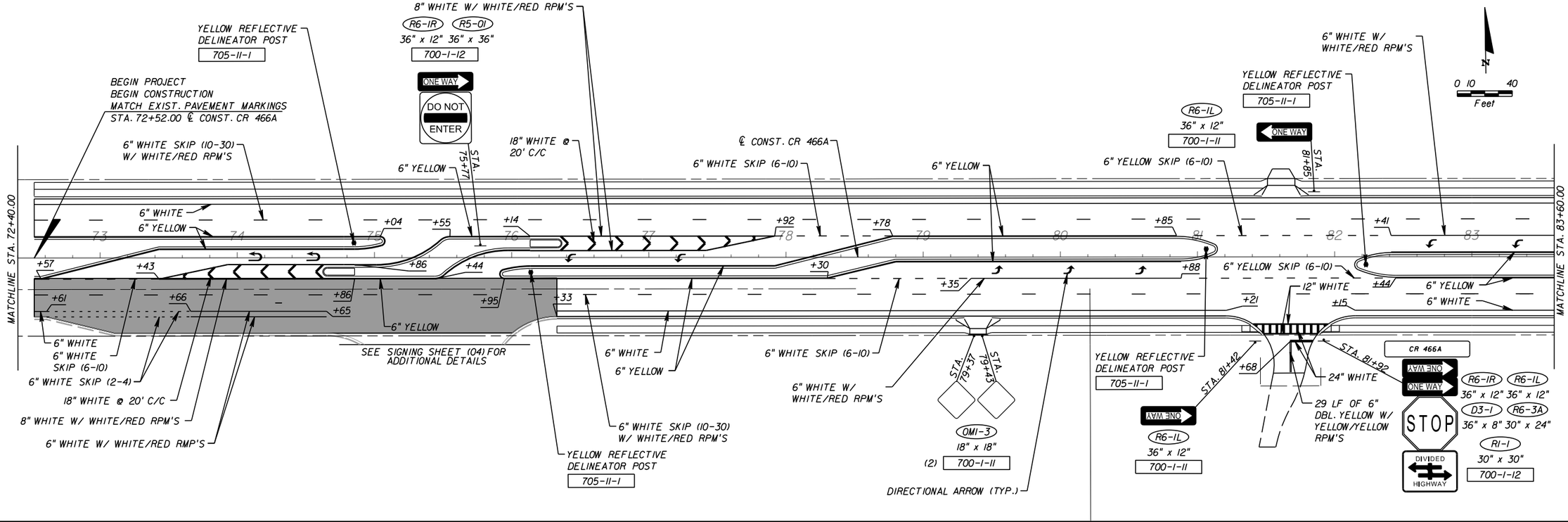
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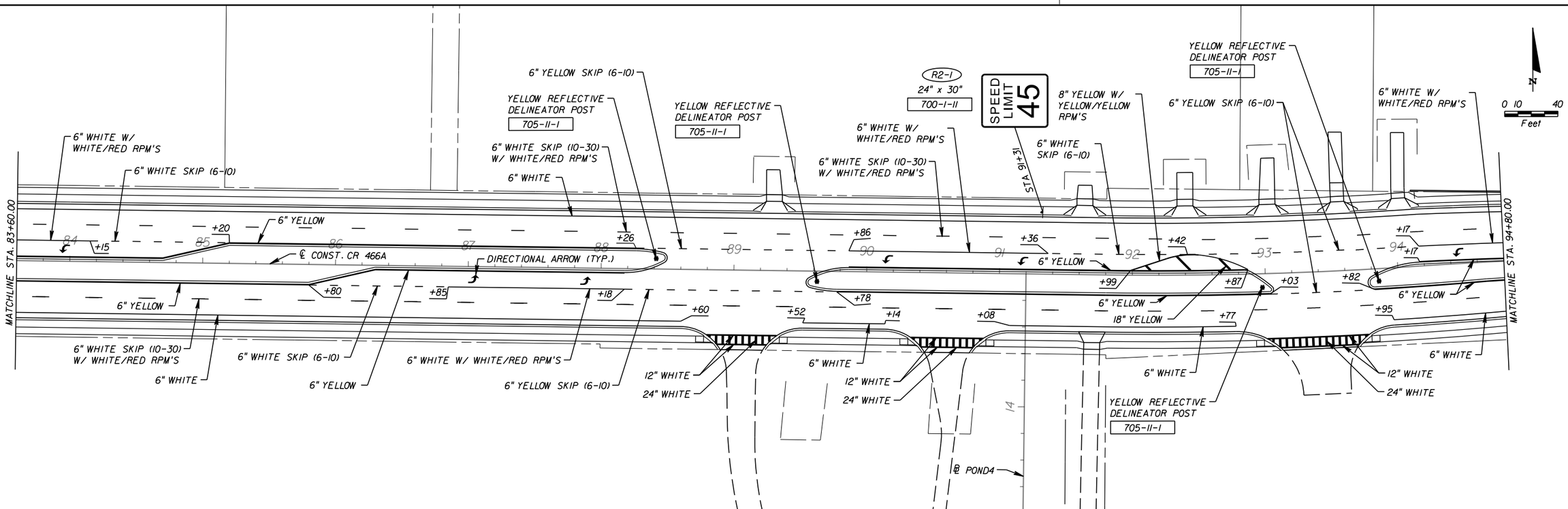
COUNTY ROAD 466A
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UTILITY ADJUSTMENT PLAN (03)

SHEET NO. 84

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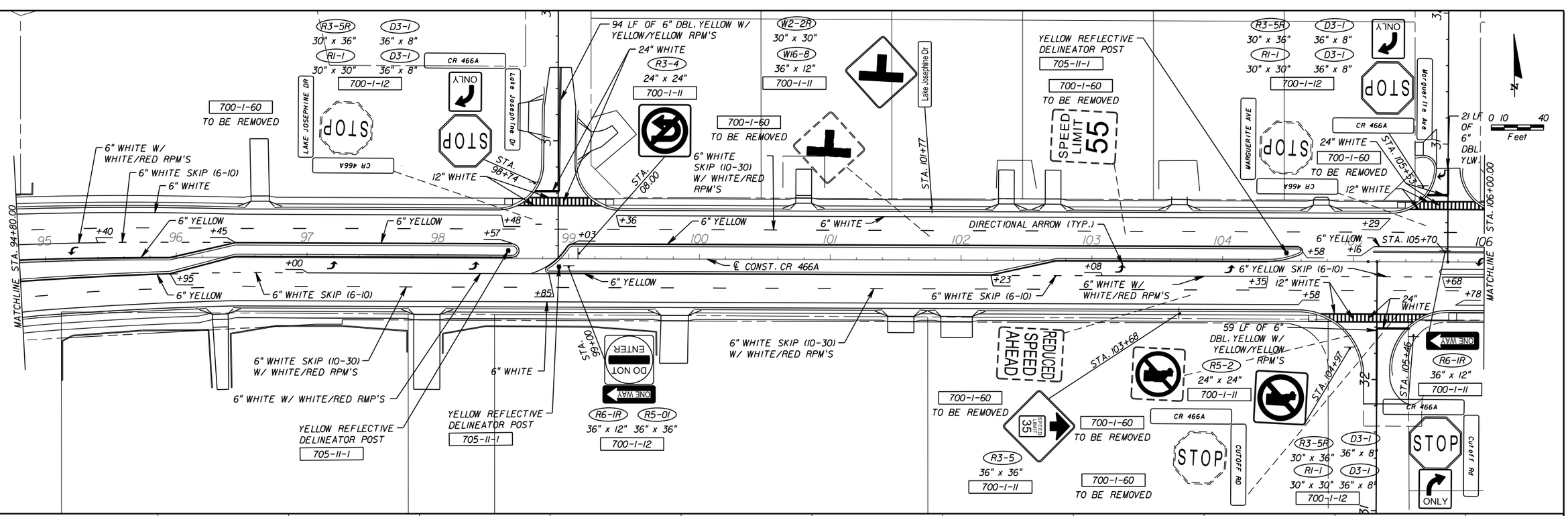
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SIGNING & PAVEMENT MARKING PLAN (01)

SHEET NO. 85

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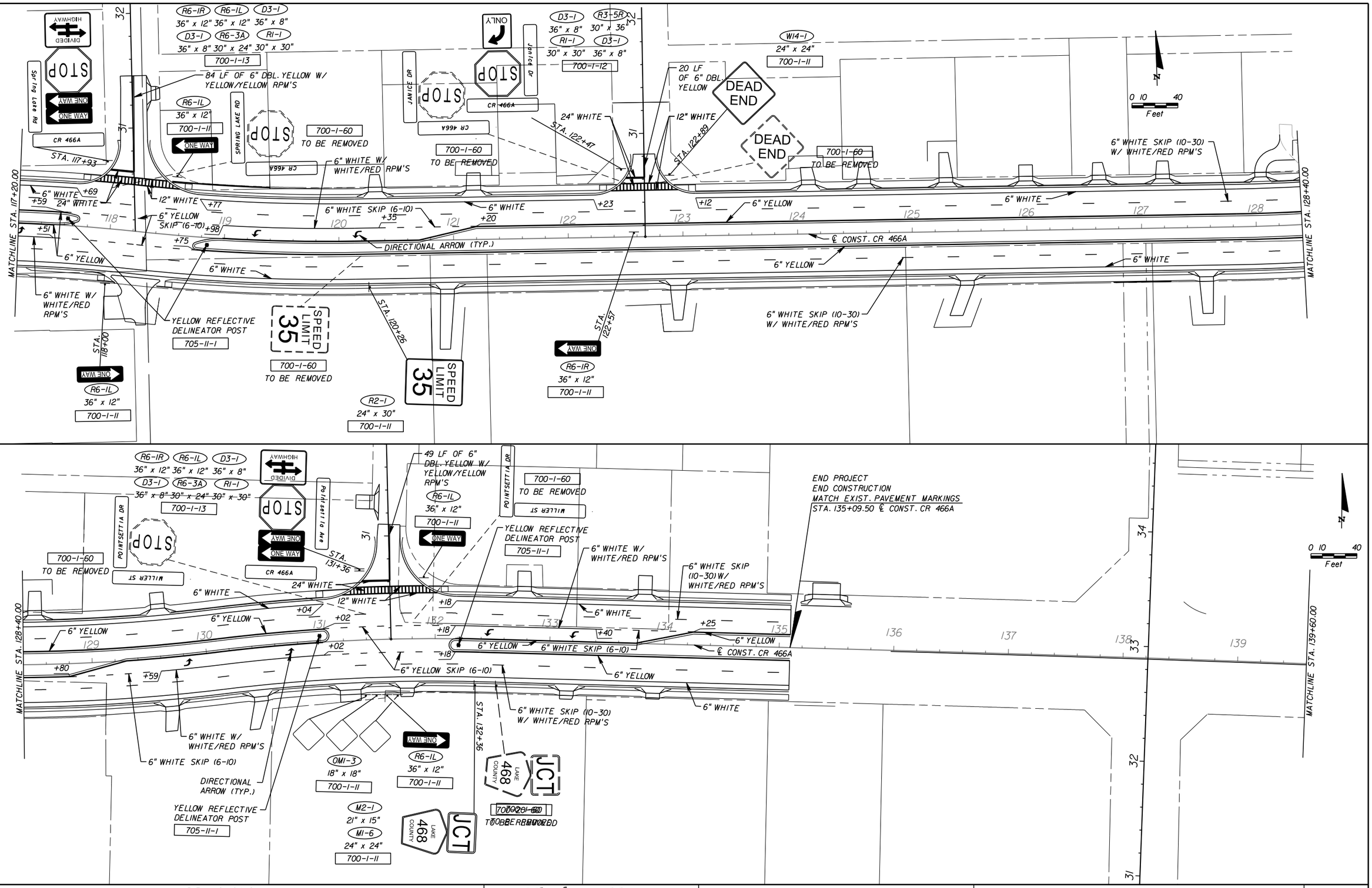
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SIGNING & PAVEMENT MARKING PLAN (02)

SHEET NO. 86

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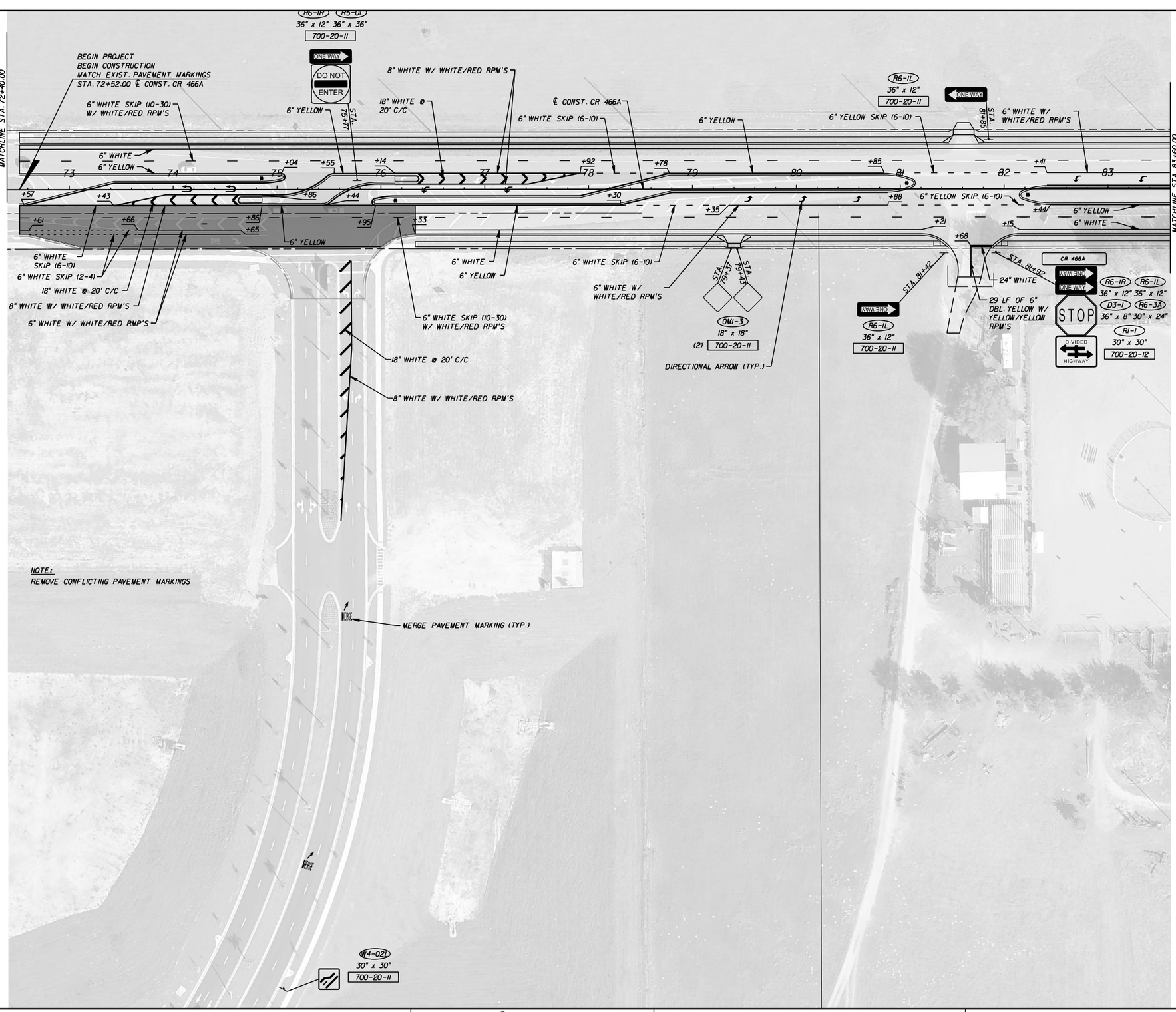
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SIGNING & PAVEMENT MARKING PLAN (03)

SHEET NO. 87

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SIGNING & PAVEMENT MARKING PLAN (04)

SHEET NO. 88

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GENERAL NOTES

A. DESIGN SPECIFICATIONS:

1. FDOT STRUCTURES MANUAL DATED JANUARY 2023
2. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LOAD AND RESISTANCE FACTOR (LRFD) BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION AND ALL SUBSEQUENT INTERIM'S.

B. GOVERNING STANDARDS AND CONSTRUCTION SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2023-24 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND REVISED INDEX DRAWINGS AS APPENDED HEREIN, AND JULY 2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS AMENDED BY CONTRACT DOCUMENTS.

C. VERTICAL DATUM:

VERTICAL DATUM USED ON THE PROJECT IS NAVD 88.

D. ENVIRONMENTAL CLASSIFICATIONS:

SLIGHTLY AGGRESSIVE - pH 7.94

E. DESIGN METHODOLOGY:

LOAD RESISTANCE AND FACTOR DESIGN (LRFD) METHOD USING STRENGTH, SERVICE AND FATIGUE LIMIT STATES.

F. SEISMIC:
DESIGNED IN ACCORDANCE WITH SDG SECTION 2.3 AND AASHTO LRFD SECTION 4.7.4.

G. MATERIALS:

1. REINFORCING STEEL: CARBON STEEL PER SPECIFICATIONS SECTION 931.
2. CONCRETE

CONCRETE CLASS	MIN. 28-DAY COMPRESSIVE STRENGTH	LOCATION OF CONCRETE IN STRUCTURE
II	3400 PSI	RETAINING WALLS

ALL CONCRETE SHALL BE IN ACCORDANCE WITH SPECIFICATIONS SECTION 346.
CHAMFER ALL FORMED EXPOSED EDGES OF CONCRETE CORNERS $\frac{3}{4}$" UNLESS NOTED OTHERWISE.

3. CONCRETE COVER

RETAINING WALLS (NOT CAST AGAINST EARTH)	2"
EXTERNAL SRUFACES CAST AGAINST EARTH	4"

CONCRETE COVER DIMENSIONS SHOWN IN THE PLANS DO NOT INCLUDE PLACEMENT AND FABRICATION TOLERANCES UNLESS SHOWN AS "MINIMUM COVER". SEE SPECIFICATIONS SECTION 415 FOR ALLOWABLE TOLERANCES. ALL DIMENSIONS PERTAINING TO THE LOCATION OF REINFORCING STEEL ARE TO CENTERLINE OF BAR EXCEPT WHERE CLEAR DIMENSION IS NOTED TO FACE OF CONCRETE.

H. PLAN DIMENSIONS:

1. ALL DIMENSIONS IN THESE PLANS ARE MEASURED IN FEET EITHER HORIZONTALLY OR VERTICALLY UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS AND JOINT OPENINGS ARE MEASURED AT A MEAN TEMPERATURE OF 70°.

I. UTILITIES:

1. FOR PLAN LOCATIONS OF EXISTING UTILITIES, SEE PLAN AND ELEVATION SHEETS. LOCATIONS OF UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE.

J. FDOT WALL TYPE:

CAST IN PLACE WALL RW-01 - FDOT WALL TYPE 1A
CAST IN PLACE WALL RW-02 - FDOT WALL TYPE 1A
CAST IN PLACE WALL RW-03 - FDOT WALL TYPE 1A
CAST IN PLACE WALL RW-04 - FDOT WALL TYPE 1A

K. GEOTECHNICAL

1. FOR APPROXIMATE BORING LOCATIONS AND SOIL CORRISON TESTING, SEE GEOTECHNICAL REPORT DATED APRIL 27, 2018, PERFORMED BY ANDREYEV ENGINEERING, INC.
2. ADDITIONAL GEOTECHNICAL INFORMATION CAN BE FOUND IN THE GEOTECHNICAL REPORT DATED, JANUARY 17, 2017, PERFORMED BY ANDREYEV ENGINEERING, INC.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KIMLEY-HORN AND ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION NO. 696
JOSEPH A. ROBERTS JR, P.E.
P.E. LICENSE NO. 78547
189 S. ORANGE AVE, SUITE 1000
ORLANDO, FLORIDA 32801

DRAWN BY: IERM
CHECKED BY: JAR
DESIGNED BY: IERM
CHECKED BY: JAR

LAKE COUNTY

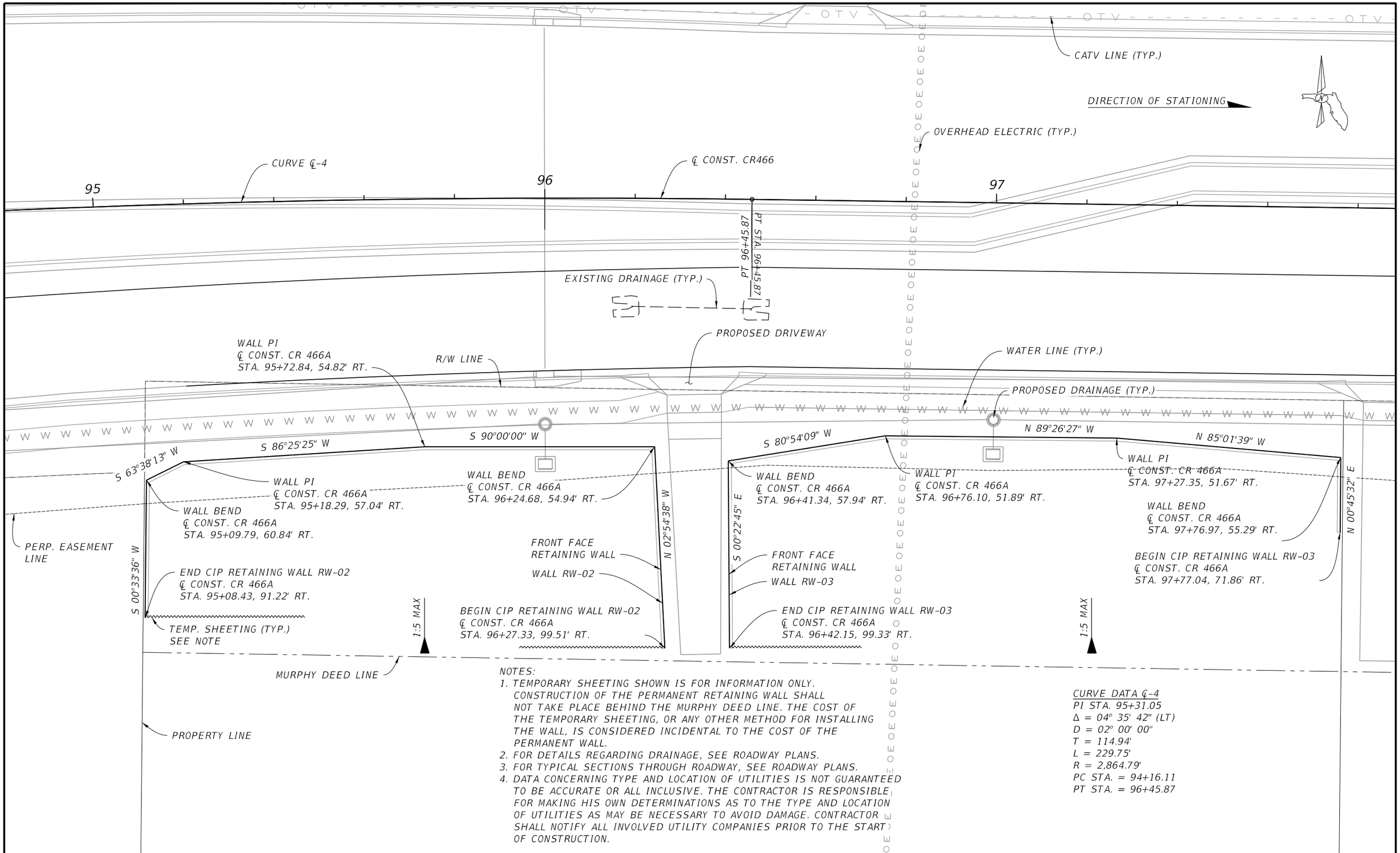
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
466A	LAKE	450253-5-54-01

SHEET TITLE: GENERAL NOTES

PROJECT NAME: COUNTY ROAD 466A MILLING AND RESURFACING

REF. DWG. NO.

SHEET NO. S-1



NOTES:

1. TEMPORARY SHEETING SHOWN IS FOR INFORMATION ONLY. CONSTRUCTION OF THE PERMANENT RETAINING WALL SHALL NOT TAKE PLACE BEHIND THE MURPHY DEED LINE. THE COST OF THE TEMPORARY SHEETING, OR ANY OTHER METHOD FOR INSTALLING THE WALL, IS CONSIDERED INCIDENTAL TO THE COST OF THE PERMANENT WALL.
2. FOR DETAILS REGARDING DRAINAGE, SEE ROADWAY PLANS.
3. FOR TYPICAL SECTIONS THROUGH ROADWAY, SEE ROADWAY PLANS.
4. DATA CONCERNING TYPE AND LOCATION OF UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. CONTRACTOR SHALL NOTIFY ALL INVOLVED UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION.

CURVE DATA ℄-4
PI STA. 95+31.05
Δ = 04° 35' 42" (LT)
D = 02° 00' 00"
T = 114.94'
L = 229.75'
R = 2,864.79'
PC STA. = 94+16.11
PT STA. = 96+45.87

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KIMLEY-HORN AND ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION NO. 696
JOSEPH A. ROBERTS JR, P.E.
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LAKE COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
466A	LAKE	450253-5-54-01

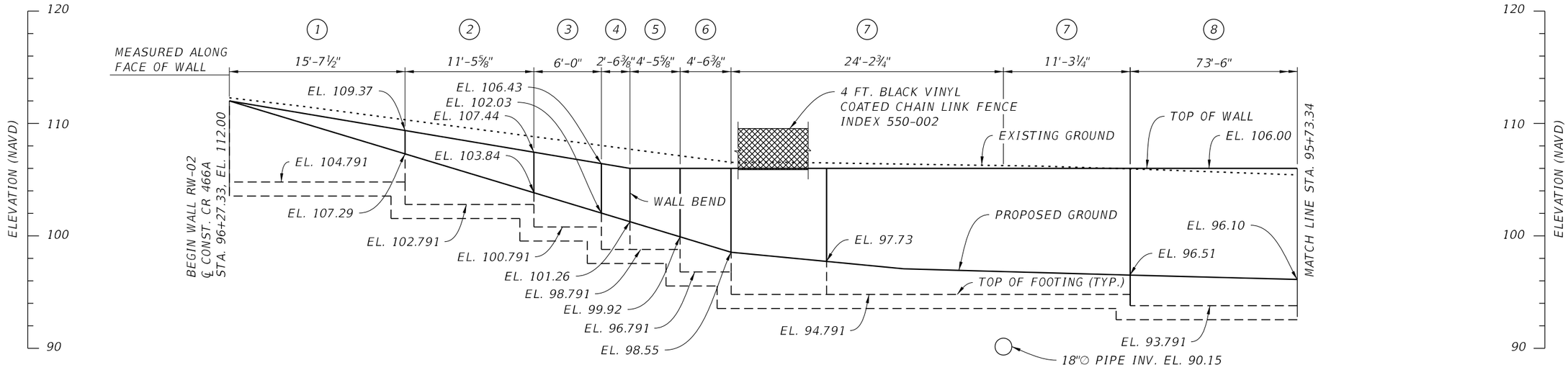
SHEET TITLE: CAST IN PLACE RETAINING WALL RW-02 AND RW-03 PLAN

REF. DWG. NO.:

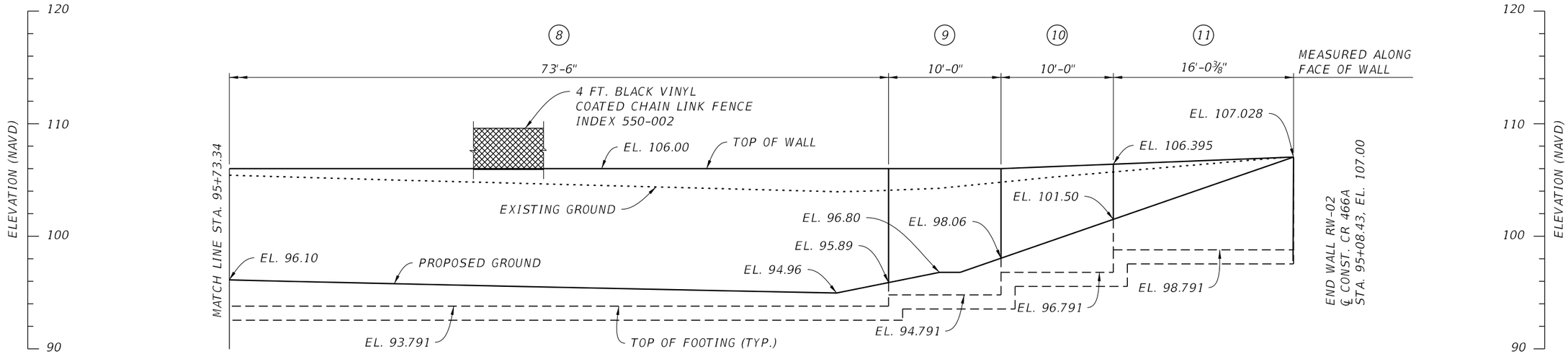
PROJECT NAME: COUNTY ROAD 466A MILLING AND RESURFACING

SHEET NO.: S-2

Spencer.Edwards 7/17/2022 6:41:01 PM K:\ORL_Roadway\049473002_Phase3B\049473002\struct\Retaining Walls\Plan view\B#RetWa



PARTIAL DEVELOPED ELEVATION



PARTIAL DEVELOPED ELEVATION

NOTE: PROVIDE EXPANSION JOINTS BETWEEN ALL DESIGN SECTIONS AND EQUALLY SPACE WALL JOINTS BETWEEN EXPANSION JOINTS AT A MAXIMUM SPACING OF 25 FEET.

LEGEND:

(#) WALL SECTION

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KIMLEY-HORN AND ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION NO. 696
JOSEPH A. ROBERTS JR, P.E.
P.E. LICENSE NO. 78547
189 S. ORANGE AVE, SUITE 1000
ORLANDO, FLORIDA 32801

DRAWN BY:	CHECKED BY:	DESIGNED BY:	CHECKED BY:
IERM	JAR	IERM	JAR

LAKE COUNTY

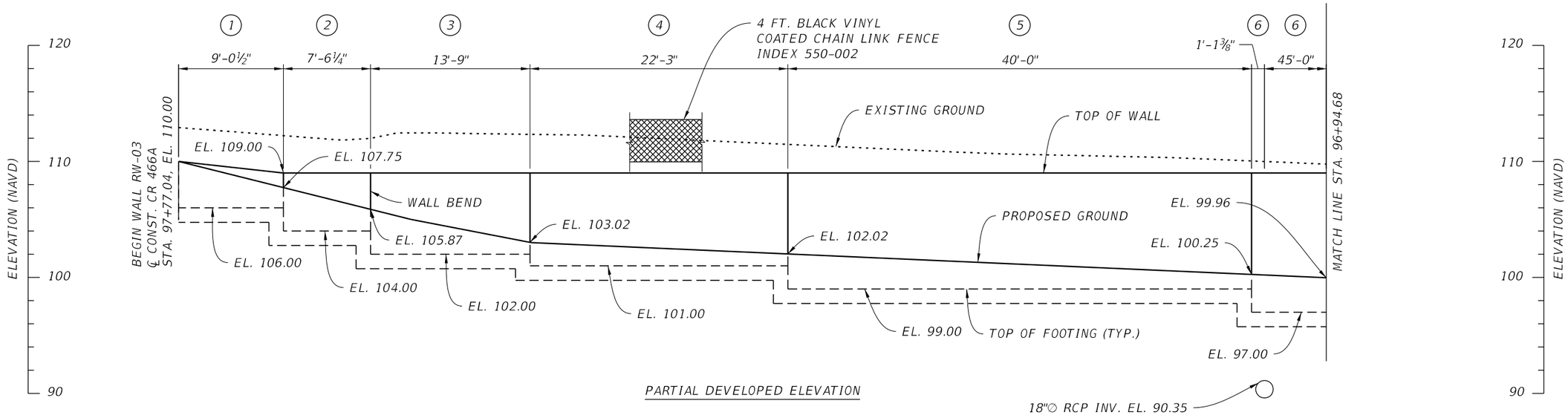
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
466A	LAKE	450253-5-54-01

SHEET TITLE: CAST IN PLACE RETAINING WALL RW-02 ELEVATION

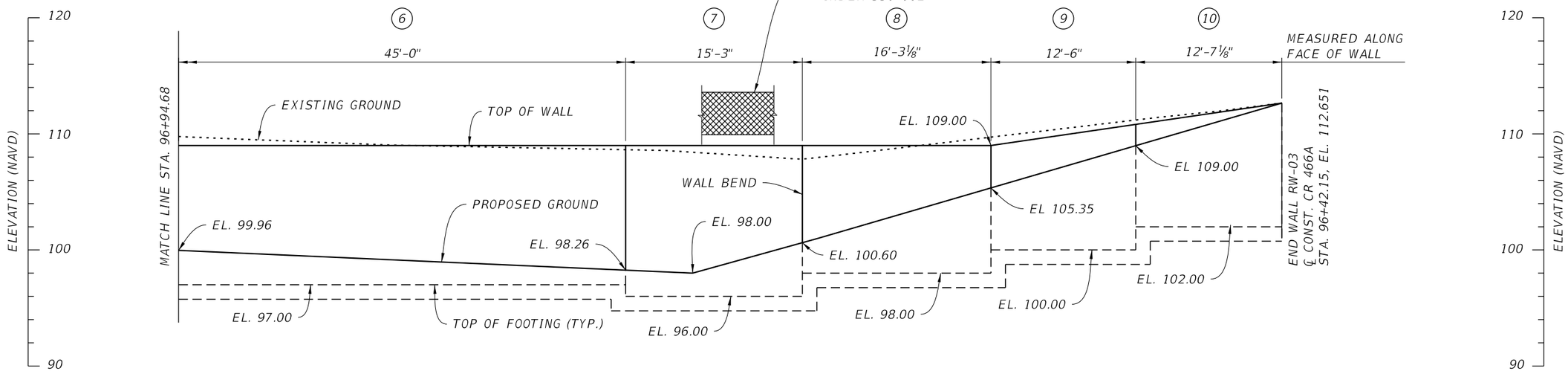
REF. DWG. NO.:

PROJECT NAME: COUNTY ROAD 466A MILLING AND RESURFACING

SHEET NO.: S-3



PARTIAL DEVELOPED ELEVATION



PARTIAL DEVELOPED ELEVATION

NOTE: PROVIDE EXPANSION JOINTS BETWEEN ALL DESIGN SECTIONS AND EQUALLY SPACE WALL JOINTS BETWEEN EXPANSION JOINTS AT A MAXIMUM SPACING OF 25 FEET.

LEGEND:

(#) WALL SECTION

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KIMLEY-HORN AND ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION NO. 696
JOSEPH A. ROBERTS JR, P.E.
P.E. LICENSE NO. 78547
189 S. ORANGE AVE, SUITE 1000
ORLANDO, FLORIDA 32801

DRAWN BY:	CHECKED BY:	DESIGNED BY:	CHECKED BY:
IERM	JAR	IERM	JAR

LAKE COUNTY

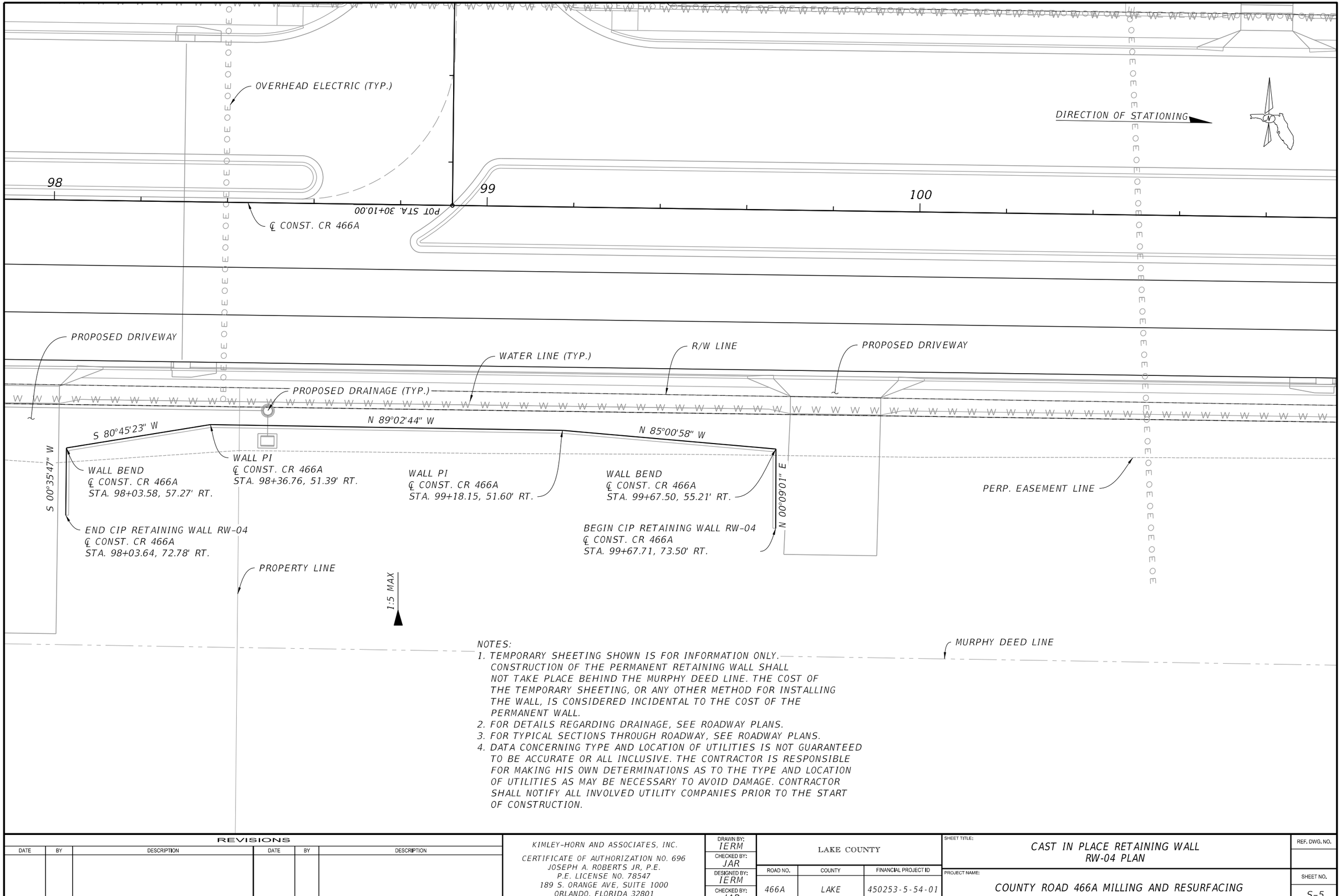
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
466A	LAKE	450253-5-54-01

SHEET TITLE: CAST IN PLACE RETAINING WALL RW-03 ELEVATION

REF. DWG. NO.:

PROJECT NAME: COUNTY ROAD 466A MILLING AND RESURFACING

SHEET NO.: S-4



NOTES:

1. TEMPORARY SHEETING SHOWN IS FOR INFORMATION ONLY. CONSTRUCTION OF THE PERMANENT RETAINING WALL SHALL NOT TAKE PLACE BEHIND THE MURPHY DEED LINE. THE COST OF THE TEMPORARY SHEETING, OR ANY OTHER METHOD FOR INSTALLING THE WALL, IS CONSIDERED INCIDENTAL TO THE COST OF THE PERMANENT WALL.
2. FOR DETAILS REGARDING DRAINAGE, SEE ROADWAY PLANS.
3. FOR TYPICAL SECTIONS THROUGH ROADWAY, SEE ROADWAY PLANS.
4. DATA CONCERNING TYPE AND LOCATION OF UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. CONTRACTOR SHALL NOTIFY ALL INVOLVED UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KIMLEY-HORN AND ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION NO. 696
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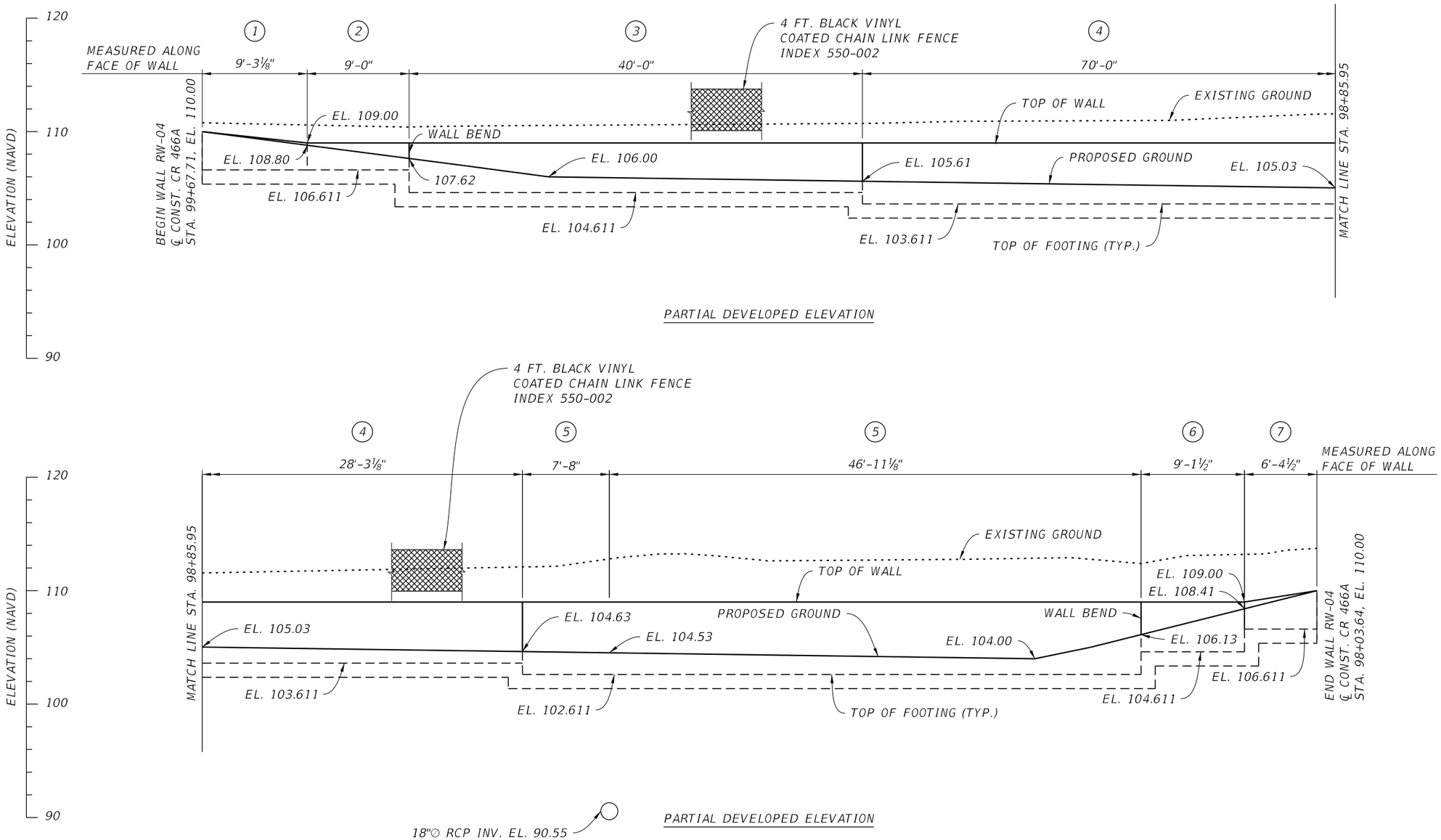
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
466A	LAKE	450253-5-54-01

SHEET TITLE: CAST IN PLACE RETAINING WALL RW-04 PLAN

REF. DWG. NO.:

PROJECT NAME: COUNTY ROAD 466A MILLING AND RESURFACING

SHEET NO.: S-5



NOTE: PROVIDE EXPANSION JOINTS BETWEEN ALL DESIGN SECTIONS AND EQUALLY SPACE WALL JOINTS BETWEEN EXPANSION JOINTS AT A MAXIMUM SPACING OF 25 FEET.

LEGEND:

(#) WALL SECTION

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KIMLEY-HORN AND ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION NO. 696
JOSEPH A. ROBERTS JR, P.E.
P.E. LICENSE NO. 78547
189 S. ORANGE AVE, SUITE 1000
ORLANDO, FLORIDA 32801

DRAWN BY:	CHECKED BY:	DESIGNED BY:	CHECKED BY:
IERM	JAR	IERM	JAR

LAKE COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
466A	LAKE	450253-5-54-01

SHEET TITLE: CAST IN PLACE RETAINING WALL RW-04 ELEVATION

REF. DWG. NO.:

PROJECT NAME: COUNTY ROAD 466A MILLING AND RESURFACING

SHEET NO.: S-6

C-I-P CANTILEVER RETAINING WALLS DATA TABLES

WALL DIMENSIONS — TABLE DATE 08-15-19

WALL SECTION	BEGIN		END		HEIGHT BEGIN		HEIGHT END		WALL LENGTH		D	W	L_{FOOT}		L_{TOE}		SLOPE BKWALL	D_{SOIL}		L_{key}	D_{KEY}	V_{STEP}	WALL COVER	FTGCOV (TYP.)	FTGCOV (BOT.)
	STATION	OFFSET	STATION	OFFSET	FT.	IN.	FT.	IN.	FT.	IN.	IN.	IN.	FT.	IN.	FT.	IN.		FT.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
1	-	-	-	-	7	2.50	4	7.00	15	7.25	15	12	5	6	2	0	0	2	6	0	0	24	2	3	4
2	-	-	-	-	6	7	4	7.75	11	6.00	15	12	5	6	1	6	0	1	0.50	0	0	24	2	3	4
3	-	-	-	-	6	7.75	5	7.75	6	0	15	12	5	6	1	6	0	1	3	0	0	24	2	3	4
4	-	-	-	-	7	7.75	7	2.50	2	6.25	15	12	6	0	1	6	0	2	5.75	0	0	0	2	3	4
5	-	-	-	-	7	2.50	7	2.50	4	5.75	15	12	6	0	1	6	0	1	1.50	0	0	24	2	3	4
6	-	-	-	-	9	2.50	9	2.50	4	6.50	15	12	7	6	2	0	0	1	9	0	0	24	2	3	4
7	-	-	-	-	11	2.50	11	2.50	35	6	15	12	9	6	3	0	0	1	8.75	0	0	12	2	3	4
8	-	-	-	-	12	2.50	12	2.50	73	6	15	12	11	6	4	0	0	1	2	0	0	0	2	3	4

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS J											BARS K										BARS M							
	SIZE	NO.	SPACING	A BEGIN		A END		B		AVERAGE TOTAL LENGTH		SIZE	NO.	SPACING	A BEGIN		A END		B		AVERAGE TOTAL LENGTH		SIZE	NO.	A		B		TOTAL LENGTH	
			IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.			IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.			FT.	IN.	FT.	IN.	FT.	IN.
1	4	17	12	3	1	3	1	2	7	5	8	4	17	12	3	7	3	7	2	7	6	2	4	17	2	7.25	3	1	5	8.25
2	4	13	12	3	0.25	3	0.25	2	1	5	1.25	4	13	12	3	5.75	3	5.75	2	1	5	6.75	4	13	2	7.25	3	7	6	2.25
3	4	7	12	3	0.50	3	0.50	2	1	5	1.50	4	7	12	3	6	3	6	2	1	5	7	4	7	2	7.25	3	7	6	2.25
4	4	4	12	3	0.75	3	0.75	2	1	5	1.75	4	4	12	3	7	3	7	2	1	5	8	4	4	2	7.25	4	1	6	8.25
5	4	6	12	3	1	3	1	2	1	5	2	4	6	12	3	7	3	7	2	1	5	8	4	6	2	7.25	4	1	6	8.25
6	4	6	12	3	0.50	3	0.50	2	7	5	7.50	4	6	12	3	7	3	7	2	7	6	2	4	6	2	7.25	5	1	7	8.25
7	4	44	10	3	0.50	3	0.50	3	7	6	7.50	4	44	10	4	2	4	2	3	7	7	9	4	37	2	7.25	6	1	8	8.25
8	4	111	8	2	12	2	12	4	7	7	7	4	111	8	4	4	4	4	4	7	8	11	4	75	2	7.25	7	1	9	8.25

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS H					BARS G1						BARS R				BARS Z					BARS A							
	SIZE	NO.	SPACING	LENGTH		SIZE	NO.	SPACING	NO. OF LAP SPLICES	TOTAL LENGTH		SIZE	NO.	LENGTH		SIZE	NO.	SPACING	LENGTH		SIZE	NO.	LENGTH BEGIN		LENGTH END		AVERAGE LENGTH	
			IN.	FT.	IN.			IN.		FT.	IN.			FT.	IN.			IN.	FT.	IN.			FT.	IN.	FT.	IN.	FT.	IN.
1	4	17	12	5	0	4	12	12	0	15	1.25	4	12	2	0	0	0	0	0	0	4	17	7	0.50	4	5	5	8.75
2	4	12	12	5	0	4	12	12	0	11	0	4	12	2	0	0	0	0	0	0	4	13	6	5	4	5.75	5	5.50
3	4	7	12	5	0	4	12	12	0	5	6	4	12	2	0	0	0	0	0	0	4	7	6	5.75	5	5.75	5	11.80
4	4	4	12	5	6	4	14	12	0	2	0.25	0	0	2	0	0	0	0	0	0	4	4	7	5.75	7	0.50	7	3
5	4	5	12	5	6	4	14	12	0	3	11.80	4	14	2	0	0	0	0	0	0	4	6	7	0.50	7	0.50	7	0.50
6	4	6	10	7	0	4	16	12	0	4	0.50	4	16	2	0	0	0	0	0	0	4	6	9	0.50	9	0.50	9	0.50
7	4	71	6	9	0	4	20	12	0	35	0	4	20	2	0	0	0	0	0	0	4	44	11	0.50	11	0.50	11	0.50
8	4	147	6	11	0	4	24	12	1	73	0	0	0	2	0	0	0	0	0	0	4	111	12	0.50	12	0.50	12	0.50

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS F									BARS G2				BARS D			
	SIZE	NO.	SPACING	LENGTH BEGIN		LENGTH END		AVERAGE LENGTH		SIZE	NO.	LENGTH		SIZE	NO.	LENGTH	
			IN.	FT.	IN.	FT.	IN.	FT.	IN.			FT.	IN.			FT.	IN.
1	4	17	12	7	0.50	4	5	5	8.75	4	12	15	3.25	5	6	1	6
2	4	13	12	6	5	4	5.75	5	5.50	4	12	11	2	5	6	1	6
3	4	7	12	6	5.75	5	5.75	5	11.80	4	12	5	8	5	7	1	6
4	4	4	12	7	5.75	7	0.50	7	3	4	16	2	2.25	5	8	1	6
5	4	6	12	7	0.50	7	0.50	7	0.50	4	16	4	1.75	5	8	1	6
6	4	6	12	9	0.50	9	0.50	9	0.50	4	20	4	2.50	5	10	1	6
7	4	37	12	11	0.50	11	0.50	11	0.50	4	48	17	5	5	24	1	6
8	4	75	12	12	0.50	12	0.50	12	0.50	4	78	24	2	5	39	1	6

NOTES

1. WORK THESE DATA TABLES WITH INDEX NO. 400-010.
2. CONCRETE CLASS II (F'C = 3400PSI) WITHOUT SILICA FUME, METAKAOLIN OR ULTRAFINE FLY ASH.
3. WALL EXPOSED FACE SURFACE TEXTURE SHALL BE TYPE "A" SMOOTH.
4. ENVIRONMENTAL CLASSIFICATION IS SLIGHTLY AGGRESSIVE.
5. MINIMUM SOIL NOMINAL BEARING RESISTANCE = 2000 PSF.
6. A VALUE OF '0' FOR SLOPE BACKWALL INDICATES FRONT AND BACK OF WALL ARE PARALLEL.
7. D_{SOIL} IS TYPICAL DEPTH OF SOIL AND IS USED FOR DESIGN PURPOSES ONLY. SEE CONTROL DRAWINGS FOR ACTUAL GROUND LINE.
8. NON-ZERO VALUES FOR L_{KEY} AND D_{KEY} INDICATE THE EXISTENCE OF A SHEAR KEY.
9. A NON-ZERO VALUE FOR V_{STEP} INDICATES THE EXISTENCE OF A FOOTING STEP, SEE CONTROL DRAWINGS FOR LOCATION.
10. BARS J, K, A AND F VARY UNIFORMLY BETWEEN BEGIN AND END WALL HEIGHTS AS INDICATED BY BEGIN AND END DIMENSIONS.
11. THE NUMBER OF G1 BARS INCLUDES 2 ADDITIONAL BARS WHEN A SHEAR KEY IS SPECIFIED.
12. FOR WALLS WITH VARIABLE BEGIN/END HEIGHT, BARS G2 SHALL BE FANNED SUCH THAT THEY ARE EVENLY SPACED THROUGHOUT LENGTH OF WALL.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KIMLEY-HORN AND ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION NO. 696
JOSEPH A. ROBERTS JR, P.E.
P.E. LICENSE NO. 78547
189 S. ORANGE AVE, SUITE 1000
ORLANDO, FLORIDA 32801

DRAWN BY: IERM
CHECKED BY: JAR
DESIGNED BY: IERM
CHECKED BY: JAR

LAKE COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
466A	LAKE	450253-5-54-01

SHEET TITLE: WALL DESIGN TABLE - RW-02 (1 of 2)

REF. DWG. NO.:

PROJECT NAME: COUNTY ROAD 466A MILLING AND RESURFACING

SHEET NO.: S-7

C-I-P CANTILEVER RETAINING WALLS DATA TABLES

WALL DIMENSIONS — TABLE DATE 08-15-19

WALL SECTION	BEGIN		END		HEIGHT BEGIN		HEIGHT END		WALL LENGTH		D	W	L_{FOOT}		L_{TOE}		SLOPE BKWALL	D_{SOIL}		L_{key}	D_{KEY}	V_{STEP}	WALL COVER	FTGCOV (TYP.)	FTGCOV (BOT.)
	STATION	OFFSET	STATION	OFFSET	FT.	IN.	FT.	IN.	FT.	IN.	IN.	IN.	FT.	IN.	FT.	IN.		FT.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
9	–	–	–	–	11	2.50	11	2.50	10	0	15	12	9	6	3	0	0	1	1.25	0	0	12	2	3	4
10	–	–	–	–	9	2.50	9	7.25	10	0	15	12	8	6	2	6	0	1	3	0	0	24	2	3	4
11	–	–	–	–	7	7.25	8	3	16	0	15	12	6	6	2	0	0	2	8.50	0	0	0	2	3	4

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS J											BARS K										BARS M							
	SIZE	NO.	SPACING	A BEGIN		A END		B		AVERAGE TOTAL LENGTH		SIZE	NO.	SPACING	A BEGIN		A END		B		AVERAGE TOTAL LENGTH		SIZE	NO.	A		B		TOTAL LENGTH	
			IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.			IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.			FT.	IN.	FT.	IN.	FT.	IN.
9	4	13	10	3	0.50	3	0.50	3	7	6	7.50	4	13	10	4	2	4	2	3	7	7	9	4	11	2	7.25	6	1	8	8.25
10	4	11	12	3	0.25	2	0.25	3	1	6	1.25	4	11	12	3	6	3	6	3	1	6	7	4	11	2	7.25	5	7	8	2.25
11	4	17	12	2	11.80	2	11.80	2	7	5	6.75	4	17	12	3	5.75	3	5.75	2	7	6	0.75	4	17	2	7.25	4	1	6	8.25

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS H					BARS G1						BARS R				BARS Z					BARS A							
	SIZE	NO.	SPACING	LENGTH		SIZE	NO.	SPACING	NO. OF LAP SPLICES	TOTAL LENGTH		SIZE	NO.	LENGTH		SIZE	NO.	SPACING	LENGTH		SIZE	NO.	LENGTH BEGIN		LENGTH END		AVERAGE LENGTH	
			IN.	FT.	IN.			IN.		FT.	IN.			FT.	IN.			IN.	FT.	IN.			FT.	IN.	FT.	IN.	FT.	IN.
9	4	20	6	9	0	4	20	12	0	9	6	4	20	2	0	0	0	0	0	0	4	13	11	0.50	11	0.50	11	0.50
10	4	16	8	8	0	4	18	12	0	9	6	4	18	2	0	0	0	0	0	0	4	11	9	0.50	9	5.25	9	2.75
11	4	17	12	6	0	4	16	12	0	15	6	0	0	2	0	0	0	0	0	0	4	17	7	5.25	8	1	7	9

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS F									BARS G2				BARS D			
	SIZE	NO.	SPACING	LENGTH BEGIN		LENGTH END		AVERAGE LENGTH		SIZE	NO.	LENGTH		SIZE	NO.	LENGTH	
			IN.	FT.	IN.	FT.	IN.	FT.	IN.			FT.	IN.			FT.	IN.
9	4	11	12	11	0.50	11	0.50	11	0.50	4	24	9	8	5	12	1	6
10	4	11	12	9	0.50	9	5.25	9	2.75	4	20	9	8	5	10	1	6
11	4	17	12	7	5.25	8	1	7	9	4	16	15	8	5	8	1	6

NOTES

1. WORK THESE DATA TABLES WITH INDEX NO. 400-010.
2. CONCRETE CLASS II (F'C = 3400PSI) WITHOUT SILICA FUME, METAKAOLIN OR ULTRAFINE FLY ASH.
3. WALL EXPOSED FACE SURFACE TEXTURE SHALL BE TYPE "A" SMOOTH.
4. ENVIRONMENTAL CLASSIFICATION IS SLIGHTLY AGGRESSIVE.
5. MINIMUM SOIL NOMINAL BEARING RESISTANCE = 2000 PSF.
6. A VALUE OF '–' FOR SLOPE BACKWALL INDICATES FRONT AND BACK OF WALL ARE PARALLEL.
7. D_{SOIL} IS TYPICAL DEPTH OF SOIL AND IS USED FOR DESIGN PURPOSES ONLY. SEE CONTROL DRAWINGS FOR ACTUAL GROUND LINE.
8. NON-ZERO VALUES FOR L_{KEY} AND D_{KEY} INDICATE THE EXISTENCE OF A SHEAR KEY.
9. A NON-ZERO VALUE FOR V_{STEP} INDICATES THE EXISTENCE OF A FOOTING STEP, SEE CONTROL DRAWINGS FOR LOCATION.
10. BARS J, K, A AND F VARY UNIFORMLY BETWEEN BEGIN AND END WALL HEIGHTS AS INDICATED BY BEGIN AND END DIMENSIONS.
11. THE NUMBER OF G1 BARS INCLUDES 2 ADDITIONAL BARS WHEN A SHEAR KEY IS SPECIFIED.
12. FOR WALLS WITH VARIABLE BEGIN/END HEIGHT, BARS G2 SHALL BE FANNED SUCH THAT THEY ARE EVENLY SPACED THROUGHOUT LENGTH OF WALL.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KIMLEY-HORN AND ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION NO. 696
JOSEPH A. ROBERTS JR, P.E.
P.E. LICENSE NO. 78547
189 S. ORANGE AVE, SUITE 1000
ORLANDO, FLORIDA 32801

DRAWN BY:	CHECKED BY:	DESIGNED BY:	CHECKED BY:
IERM	JAR	IERM	JAR

LAKE COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
466A	LAKE	450253-5-54-01

SHEET TITLE: WALL DESIGN TABLE - RW-02 (2 of 2)

REF. DWG. NO.:

PROJECT NAME: COUNTY ROAD 466A MILLING AND RESURFACING

SHEET NO.: S-8

C-I-P CANTILEVER RETAINING WALLS DATA TABLES

WALL DIMENSIONS — TABLE DATE 08-15-19

WALL SECTION	BEGIN		END		HEIGHT BEGIN		HEIGHT END		WALL LENGTH		D	W	L_{FOOT}		L_{TOE}		SLOPE BKWALL	D_{SOIL}		L_{key}	D_{KEY}	V_{STEP}	WALL COVER	FTGCOV (TYP.)	FTGCOV (BOT.)
	STATION	OFFSET	STATION	OFFSET	FT.	IN.	FT.	IN.	FT.	IN.	IN.	IN.	FT.	IN.	FT.	IN.		FT.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
1	-	-	-	-	4	0	3	0	9	0.50	15	12	3	6	1	0	0	1	9	0	0	24	2	3	4
2	-	-	-	-	5	0	5	0	7	6.25	15	12	4	0	1	0	0	1	10.50	0	0	24	2	3	4
3	-	-	-	-	7	0	7	0	13	8.50	15	12	5	6	1	0	0	1	0	0	0	12	2	3	4
4	-	-	-	-	8	0	8	0	22	3.50	15	12	6	6	1	6	0	1	0.25	0	0	24	2	3	4
5	-	-	-	-	10	0	10	0	40	0	15	12	8	6	2	6	0	1	3	0	0	24	2	3	4
6	-	-	-	-	12	0	12	0	45	0	15	12	10	6	3	6	0	1	3	0	0	12	2	3	4
7	-	-	-	-	13	0	13	0	15	3.50	15	12	11	6	4	6	0	2	0	0	0	0	2	3	4
8	-	-	-	-	11	0	11	0	16	3.50	15	12	9	0	3	0	0	2	7.25	0	0	24	2	3	4

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS J											BARS K										BARS M							
	SIZE	NO.	SPACING	A BEGIN		A END		B		AVERAGE TOTAL LENGTH		SIZE	NO.	SPACING	A BEGIN		A END		B		AVERAGE TOTAL LENGTH		SIZE	NO.	A		B		TOTAL LENGTH	
			IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.			IN.	FT.	in.	FT.	IN.	FT.	IN.	FT.	IN.			FT.	IN.	FT.	IN.	FT.	IN.
1	4	10	12	3	0.50	3	0.50	1	7	4	7.50	4	10	12	3	6.25	3	6.25	1	7	5	1.25	4	10	2	7.25	2	1	4	8.25
2	4	9	12	3	0.75	3	0.75	1	7	4	7.75	4	9	12	3	6.75	3	6.75	1	7	5	1.75	4	9	2	7.25	2	7	5	2.25
3	4	15	12	3	0.25	3	0.25	1	7	4	7.25	4	15	12	3	6	3	6	1	7	5	1	4	15	2	7.25	4	1	6	8.25
4	4	23	12	3	1	3	1	2	1	5	2	4	23	12	3	6.75	3	6.75	2	1	5	7.75	4	23	2	7.25	4	7	7	2.25
5	4	41	12	3	1.50	3	1.50	3	1	6	2.50	4	41	12	3	7.50	3	7.50	3	1	6	8.50	4	41	2	7.25	5	7	8	2.25
6	4	68	8	2	11.50	2	11.50	4	1	7	0.50	4	68	8	4	2	4	2	4	1	8	3	4	46	2	7.25	6	7	9	2.25
7	5	31	6	3	9.25	3	9.25	5	1	8	10.30	5	31	6	4	6.75	4	6.75	5	1	9	7.75	4	16	2	7.25	6	7	9	2.25
8	4	21	10	3	0	3	0	3	7	6	7	4	21	10	3	10.80	3	10.80	3	7	7	5.75	4	17	2	7.25	5	7	8	2.25

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS H					BARS G1						BARS R				BARS Z					BARS A							
	SIZE	NO.	SPACING	LENGTH		SIZE	NO.	SPACING	NO. OF LAP SPLICES	TOTAL LENGTH		SIZE	NO.	LENGTH		SIZE	NO.	SPACING	LENGTH		SIZE	NO.	LENGTH BEGIN		LENGTH END		AVERAGE LENGTH	
			IN.	FT.	IN.			IN.		FT.	IN.			FT.	IN.			IN.	FT.	IN.			FT.	IN.	FT.	IN.	FT.	IN.
1	4	10	12	3	0	4	8	12	0	8	6.50	4	8	2	0	0	0	0	0	0	4	10	3	10	2	10	3	4
2	4	9	12	3	6	4	10	12	0	7	0.25	4	10	2	0	0	0	0	0	0	4	9	4	10	4	10	4	10
3	4	15	12	5	0	4	12	12	0	13	2.50	4	12	2	0	0	0	0	0	0	4	15	6	10	6	10	6	10
4	4	23	12	6	0	4	16	12	0	21	9.50	4	16	2	0	0	0	0	0	0	4	23	7	10	7	10	7	10
5	4	61	8	8	0	4	18	12	0	39	6	4	18	2	0	0	0	0	0	0	4	41	9	10	9	10	9	10
6	4	90	6	10	0	4	22	12	0	44	6	4	22	2	0	0	0	0	0	0	4	68	11	10	11	10	11	10
7	4	31	6	11	0	4	24	12	0	14	9.50	0	0	2	0	0	0	0	0	0	6	31	12	10	12	10	12	10
8	4	33	6	8	6	4	20	12	0	15	9.50	4	20	2	0	0	0	0	0	0	4	21	10	10	10	10	10	10

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS F									BARS G2				BARS D			
	SIZE	NO.	SPACING	LENGTH BEGIN		LENGTH END		AVERAGE LENGTH		SIZE	NO.	LENGTH		SIZE	NO.	LENGTH	
			in.	FT.	IN.	FT.	IN.	FT.	IN.			FT.	IN.			FT.	IN.
1	4	10	12	3	10	2	10	3	4	4	8	8	8.50	5	4	1	6
2	4	9	12	4	10	4	10	4	10	4	10	7	2.25	5	5	1	6
3	4	15	12	6	10	6	10	6	10	4	14	13	4.50	5	7	1	6
4	4	23	12	7	10	7	10	7	10	4	16	21	11.50	5	8	1	6
5	4	41	12	9	10	9	10	9	10	4	40	19	8	5	20	1	6
6	4	46	12	11	10	11	10	11	10	4	48	22	2	5	26	1	6
7	4	16	12	12	10	12	10	12	10	4	26	14	11.50	5	13	1	6
8	4	17	12	10	10	10	10	10	10	4	22	15	11.50	5	11	1	6

NOTES

1. WORK THESE DATA TABLES WITH INDEX NO. 400-010.
2. CONCRETE CLASS II (F'C = 3400PSI) WITHOUT SILICA FUME, METAKAOLIN OR ULTRAFINE FLY ASH.
3. WALL EXPOSED FACE SURFACE TEXTURE SHALL BE TYPE "A" SMOOTH.
4. ENVIRONMENTAL CLASSIFICATION IS SLIGHTLY AGGRESSIVE.
5. MINIMUM SOIL NOMINAL BEARING RESISTANCE = 2000 PSF.
6. A VALUE OF '-' FOR SLOPE BACKWALL INDICATES FRONT AND BACK OF WALL ARE PARALLEL.
7. D_{SOIL} IS TYPICAL DEPTH OF SOIL AND IS USED FOR DESIGN PURPOSES ONLY. SEE CONTROL DRAWINGS FOR ACTUAL GROUND LINE.
8. NON-ZERO VALUES FOR L_{KEY} AND D_{KEY} INDICATE THE EXISTENCE OF A SHEAR KEY.
9. A NON-ZERO VALUE FOR V_{STEP} INDICATES THE EXISTENCE OF A FOOTING STEP, SEE CONTROL DRAWINGS FOR LOCATION.
10. BARS J, K, A AND F VARY UNIFORMLY BETWEEN BEGIN AND END WALL HEIGHTS AS INDICATED BY BEGIN AND END DIMENSIONS.
11. THE NUMBER OF G1 BARS INCLUDES 2 ADDITIONAL BARS WHEN A SHEAR KEY IS SPECIFIED.
12. FOR WALLS WITH VARIABLE BEGIN/END HEIGHT, BARS G2 SHALL BE FANNED SUCH THAT THEY ARE EVENLY SPACED THROUGHOUT LENGTH OF WALL.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KIMLEY-HORN AND ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION NO. 696
JOSEPH A. ROBERTS JR, P.E.
P.E. LICENSE NO. 78547
189 S. ORANGE AVE, SUITE 1000
ORLANDO, FLORIDA 32801

DRAWN BY: IERM
CHECKED BY: JAR
DESIGNED BY: IERM
CHECKED BY: JAR

LAKE COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
466A	LAKE	450253-5-54-01

SHEET TITLE: WALL DESIGN TABLE - RW-03 (1 of 2)

REF. DWG. NO.:

PROJECT NAME: COUNTY ROAD 466A MILLING AND RESURFACING

SHEET NO.: S-9

C-I-P CANTILEVER RETAINING WALLS DATA TABLES

WALL DIMENSIONS — TABLE DATE 08-15-19

WALL SECTION	BEGIN		END		HEIGHT BEGIN		HEIGHT END		WALL LENGTH		D	W	L_{FOOT}		L_{TOE}		SLOPE BKWALL	D_{SOIL}		L_{key}	D_{KEY}	V_{STEP}	WALL COVER	FTGCOV (TYP.)	FTGCOV (BOT.)
	STATION	OFFSET	STATION	OFFSET	FT.	IN.	FT.	IN.	FT.	IN.	IN.	IN.	FT.	IN.	FT.	IN.		FT.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
9	-	-	-	-	9	0	10	9.50	12	6	15	12	8	0	3	6	0	5	4.25	0	0	24	2	3	4
10	-	-	-	-	8	9.50	10	8.50	12	7.25	15	12	11	0	5	0	0	7	0	0	0	24	2	3	4

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS J											BARS K										BARS M							
	SIZE	NO.	SPACING	A BEGIN		A END		B		AVERAGE TOTAL LENGTH		SIZE	NO.	SPACING	A BEGIN		A END		B		AVERAGE TOTAL LENGTH		SIZE	NO.	A		B		TOTAL LENGTH	
			IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.			IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.			FT.	IN.	FT.	IN.	FT.	IN.
9	4	14	12	3	1	3	1	4	1	7	2	4	16	10	4	3.25	4	3.25	4	1	8	4.25	4	14	2	7.25	4	1	6	8.25
10	4	14	12	3	0.75	3	0.75	5	7	8	7.75	4	16	10	4	1.50	4	1.50	5	7	9	8.50	4	14	2	7.25	5	7	8	2.25

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS H					BARS G1						BARS R				BARS Z					BARS A							
	SIZE	NO.	SPACING	LENGTH		SIZE	NO.	SPACING	NO. OF LAP SPLICES	TOTAL LENGTH		SIZE	NO.	LENGTH		SIZE	NO.	SPACING	LENGTH		SIZE	NO.	LENGTH BEGIN		LENGTH END		AVERAGE LENGTH	
			IN.	FT.	IN.			IN.		FT.	IN.			FT.	IN.			IN.	FT.	IN.			FT.	IN.	FT.	IN.	FT.	IN.
9	4	16	10	7	6	4	18	12	0	12	0	4	18	2	0	0	0	0	0	0	4	14	8	10	10	7.50	9	8.75
10	4	16	10	10	6	4	24	12	0	12	1.25	0	0	0	0	0	0	0	0	0	4	14	8	7.50	10	6.50	9	7

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS F									BARS G2				BARS D			
	SIZE	NO.	SPACING	LENGTH BEGIN		LENGTH END		AVERAGE LENGTH		SIZE	NO.	LENGTH		SIZE	NO.	LENGTH	
			IN.	FT.	IN.	FT.	IN.	FT.	IN.			FT.	IN.			FT.	IN.
9	4	14	12	8	10	10	7.50	9	8.75	4	20	12	2	5	10	1	6
10	4	14	12	8	7.50	10	6.50	9	7	4	20	12	3.25	5	10	1	6

NOTES

1. WORK THESE DATA TABLES WITH INDEX NO. 400-010.
2. CONCRETE CLASS II (F'C = 3400PSI) WITHOUT SILICA FUME, METAKAOLIN OR ULTRAFINE FLY ASH.
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REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KIMLEY-HORN AND ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION NO. 696
JOSEPH A. ROBERTS JR, P.E.
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ORLANDO, FLORIDA 32801

DRAWN BY:	CHECKED BY:	DESIGNED BY:	CHECKED BY:
IERM	JAR	IERM	JAR

LAKE COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
466A	LAKE	450253-5-54-01

SHEET TITLE: WALL DESIGN TABLE - RW-03 (2 of 2)

REF. DWG. NO.:

PROJECT NAME: COUNTY ROAD 466A MILLING AND RESURFACING

SHEET NO.: S-10

C-I-P CANTILEVER RETAINING WALLS DATA TABLES

WALL DIMENSIONS — TABLE DATE 08-15-19

WALL SECTION	BEGIN		END		HEIGHT BEGIN		HEIGHT END		WALL LENGTH		D	W	L_{FOOT}		L_{TOE}		SLOPE BKWALL	D_{SOIL}		L_{key}	D_{KEY}	V_{STEP}	WALL COVER	FTGCOV (TYP.)	FTGCOV (BOT.)
	STATION	OFFSET	STATION	OFFSET	FT.	IN.	FT.	IN.	FT.	IN.	IN.	IN.	FT.	IN.	FT.	IN.		FT.	IN.	IN.	IN.	IN.	IN.	IN.	IN.
1	-	-	-	-	3	4.75	2	4.75	9	3	15	12	3	0	1	0	0	2	2.25	0	0	0	2	3	4
2	-	-	-	-	2	4.75	2	4.75	9	0	15	12	3	0	1	0	0	1	0	0	0	24	2	3	4
3	-	-	-	-	4	4.75	4	4.75	40	0	15	12	4	0	1	0	0	1	0	0	0	12	2	3	4
4	-	-	-	-	5	4.75	5	4.75	70	0	15	12	4	6	1	0	0	1	0	0	0	12	2	3	4
5	-	-	-	-	6	4.75	6	4.75	54	7.25	15	12	5	0	1	6	0	1	4.75	0	0	0	2	3	4
6	-	-	-	-	4	4.75	4	4.75	9	1.50	15	12	3	6	1	0	0	1	6.25	0	0	24	2	3	4
7	-	-	-	-	2	4.75	3	4.75	6	4.50	15	12	3	0	1	0	0	1	9.50	0	0	24	2	3	4

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS J											BARS K										BARS M							
	SIZE	NO.	SPACING	A BEGIN		A END		B		AVERAGE TOTAL LENGTH		SIZE	NO.	SPACING	A BEGIN		A END		B		AVERAGE TOTAL LENGTH		SIZE	NO.	A		B		TOTAL LENGTH	
			IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.			IN.	FT.	in.	FT.	IN.	FT.	IN.	FT.	IN.			FT.	IN.	FT.	IN.	FT.	IN.
1	4	10	12	3	0.25	3	0.25	1	7	4	7.25	4	10	12	3	6.25	3	1.75	1	7	4	11	4	10	2	7.25	1	7	4	2.25
2	4	10	12	3	0.25	3	0.25	1	7	4	7.75	4	10	12	3	1.75	3	1.75	1	7	4	8.75	4	10	2	7.25	1	7	4	2.25
3	4	41	12	3	0.25	3	0.25	1	7	4	7.25	4	41	12	3	6	3	6	1	7	5	1	4	41	2	7.25	2	7	5	2.25
4	4	71	12	3	0.75	3	0.75	1	7	4	7.75	4	71	12	3	6.75	3	6.75	1	7	5	1.75	4	71	2	7.25	3	1	5	8.25
5	4	56	12	3	0.25	3	0.25	2	1	5	1.25	4	56	12	3	6.50	3	6.50	2	1	5	7.50	4	56	2	7.25	3	1	5	8.25
6	4	10	12	3	0.25	3	0.25	1	7	4	7.25	4	10	12	3	6	3	6	1	7	5	1	4	10	2	7.25	2	1	4	8.25
7	4	8	12	3	0.25	3	0.25	1	7	4	7.25	4	8	12	3	1.75	3	6.25	1	7	4	11	4	8	2	7.25	1	7	4	2.25

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS H					BARS G1						BARS R				BARS Z					BARS A							
	SIZE	NO.	SPACING	LENGTH		SIZE	NO.	SPACING	NO. OF LAP SPLICES	TOTAL LENGTH		SIZE	NO.	LENGTH		SIZE	NO.	SPACING	LENGTH		SIZE	NO.	LENGTH BEGIN		LENGTH END		AVERAGE LENGTH	
			IN.	FT.	IN.			IN.		FT.	IN.			FT.	IN.			IN.	FT.	IN.			FT.	IN.	FT.	IN.	FT.	IN.
1	4	10	12	2	6	4	8	12	0	8	9	0	0	2	0	0	0	0	0	0	4	10	3	2.75	2	2.75	2	8.75
2	4	10	12	2	6	4	8	12	0	8	6	4	8	2	0	0	0	0	0	0	4	10	2	2.75	2	2.75	2	2.75
3	4	41	12	3	6	4	10	12	0	39	6	4	10	2	0	0	0	0	0	0	4	41	4	2.75	4	2.75	4	2.75
4	4	71	12	4	0	4	10	12	1	69	6	4	10	2	0	0	0	0	0	0	4	71	5	2.75	5	2.75	5	2.75
5	4	56	12	4	6	4	12	12	0	54	1.25	0	0	2	0	0	0	0	0	0	4	56	6	2.75	6	2.75	6	2.75
6	4	10	12	3	0	4	8	12	0	8	7.50	4	8	2	0	0	0	0	0	0	4	10	4	2.75	4	2.75	4	2.75
7	4	7	12	2	6	4	8	12	0	5	10.50	4	8	2	0	0	0	0	0	0	4	8	2	2.75	3	2.75	2	8.75

BILL OF REINFORCING STEEL — TABLE DATE 08-15-19

WALL SECTION	BARS F									BARS G2				BARS D			
	SIZE	NO.	SPACING	LENGTH BEGIN		LENGTH END		AVERAGE LENGTH		SIZE	NO.	LENGTH		SIZE	NO.	LENGTH	
			in.	FT.	IN.	FT.	IN.	FT.	IN.			FT.	IN.			FT.	IN.
1	4	10	12	3	2.75	2	2.75	2	8.75	4	6	8	11	5	3	1	6
2	4	10	12	2	2.75	2	2.75	2	2.75	4	6	8	8	5	3	1	6
3	4	41	12	4	2.75	4	2.75	4	2.75	4	20	19	8	5	10	1	6
4	4	71	12	5	2.75	5	2.75	5	2.75	4	36	23	0	5	18	1	6
5	4	56	12	6	2.75	6	2.75	6	2.75	4	42	17	10.50	5	21	1	6
6	4	10	12	4	2.75	4	2.75	4	10	4	10	8	9.50	5	5	1	6
7	4	8	12	2	2.75	3	2.75	2	8.75	4	6	6	0.50	5	3	1	6

NOTES

1. WORK THESE DATA TABLES WITH INDEX NO. 400-010.
2. CONCRETE CLASS II (F'C = 3400PSI) WITHOUT SILICA FUME, METAKAOLIN OR ULTRAFINE FLY ASH.
3. WALL EXPOSED FACE SURFACE TEXTURE SHALL BE TYPE "A" SMOOTH.
4. ENVIRONMENTAL CLASSIFICATION IS SLIGHTLY AGGRESSIVE.
5. MINIMUM SOIL NOMINAL BEARING RESISTANCE = 2000 PSF.
6. A VALUE OF '-' FOR SLOPE BACKWALL INDICATES FRONT AND BACK OF WALL ARE PARALLEL.
7. D_{SOIL} IS TYPICAL DEPTH OF SOIL AND IS USED FOR DESIGN PURPOSES ONLY. SEE CONTROL DRAWINGS FOR ACTUAL GROUND LINE.
8. NON-ZERO VALUES FOR L_{KEY} AND D_{KEY} INDICATE THE EXISTENCE OF A SHEAR KEY.
9. A NON-ZERO VALUE FOR V_{STEP} INDICATES THE EXISTENCE OF A FOOTING STEP, SEE CONTROL DRAWINGS FOR LOCATION.
10. BARS J, K, A AND F VARY UNIFORMLY BETWEEN BEGIN AND END WALL HEIGHTS AS INDICATED BY BEGIN AND END DIMENSIONS.
11. THE NUMBER OF G1 BARS INCLUDES 2 ADDITIONAL BARS WHEN A SHEAR KEY IS SPECIFIED.
12. FOR WALLS WITH VARIABLE BEGIN/END HEIGHT, BARS G2 SHALL BE FANNED SUCH THAT THEY ARE EVENLY SPACED THROUGHOUT LENGTH OF WALL.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KIMLEY-HORN AND ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION NO. 696
JOSEPH A. ROBERTS JR, P.E.
P.E. LICENSE NO. 78547
189 S. ORANGE AVE, SUITE 1000
ORLANDO, FLORIDA 32801

DRAWN BY: IERM
CHECKED BY: JAR
DESIGNED BY: IERM
CHECKED BY: JAR

LAKE COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
466A	LAKE	450253-5-54-01

SHEET TITLE: WALL DESIGN TABLE - RW-04

REF. DWG. NO.:

PROJECT NAME: COUNTY ROAD 466A MILLING AND RESURFACING

SHEET NO.: S-11