

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
STRUCTURE PLANS
POND MAP

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

CONTRACT PLANS

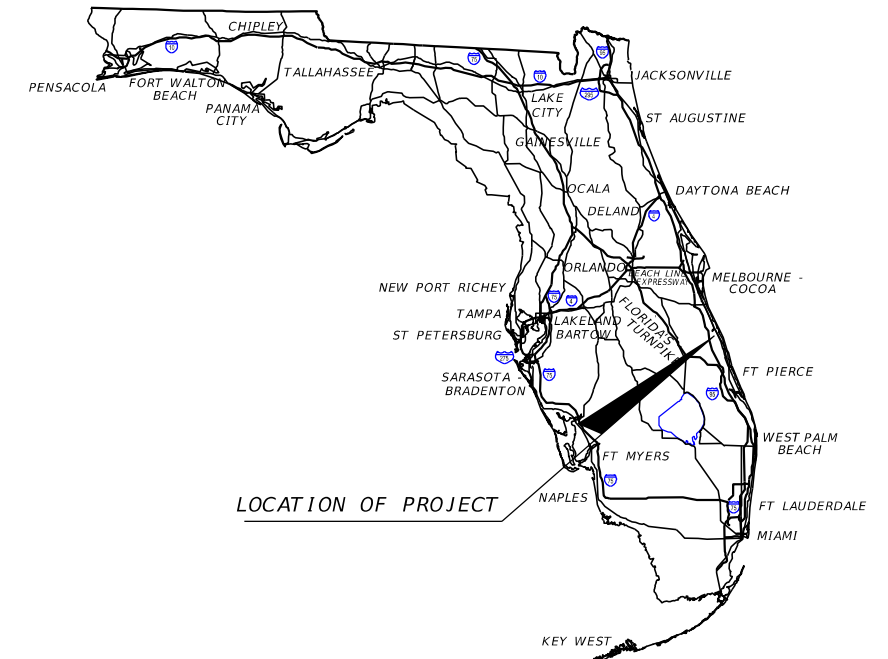
FINANCIAL PROJECT ID 405606-2-22-02

INDIAN RIVER COUNTY (88)

COUNTY ROAD NO. CR 510
FROM CR 512 TO 58 AVENUE

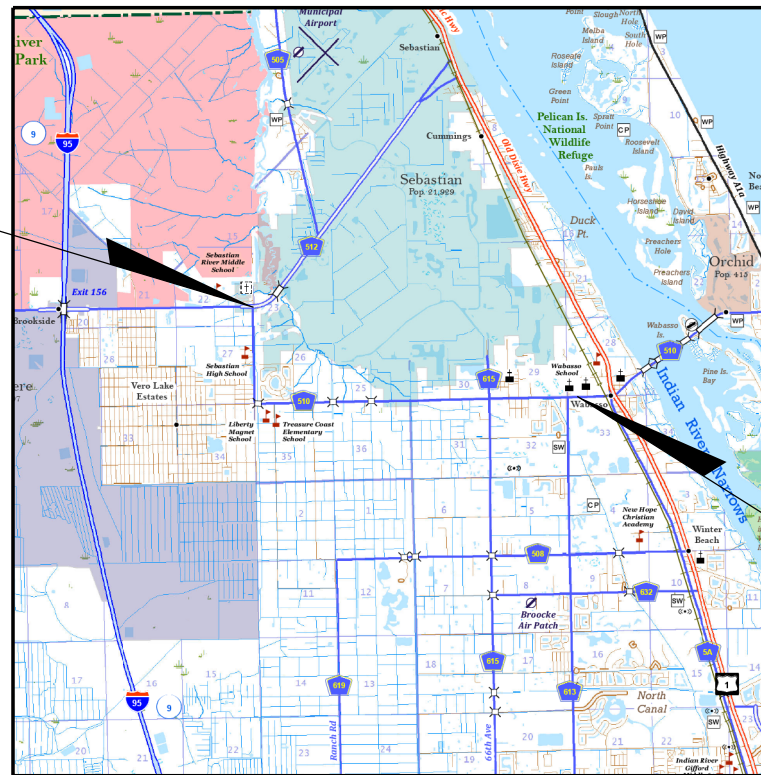
INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
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5 - 25	ROADWAY PLANS
26 - 46	PROFILE
47 - 55	ALTERNATIVE 1 DRAINAGE (RIGHT OF WAY IMPACTS)



LOCATION OF PROJECT

BEGIN PROJECT
STA. 100+00.00



END PROJECT
STA. 380+40.07

GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, FY 2017 Design Standards eBook (DSeB) and applicable Design Standards Revisions (DSRs) at the following website:
<http://www.fdot.gov/roadway/DesignStandards/Standards.shtm>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, 2017 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

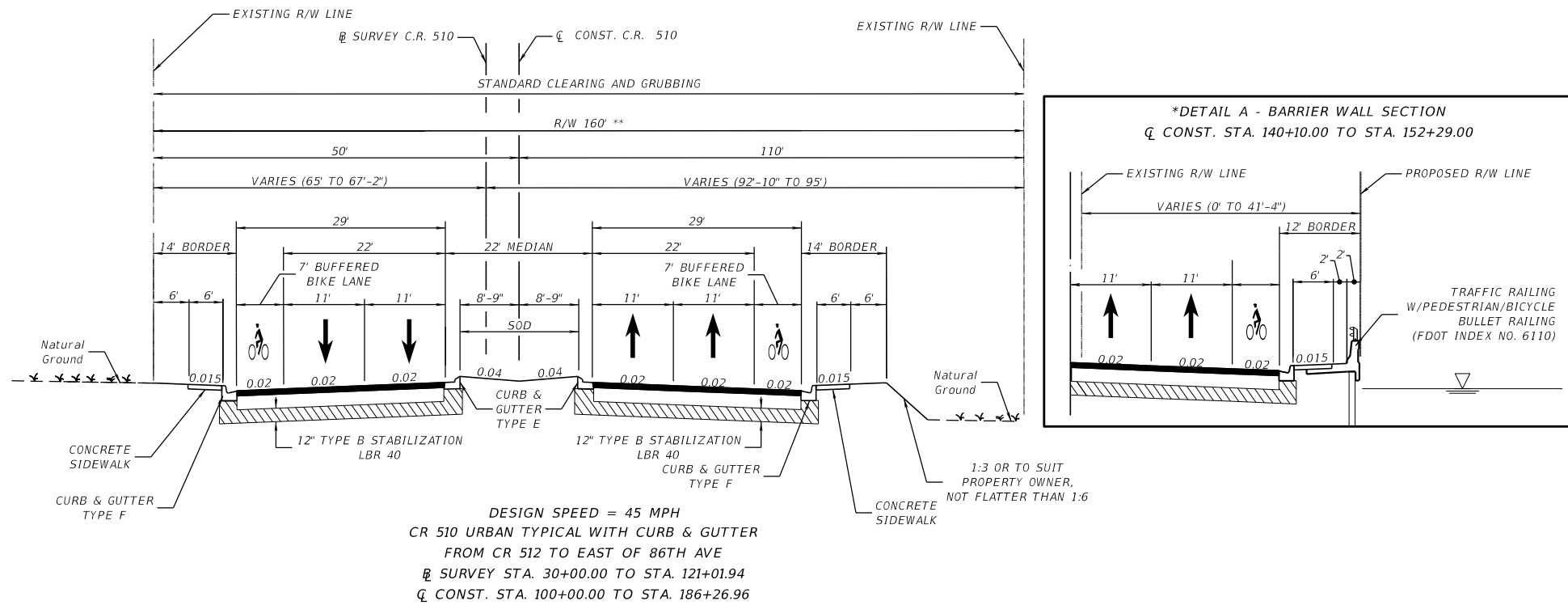
**ROADWAY PLANS
ENGINEER OF RECORD:**

CARLOS D. RODRIGUEZ, P.E.
P.E. LICENSE NUMBER 72638
METRIC ENGINEERING, INC.
13940 SW 136th STREET - SUITE 200
MIAMI, FLORIDA - 33186
CERTIFICATE OF AUTHORIZATION 00002294

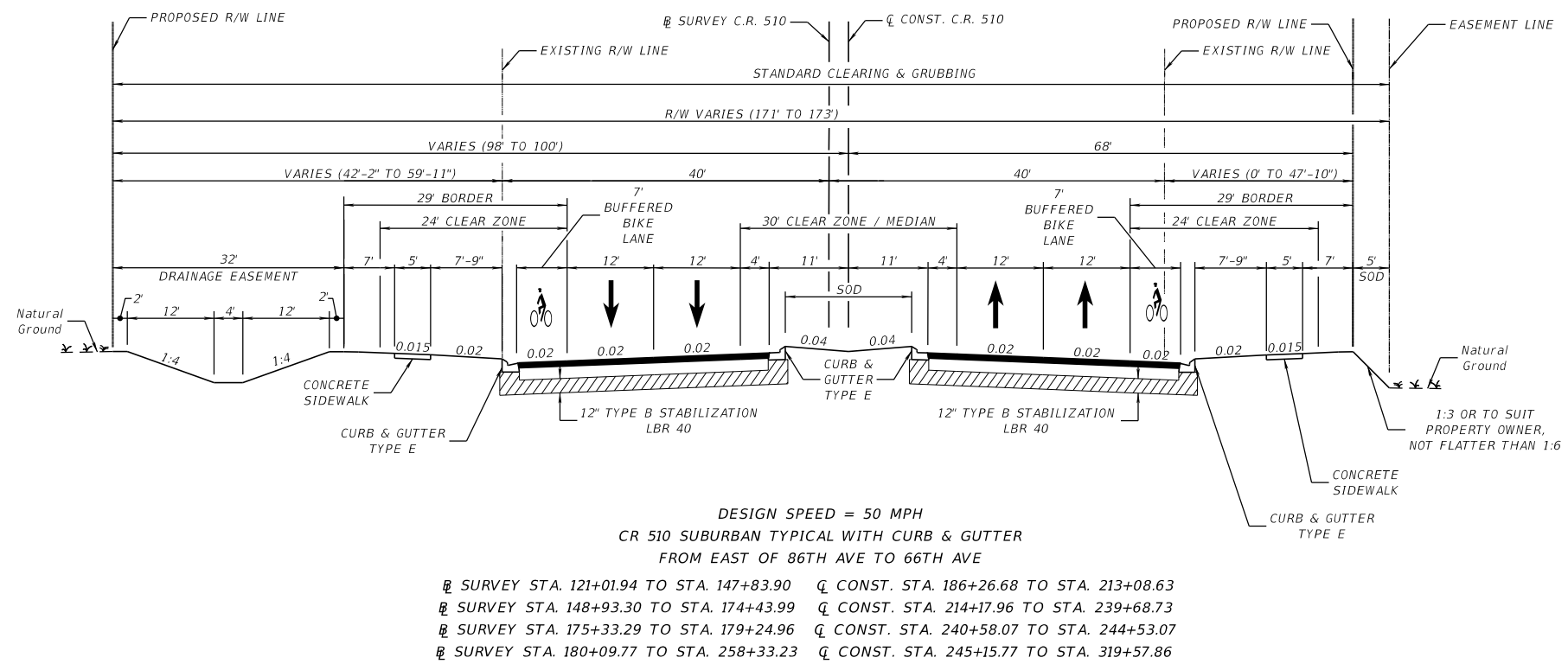
FDOT PROJECT MANAGER:

MARIA FORMOSO, P.E. , PMP

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
		1



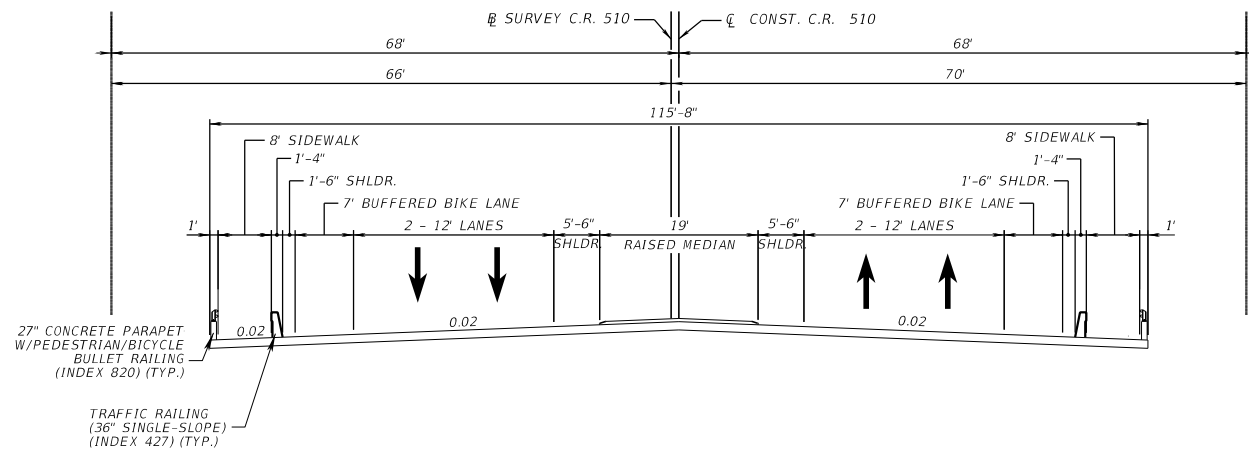
* TURF OR SOD
 ** R/W VARIES FROM SURVEY STA. 70+93.49 TO STA. 121+01.94 & CONST. STA. 141+31.02 TO STA. 186+26.96
 R/W DIMENSIONS ARE NOT REFLECTED. SEE CONCEPT PLANS FOR DETAILS.



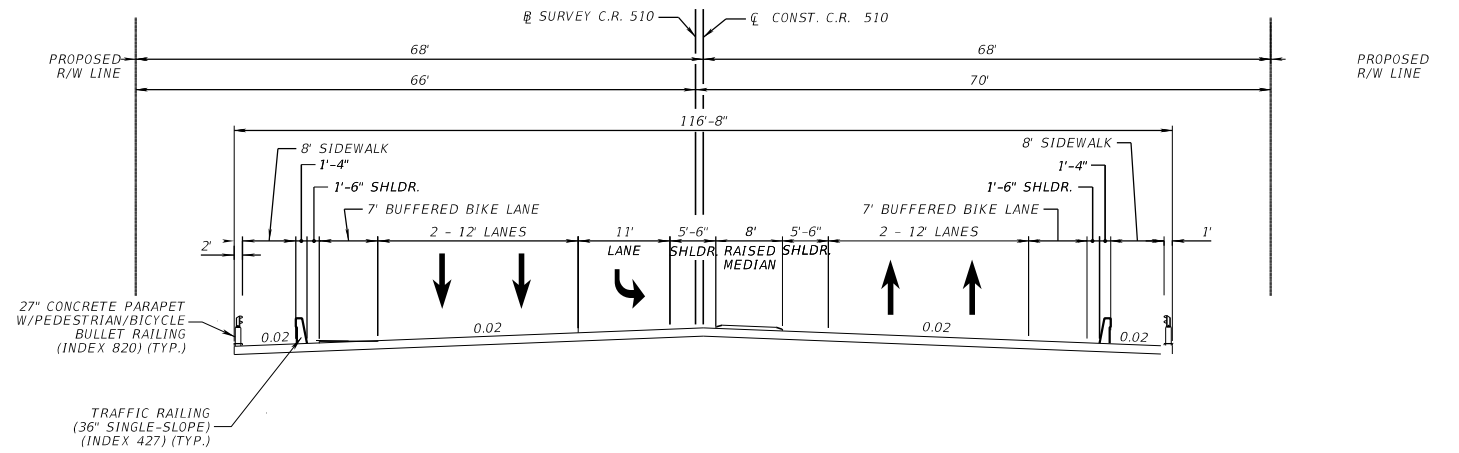
REVISIONS				METRIC ENGINEERING, INC. 13940 S.W. 136 STREET SUITE 200 MIAMI, FLORIDA 33186 TEL. (305) 235-5098 FAX. (305) 235-5271 CERTIFICATE OF AUTHORIZATION 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					CR 510	INDIAN RIVER	405606-2-22-02	

TYPICAL SECTION

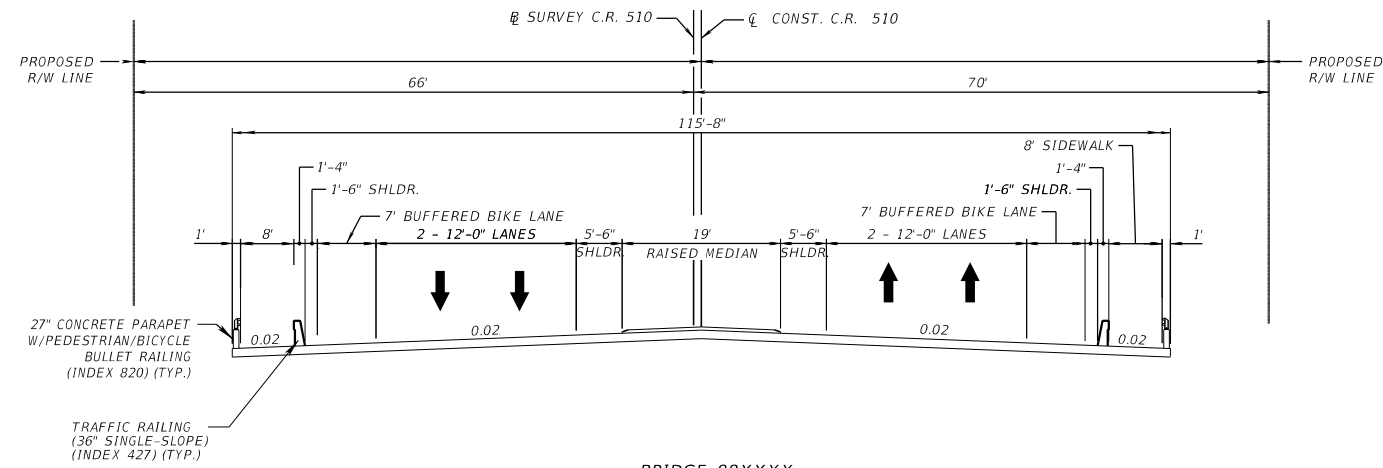
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BRIDGE 88XXXX
CR 510 OVER LATERAL C CANAL
 DESIGN SPEED = 50 MPH
 @ SURVEY STA. 147+83.90 TO STA. 148+93.30
 @ CONST. STA. 212+95.00 TO STA. 214+20.00



BRIDGE 88XXXX
CR 510 OVER LATERAL L CANAL
 DESIGN SPEED = 50 MPH
 @ SURVEY STA. 174+43.99 TO STA. 175+33.29
 @ CONST. STA. 239+43.00 TO STA. 240+57.00



BRIDGE 88XXXX
CR 510 OVER SLOUGH
 DESIGN SPEED = 50 MPH
 @ SURVEY STA. 179+24.96 TO STA. 180+09.77
 @ CONST. STA. 244+31.05 TO STA. 245+37.79

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

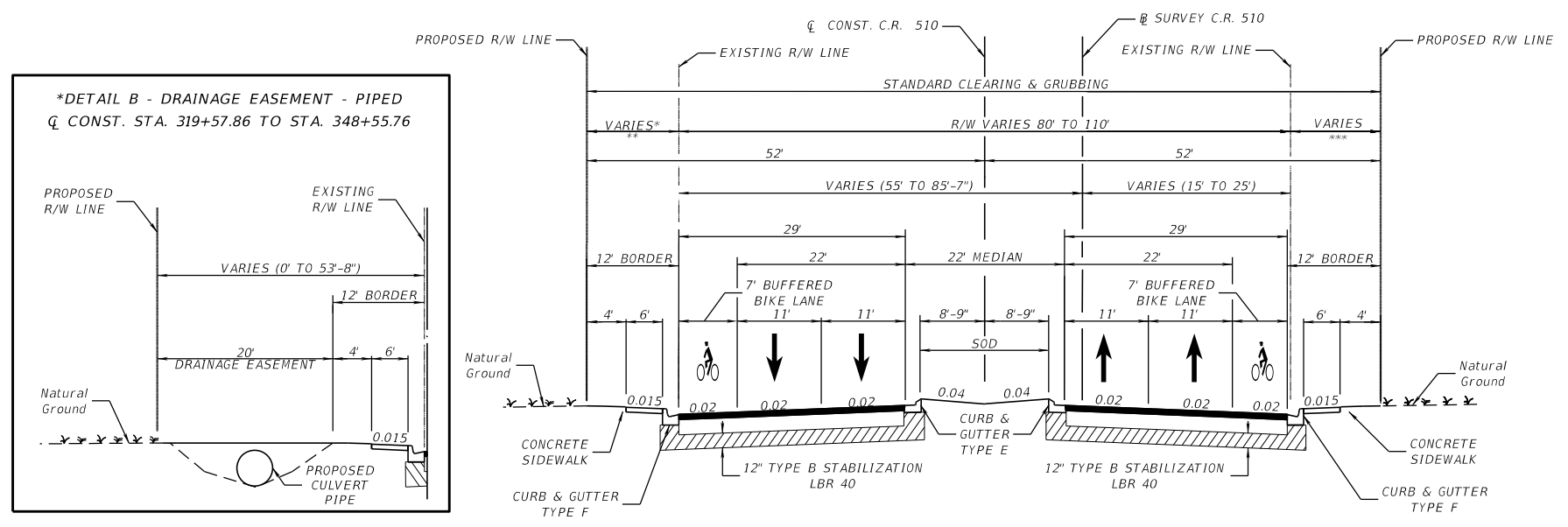
METRIC ENGINEERING, INC.
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 SUITE 200
 MIAMI, FLORIDA 33186
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

TYPICAL SECTION

SHEET NO.
3

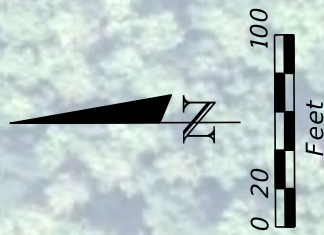
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** VARIES (0' TO 53'-8") FROM Q CONST. STA. 319+57.86 TO STA. 348+55.76
 *** VARIES (0' TO 28') FROM Q CONST. STA. 343+15.10 TO STA. 380+39.04

REVISIONS				METRIC ENGINEERING, INC. 13940 S.W. 136 STREET SUITE 200 MIAMI, FLORIDA 33186 TEL. (305) 235-5098 FAX. (305) 235-5271 CERTIFICATE OF AUTHORIZATION 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO. 4
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BEGIN PROJECT
 BEGIN WIDDENING
 MILLING & RESURFACING
 STA.279+93.50

CURVE DATA											
CURVE NO.	LINE	P.C. STATION	P.I. STATION	P.T. STATION	Δ	D	T	L	R	e	DESIGN SPEED
BL5121	BL512	276+07.14	285+23.10	294+23.11	52° 1' 23.95"	2° 51' 53.24"	975.96	1815.95	2000.00	NC	45
CLB1	CL510	141+87.73	145+05.40	148+22.71	4° 45' 43.26"	0° 44' 59.80"	317.6740	634.9823	7640.00	RC	45
CLB2	CL510	148+22.71	151+40.39	154+57.70	4° 45' 43.26"	0° 44' 59.80"	317.6741	634.9825	7640.00	RC	45
CLB3	CL510	154+84.72	165+79.44	172+02.18	90° 08' 33.86"	5° 15' 06.03"	1093.7214	1716.4568	1091.00	RC	45
C72	CL510	285+00.00	289+03.76	293+07.46	1° 48' 51.38"	0° 13' 28.88"	403.7628	807.4580	25500.00	NC	50
C73	CL510	293+07.46	297+21.45	301+35.41	1° 11' 09.44"	0° 08' 35.66"	413.9916	827.9536	40000.00	NC	50
CLB6	CL510	324+69.03	326+69.09	328+69.07	2° 51' 54.31"	0° 42' 58.31"	200.0625	400.0417	8000.00	NC	45
CLB7	CL510	328+69.07	330+69.13	332+69.11	2° 51' 54.31"	0° 42' 58.31"	200.0625	400.0417	8000.00	NC	45
CLB8	CL510	339+02.16	342+04.68	345+06.94	4° 04' 35.79"	0° 40' 26.64"	302.5161	604.7770	8500.00	NC	45
CLB9	CL510	345+06.94	347+82.52	350+57.92	3° 42' 50.33"	0° 40' 26.64"	275.5865	550.9799	8500.00	NC	45
C77	NWE87ST	24+10.27	26+20.65	28+30.32	8° 09' 30.00"	1° 56' 32.00"	210.3800	420.0500	2950.00	NC	35



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 13940 S.W. 136 STREET
 SUITE 200
 MIAMI, FLORIDA 33186
 TEL. (305) 235-5098
 FAX. (305) 235-5271
 CERTIFICATE OF AUTHORIZATION 2294

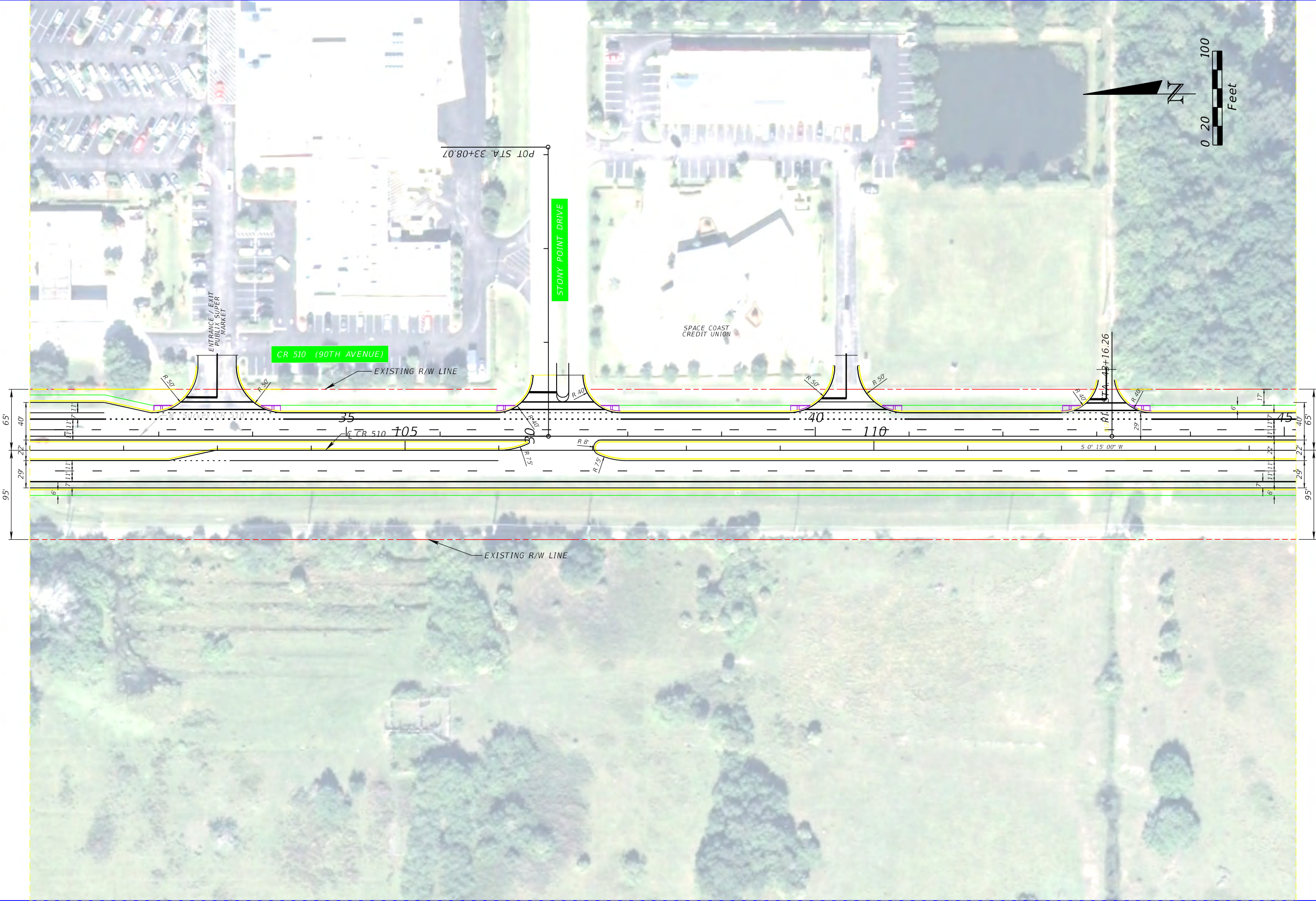
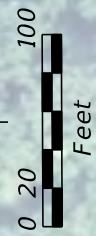
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

ROADWAY PLANS

SHEET NO.
5

100+00.00

114+50.00



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ROADWAY PLANS

SHEET NO.
6

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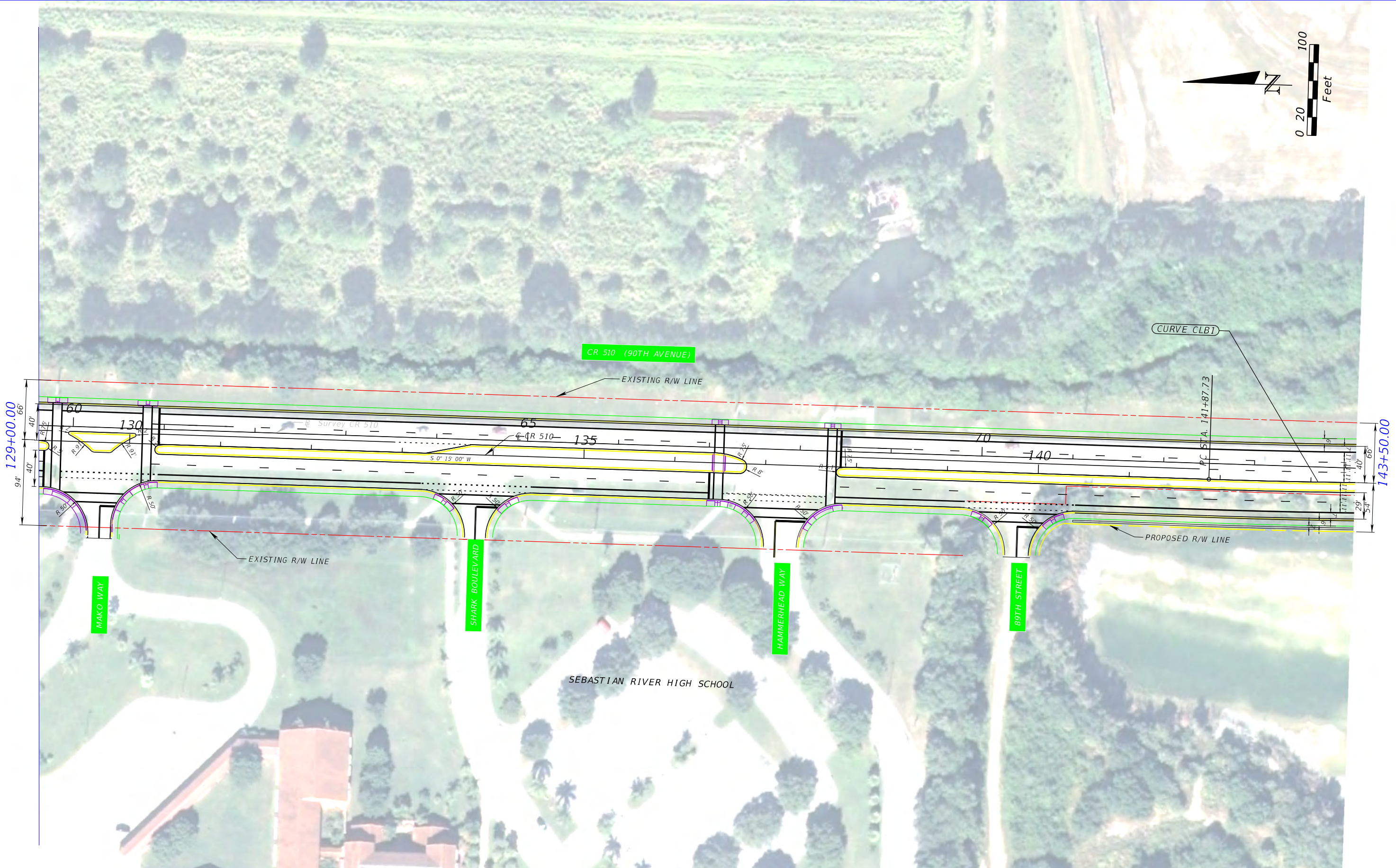
METRIC ENGINEERING, INC.
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ROADWAY PLANS

SHEET NO.
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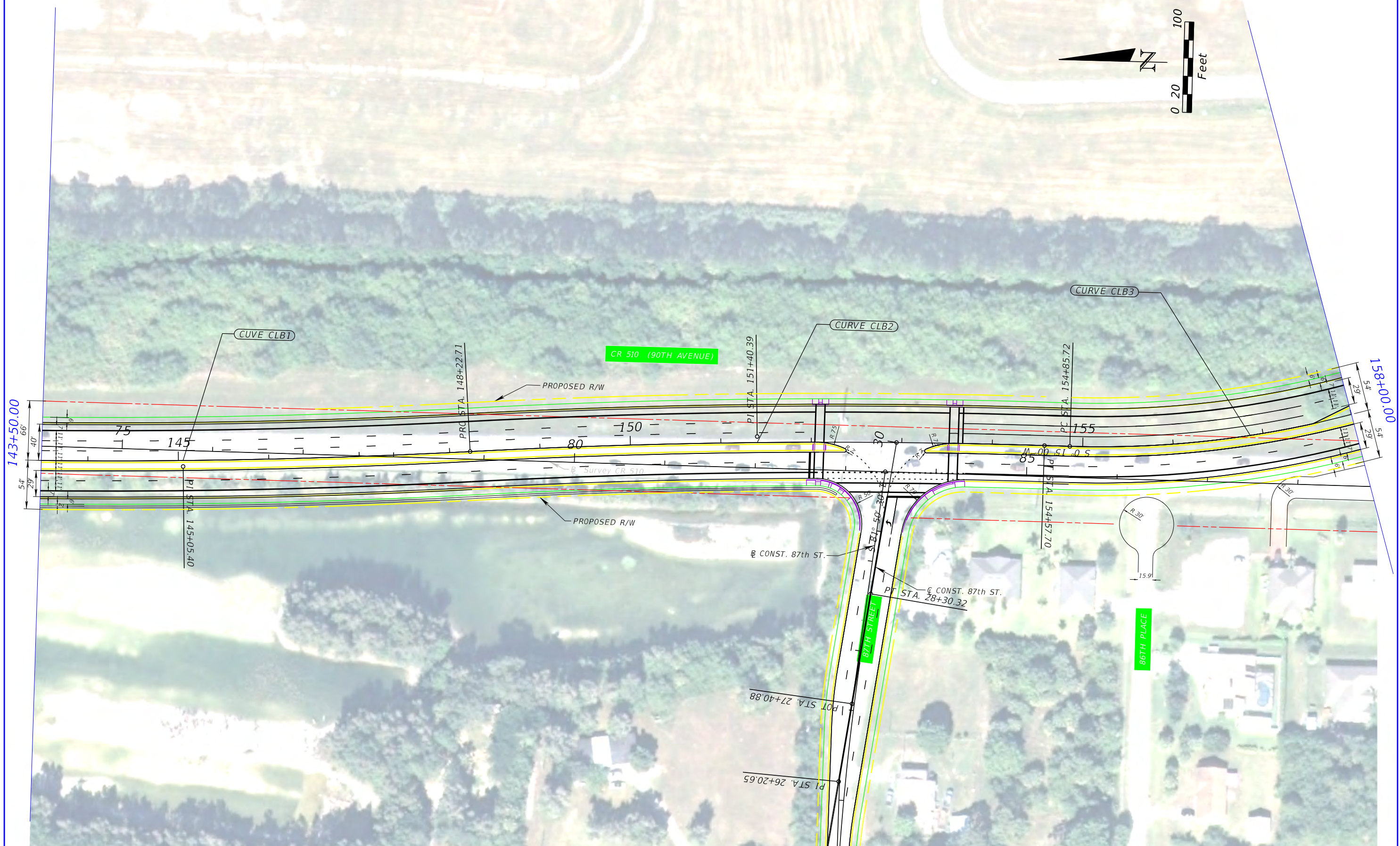
METRIC ENGINEERING, INC.
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ROADWAY PLANS

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8

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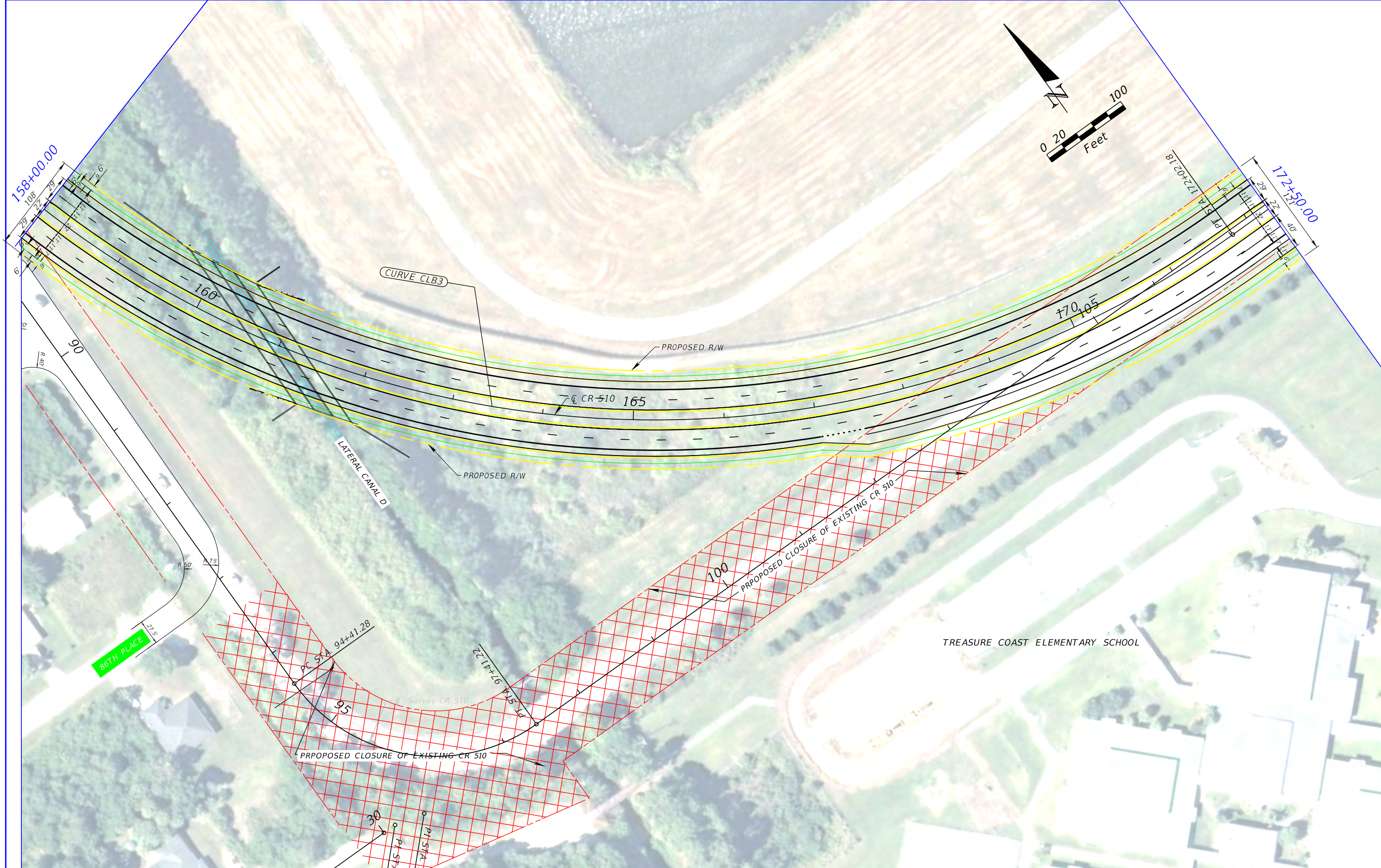
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ROADWAY PLANS

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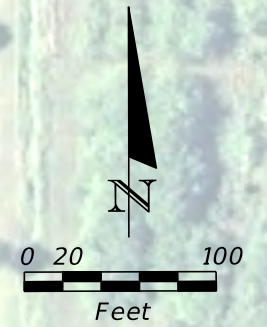
ROADWAY PLANS

SHEET NO.
10



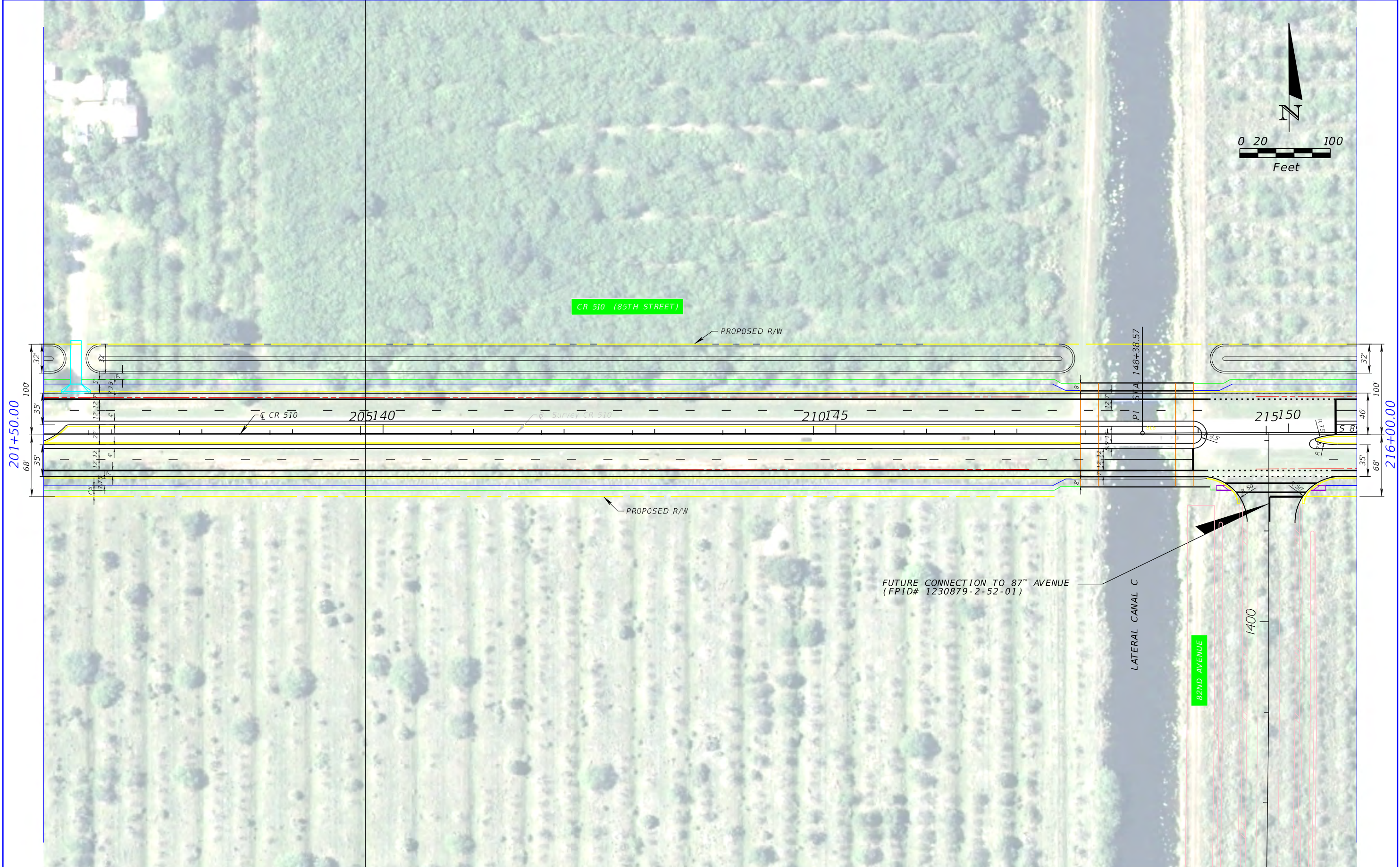
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					CR 510	INDIAN RIVER	405606-2-22-02		11

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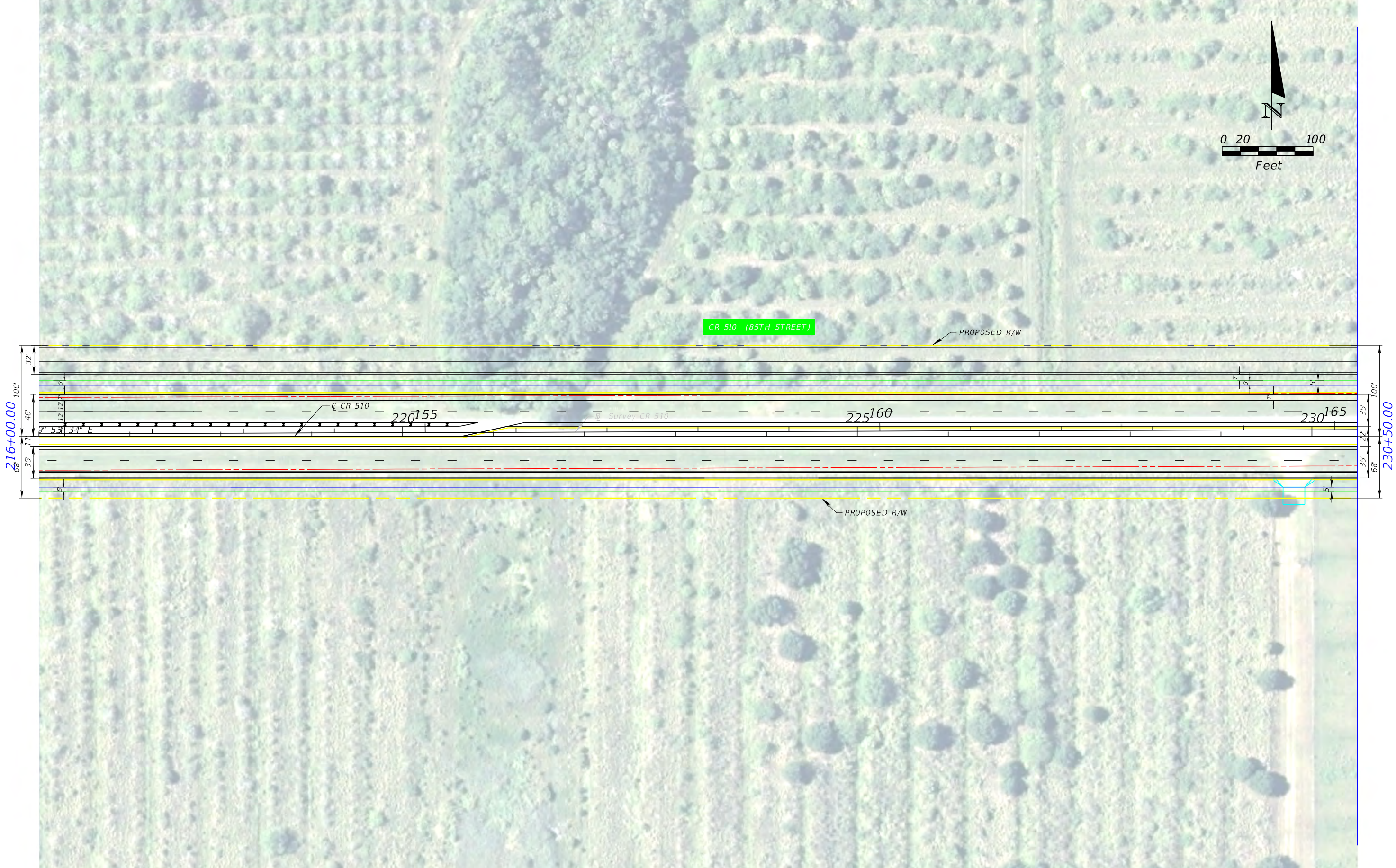
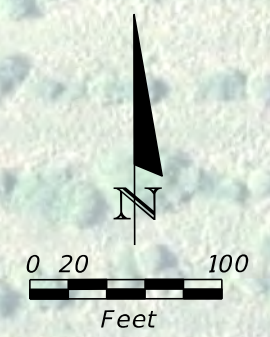
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ROADWAY PLANS

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13

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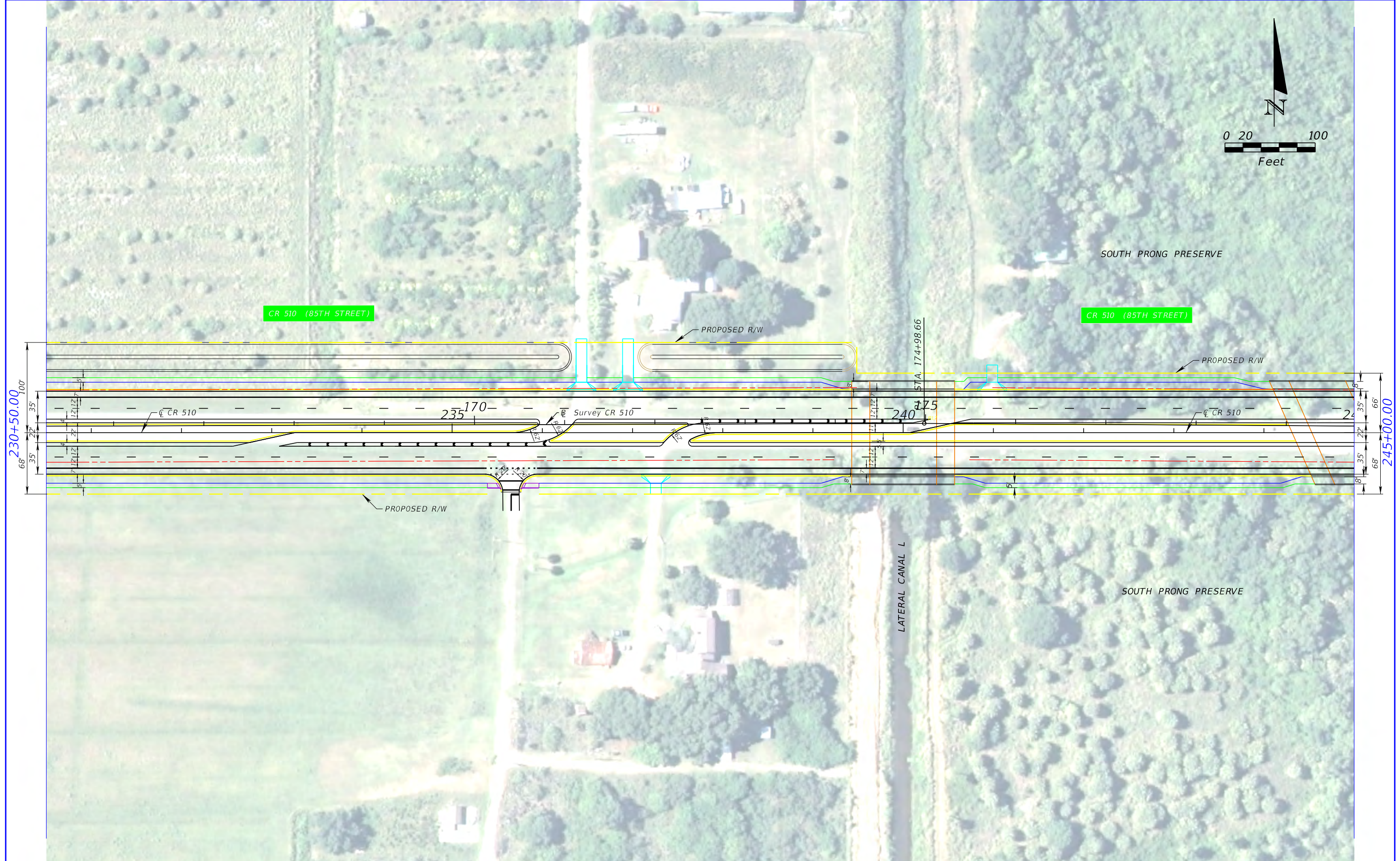
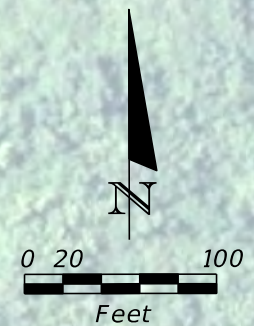
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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ROADWAY PLANS

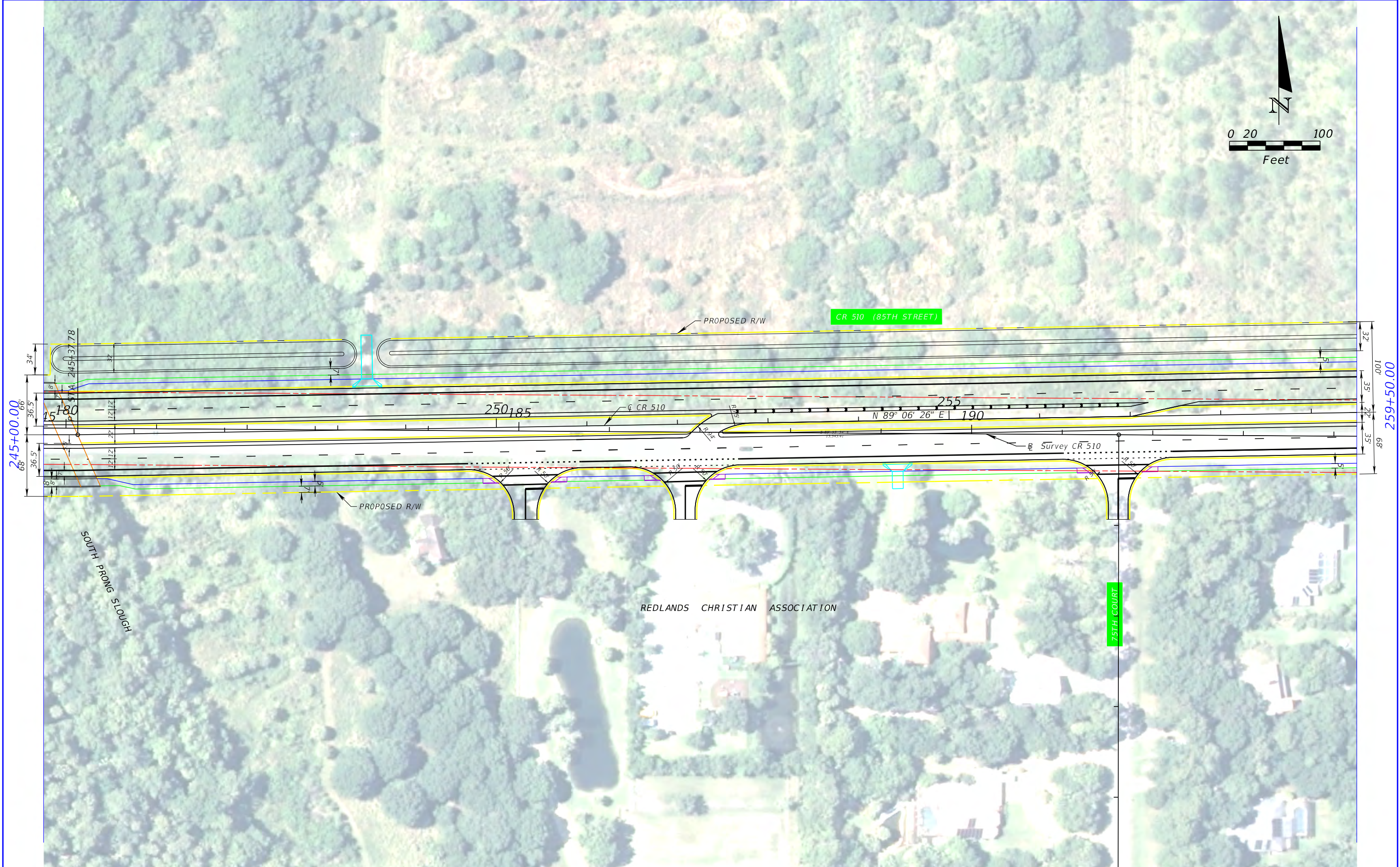
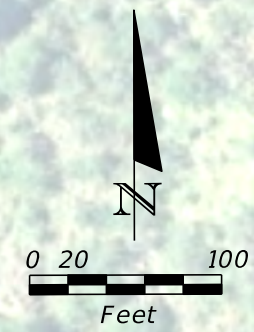
SHEET NO.
14

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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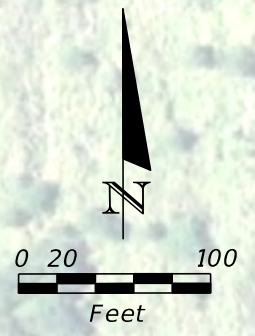
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ROADWAY PLANS

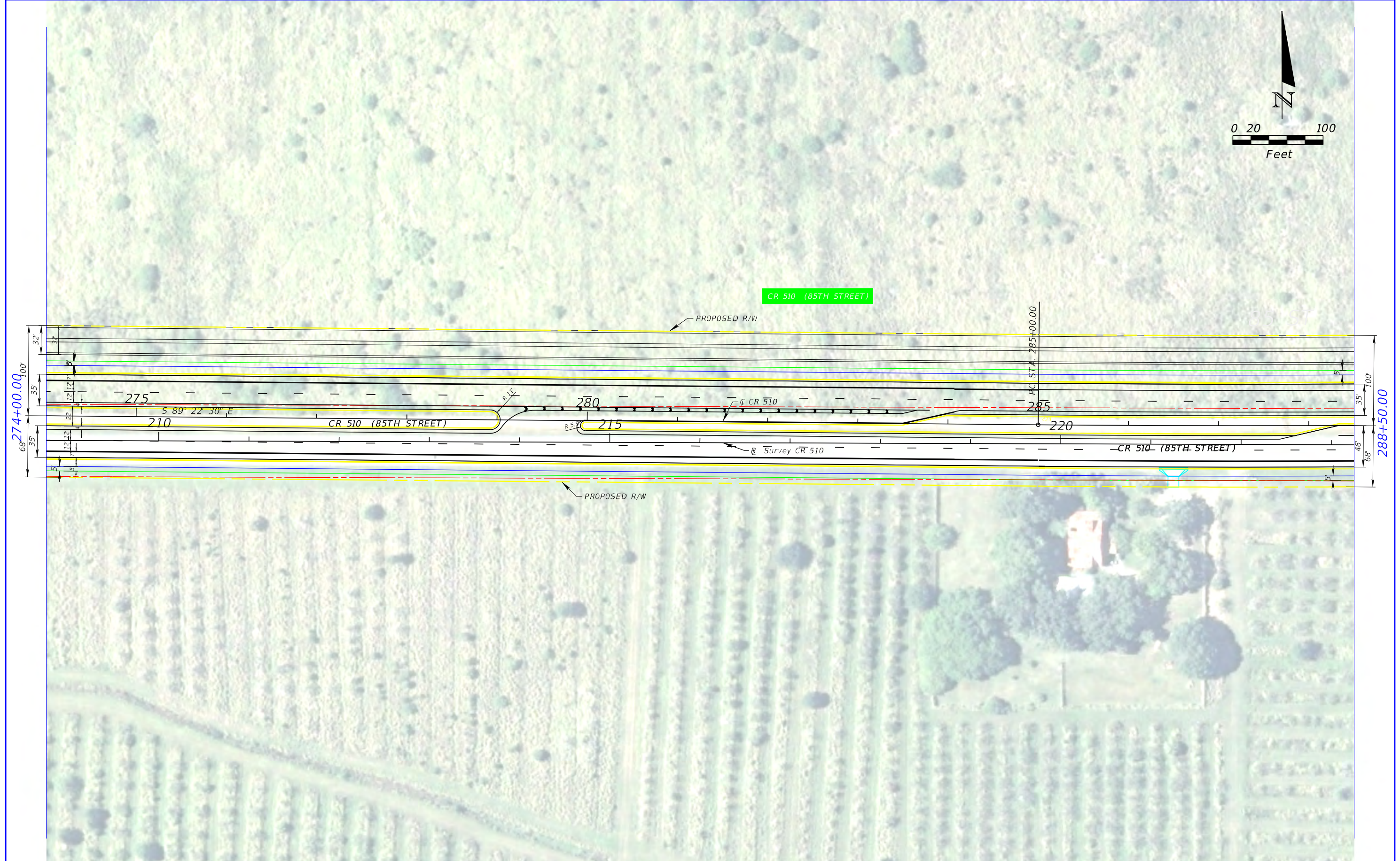
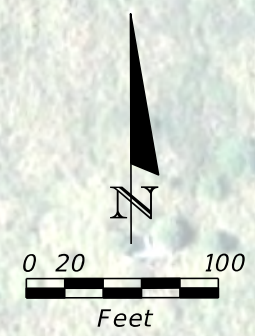
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16

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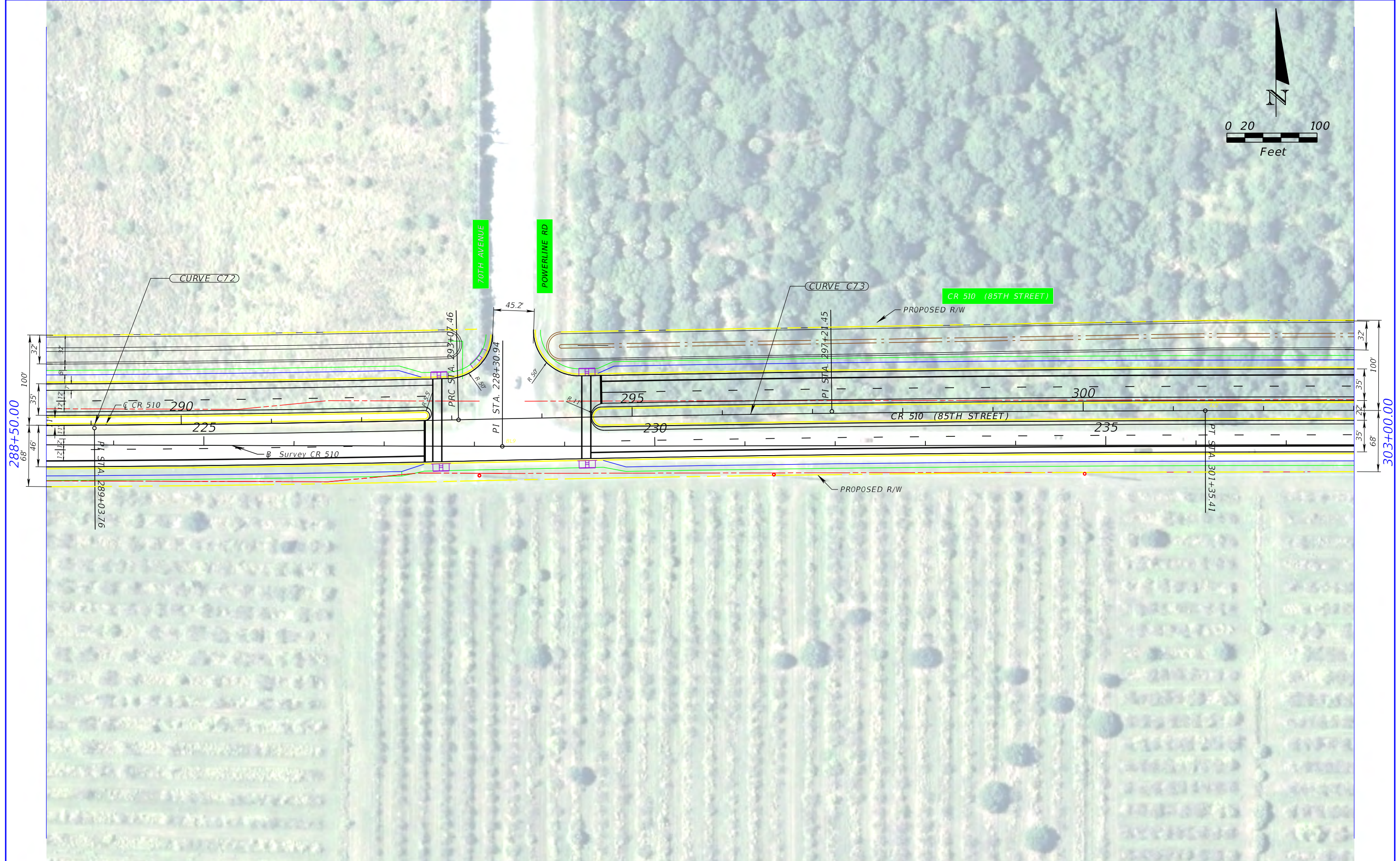
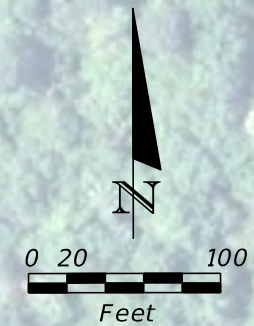
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ROADWAY PLANS

SHEET NO.
18

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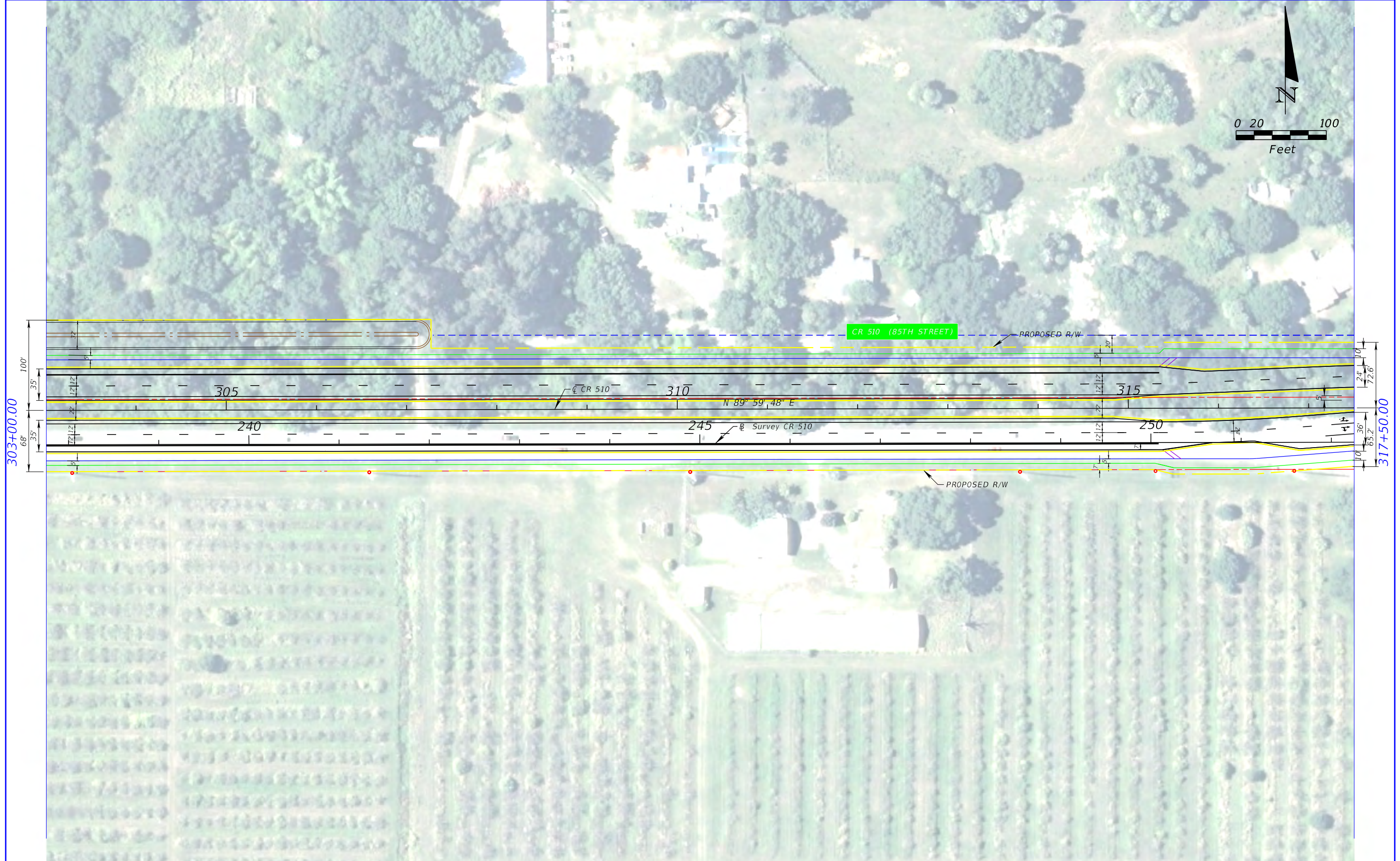
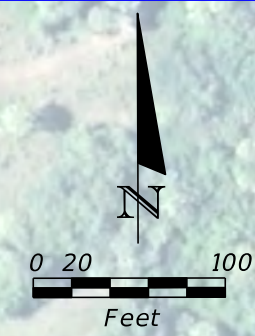


288+50.00

303+00.00

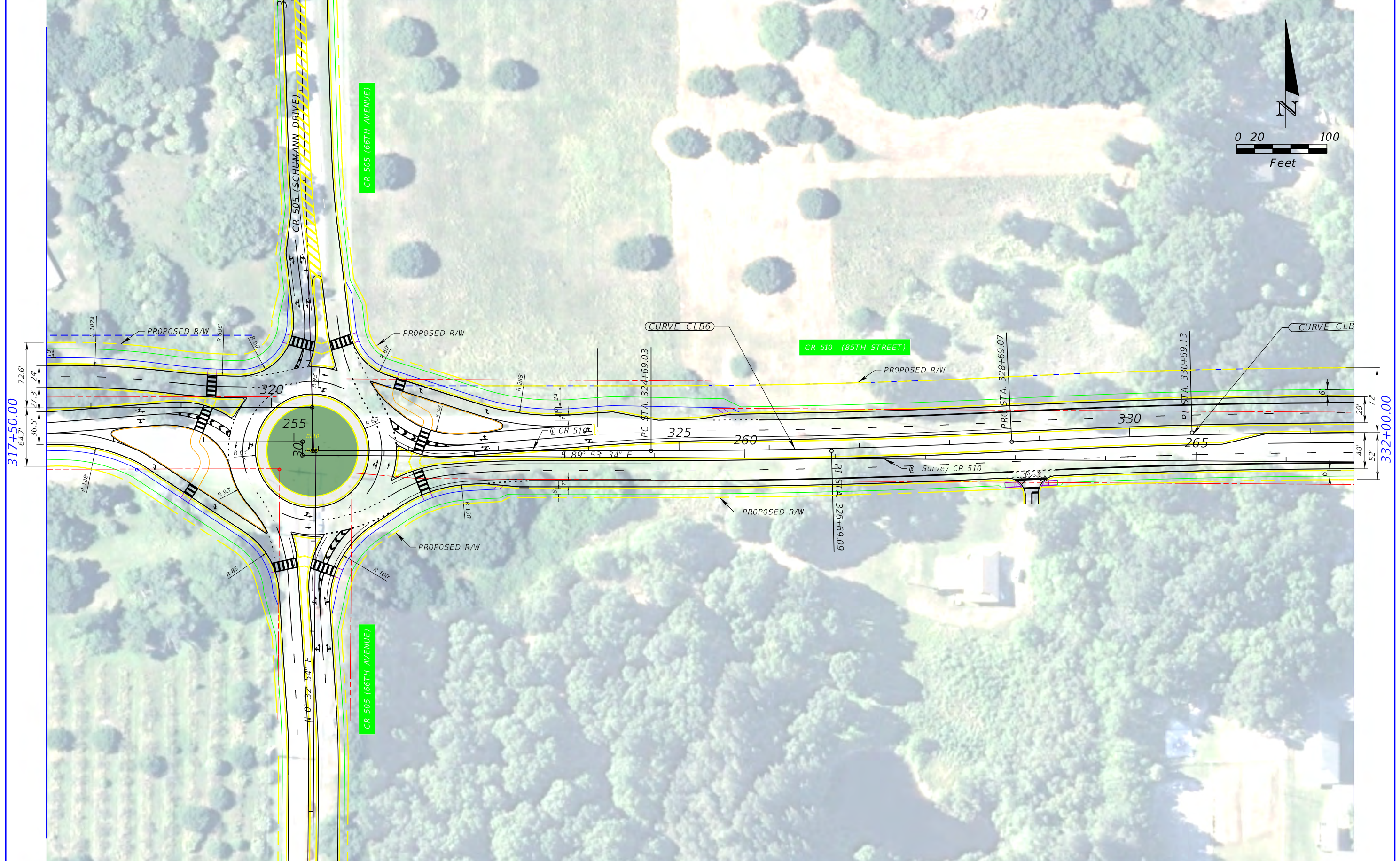
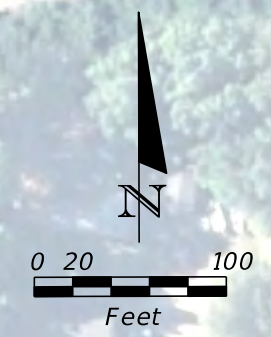
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

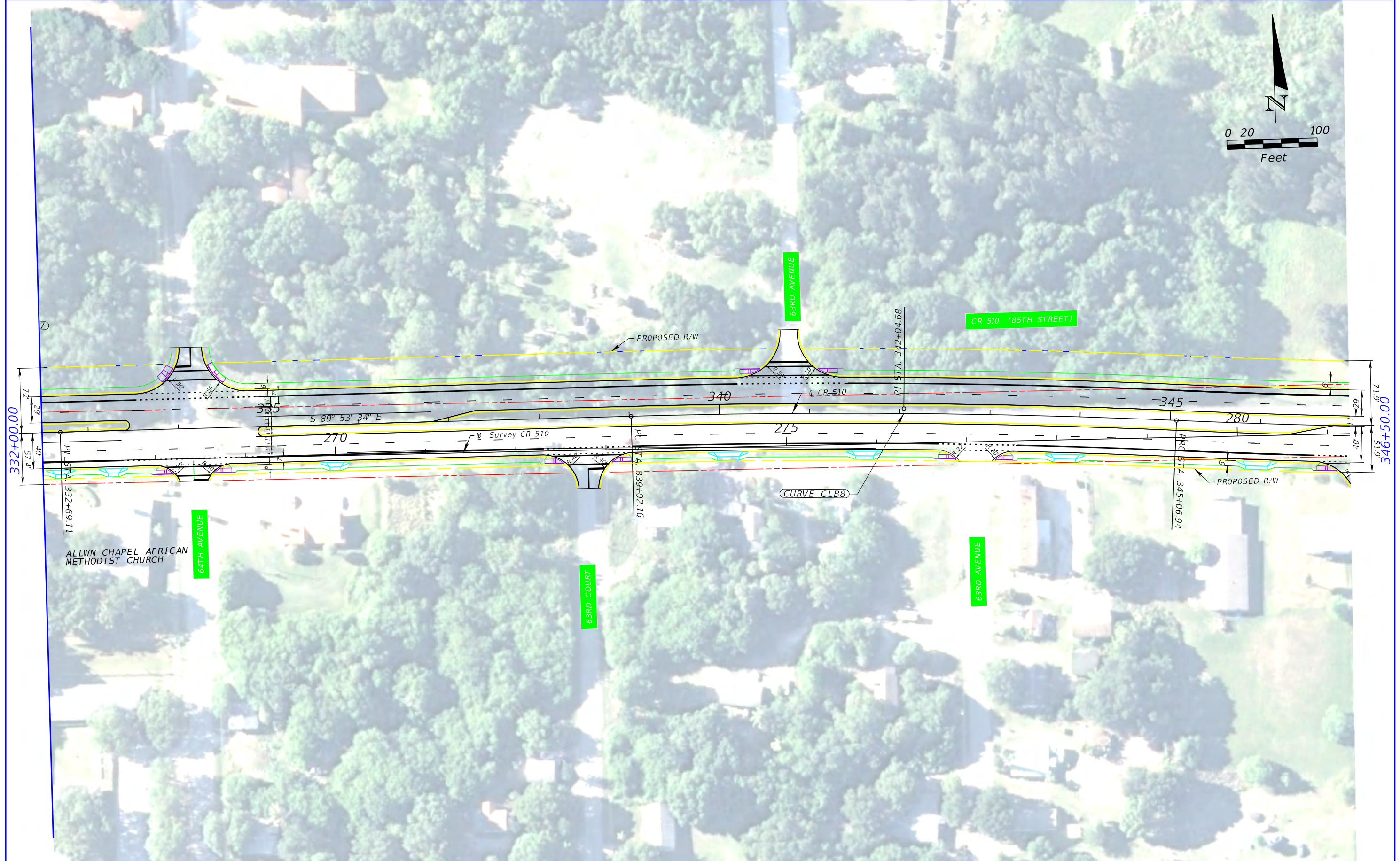
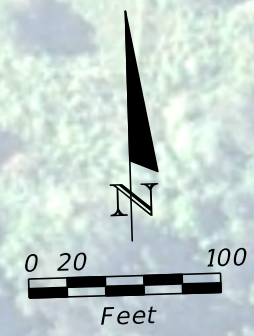
METRIC ENGINEERING, INC.
 13940 S.W. 136 STREET
 SUITE 200
 MIAMI, FLORIDA 33186
 TEL. (305) 235-5098
 FAX. (305) 235-5271
 CERTIFICATE OF AUTHORIZATION 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

ROADWAY PLANS

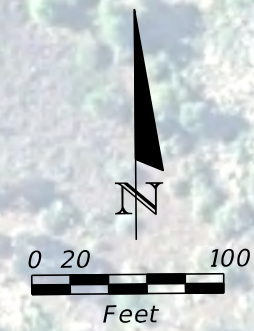
SHEET NO.
21

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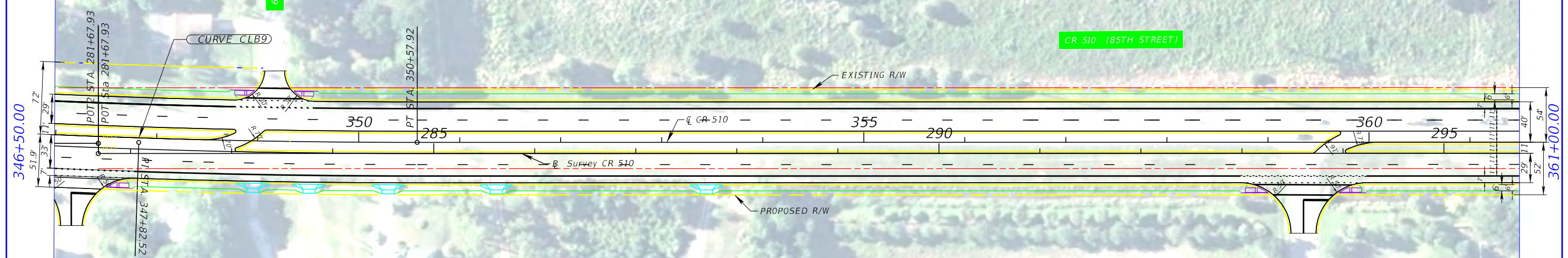
REVISIONS				METRIC ENGINEERING, INC. 13940 S.W. 136 STREET SUITE 200 MIAMI, FLORIDA 33186 TEL. (305) 235-5098 FAX. (305) 235-5271 CERTIFICATE OF AUTHORIZATION 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						CR 510	INDIAN RIVER		405606-2-22-02

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WABASSO SNO CONSERVATION AREA

CR 510 (85TH STREET)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

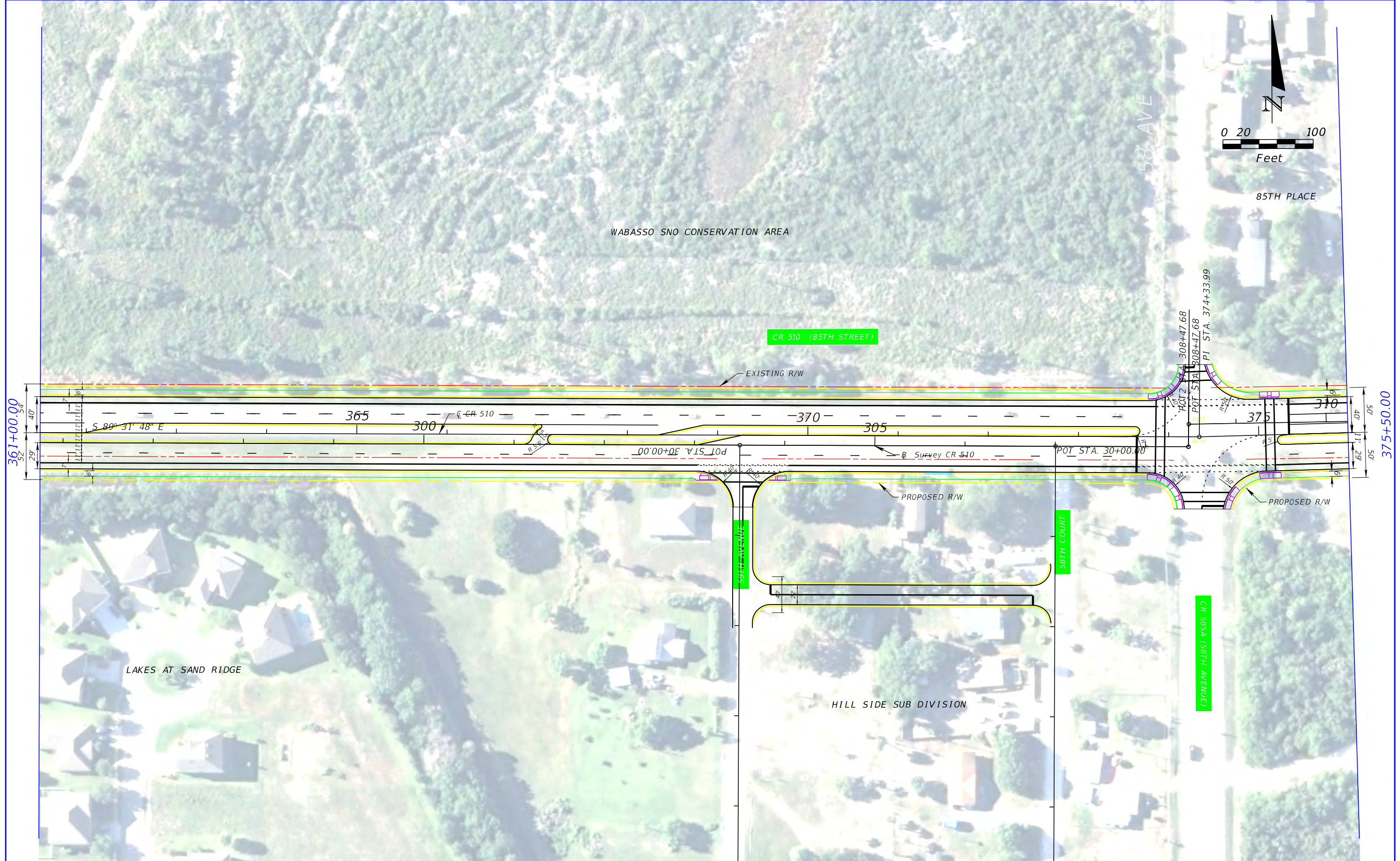
METRIC ENGINEERING, INC.
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 MIAMI, FLORIDA 33186
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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ROADWAY PLANS

SHEET NO.
23

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REVISIONS			
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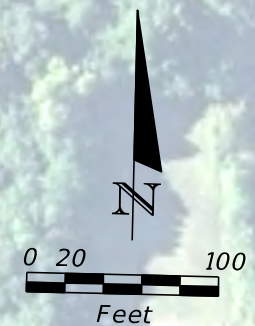
METRIC ENGINEERING, INC.
 13940 S.W. 136 STREET
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

ROADWAY PLANS

SHEET NO.
24

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375+50.00

CR 510 (85TH STREET)

END PROJECT
STA. 380+40.07

PROPOSED R/W

N 88° 39' 59" E

CR 510

380

POT STA. 380+88.05

320

POT STA. 30+00.00

EXISTING R/W

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

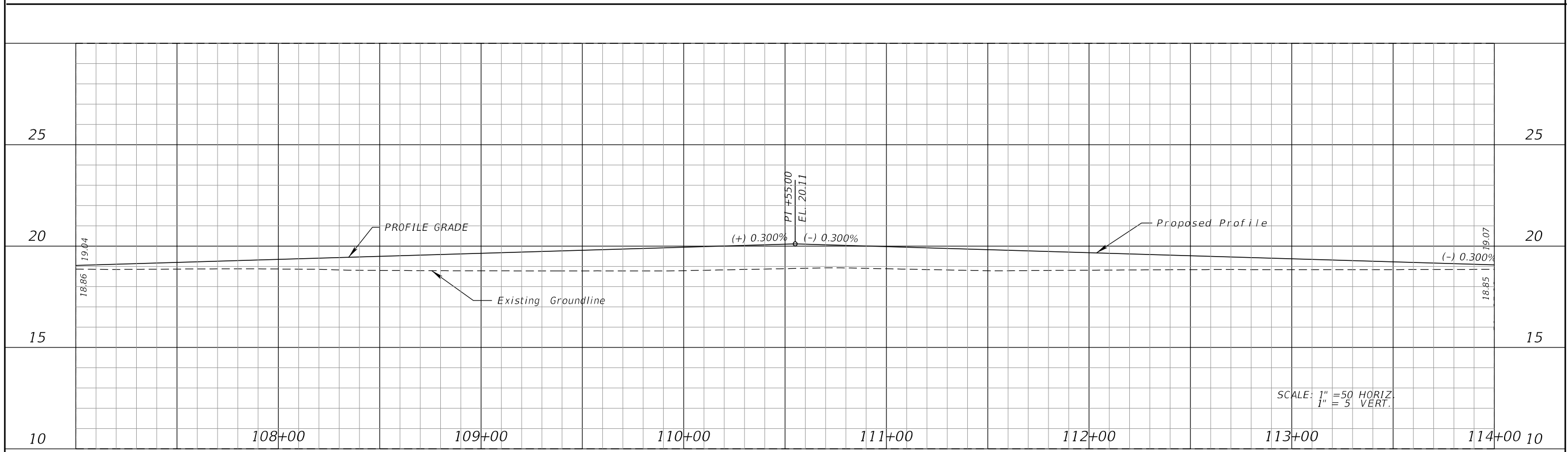
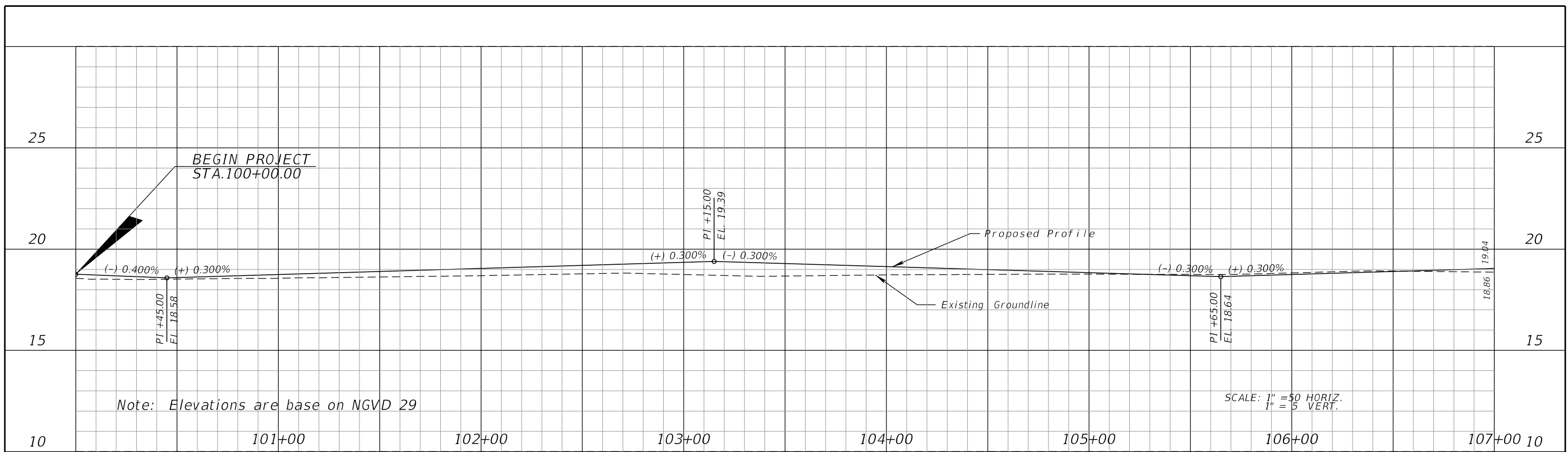
METRIC ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

ROADWAY PLANS

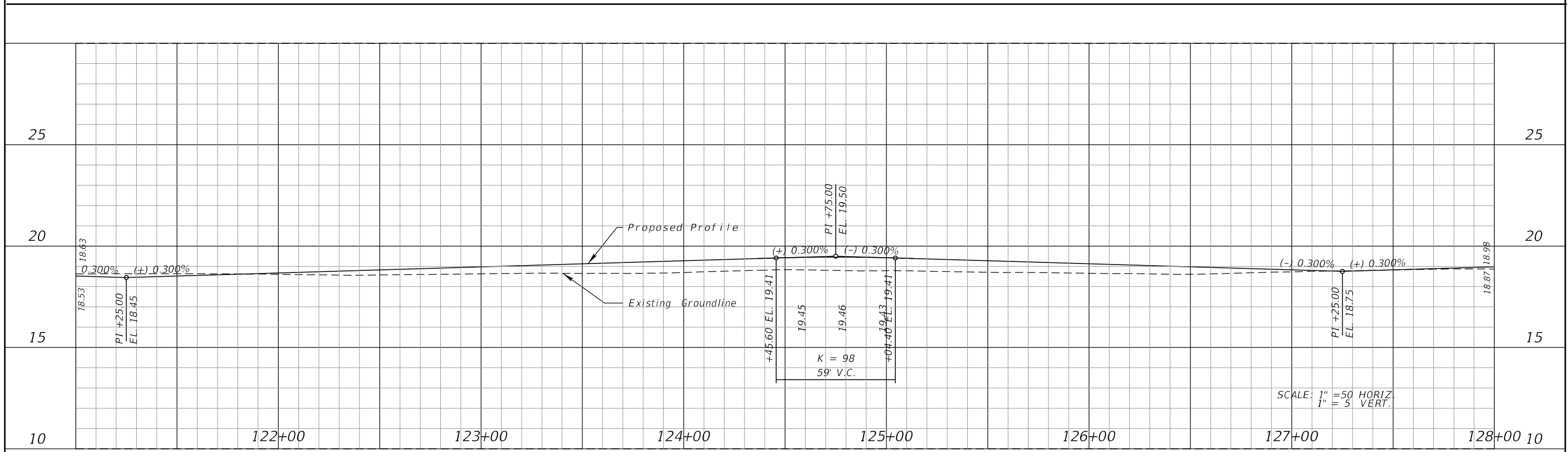
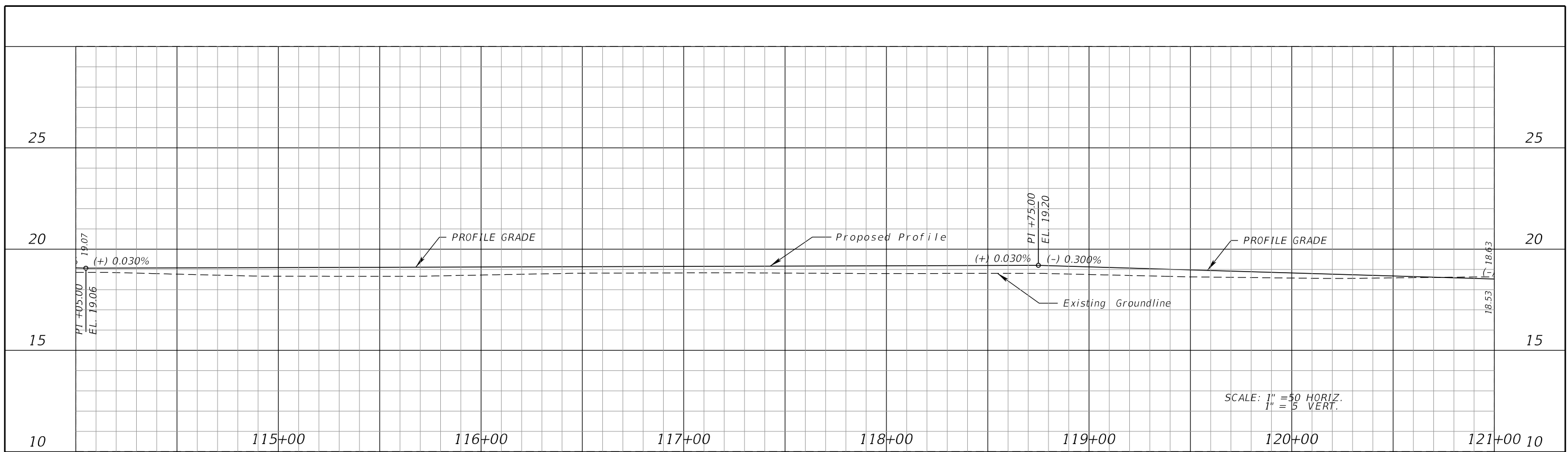
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 510	INDIAN RIVER	405606-2-22-02		26

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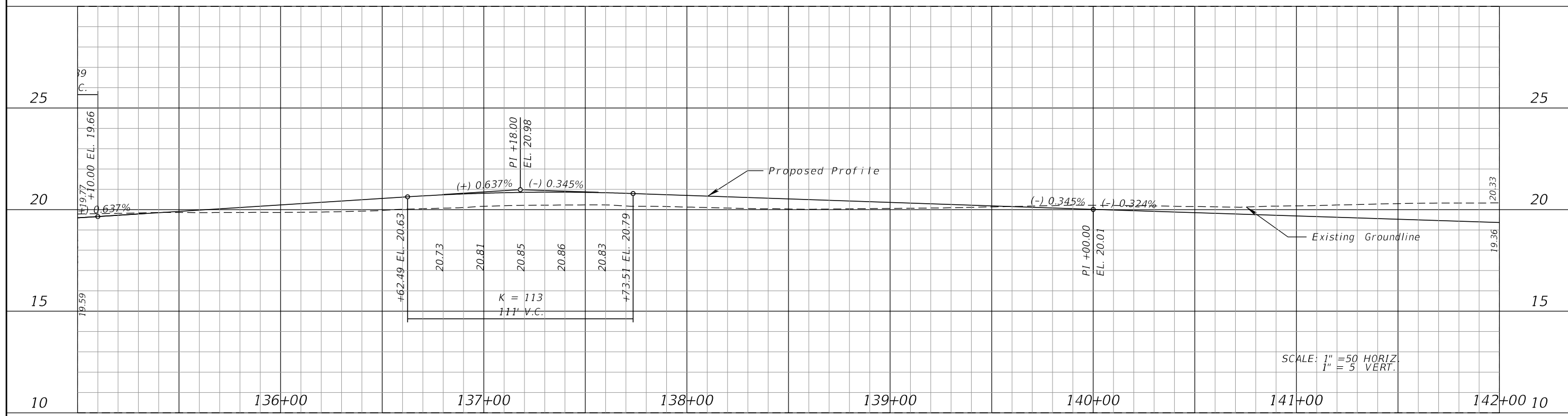
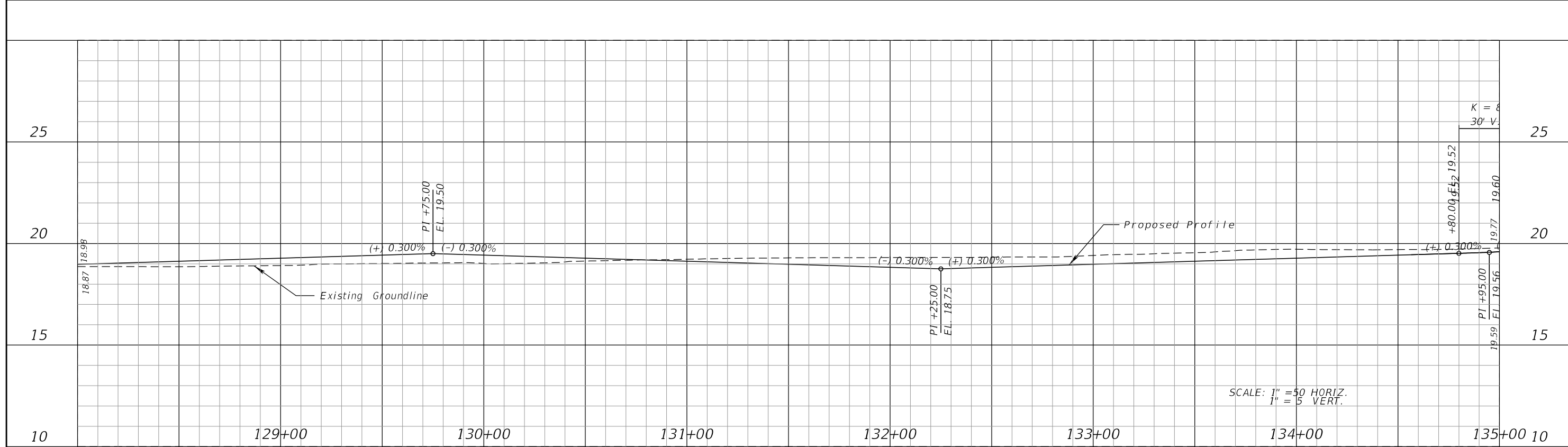
METRIC ENGINEERING, INC.
 13940 S.W. 136 STREET
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

PROFILE

SHEET NO.
27

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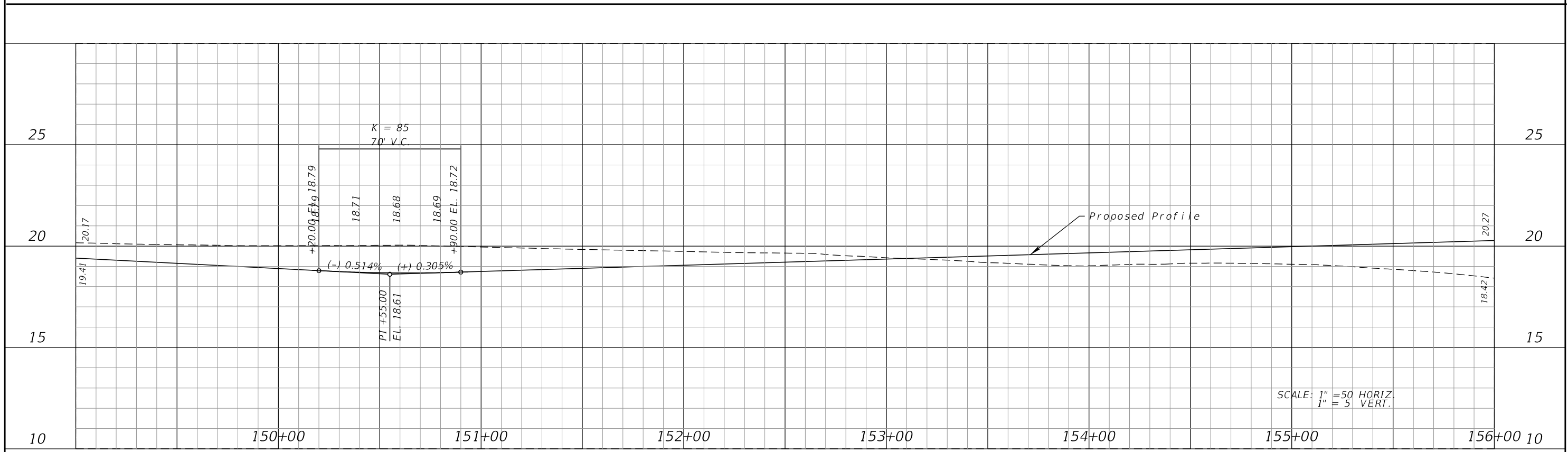
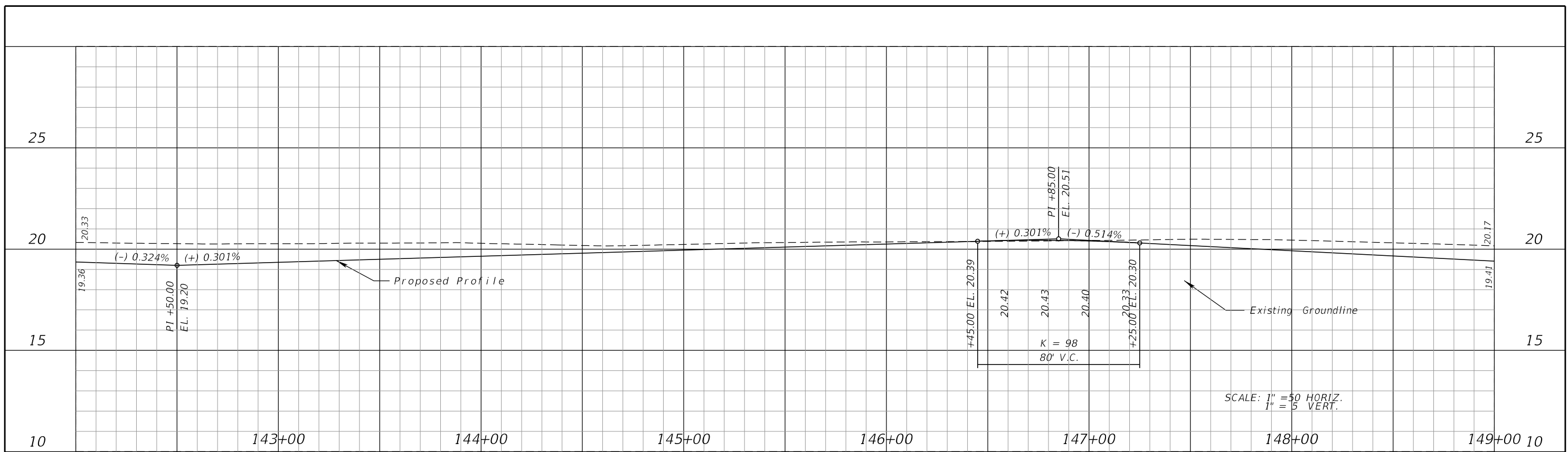
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.
 13940 S.W. 136 STREET
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

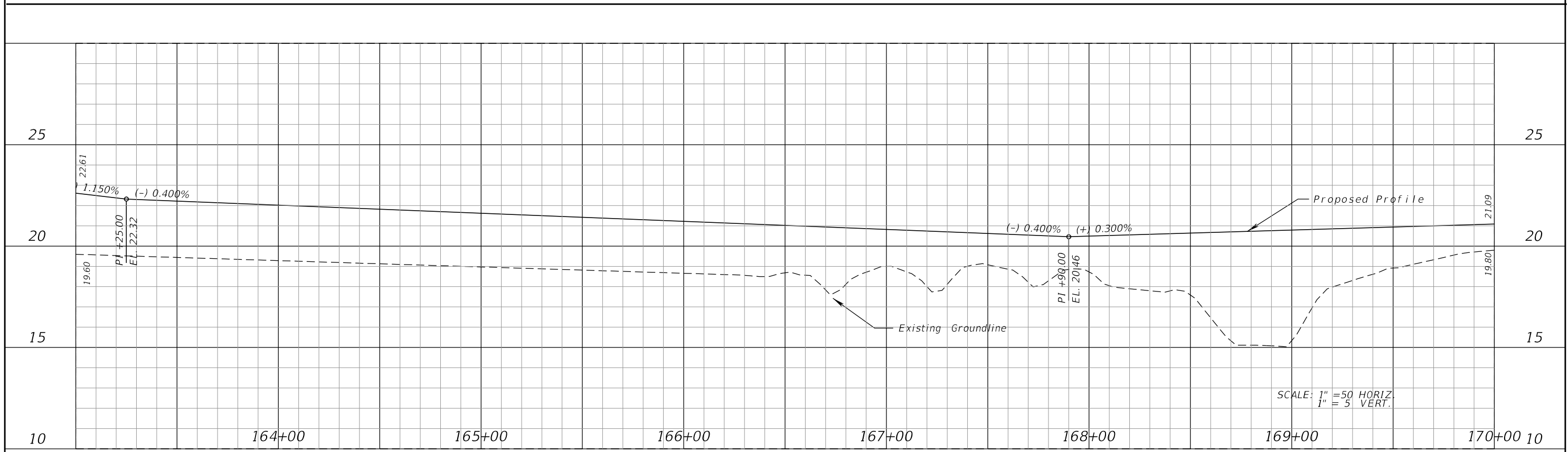
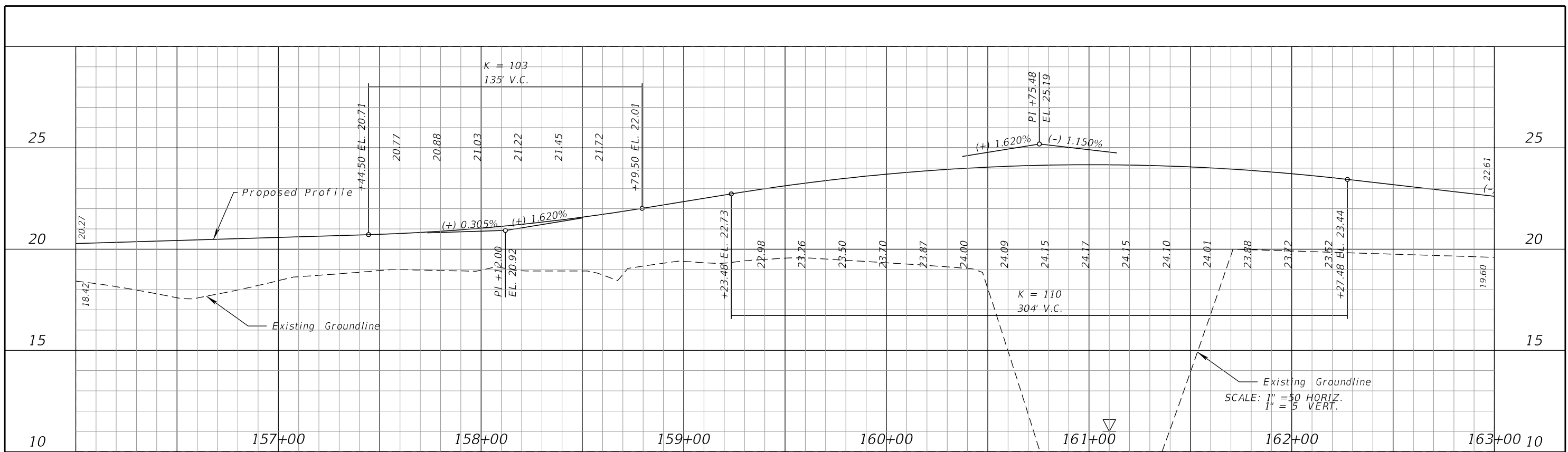
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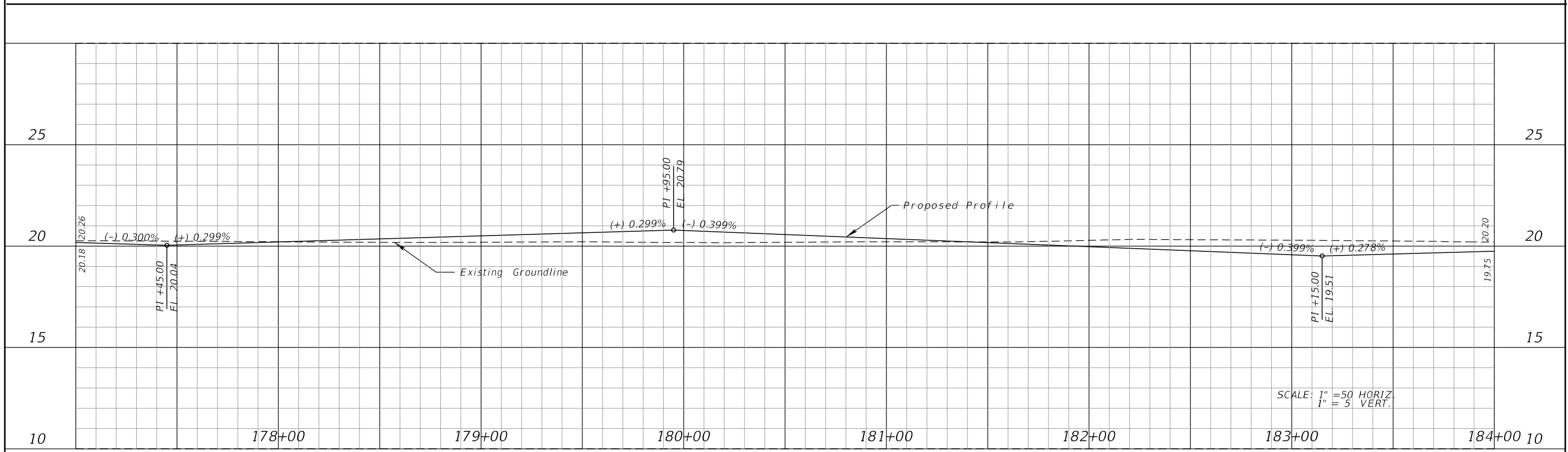
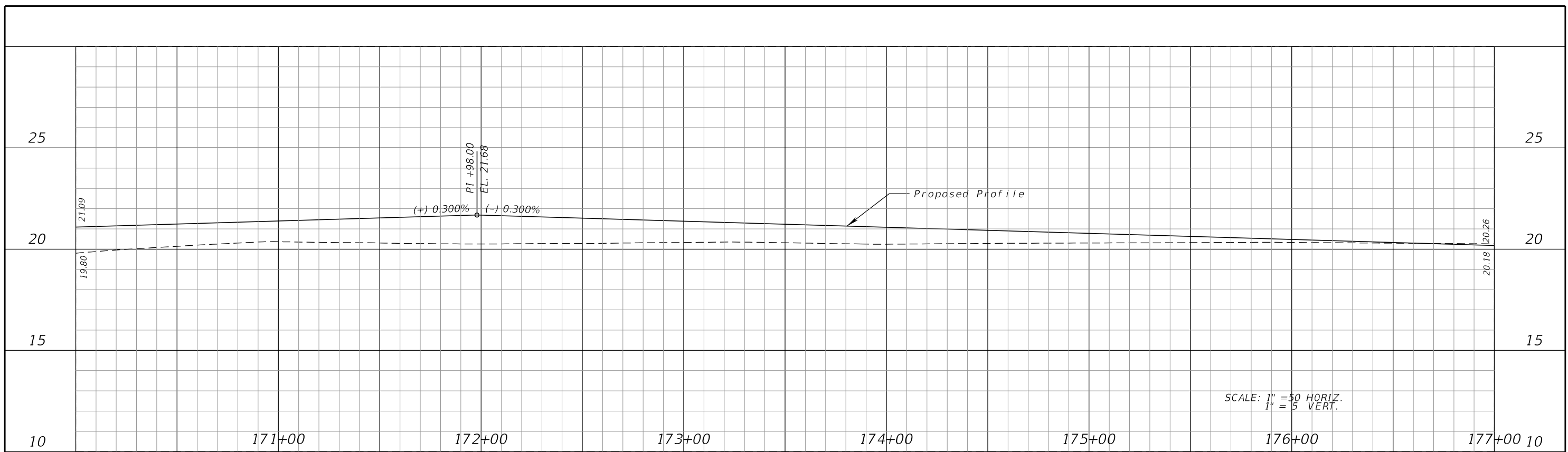
REVISIONS				METRIC ENGINEERING, INC. 13940 S.W. 136 STREET SUITE 200 MIAMI, FLORIDA 33186 TEL. (305) 235-5098 FAX. (305) 235-5271 CERTIFICATE OF AUTHORIZATION 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 510	INDIAN RIVER	405606-2-22-02		29

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 510	INDIAN RIVER	405606-2-22-02		30

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REVISIONS			
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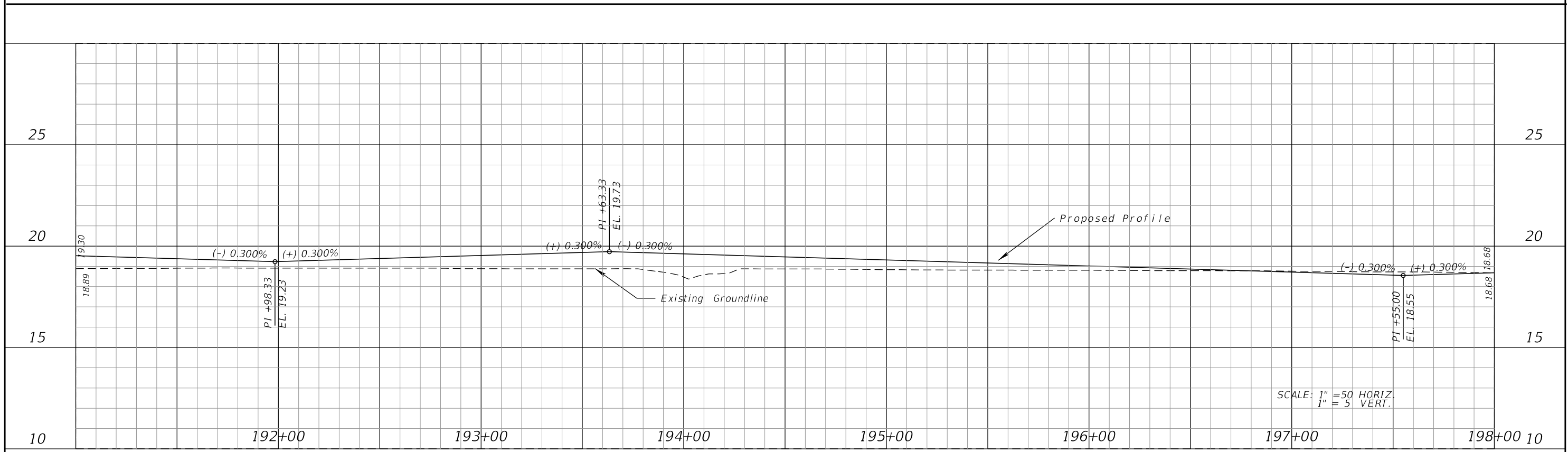
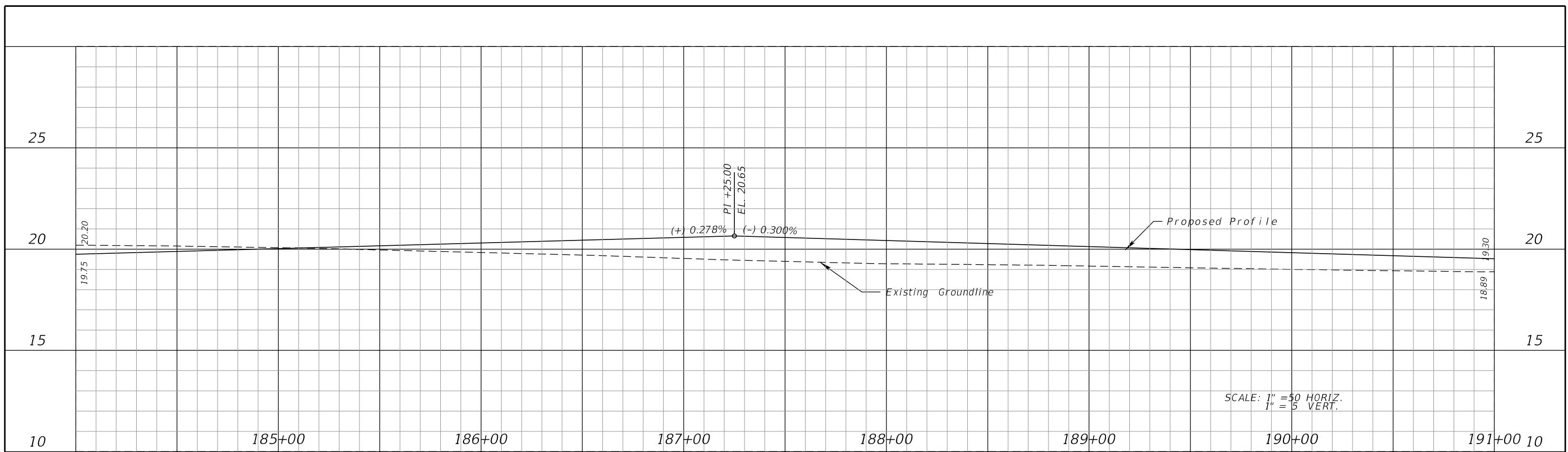
METRIC ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

PROFILE

SHEET NO.
31

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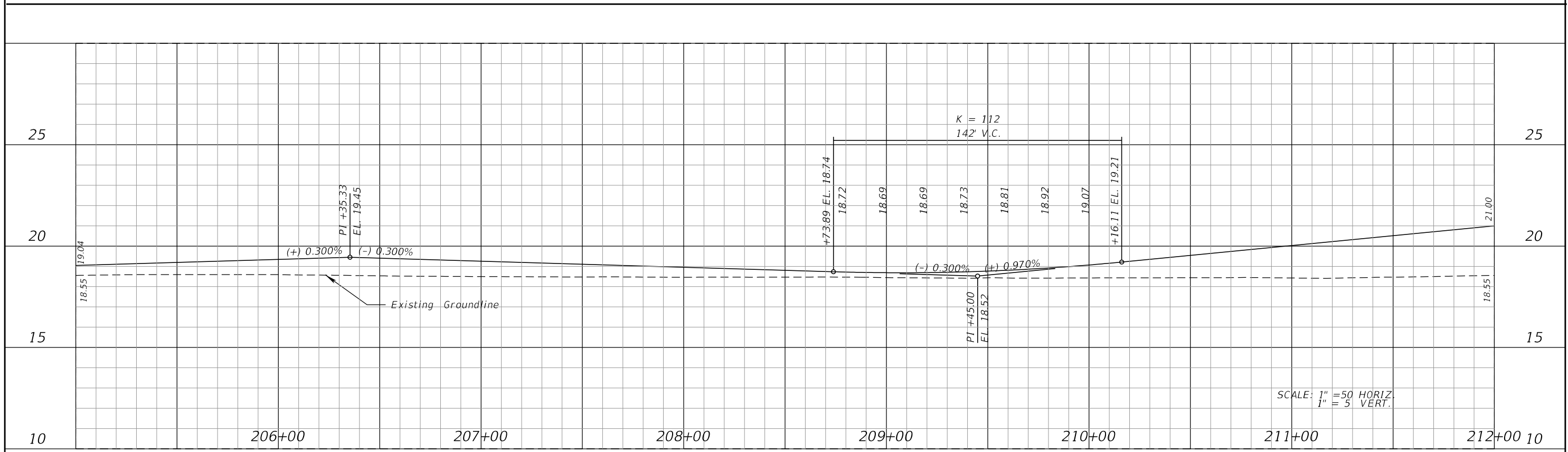
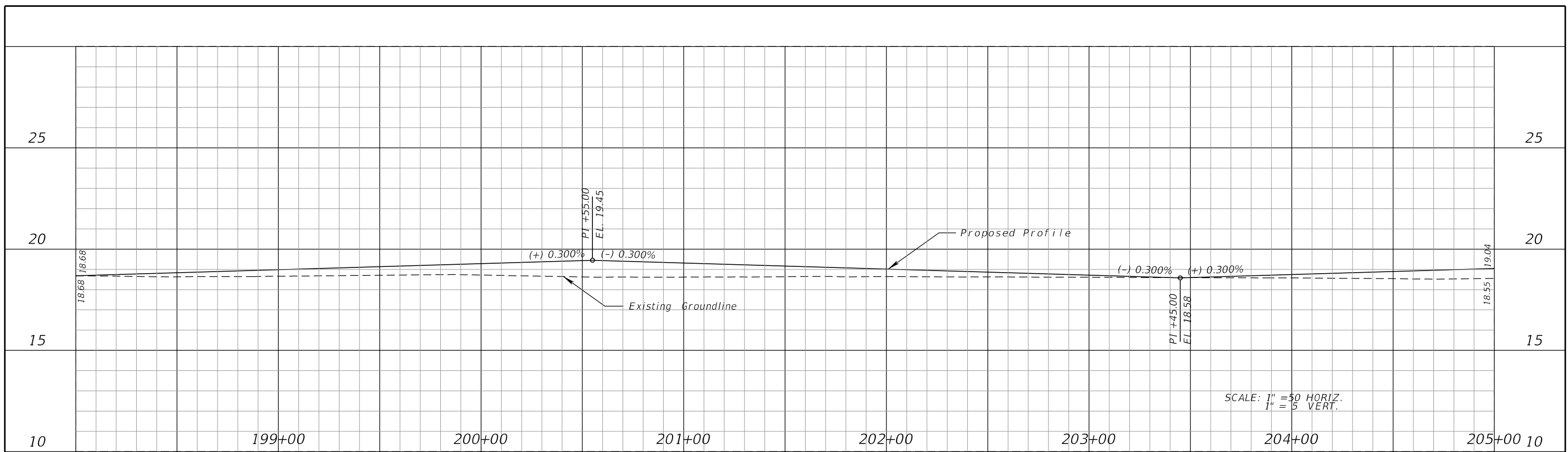
METRIC ENGINEERING, INC.
 13940 S.W. 136 STREET
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

PROFILE

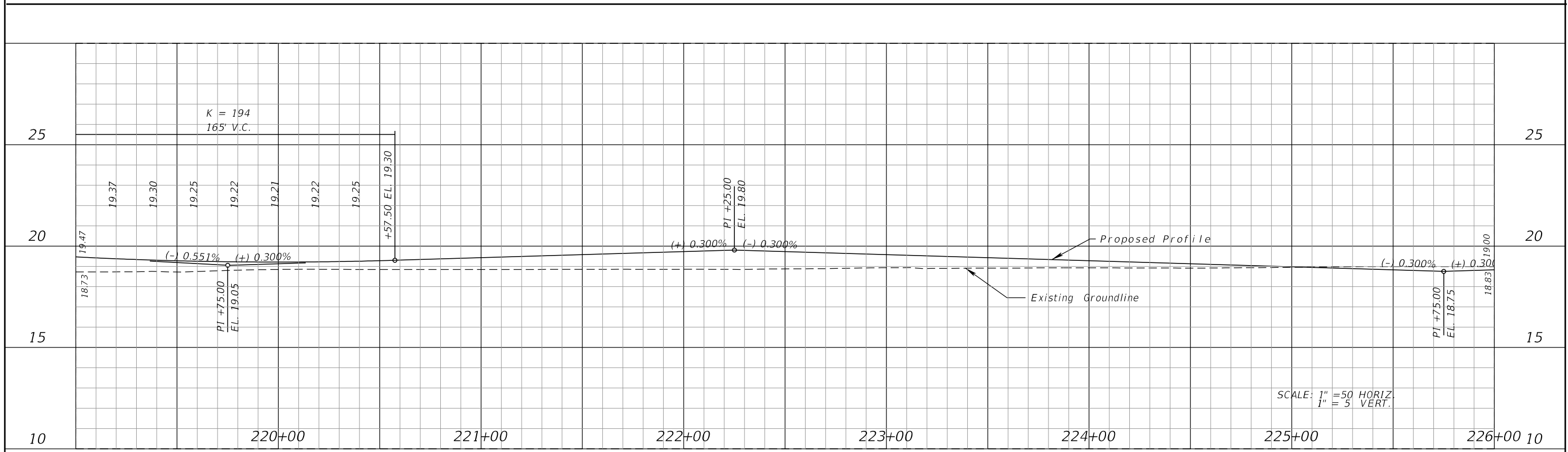
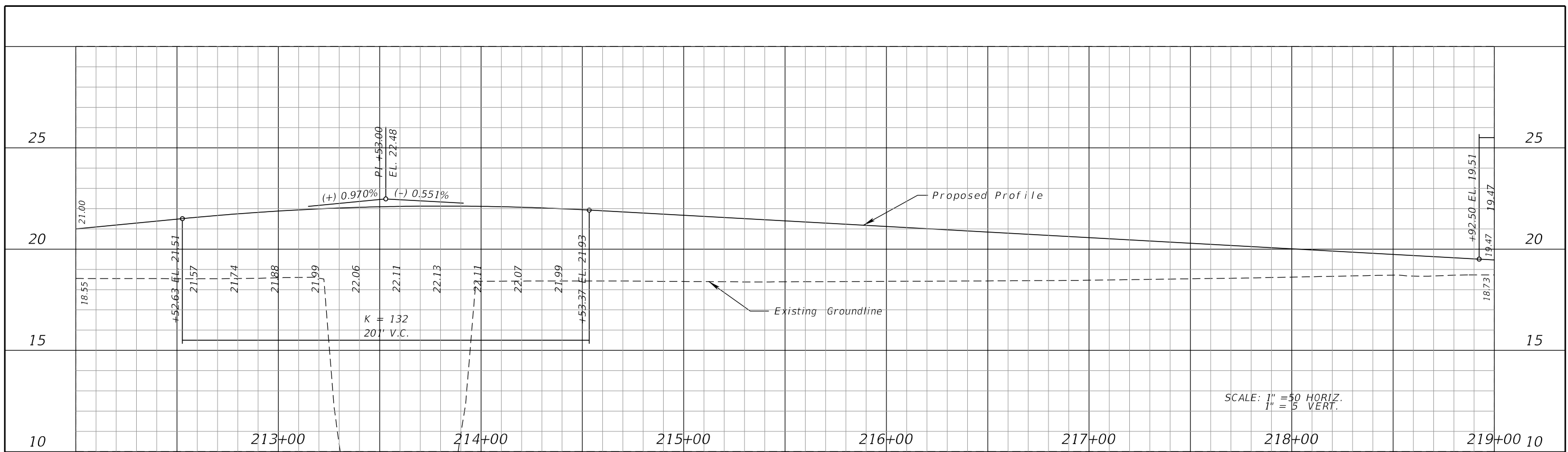
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32

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 510	INDIAN RIVER	405606-2-22-02		33

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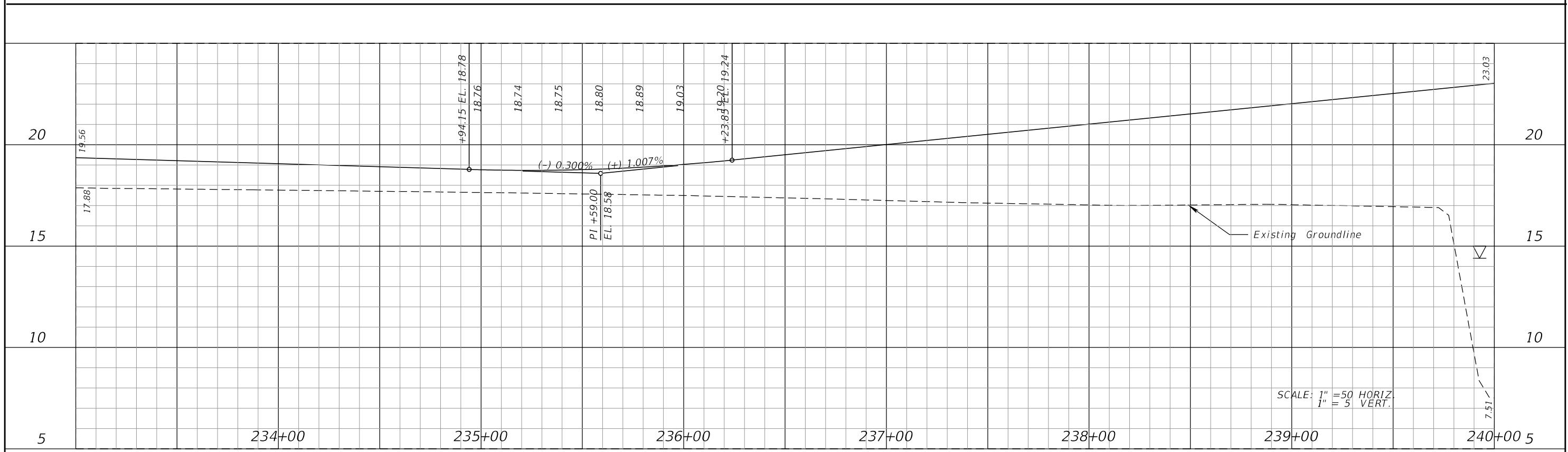
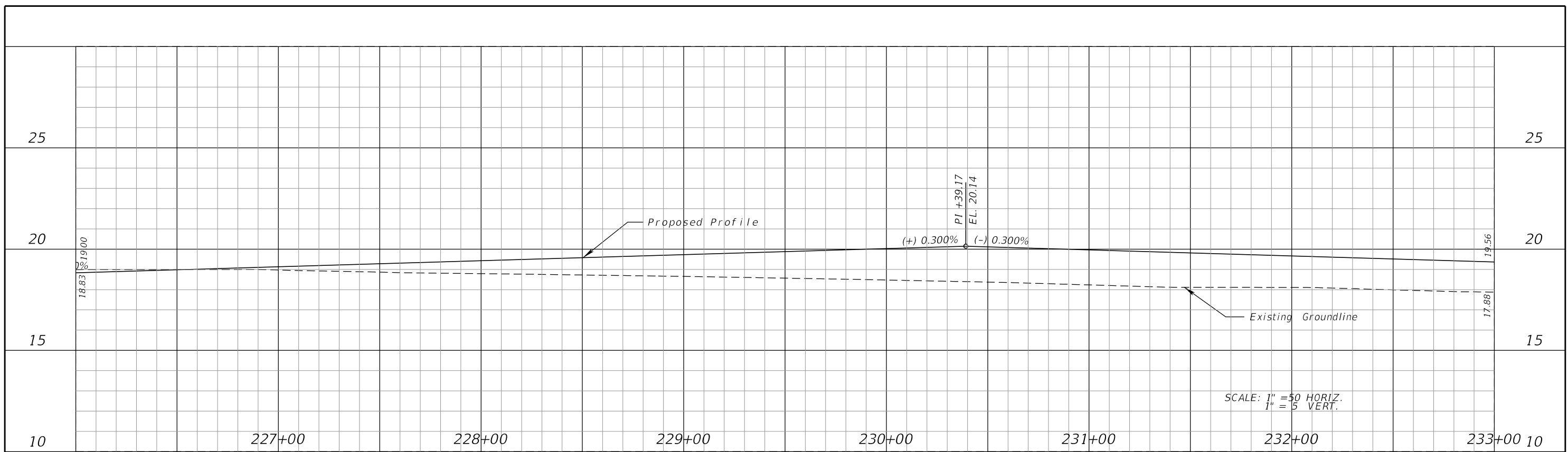
METRIC ENGINEERING, INC.
 13940 S.W. 136 STREET
 SUITE 200
 MIAMI, FLORIDA 33186
 TEL. (305) 235-5098
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

PROFILE

SHEET NO.
34

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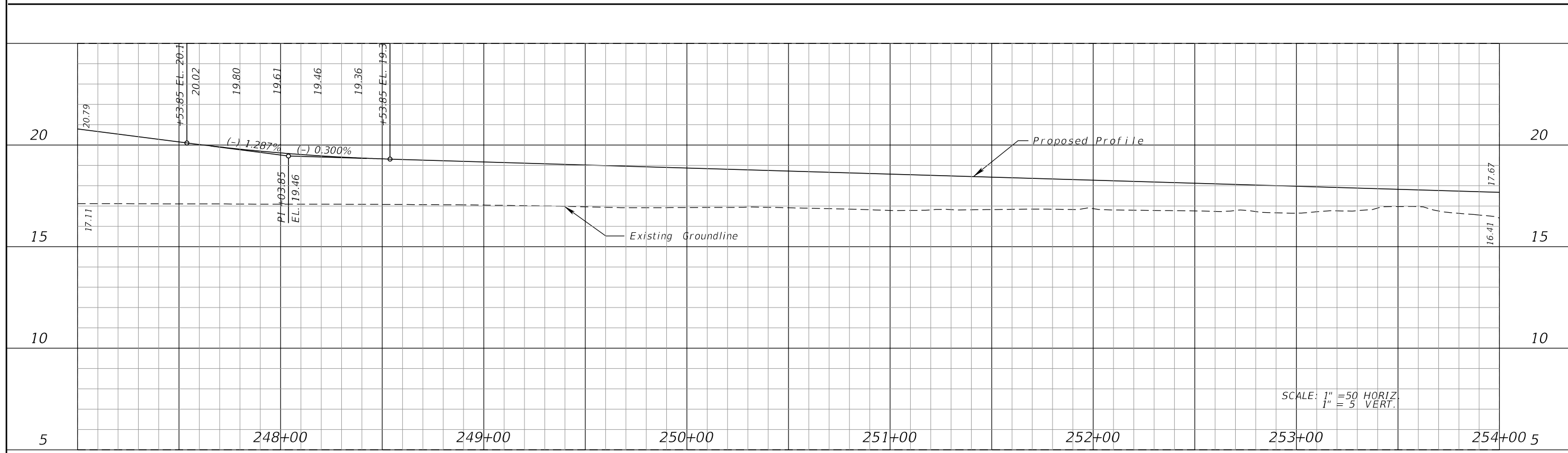
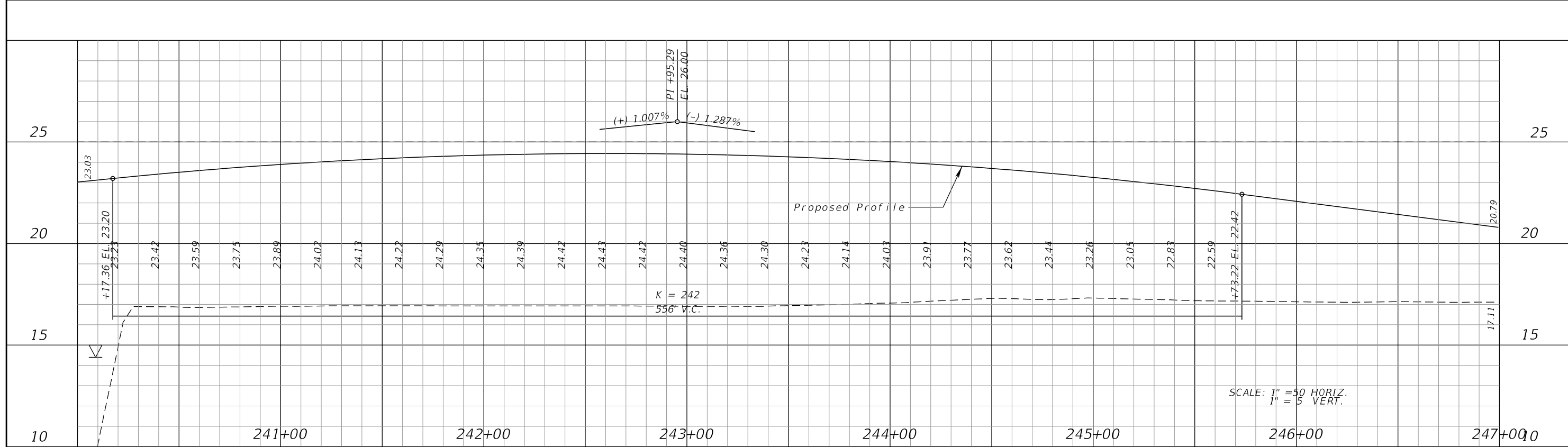
METRIC ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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CR 510	INDIAN RIVER	405606-2-22-02

PROFILE

SHEET NO.
35

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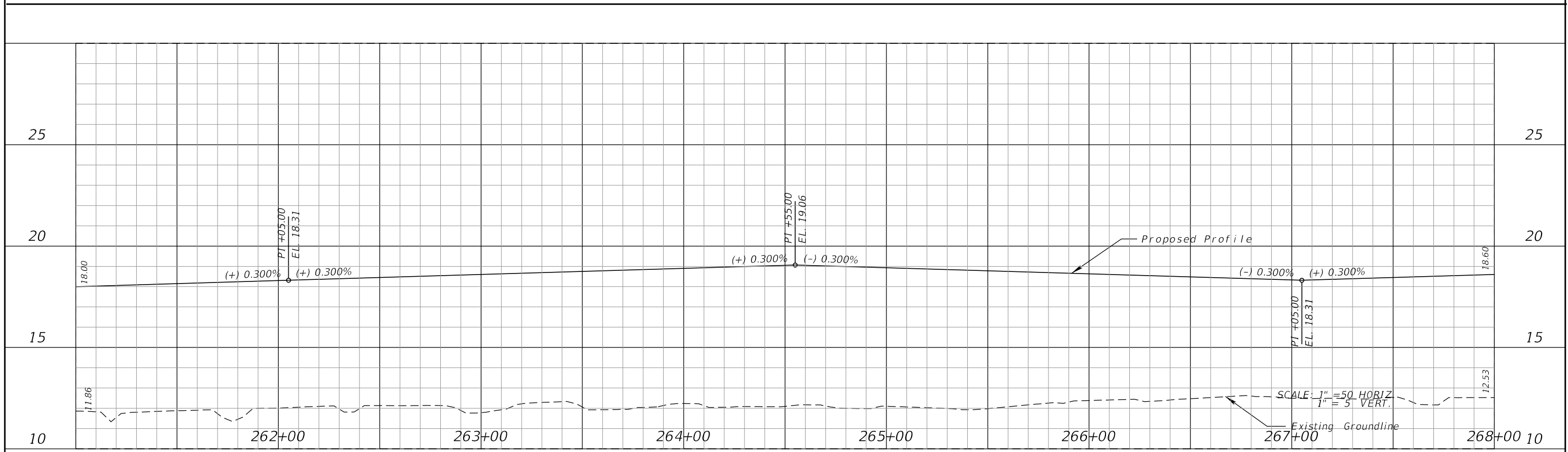
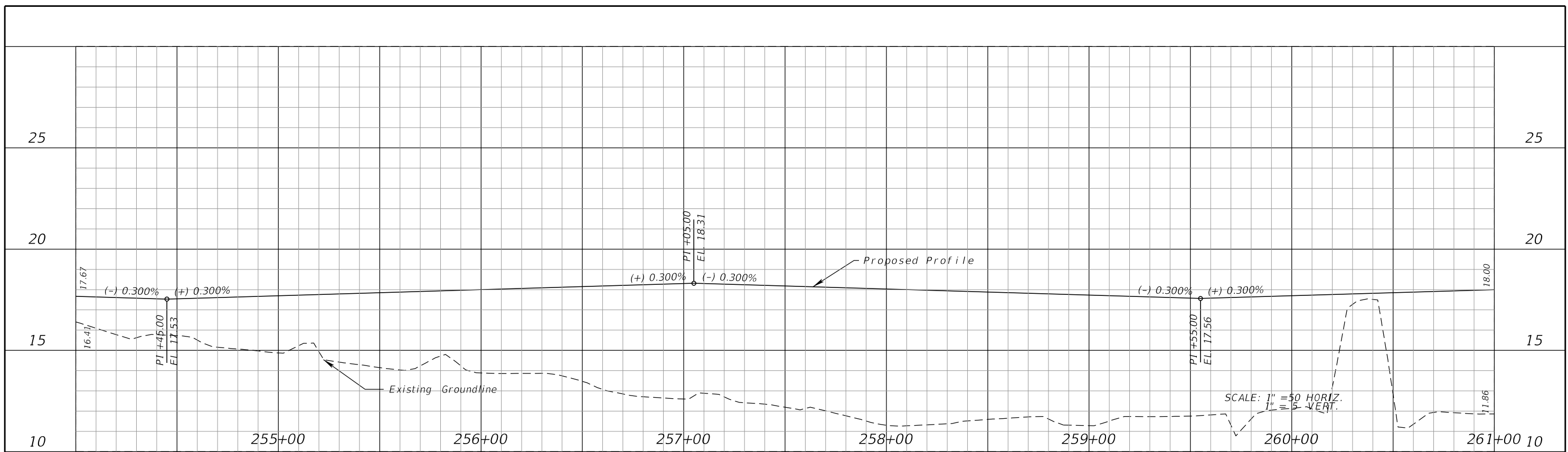
METRIC ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

PROFILE

SHEET NO.
36

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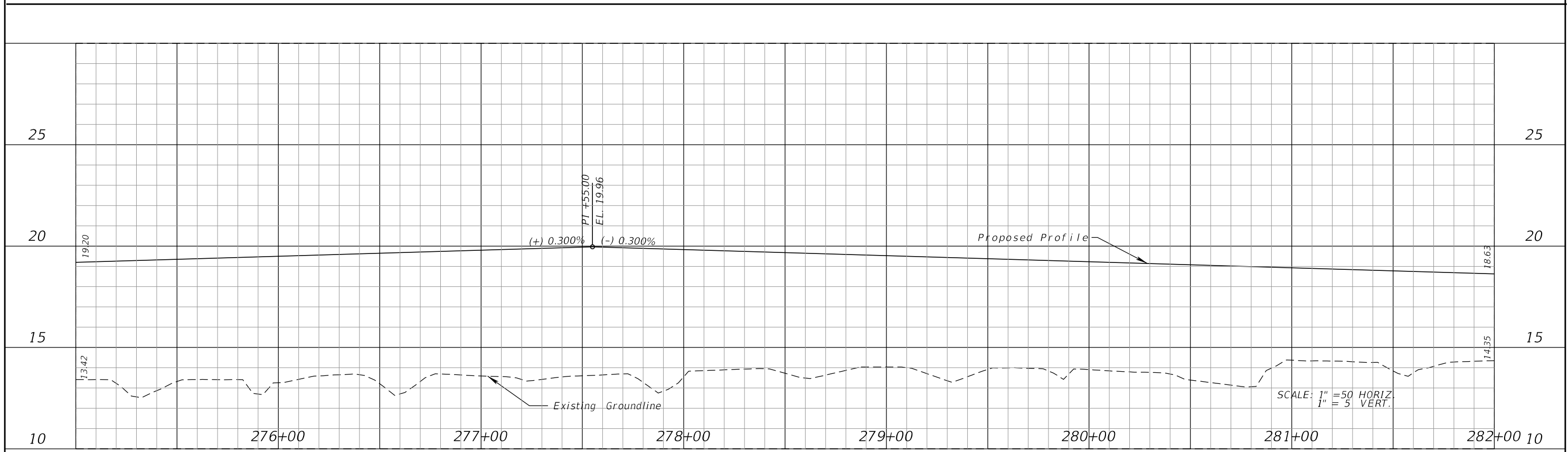
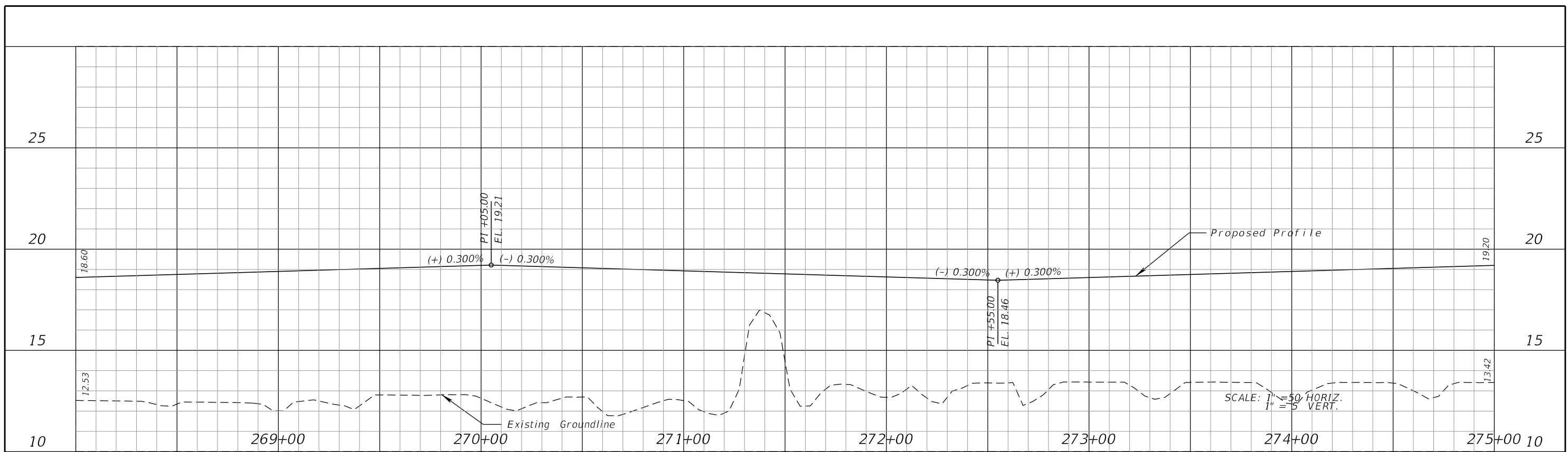
METRIC ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

PROFILE

SHEET NO.
37

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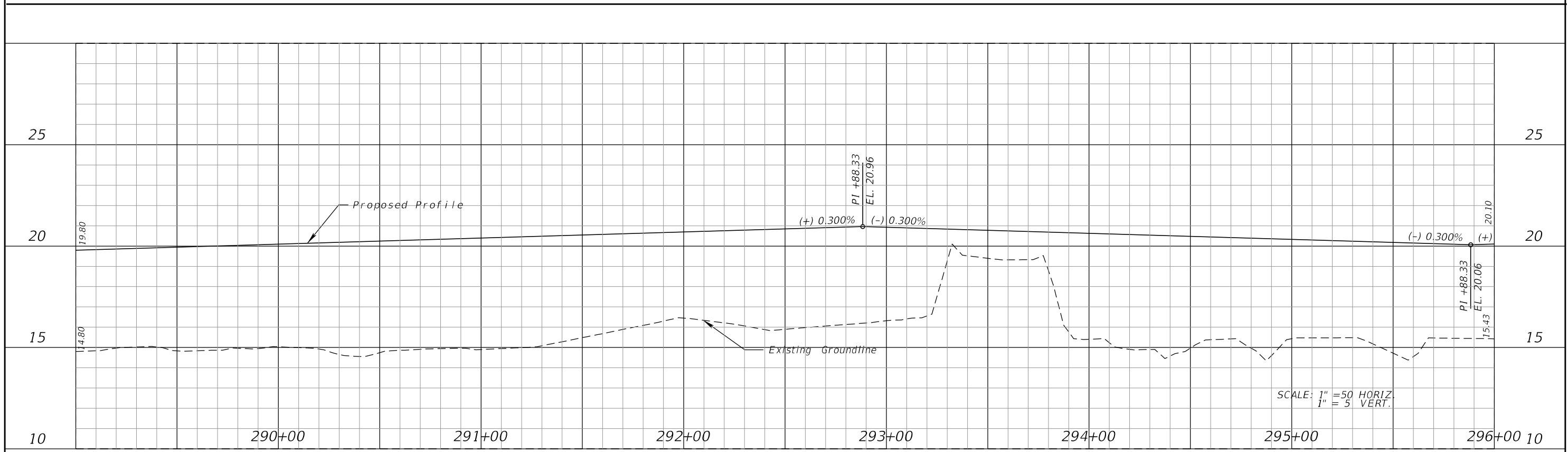
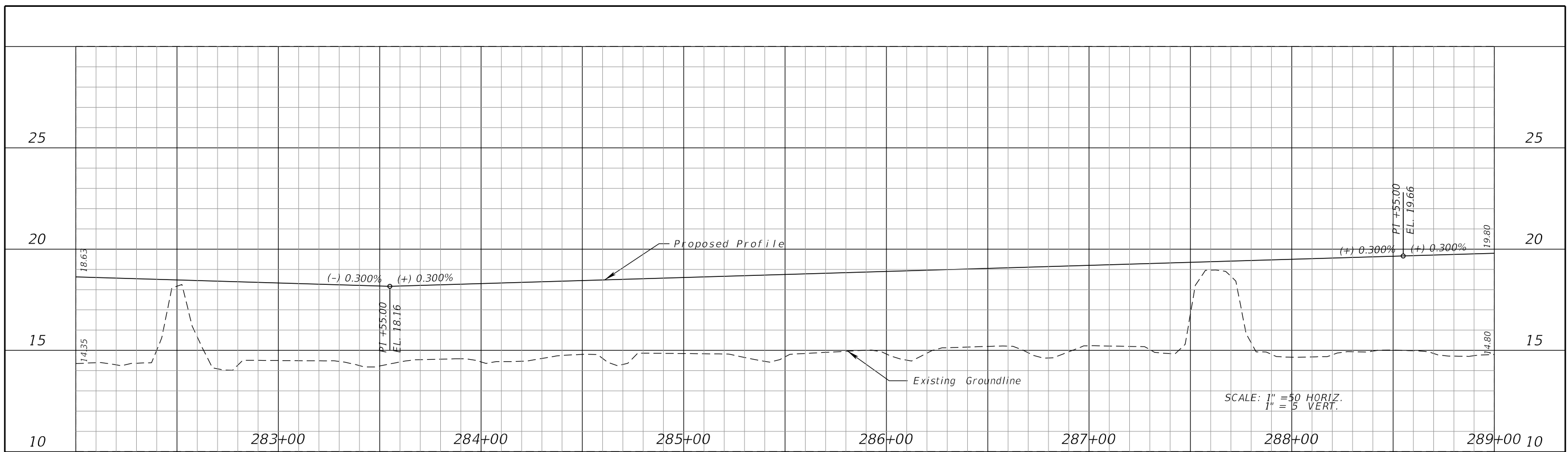
METRIC ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

PROFILE

SHEET NO.
38

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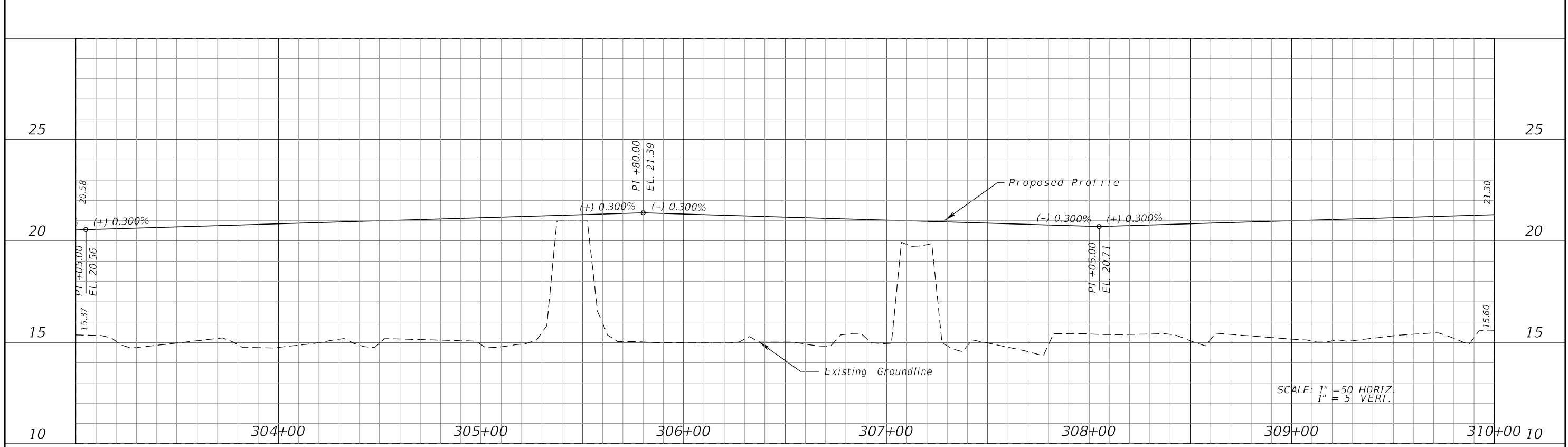
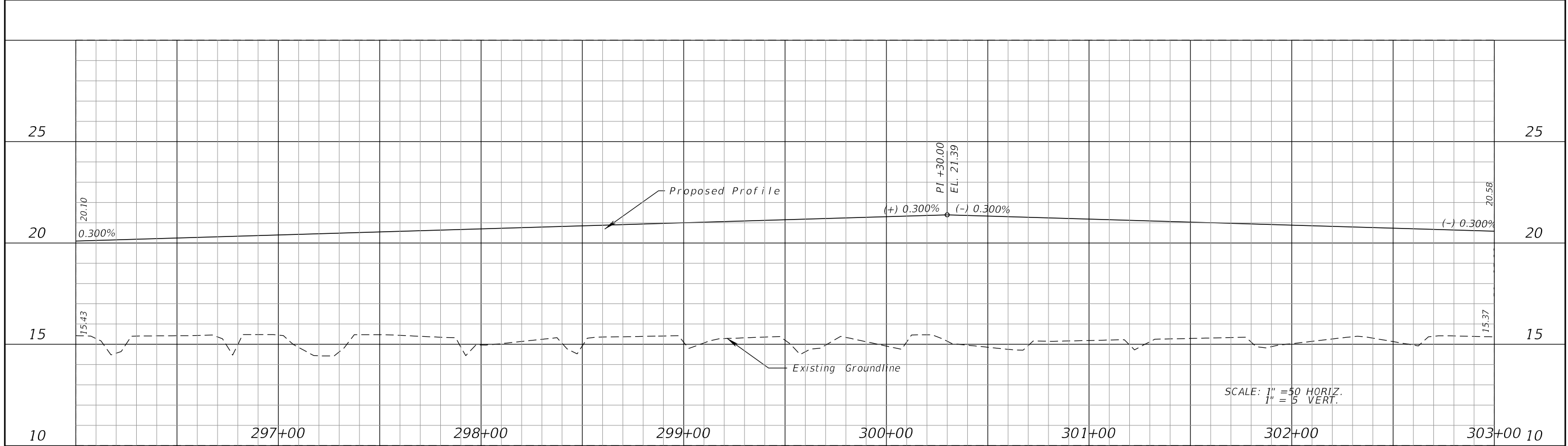
METRIC ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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CR 510	INDIAN RIVER	405606-2-22-02

PROFILE

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39

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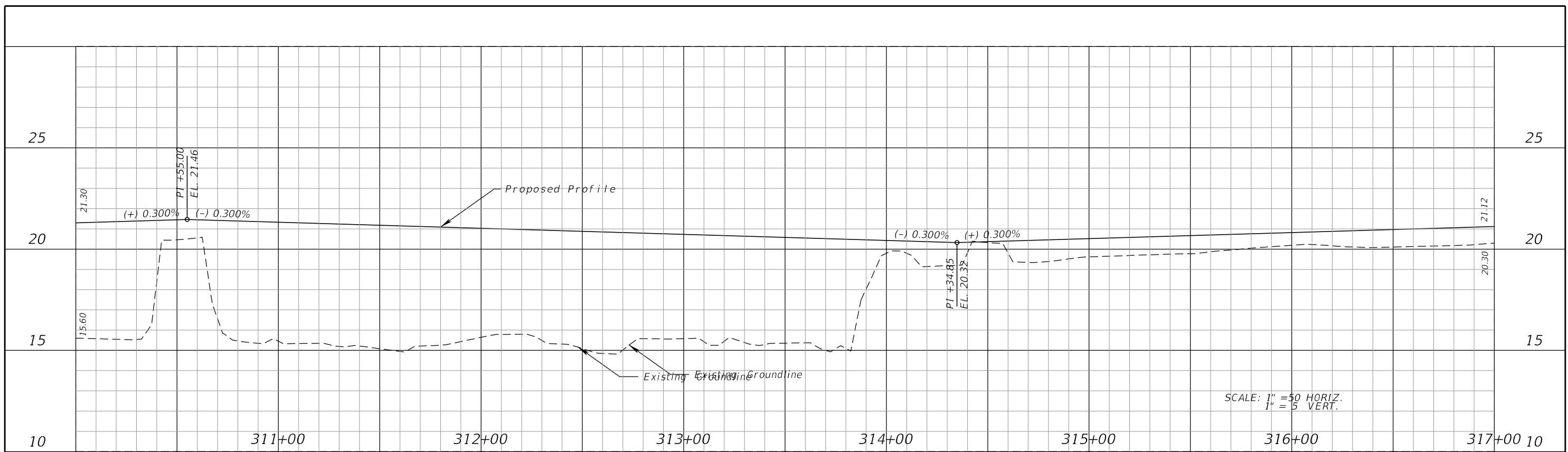
METRIC ENGINEERING, INC.
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CR 510	INDIAN RIVER	405606-2-22-02

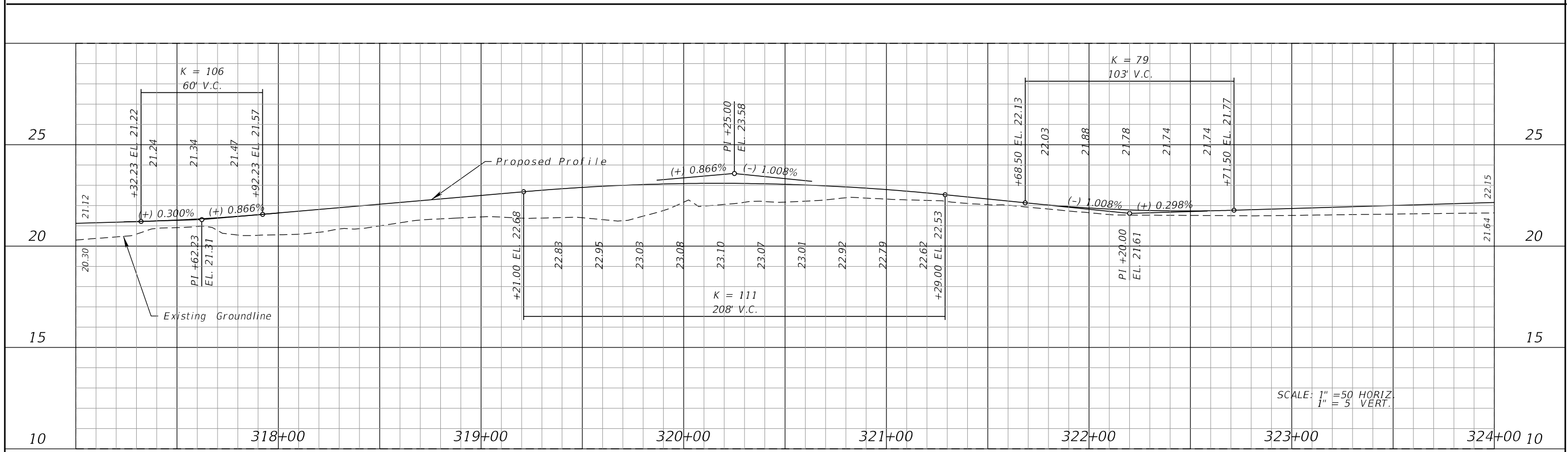
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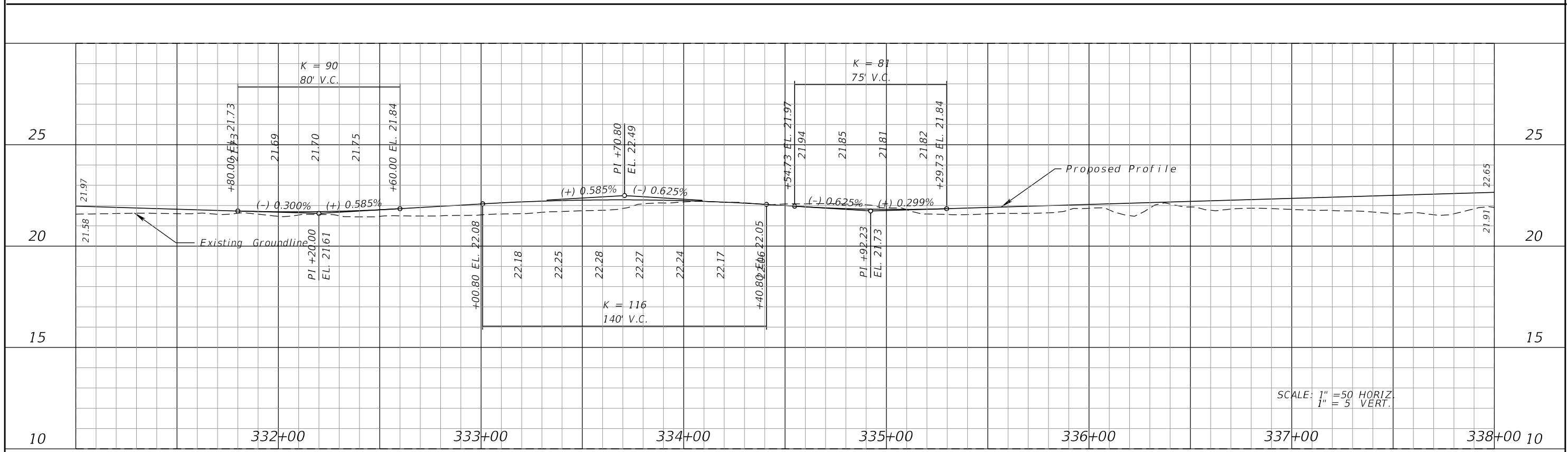
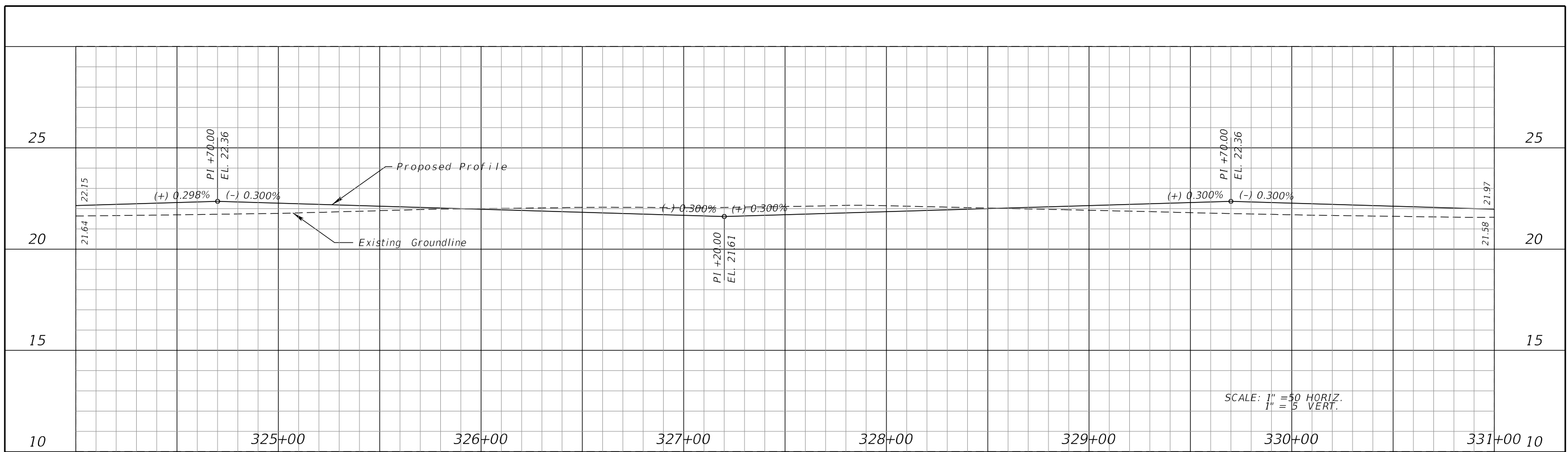
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1" = 5 VERT.



SCALE: 1" = 50 HORIZ.
1" = 5 VERT.

REVISIONS				METRIC ENGINEERING, INC. 13940 S.W. 136 STREET SUITE 200 MIAMI, FLORIDA 33186 TEL. (305) 235-5098 FAX. (305) 235-5271 CERTIFICATE OF AUTHORIZATION 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 510	INDIAN RIVER	405606-2-22-02		41

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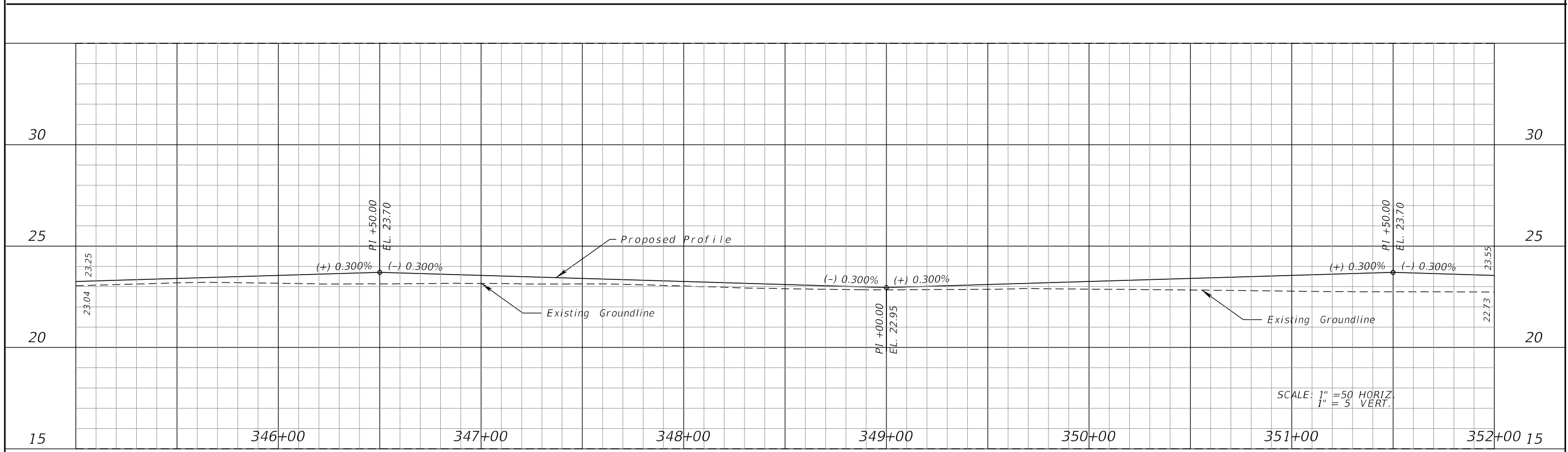
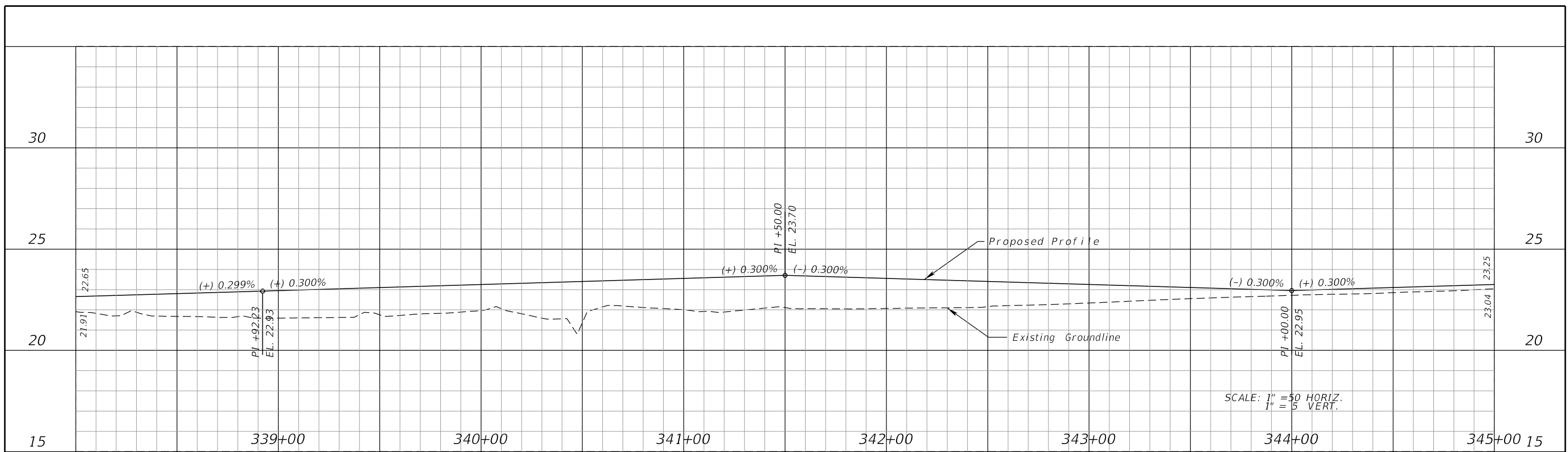
METRIC ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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PROFILE

SHEET NO.
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

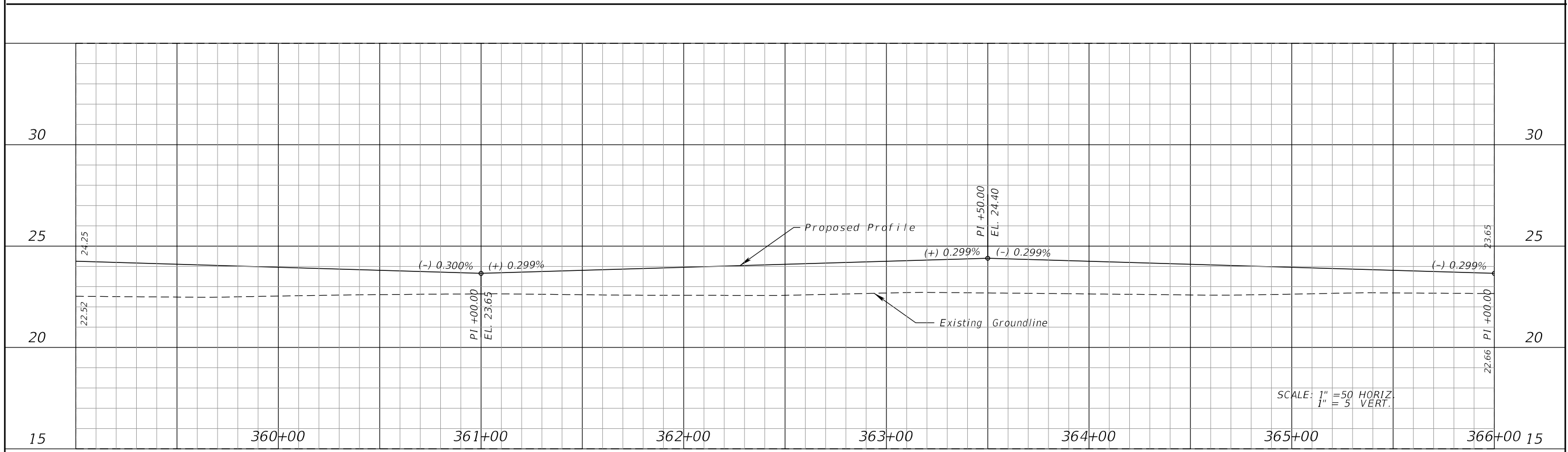
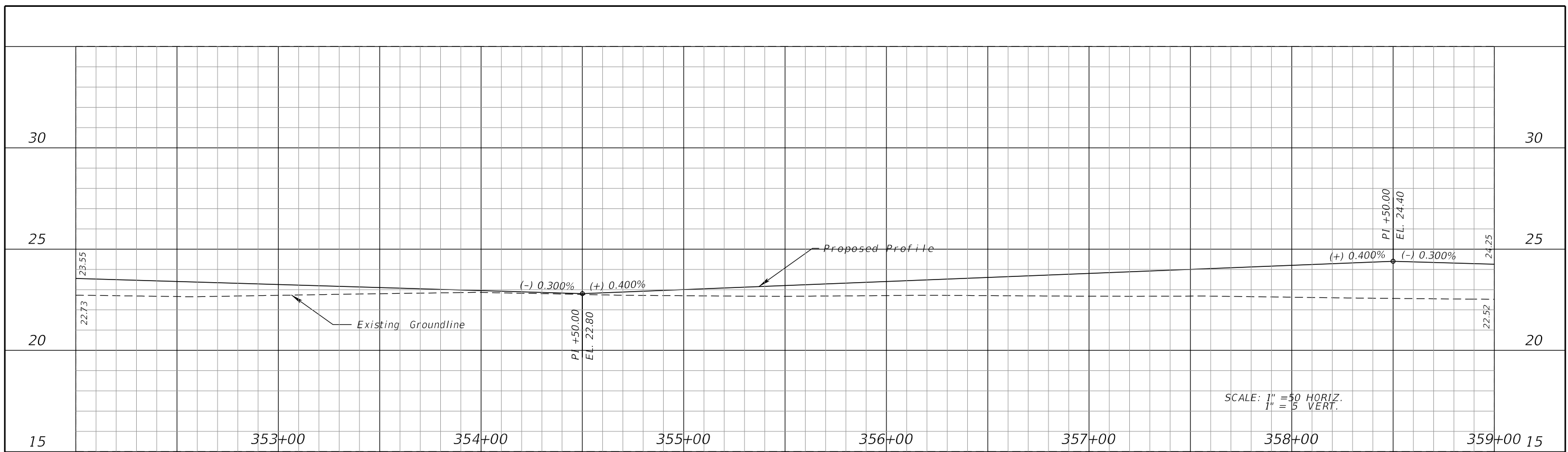
METRIC ENGINEERING, INC.
 13940 S.W. 136 STREET
 SUITE 200
 MIAMI, FLORIDA 33186
 TEL. (305) 235-5098
 FAX. (305) 235-5271
 CERTIFICATE OF AUTHORIZATION 2294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

PROFILE

SHEET NO.
43

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DATE	DESCRIPTION	DATE	DESCRIPTION

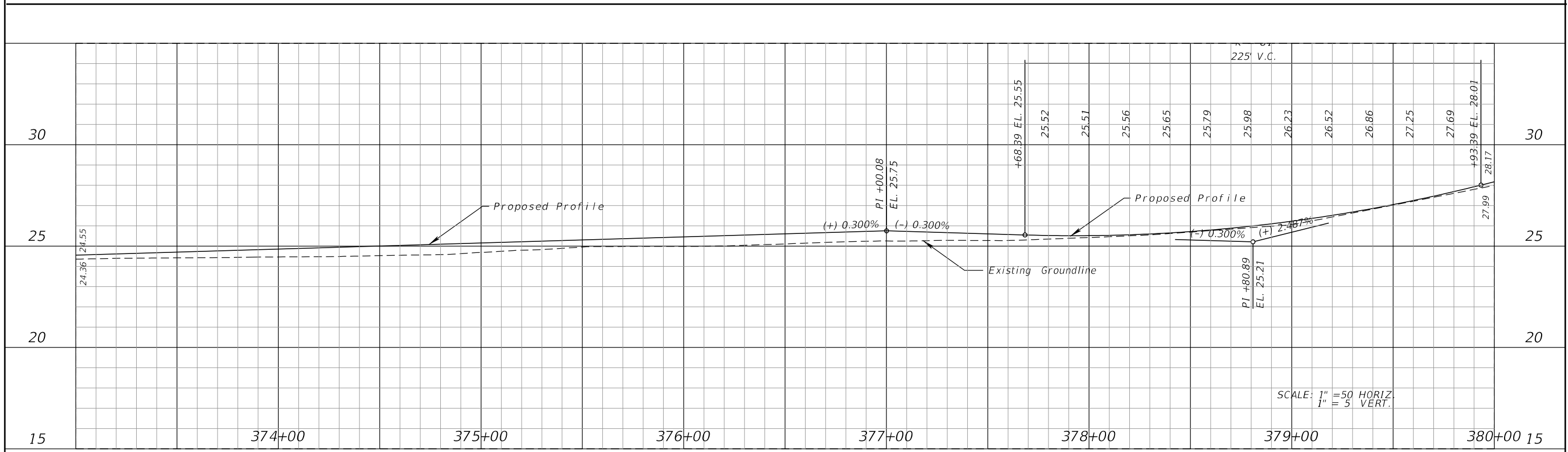
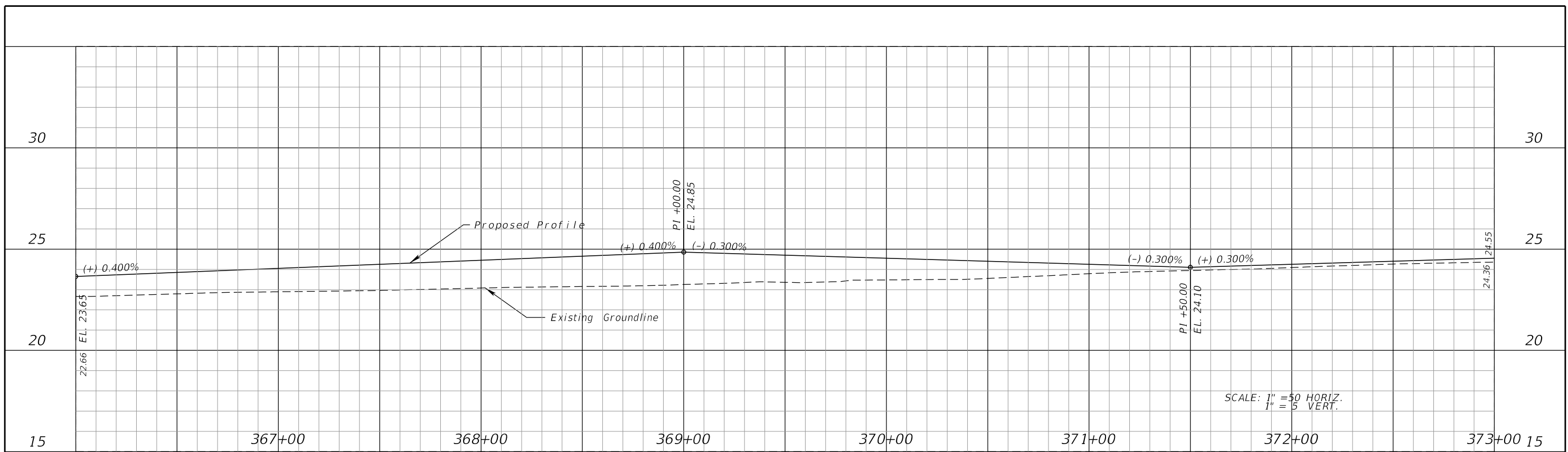
METRIC ENGINEERING, INC.
 13940 S.W. 136 STREET
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 MIAMI, FLORIDA 33186
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

PROFILE

SHEET NO.
44

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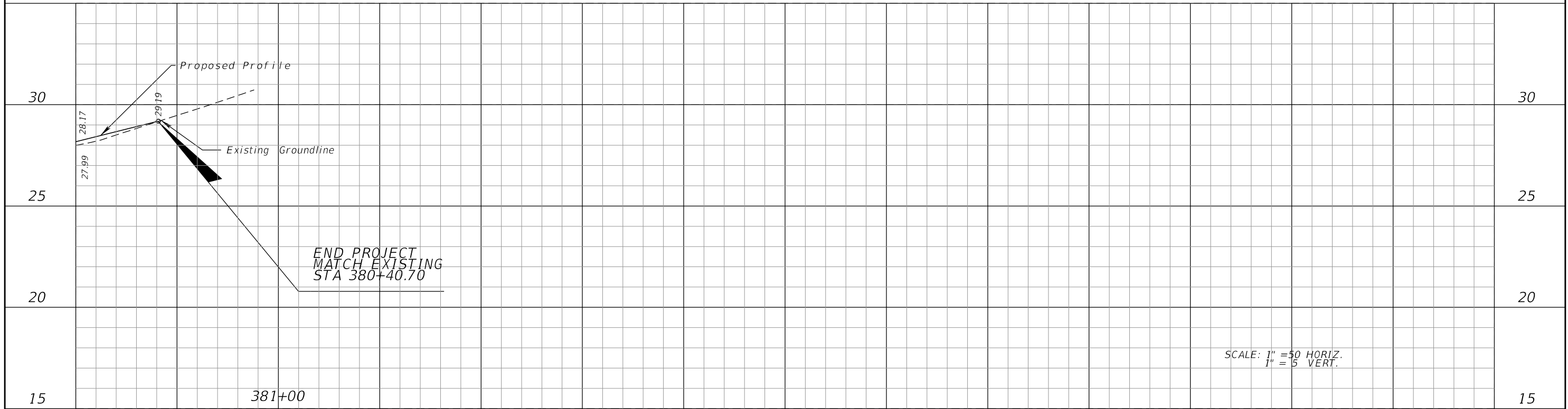
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

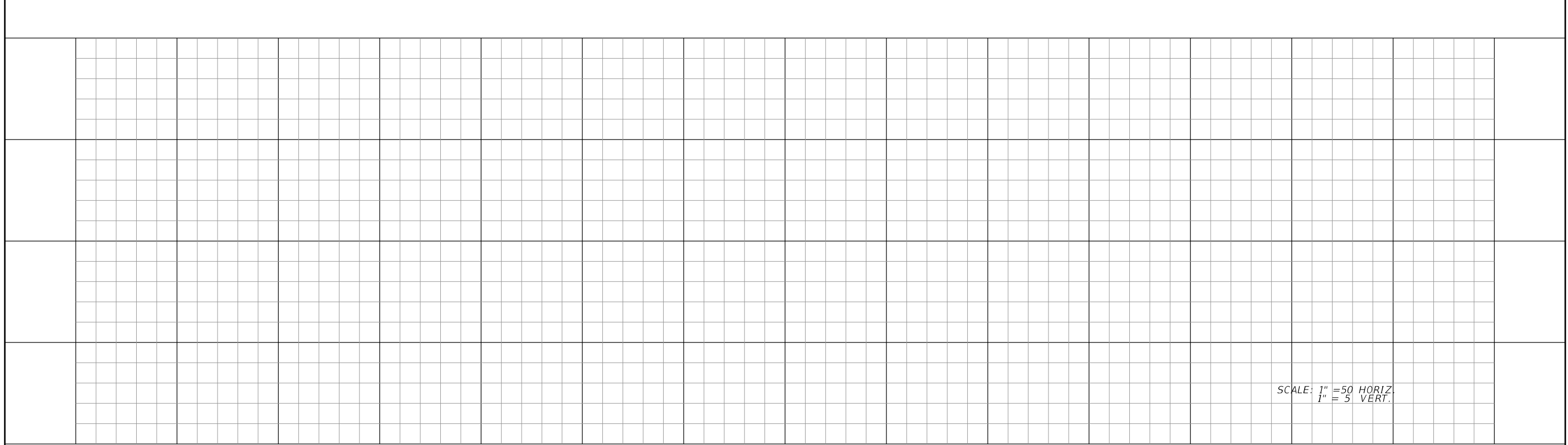
PROFILE

SHEET NO.
 45

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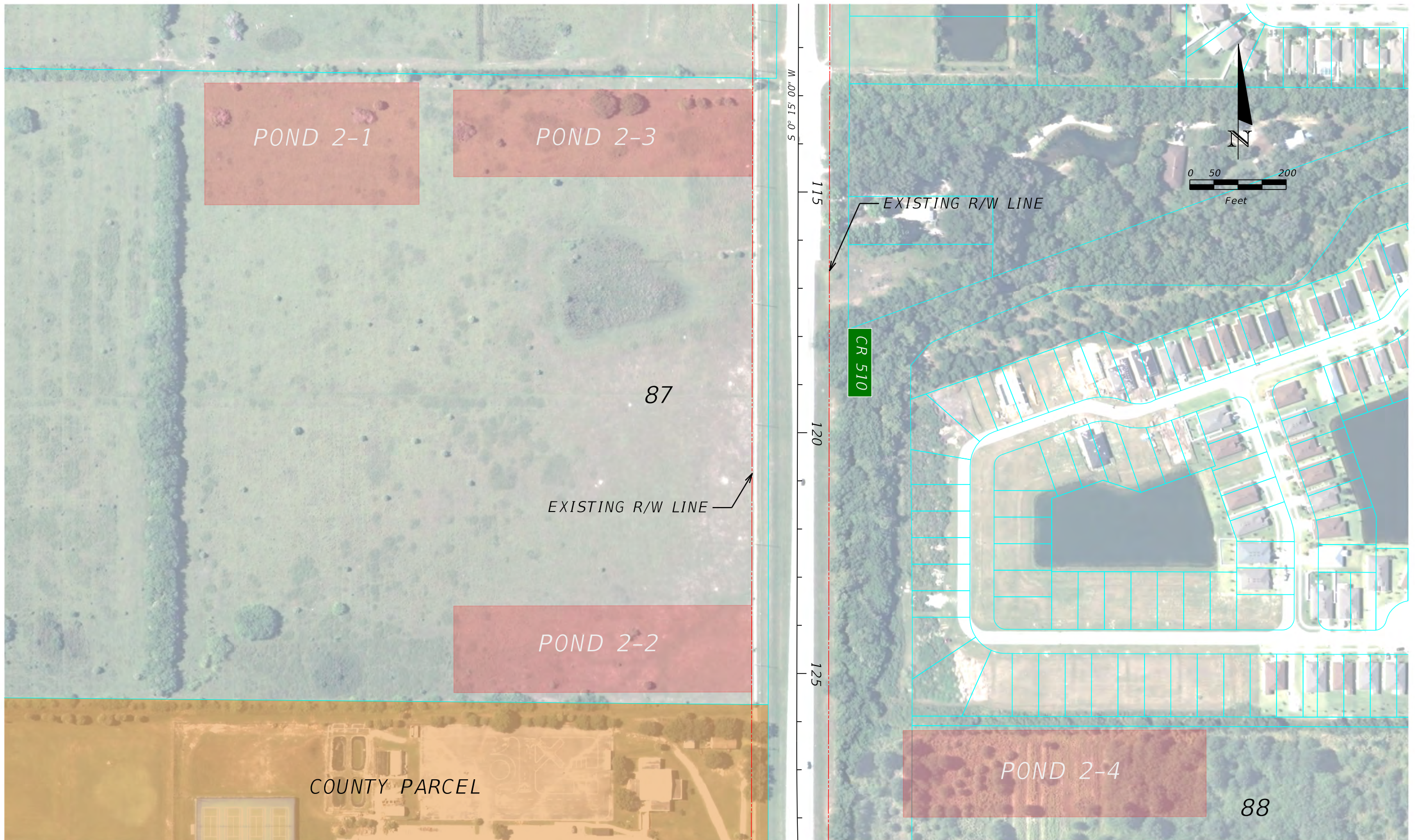
381+00



SCALE: 1" = 50 HORIZ.
1" = 5 VERT.

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 510	INDIAN RIVER	405606-2-22-02		46

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 13940 SW 136 STREET
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 FAX. (305) 251-5894
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

**ALTERNATIVE 1 - DRAINAGE
RIGHT OF WAY IMPACTS**

SHEET NO.
47



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

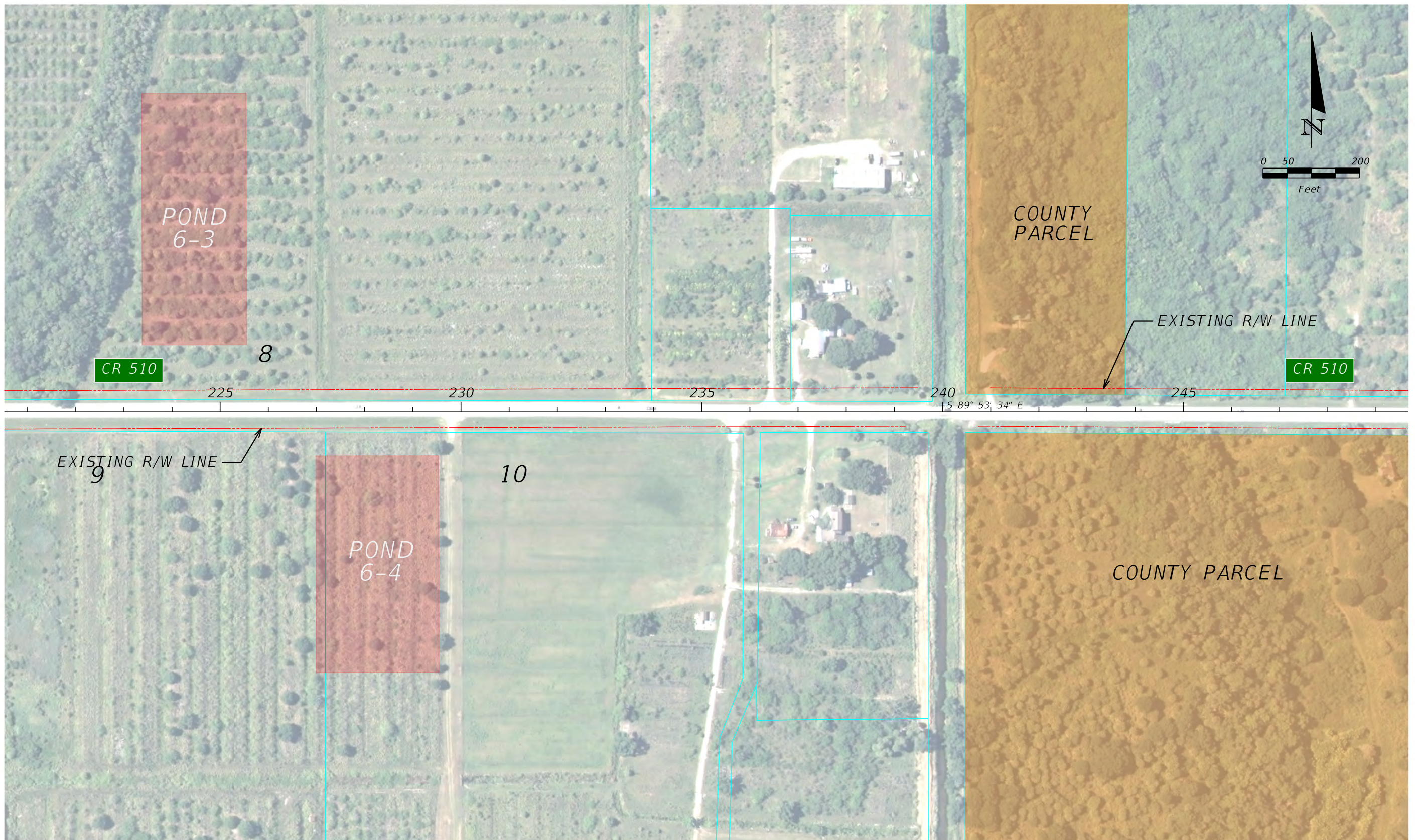
METRIC ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

**ALTERNATIVE 1 - DRAINAGE
 RIGHT OF WAY IMPACTS**

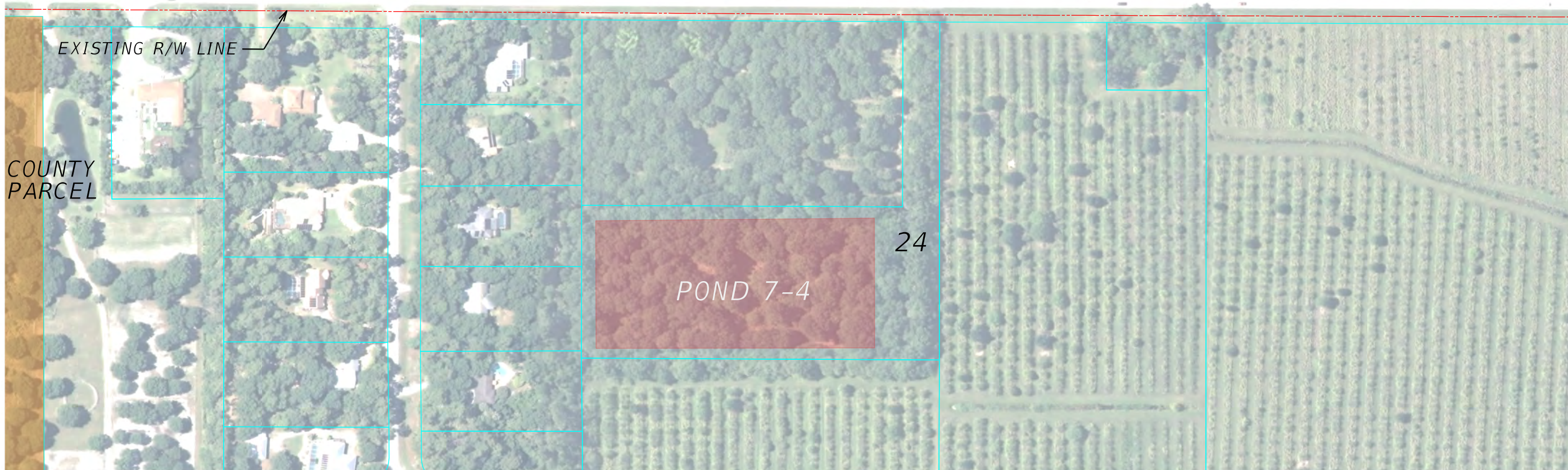
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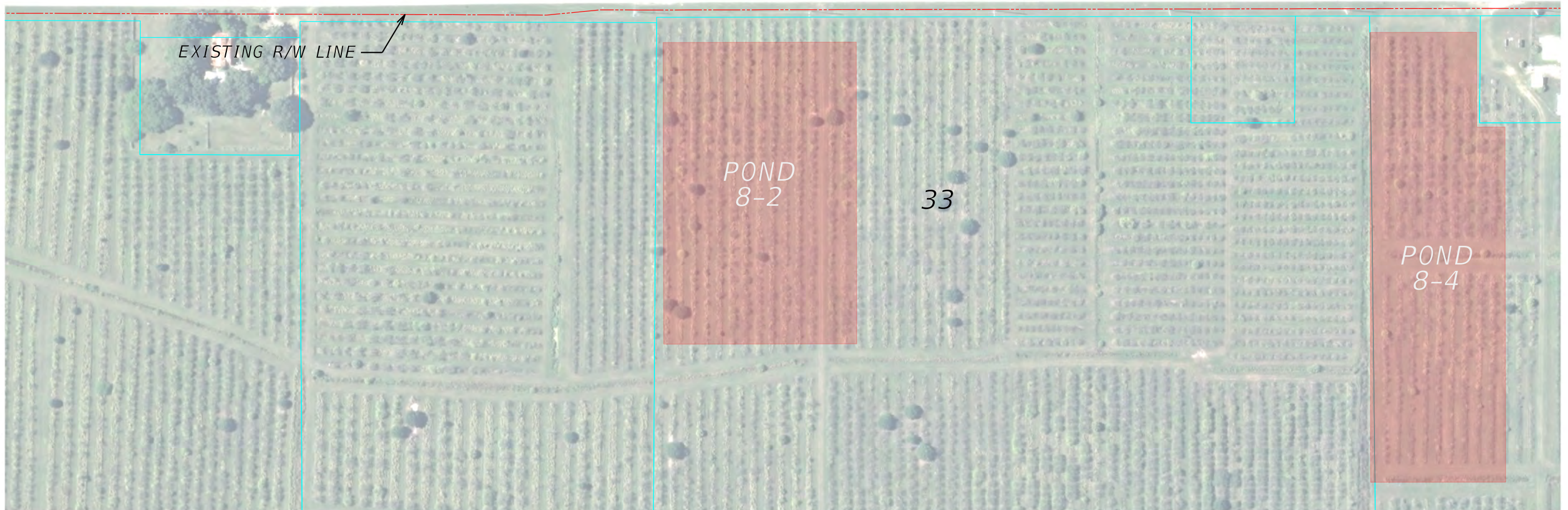
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 510	INDIAN RIVER	405606-2-22-02		50



REVISIONS				METRIC ENGINEERING, INC. 13940 SW 136 STREET MIAMI, FLORIDA 33186 TEL. (305) 235-5098 FAX. (305) 251-5894 CERTIFICATE OF AUTHORIZATION 2294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ALTERNATIVE 1 - DRAINAGE RIGHT OF WAY IMPACTS	SHEET NO. 51
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 510	INDIAN RIVER	405606-2-22-02		

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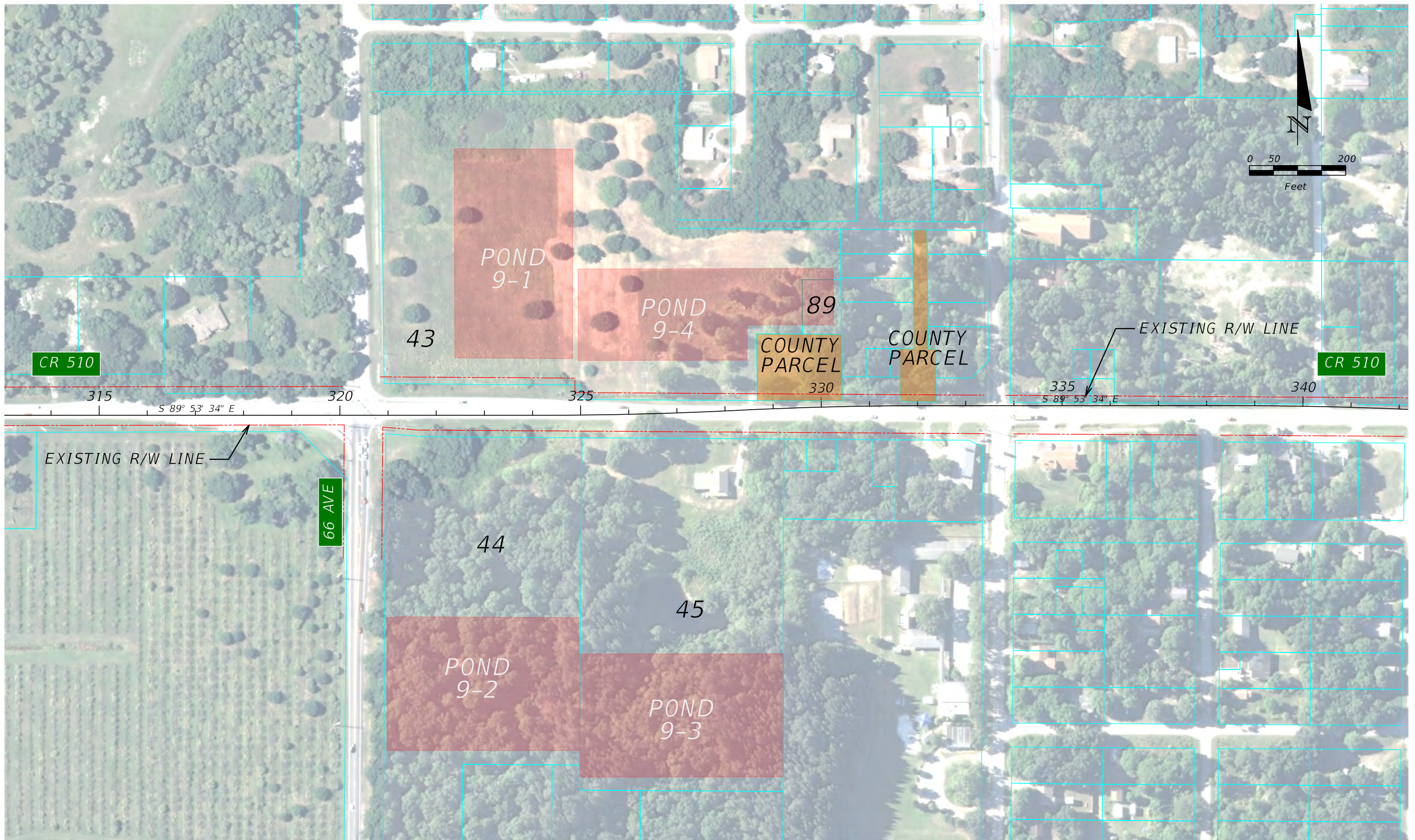
METRIC ENGINEERING, INC.
 13940 SW 136 STREET
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

**ALTERNATIVE 1 - DRAINAGE
 RIGHT OF WAY IMPACTS**

SHEET NO.
53

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

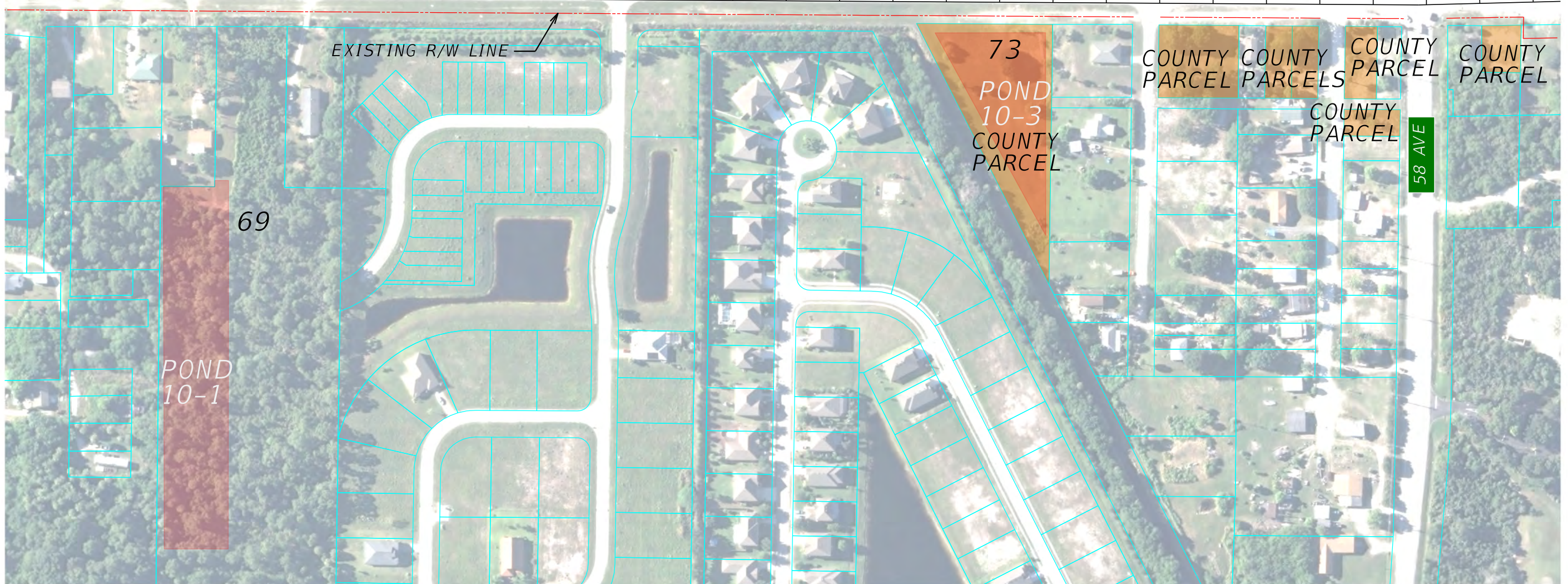
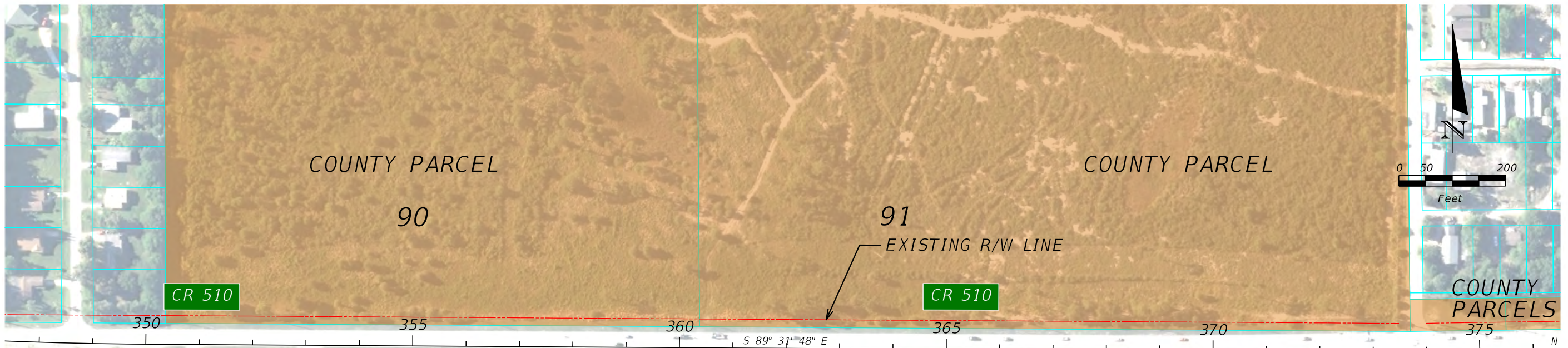
METRIC ENGINEERING, INC.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 510	INDIAN RIVER	405606-2-22-02

**ALTERNATIVE 1 - DRAINAGE
RIGHT OF WAY IMPACTS**

SHEET NO.
54

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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CR 510	INDIAN RIVER	405606-2-22-02

**ALTERNATIVE 1 - DRAINAGE
 RIGHT OF WAY IMPACTS**

SHEET NO.
55

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