

CONTRACT PLANS COMPONENTS

ROADWAY PLANS

INDEX OF ROADWAY PLANS

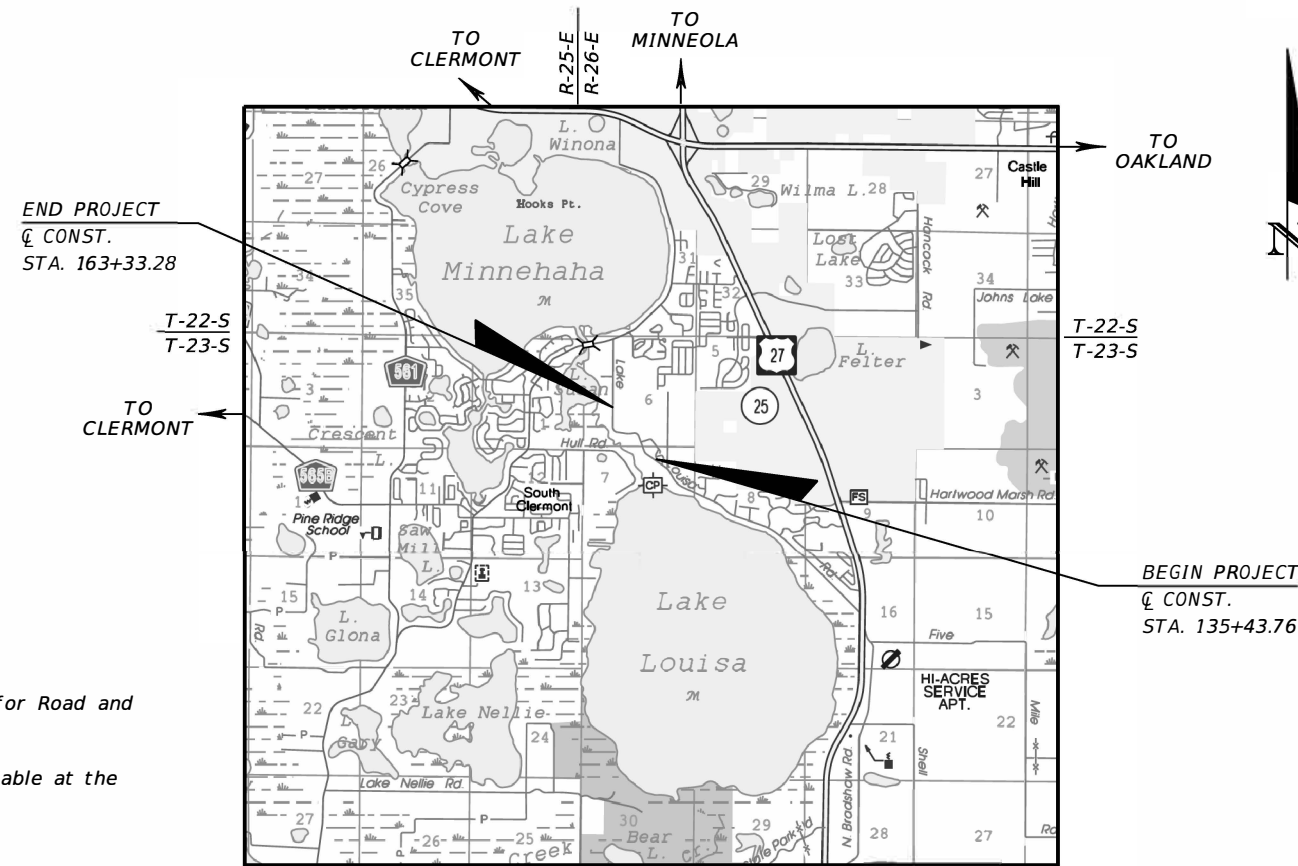
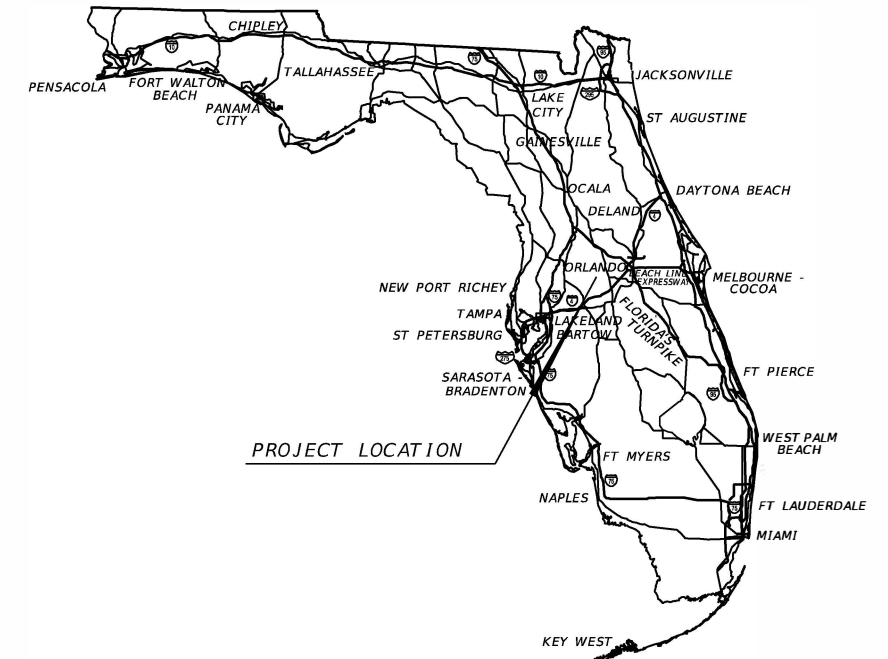
SHEET NO.	SHEET DESCRIPTION
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* These sheets are included in the index of Roadway Plans only to indicate that they are part of the Roadway Plans. These sheets are contained in a separate digitally signed and sealed document.



CONTRACT PLANS

LAKE COUNTY PROJECT NO. 17-0024
FDOT FINANCIAL PROJECT ID 439702-1-58-01
(FEDERAL FUNDS)
FEDERAL AID NUMBER: D519-046-B
LAKE LOUISA ROAD FROM NW OF GLEASON WAY
TO SOUTH OF HAMMOCK RIDGE ROAD



GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2019-20 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, January 2020 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

ROADWAY PLANS

ENGINEER OF RECORD:

JOSEPH D. DARBONNE, P.E. NO.: 39820
 METRO CONSULTING GROUP, LLC
 604 COURTLAND STREET, SUITE 140
 ORLANDO, FL 32804
 CONTRACT NO.: 17-0024
 (407) 960-3973
 VENDOR NO.: F3000653248-001
 CERTIFICATE OF AUTHORIZATION NO.: 29325

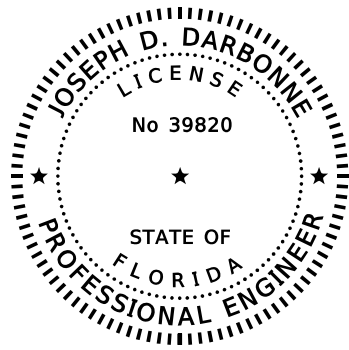
LAKE COUNTY PROJECT MANAGER:

George Gadiel, PE

KEY SHEET REVISIONS	
DATE	DESCRIPTION

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
N/A	20	1

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



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

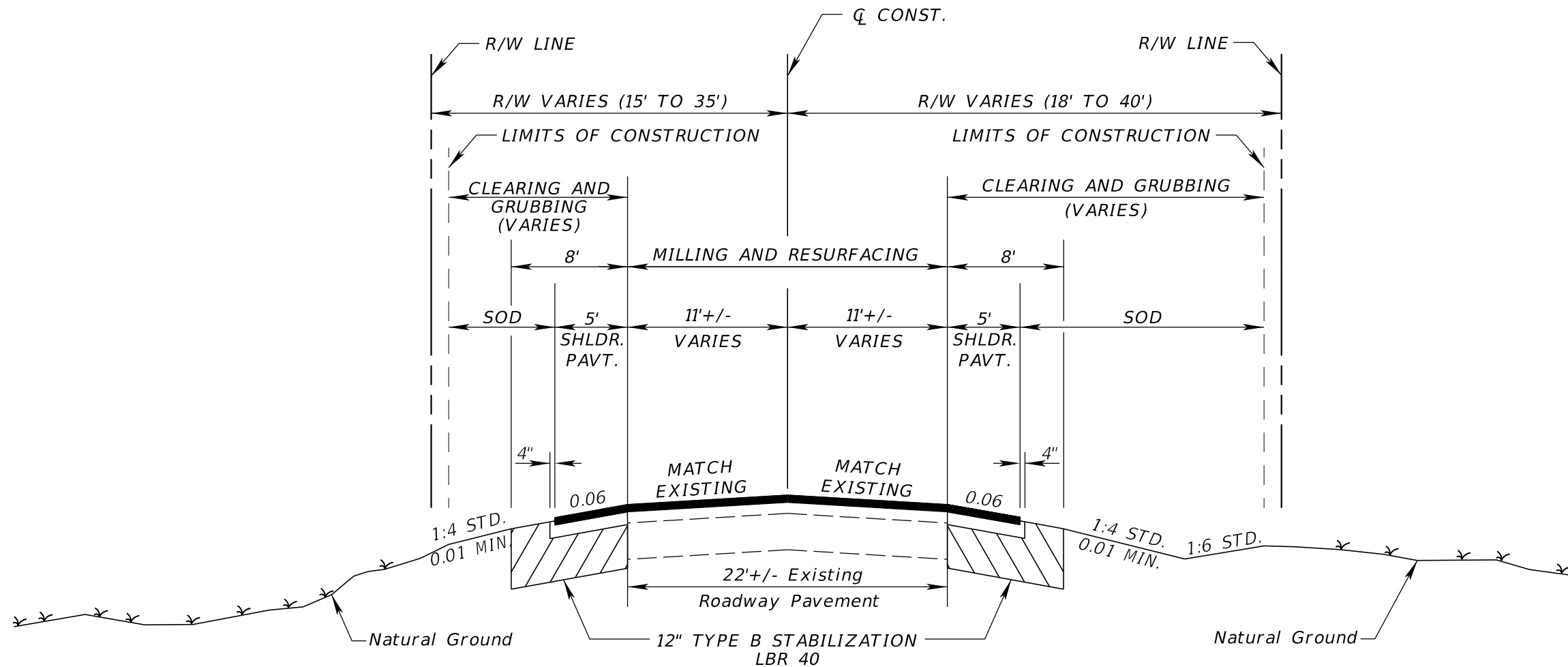
PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED
AND THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

METRO CONSULTING GROUP, LLC
604 COURTLAND STREET, SUITE 140
ORLANDO, FL 32804
CERTIFICATE OF AUTHORIZATION: 29325
JOSEPH D. DARBONNE, P.E. NO. 39820

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

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
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6 - 11	ROADWAY PLAN
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31	STORMWATER POLLUTION PREVENTION PLAN
S-1 - S-6	SIGNING AND PAVEMENT MARKING PLAN

REVISIONS				JOSEPH DWAYNE DARBONNE, P.E. P.E. LICENSE NUMBER 39820 METRO CONSULTING GROUP, LLC 604 COURTLAND STREET, SUITE 140 ORLANDO, FLORIDA 32804 CERTIFICATE OF AUTHORIZATION 29325	LAKE LOUISA ROAD LAKE COUNTY, FLORIDA LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01	SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				2



TYPICAL SECTION
LAKE LOUISA ROAD
 § SURVEY STA. 35+43.76 TO § SURVEY STA. 63+41.76
 ¶ CONST. STA. 135+43.76 TO ¶ CONST. STA. 163+33.28

EXISTING TRAVEL LANES

MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 WITH
 FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

TRAFFIC DATA

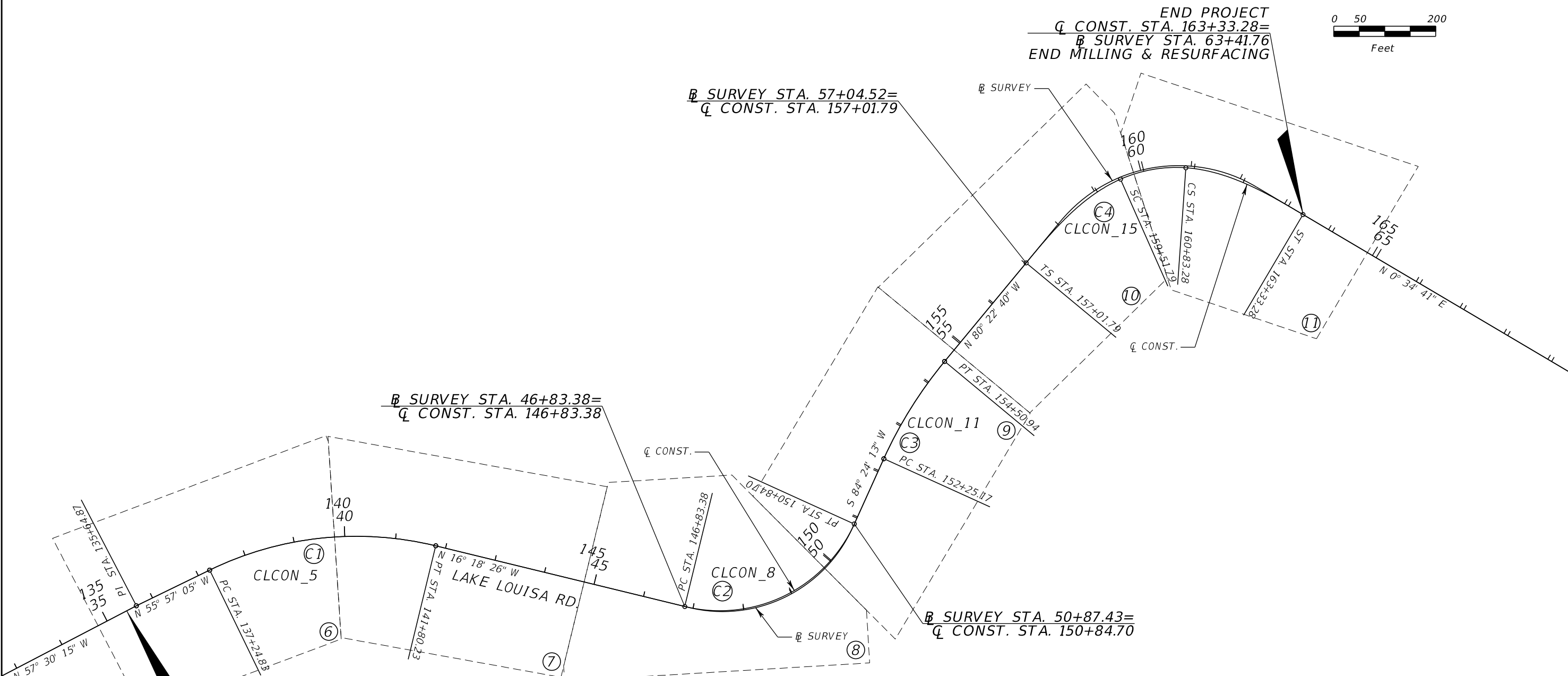
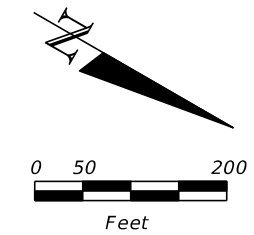
CURRENT YEAR = 2018 AADT = 3,641
 ESTIMATED OPENING YEAR = 2020 AADT = 4,121
 K = 9.0% D = 54.20% T = 13.0%
 DESIGN SPEED = 40 MPH

REVISIONS				JOSEPH DWAYNE DARBONNE, P.E. P.E. LICENSE NUMBER 39820 METRO CONSULTING GROUP, LLC 604 COURTLAND STREET, SUITE 140 ORLANDO, FLORIDA 32804 CERTIFICATE OF AUTHORIZATION 29325	LAKE LOUISA ROAD LAKE COUNTY, FLORIDA LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01	TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				3

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CURVE DATA B SURVEY

CURVE NO.	P.C. STATION	P.I. STATION	P.T. STATION	Δ	D	T	L	R	e	DESIGN SPEED
C1	37+24.83	39+62.07	41+80.23	39° 38' 39" RT	8° 42' 20"	237.24	455.40	658.17		40
C2	46+91.67	49+23.67	50+79.15	79° 17' 21" LT	20° 27' 46"	232.00	387.48	280.00		40
C3	52+27.90	53+41.46	54+53.67	15° 13' 07" RT	6° 44' 27"	113.55	225.77	850.00		40
C4	58+11.20	60+67.22	62+35.08	80° 57' 21" RT	19° 05' 55"	256.02	423.88	300.00		40



CURVE DATA Q CONST.

CURVE NO.	P.C. STATION	P.I. STATION	P.T. STATION	Δ	D	T	L	R	e	DESIGN SPEED
CLCON_5	137+24.83	139+62.07	141+80.23	39° 38' 39" RT	8° 42' 19"	237.24	455.40	658.17	EXIST.	40
CLCON_8	146+83.38	149+23.67	150+84.70	79° 17' 21" LT	19° 45' 26"	240.29	401.32	290.00	EXIST.	40
CLCON_11	152+25.17	153+38.72	154+50.94	15° 13' 07" RT	6° 44' 26"	113.55	225.77	850.00	EXIST.	40

SPIRAL CURVE DATA Q CONST.

CURVE NO.	SCS PI STATION	Δ	θ	Ls	Ts	Es	P	K	Xc	Yc	LT	ST	LC	DESIGN SPEED
CLCON_15	160+17.54	80° 57' 21"	26.53°	250.00'	362.70'	367.54'	9.57'	124.88'	244.69'	37.99'	168.59'	85.05'	247.61'	40

BEGIN PROJECT
Q CONST. STA. 135+43.76=
B SURVEY STA. 35+43.76
BEGIN MILLING & RESURFACING

END PROJECT
Q CONST. STA. 163+33.28=
B SURVEY STA. 63+41.76
END MILLING & RESURFACING

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOSEPH DWAYNE DARBONNE, P.E.
P.E. LICENSE NUMBER 39820
METRO CONSULTING GROUP, LLC
604 COURTLAND STREET, SUITE 140
ORLANDO, FLORIDA 32804
CERTIFICATE OF AUTHORIZATION 29325

LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

PROJECT LAYOUT

SHEET NO.
4

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

LEGEND

- AH = AHEAD
- BK = BACK
- B = BASELINE
- Δ = DELTA (DEFLECTION ANGLE)
- E = EASTING
- F.A.C. = FLORIDA ADMINISTRATIVE CODE
- FDEP = FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
- FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION
- F.P. = FINANCIAL PROJECT
- GPS = GLOBAL POSITIONING SYSTEM
- L = ARC LENGTH
- LT. = LEFT
- N = NORTHING
- NGS = NATIONAL GEODETIC SURVEY
- PID = NGS PERMANENT IDENTIFIER
- P.L.S. = PROFESSIONAL LAND SURVEYOR
- P.C. = POINT OF CURVATURE
- P.I. = POINT OF INTERSECTION
- P.O.T. = POINT ON TANGENT
- P.T. = POINT OF TANGENCY
- PMON = POURED IN PLACE CONCRETE MONUMENT
- R = RADIUS
- REC. = RECOVERED
- RT. = RIGHT
- SR = STATE ROAD
- STA. = STATION
- T = TANGENT
- NAD83 = NORTH AMERICAN DATUM OF 1983

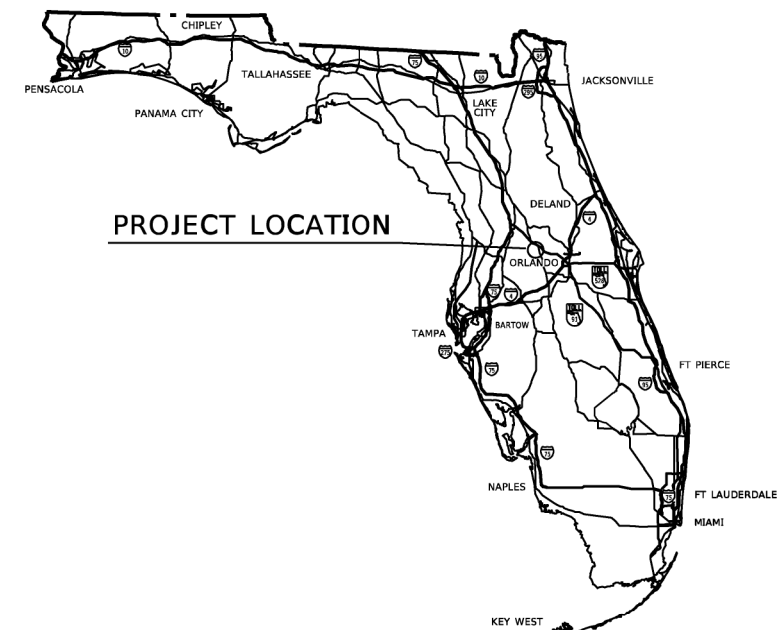
LAKE COUNTY PUBLIC WORKS

LAKE LOUISA ROAD

LAKE COUNTY PROJECT NO. 17-0024

FDOT F.P. NO. 439702-1-58-01

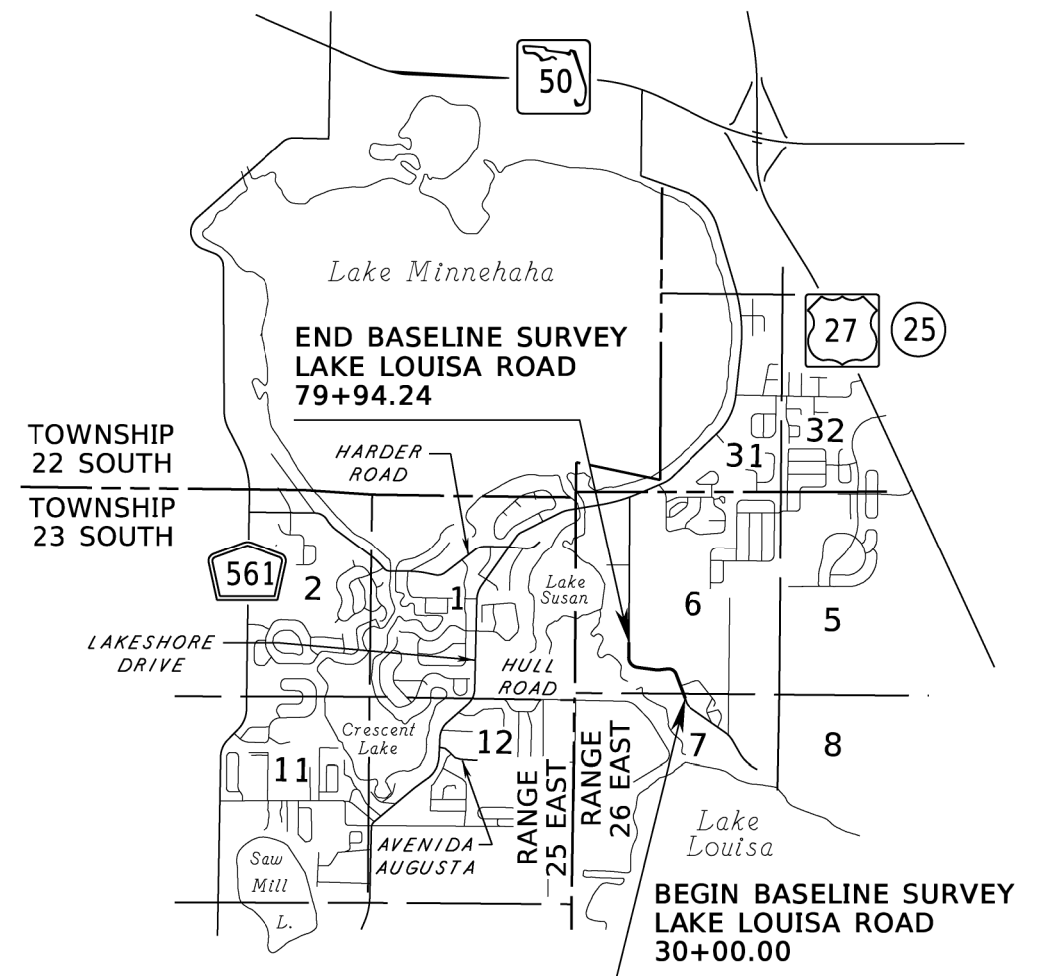
LOCATED IN SECTIONS 6 AND 7
OF TOWNSHIP 23 SOUTH, RANGE 26 EAST
LAKE COUNTY, FLORIDA



PROJECT LOCATION

VICINITY MAP

(NOT TO SCALE)



GENERAL NOTES

1. BEARINGS SHOWN HEREON ARE BASED ON COORDINATE VALUES FOR LAKE COUNTY GEODETIC AND BENCHMARK DENSIFICATION PROJECT 2003 PUBLISHED CONTROL STATIONS: LK 181 2003, LK 182 2003, LK 183 2003, LK 187 2003 AND LK 188 2003. (DATA FOR THESE STATIONS IS LISTED ON SHEET NO. CTL-3). COORDINATE VALUES ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE (0901), NORTH AMERICAN DATUM OF 1983, NGS ADJUSTMENT OF 1990 (NAD83/90); FROM WHICH A BEARING OF N.00°34'41"E. IS DERIVED ON THE BASELINE OF SURVEY OF LAKE LOUISA ROAD BETWEEN P.T. STATION 62+35.08 AND END BASELINE SURVEY STATION 79+94.24.
2. ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND BASED ON PUBLISHED ORTHOMETRIC HEIGHTS FOR THE CONTROL STATIONS LISTED IN GENERAL NOTE NO. 1.
3. PROJECT UNITS: U.S. SURVEY FOOT.
4. GRID DISTANCES HAVE A MEAN SCALE FACTOR OF 1.0000074251, CAUTION IS ADVISED WHEN USING THIS FACTOR, SINCE INDIVIDUAL VALUES FOR EACH LINE WILL DIFFER.
5. THE BASELINE OF SURVEY SHOWN HEREON WAS NOT PHYSICALLY SET OR STAKED IN THE FIELD. IT IS BASED ON A COMPUTED POSITION RELATIVE TO THE LIMITED LOCATION OF EXISTING RIGHT OF WAY MONUMENTATION AND ROADWAY IMPROVEMENTS WITHIN THE PROJECT LIMITS; AND AS BASED ON THE ADJACENT SUBDIVISION RECORD PLATS EXISTING ALONG THE CORRIDOR AT THE TIME OF THIS SURVEY.
6. THE CURVE DATA (TANGENT AND LENGTH) AND THE BASELINE OF SURVEY STATIONING HAS BEEN CALCULATED BASED ON THE CENTRAL ANGLE OF THE CURVES EXPRESSED TO ONE-TENTH (00.0") OF A SECOND, AS DERIVED FROM THE COORDINATE VALUES FOR THE POINT OF INTERSECTION (P.I.) OF SAID CURVES AND THEIR RADIUS. THE CENTRAL ANGLE OF THE CURVES AND ALL BEARINGS SHOWN HEREON HAVE BEEN ROUNDED TO THE NEAREST SECOND (00") PER FLORIDA DEPARTMENT OF TRANSPORTATION MAPPING STANDARDS.
7. ALL DISTANCES, ANGLES, BEARINGS, STATIONS, AND OFFSETS SHOWN HEREON ARE COMPUTED, UNLESS OTHERWISE INDICATED.
8. THE OFFICIAL RECORD OF THESE PROJECT CONTROL SHEETS (CTL-1 THROUGH CTL-3) IS THE SURVEY REPORT FOR THE SPECIFIC PURPOSE SURVEY CONDUCTED UNDER LAKE COUNTY PROJECT NUMBER 17-0024, LAKE LOUISA ROAD, FROM NW. OF GLEASON WAY TO SOUTH OF HAMMOCK RIDGE ROAD, LAKE COUNTY, WITH A SIGNED AND SEALED COPY OF THIS DOCUMENT ON FILE AT THE LAKE COUNTY PUBLIC WORKS DEPARTMENT, TAVARES, FLORIDA.
9. THIS PROJECT CONTROL IS SUPPORTED BY DATA CONTAINED IN ELECTRONIC FILE 7021D.ZIP AND FIELD BOOKS NUMBERED JWG-LK1, JWG-LK2 AND JWG-LK3, BEING FILED OF RECORD THE SAME AS STATED IN GENERAL NOTE NO. 8.
10. ATTENTION IS DIRECTED TO THE FACT THAT THESE MAPS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

PROJECT DESCRIPTION: LAKE LOUISA ROAD FROM NW. OF GLEASON WAY TO SOUTH OF HAMMOCK RIDGE ROAD

FILE: CTLSRD01.DGN
JOB NO. 29217

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MAPS PREPARED BY:
J. THOMAS STEVENSON, PLS
FLORIDA PROFESSIONAL LAND
SURVEYOR AND MAPPER NO. 4460
JONES, WOOD & GENTRY, INC. - LB 1
2600 EAST ROBINSON STREET
ORLANDO, FLORIDA 32803
TELEPHONE: 407-898-7780

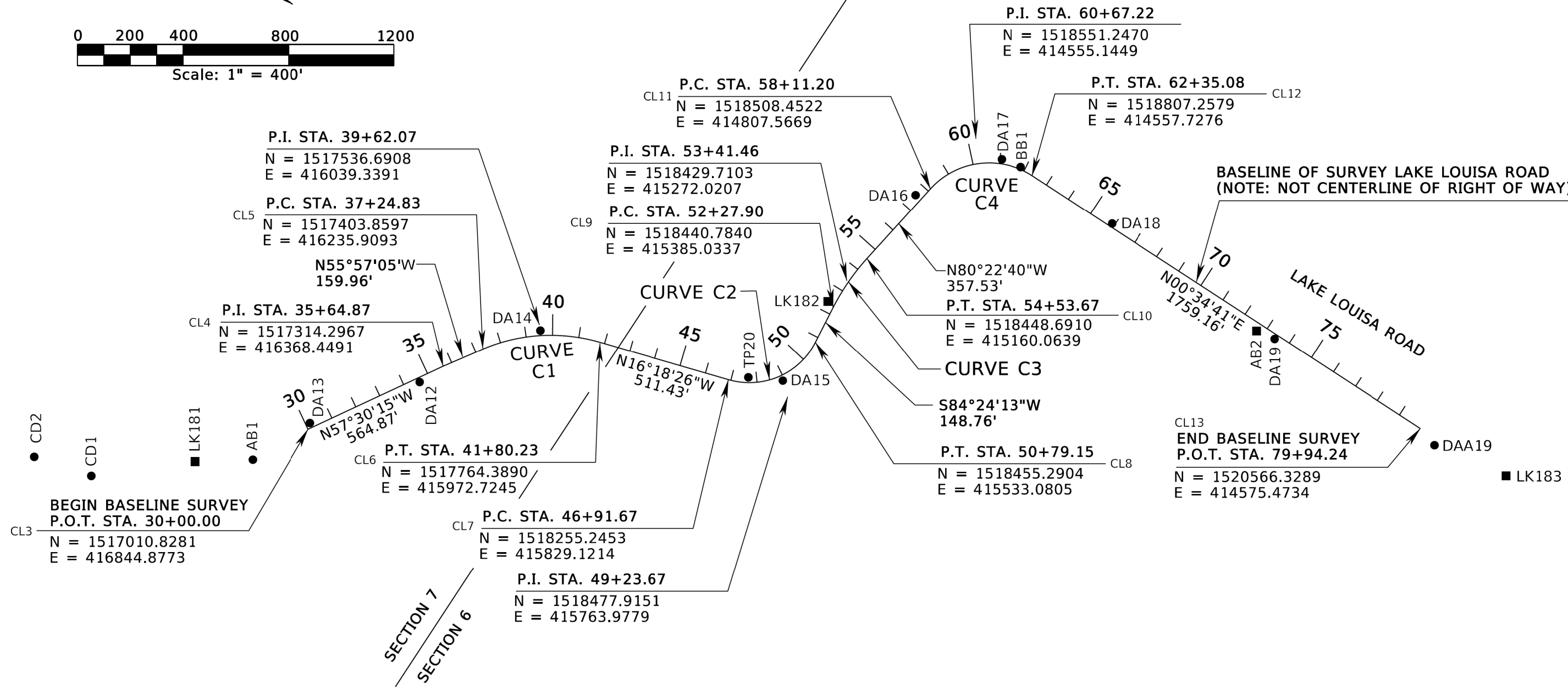
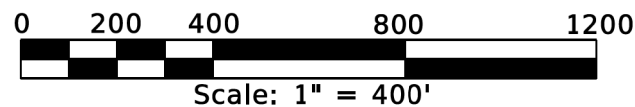
LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

PROJECT CONTROL

SHEET NO.
CTL-1

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE SIGNED AND SEALED COPY ON FILE WITH LAKE COUNTY PUBLIC WORKS DEPARTMENT

TOWNSHIP 23 SOUTH, RANGE 26 EAST



CURVE C1	CURVE C2	CURVE C3	CURVE C4
P.I. STA. 39+62.07	P.I. STA. 49+23.67	P.I. STA. 53+41.46	P.I. STA. 60+67.22
$\Delta = 39^\circ 38' 39''$ (RT)	$\Delta = 79^\circ 17' 21''$ (LT)	$\Delta = 15^\circ 13' 07''$ (RT)	$\Delta = 80^\circ 57' 21''$ (RT)
T = 237.24'	T = 232.00'	T = 113.55'	T = 256.02'
L = 455.40'	L = 387.48'	L = 225.77'	L = 423.88'
R = 658.17'	R = 280.00'	R = 850.00'	R = 300.00'
P.C. STA. 37+24.83	P.C. STA. 46+91.67	P.C. STA. 52+27.90	P.C. STA. 58+11.20
P.T. STA. 41+80.23	P.T. STA. 50+79.15	P.T. STA. 54+53.67	P.T. STA. 62+35.08

PROJECT DESCRIPTION: LAKE LOUISA ROAD FROM NW. OF GLEASON WAY TO SOUTH OF HAMMOCK RIDGE ROAD

FILE: CTLSRD02.DGN
JOB NO. 29217

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

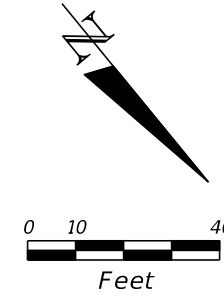
MAPS PREPARED BY:
J. THOMAS STEVENSON, PLS
FLORIDA PROFESSIONAL LAND
SURVEYOR AND MAPPER NO. 4460
JONES, WOOD & GENTRY, INC. - LB 1
2600 EAST ROBINSON STREET
ORLANDO, FLORIDA 32803
TELEPHONE: 407-898-7780

LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

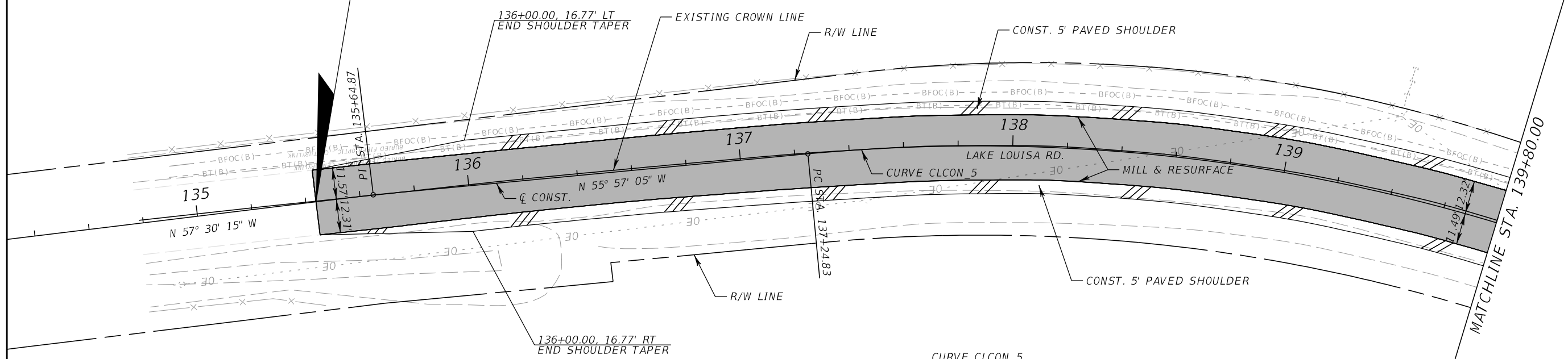
PROJECT CONTROL

SHEET NO.
CTL-2

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE SIGNED AND SEALED COPY ON FILE WITH LAKE COUNTY PUBLIC WORKS DEPARTMENT



BEGIN PROJECT
 Q CONST. STA. 135+43.76
 BEGIN MILLING & RESURFACING
 BEGIN PAVED SHOULDER CONST.
 BEGIN SHOULDER TAPER



CURVE CLCON_5
 PI Sta. = 139+62.08
 Delta = 39° 38' 39" (RT)
 T = 237.24'
 L = 455.40'
 R = 658.17'
 PC Sta. = 137+24.83
 PT Sta. = 141+80.23

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

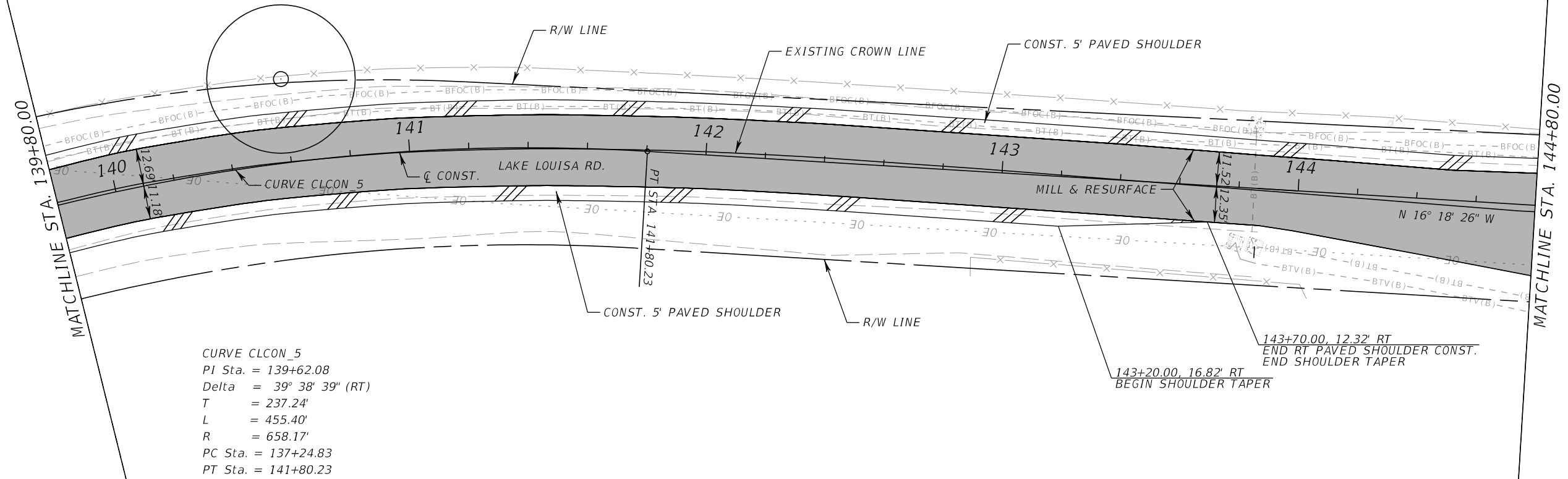
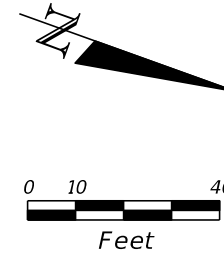
JOSEPH DWAYNE DARBONNE, P.E.
 P.E. LICENSE NUMBER 39820
 METRO CONSULTING GROUP, LLC
 604 COURTLAND STREET, SUITE 140
 ORLANDO, FLORIDA 32804
 CERTIFICATE OF AUTHORIZATION 29325

LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

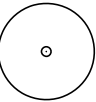
ROADWAY PLAN

SHEET NO.
 6

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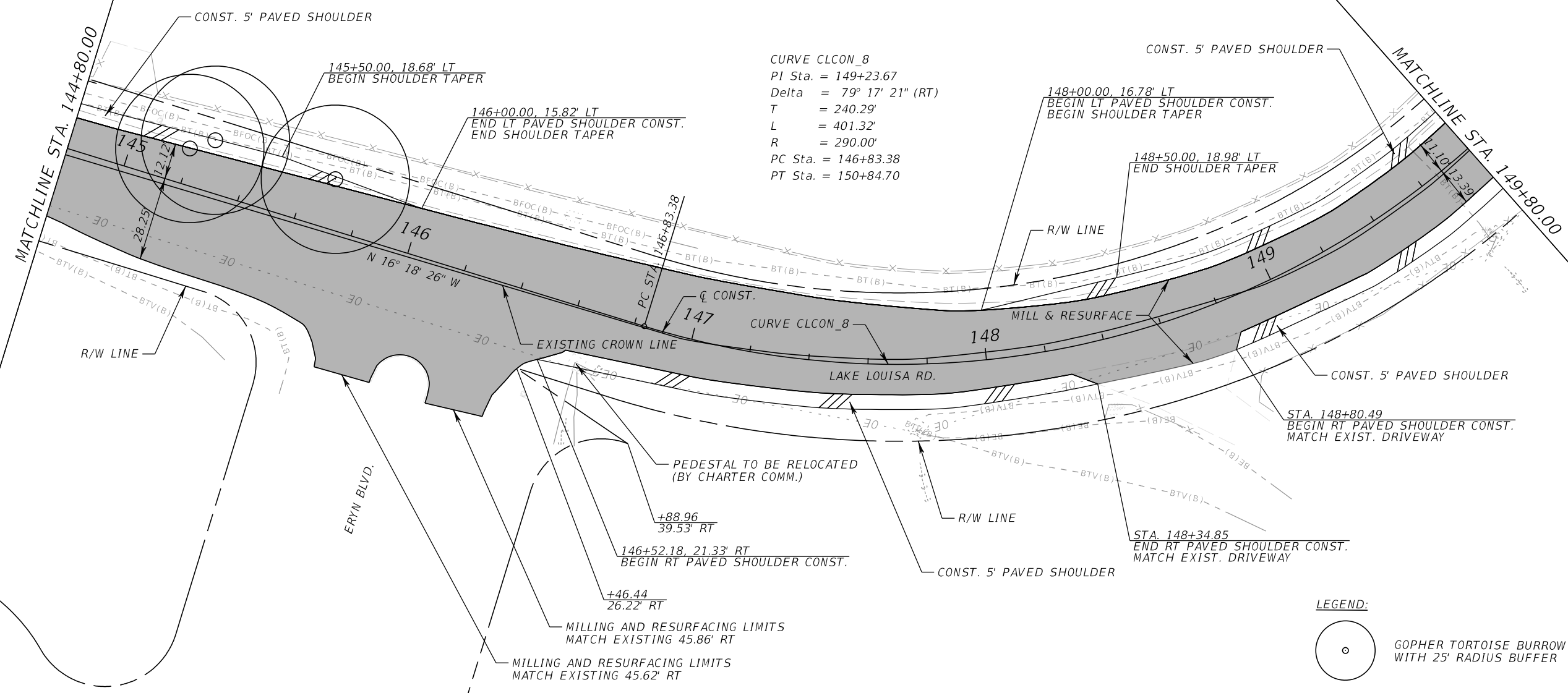
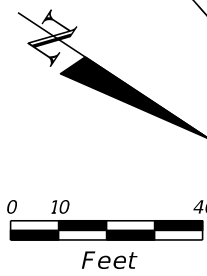


CURVE CLCON_5
 PI Sta. = 139+62.08
 Delta = 39° 38' 39" (RT)
 T = 237.24'
 L = 455.40'
 R = 658.17'
 PC Sta. = 137+24.83
 PT Sta. = 141+80.23

LEGEND:
 GOPHER TORTOISE BURROW LOCATION WITH 25' RADIUS BUFFER

REVISIONS				JOSEPH DWAYNE DARBONNE, P.E. P.E. LICENSE NUMBER 39820 METRO CONSULTING GROUP, LLC 604 COURTLAND STREET, SUITE 140 ORLANDO, FLORIDA 32804 CERTIFICATE OF AUTHORIZATION 29325	LAKE LOUISA ROAD LAKE COUNTY, FLORIDA LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01	ROADWAY PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				7

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LEGEND:

 GOPHER TORTOISE BURROW LOCATION WITH 25' RADIUS BUFFER

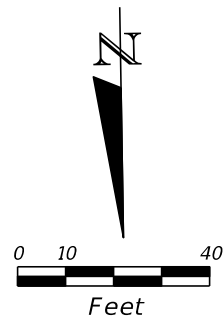
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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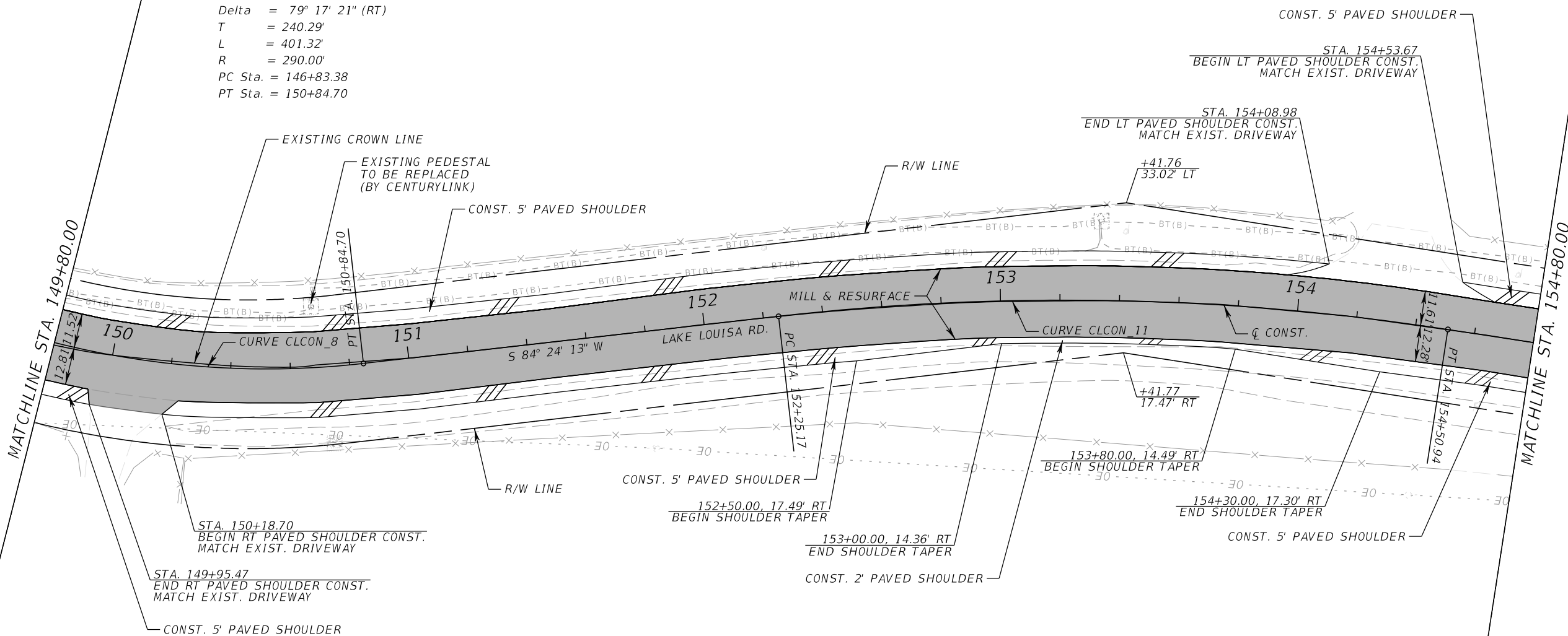
LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

ROADWAY PLAN
 SHEET NO. 8

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CURVE CLCON_8
 PI Sta. = 149+23.67
 Delta = 79° 17' 21" (RT)
 T = 240.29'
 L = 401.32'
 R = 290.00'
 PC Sta. = 146+83.38
 PT Sta. = 150+84.70



CURVE CLCON_11
 PI Sta. = 153+38.72
 Delta = 15° 13' 07" (RT)
 T = 113.55'
 L = 225.77'
 R = 850.00'
 PC Sta. = 152+25.17
 PT Sta. = 154+50.94

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

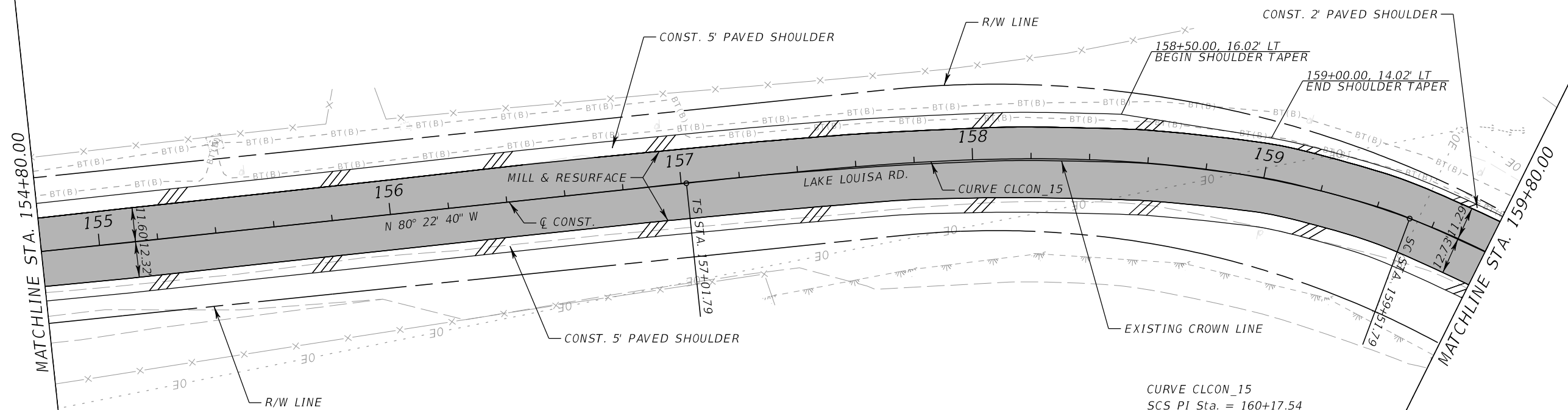
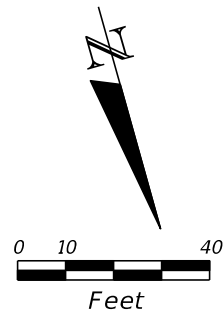
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

ROADWAY PLAN

SHEET NO.
 9

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CURVE CLCON_15
 SCS PI Sta. = 160+17.54
 Δ = 80° 57' 21"
 Theta = 26.53°
 Ls = 250.00'
 Ts = 362.70'
 Es = 367.54'
 P = 9.57'
 K = 124.88'
 Xc = 244.69'
 Yc = 37.99'
 LT = 168.59'
 ST = 85.05'
 LC = 247.61'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

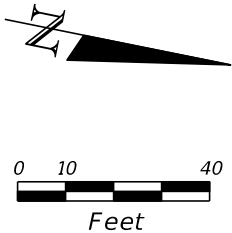
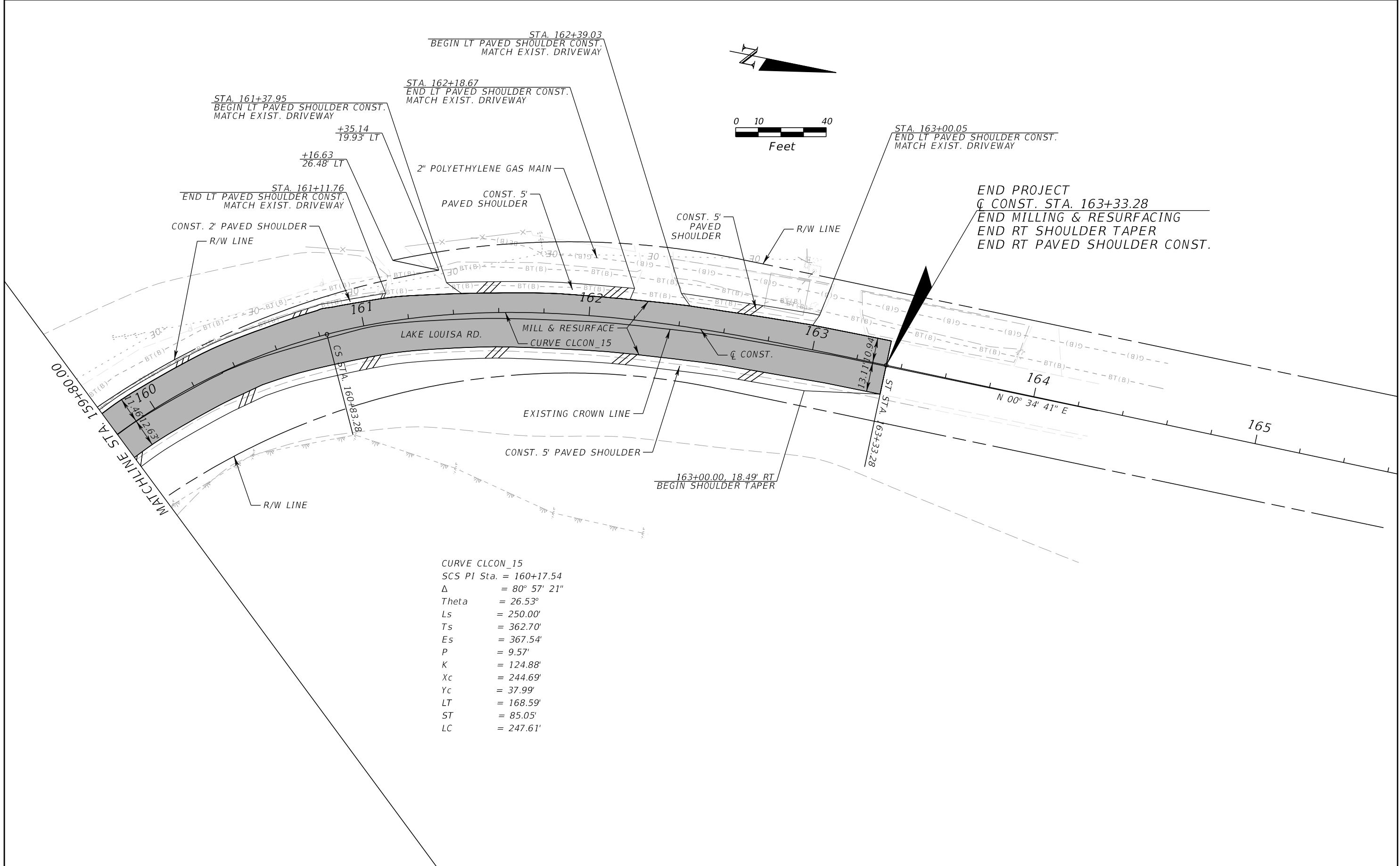
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

ROADWAY PLAN

SHEET NO.
 10

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



CURVE CLCON_15
 SCS PI Sta. = 160+17.54
 Δ = 80° 57' 21"
 Theta = 26.53°
 Ls = 250.00'
 Ts = 362.70'
 Es = 367.54'
 P = 9.57'
 K = 124.88'
 Xc = 244.69'
 Yc = 37.99'
 LT = 168.59'
 ST = 85.05'
 LC = 247.61'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

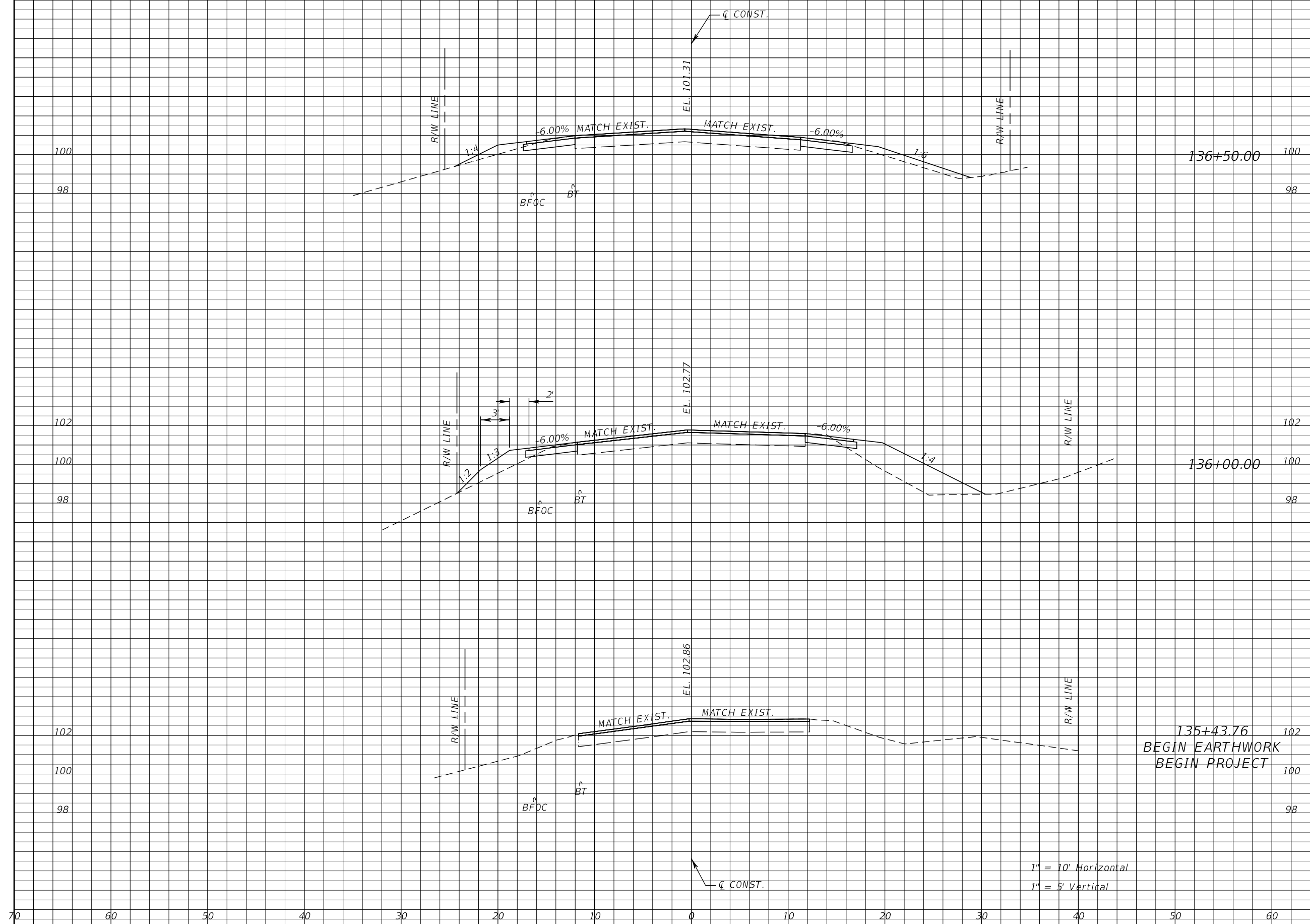
JOSEPH DWAYNE DARBONNE, P.E.
 P.E. LICENSE NUMBER 39820
 METRO CONSULTING GROUP, LLC
 604 COURTLAND STREET, SUITE 140
 ORLANDO, FLORIDA 32804
 CERTIFICATE OF AUTHORIZATION 29325

LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

ROADWAY PLAN

SHEET NO.
11

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
4.4				5.5	
	7				22
3.1				18.7	
	3				20
0				0	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

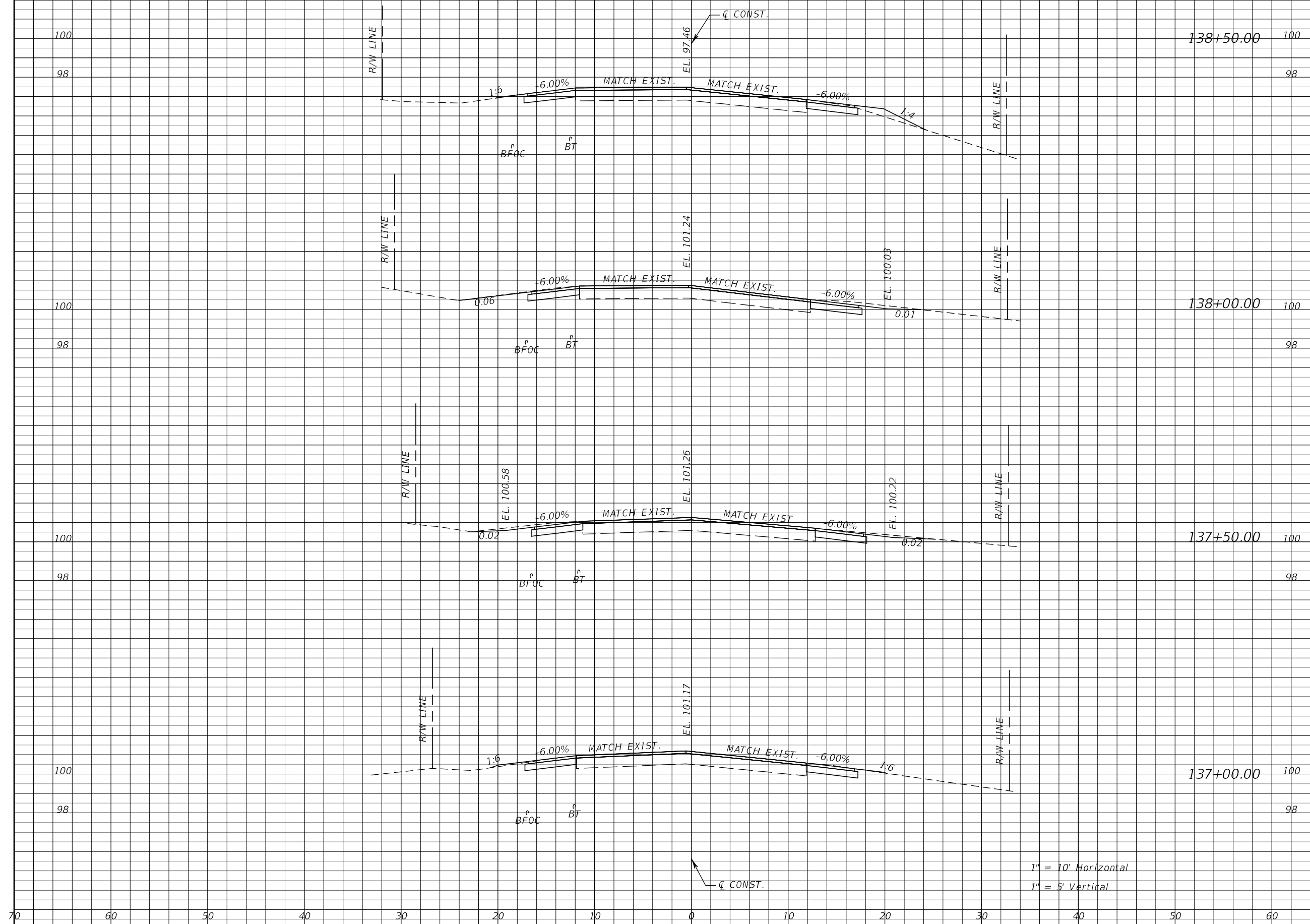
JOSEPH DWAYNE DARBONNE, P.E.
 P.E. LICENSE NUMBER 39820
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

CROSS SECTIONS

SHEET NO.
12

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
4.7			1.7		
	10				2
6.2			0.0		
	12				0
6.4			0.0		
	10				0
4.8			0.3		
	9				5

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

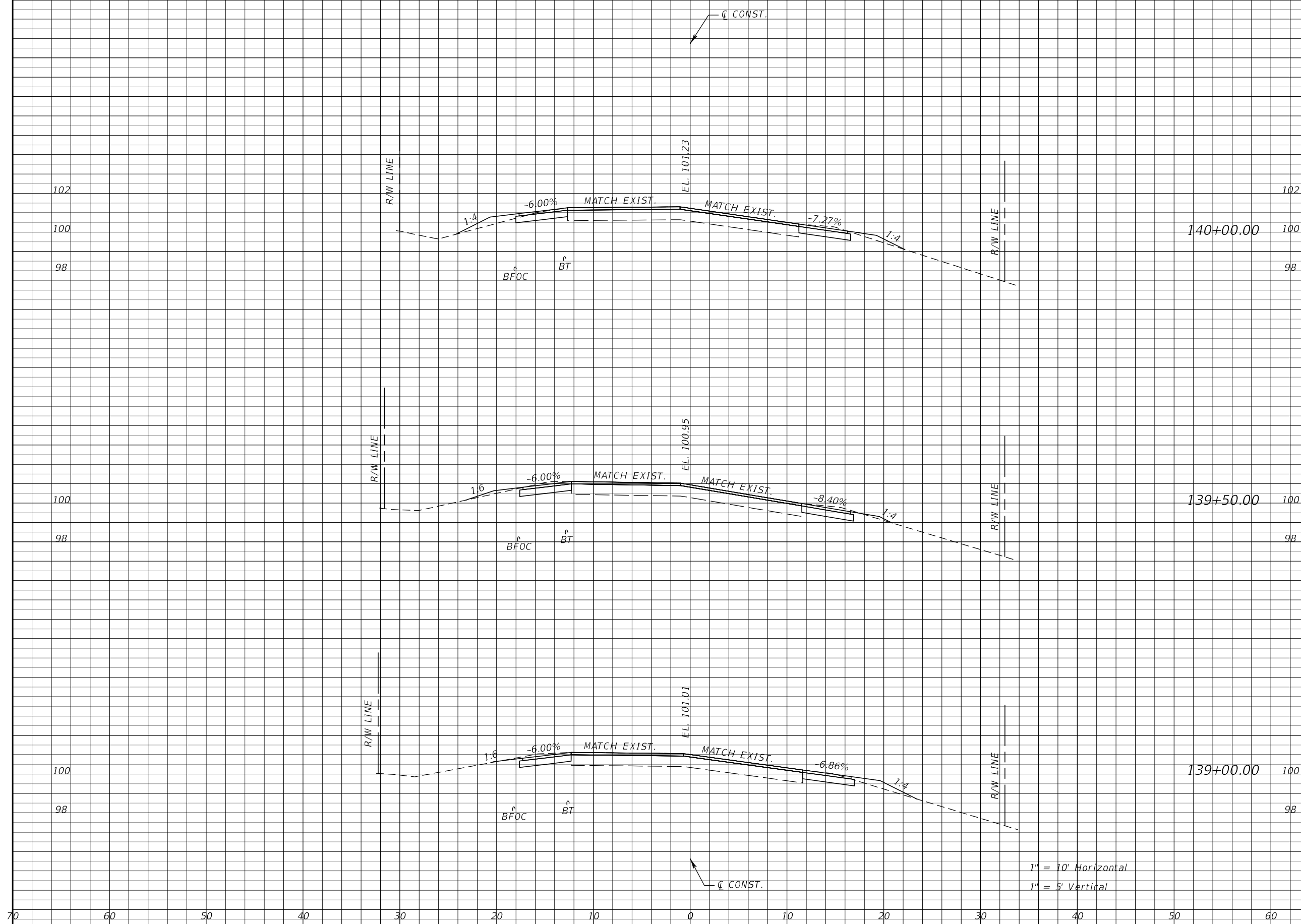
JOSEPH DWAYNE DARBONNE, P.E.
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
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CROSS SECTIONS

SHEET NO.
13

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Regular		Exc.		Embankment	
A	V	A	V	A	V
4.7				2.4	
	9				3
5.5				0.7	
	10				2
5.2				1.5	
	9				3

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

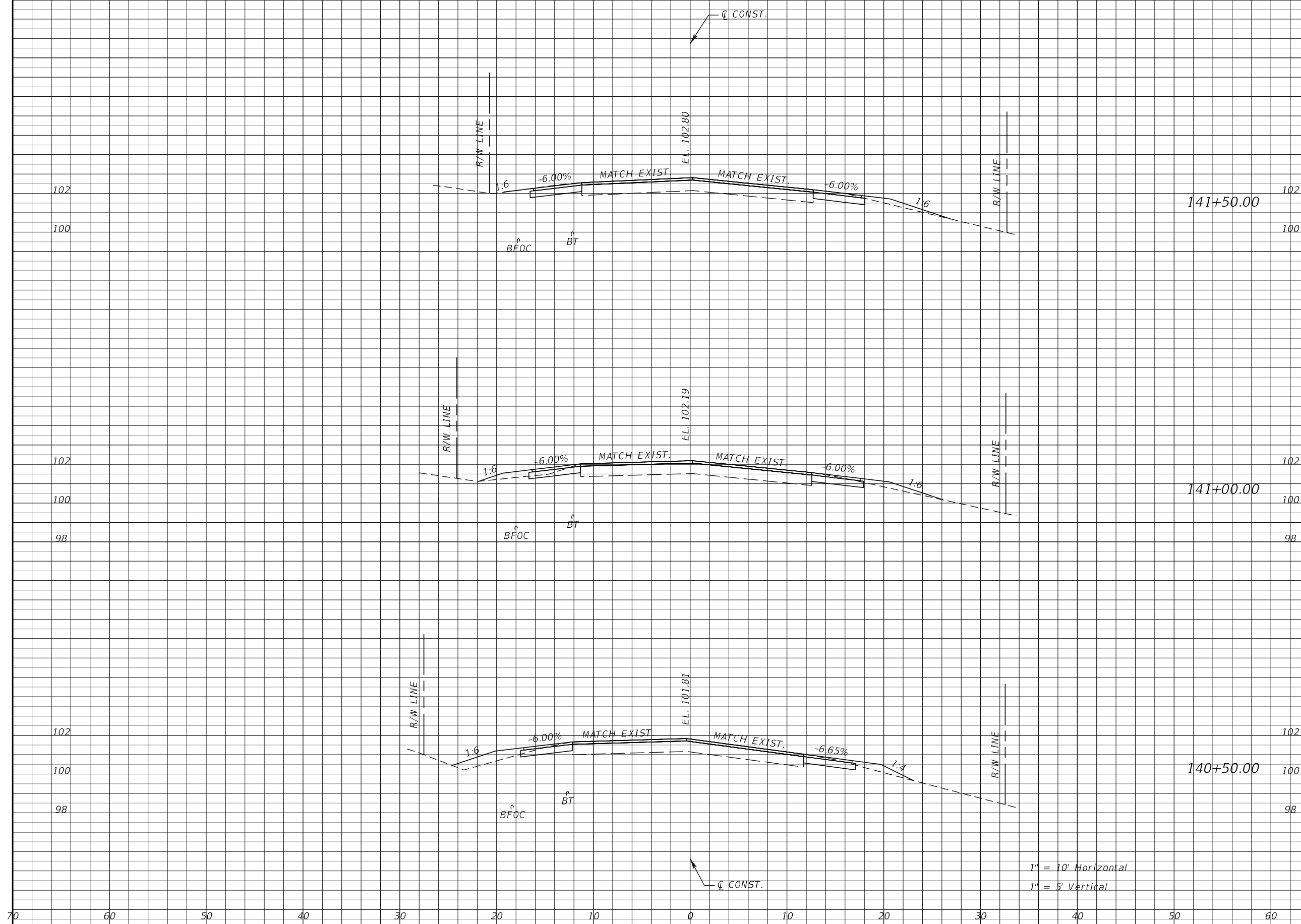
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CROSS SECTIONS

SHEET NO.
14

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Regular		Exc.		Embankment	
A	V	A	V	A	V
4.8			1.5		
	7				4
3.2			2.8		
	6				7
3.8			4.5		
	8				6

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

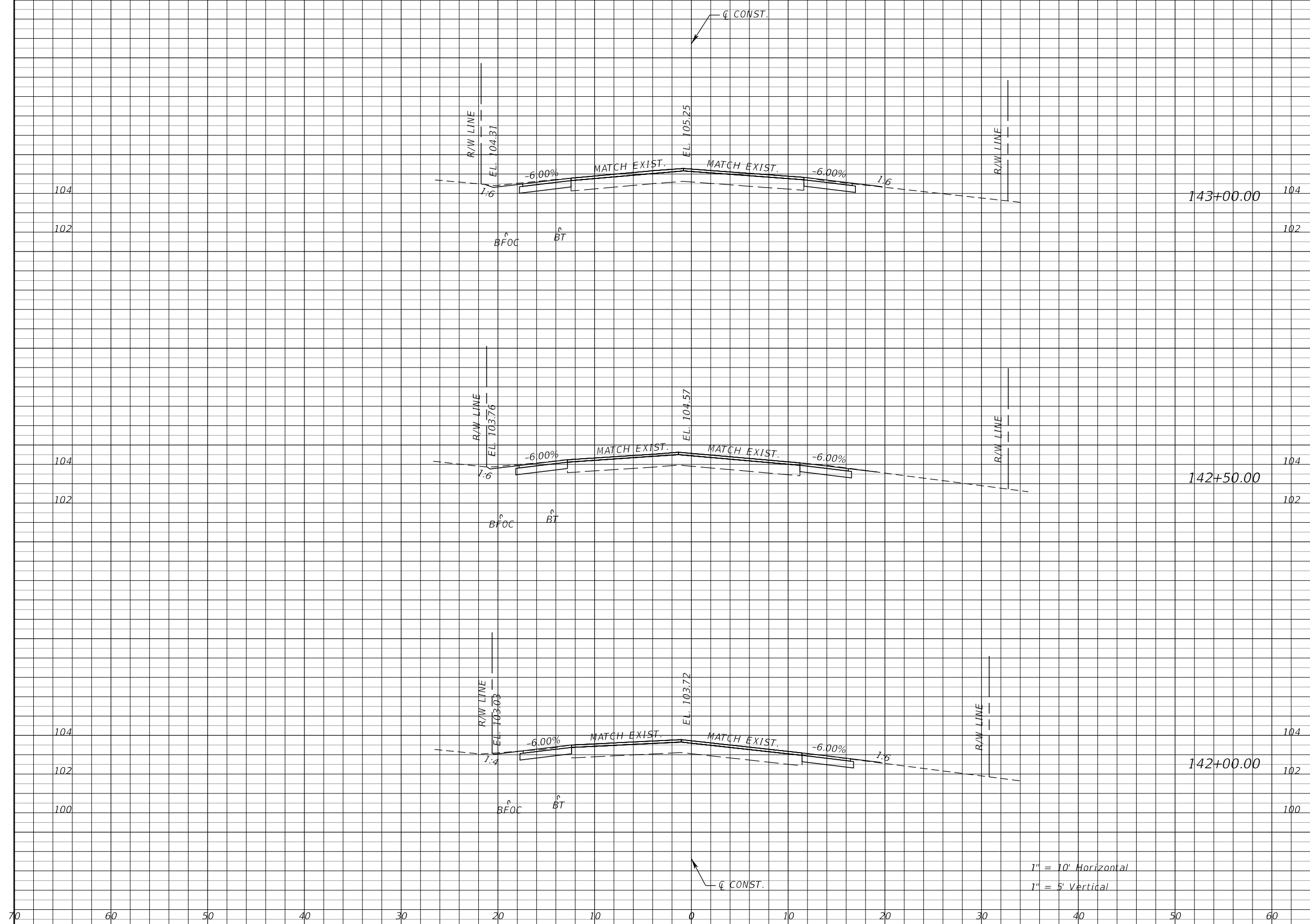
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LAKE COUNTY, FLORIDA
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CROSS SECTIONS

SHEET NO.
15

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Regular		Exc.		Embankment	
A	V	A	V	A	V
5.1			0.1		
	10				0
5.3			0.0		
	9				0
4.7			0.1		
	9				1

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

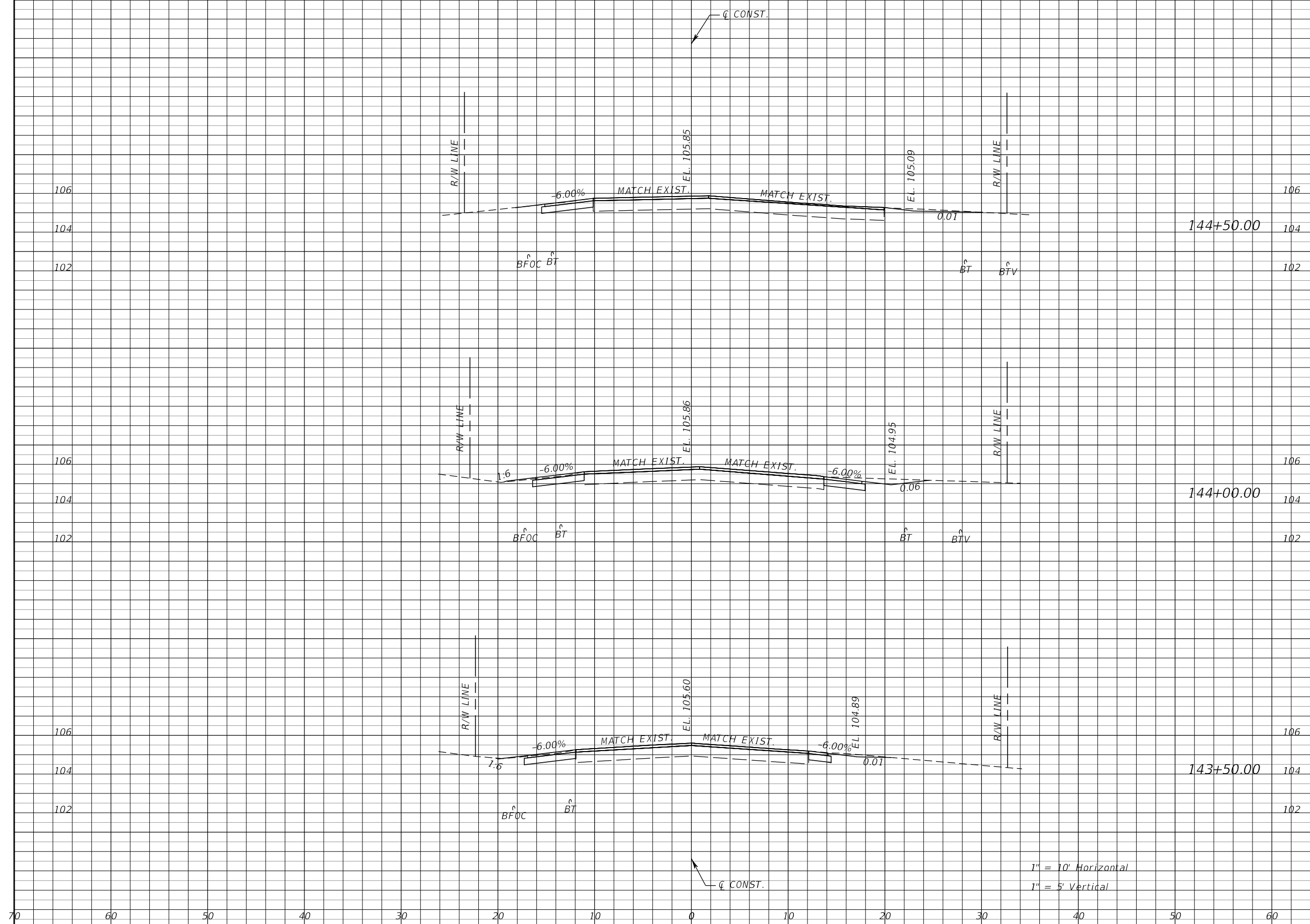
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CROSS SECTIONS

SHEET NO.
16

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
2.9				0.1	
	8				0
5.6				0.2	
	9				0
3.7				0.1	
	8				0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

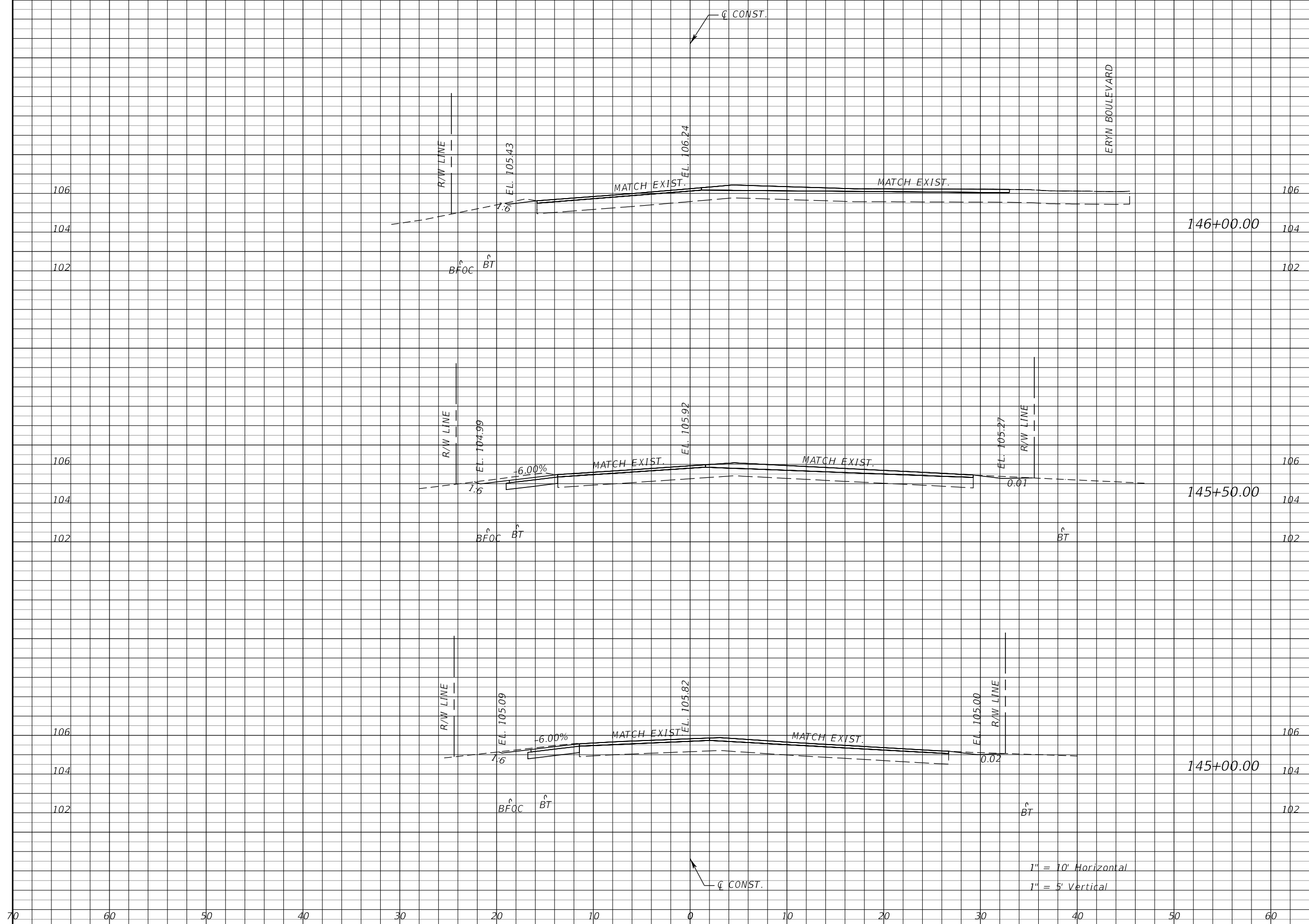
JOSEPH DWAYNE DARBONNE, P.E.
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

CROSS SECTIONS

SHEET NO.
17

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
0.3				0.0	
	4				0
3.9				0.0	
	7				0
3.2				0.0	
	6				0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

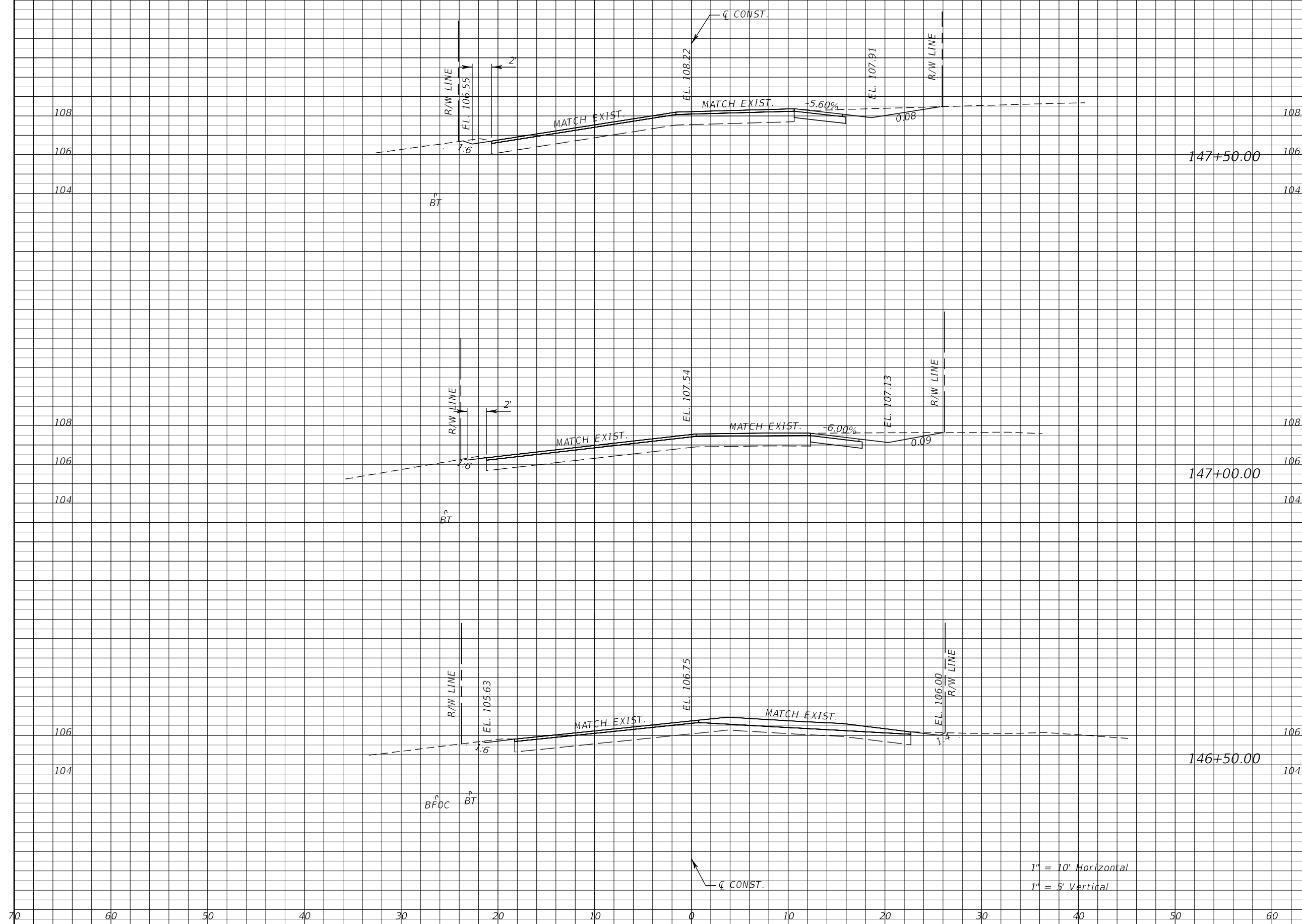
JOSEPH DWAYNE DARBONNE, P.E.
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

CROSS SECTIONS

SHEET NO.
18

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
5.9				0.0	
	11				0
6.1				0.0	
	6				0
0.5				0.0	
	1				0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

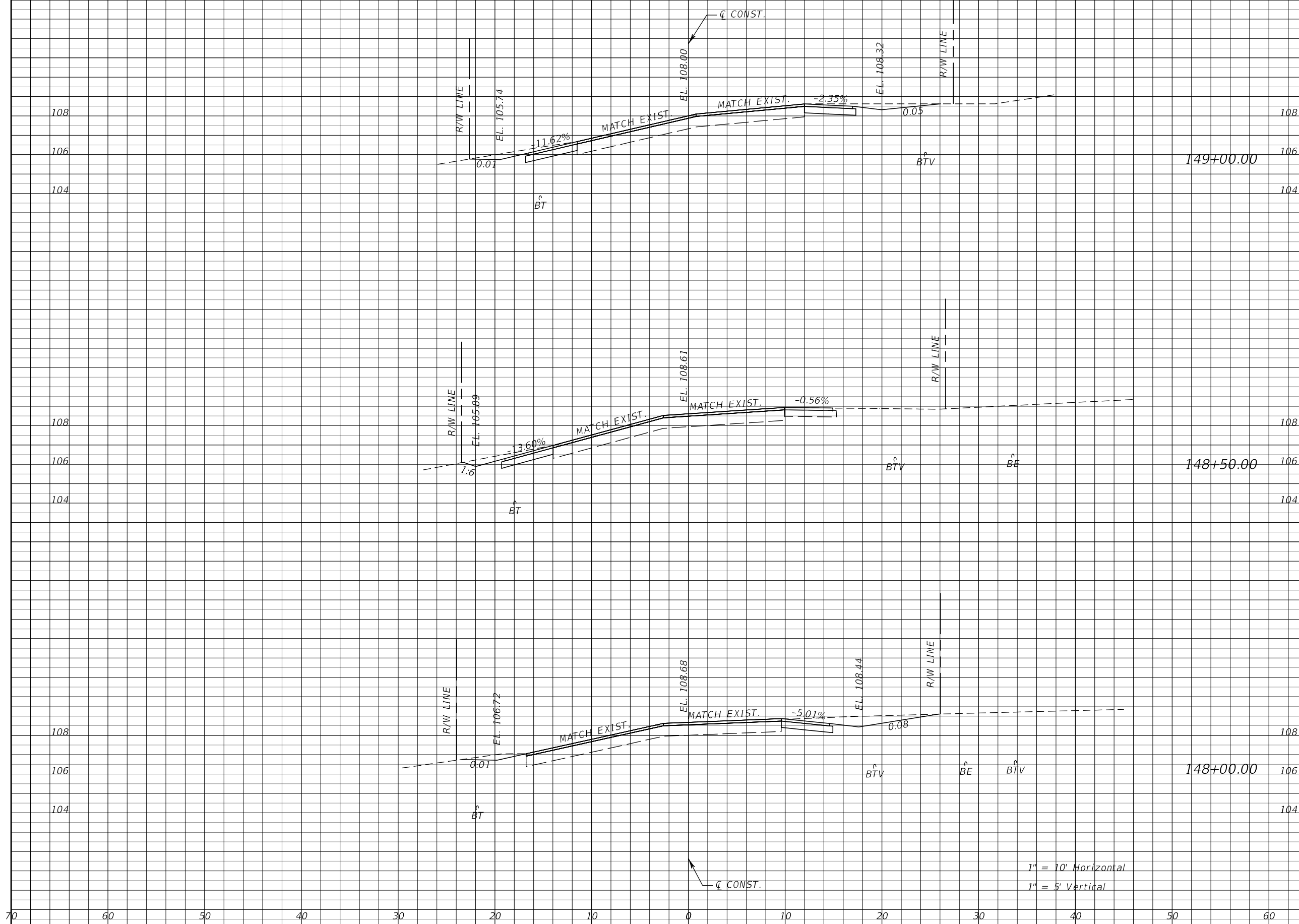
JOSEPH DWAYNE DARBONNE, P.E.
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

CROSS SECTIONS

SHEET NO.
19

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Regular		Exc.		Embankment	
A	V	A	V	A	V
8.4				0.0	
	11				0
4.0				0.0	
	11				0
7.6				0.0	
	13				0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

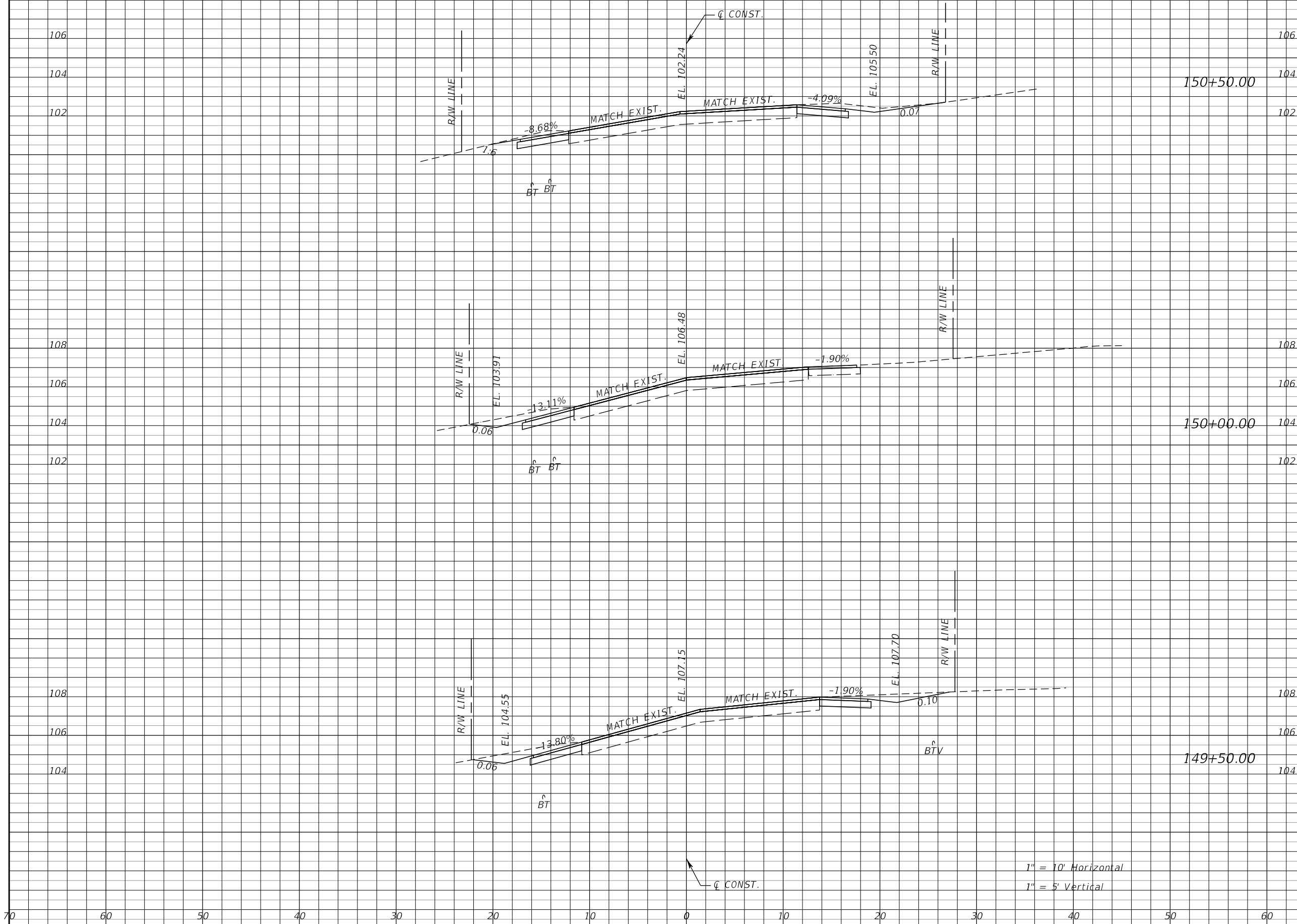
JOSEPH DWAYNE DARBONNE, P.E.
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

CROSS SECTIONS

SHEET NO.
20

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Regular		Exc.		Embankment	
A	V	A	V	A	V
7.7				0.0	
	12				0
5.1				0.0	
	14				0
10.5				0.0	
	17				0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

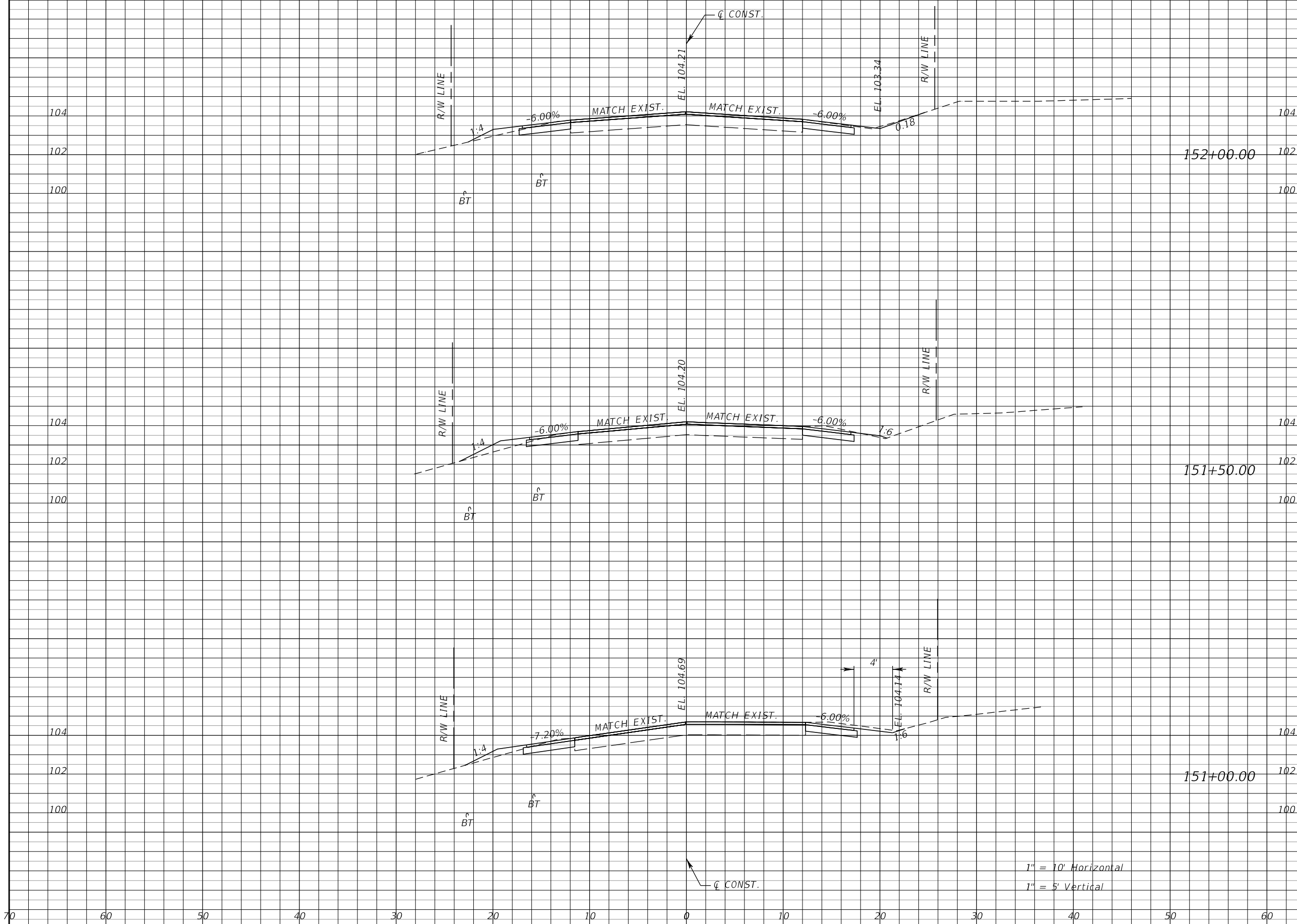
JOSEPH DWAYNE DARBONNE, P.E.
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

CROSS SECTIONS

SHEET NO.
21

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Regular		Exc.		Embankment	
A	V	A	V	A	V
4.6			1.3		
	9				3
4.9			2.2		
	10				3
5.9			1.4		
	13				1

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

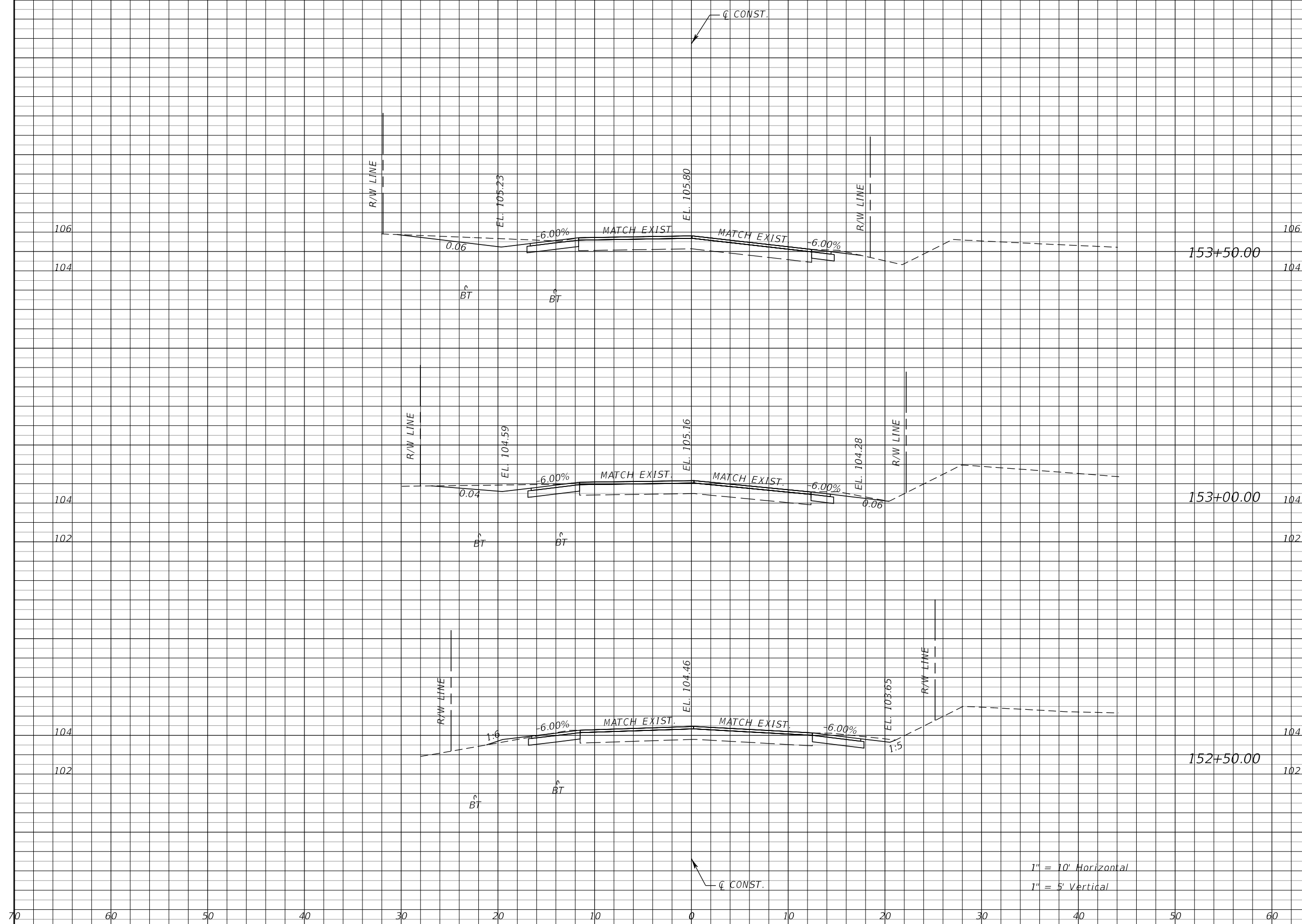
JOSEPH DWAYNE DARBONNE, P.E.
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

CROSS SECTIONS

SHEET NO.
22

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
7.1			0.0		
	13				0
6.4			0.0		
	11				0
5.8			0.4		
	10				2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

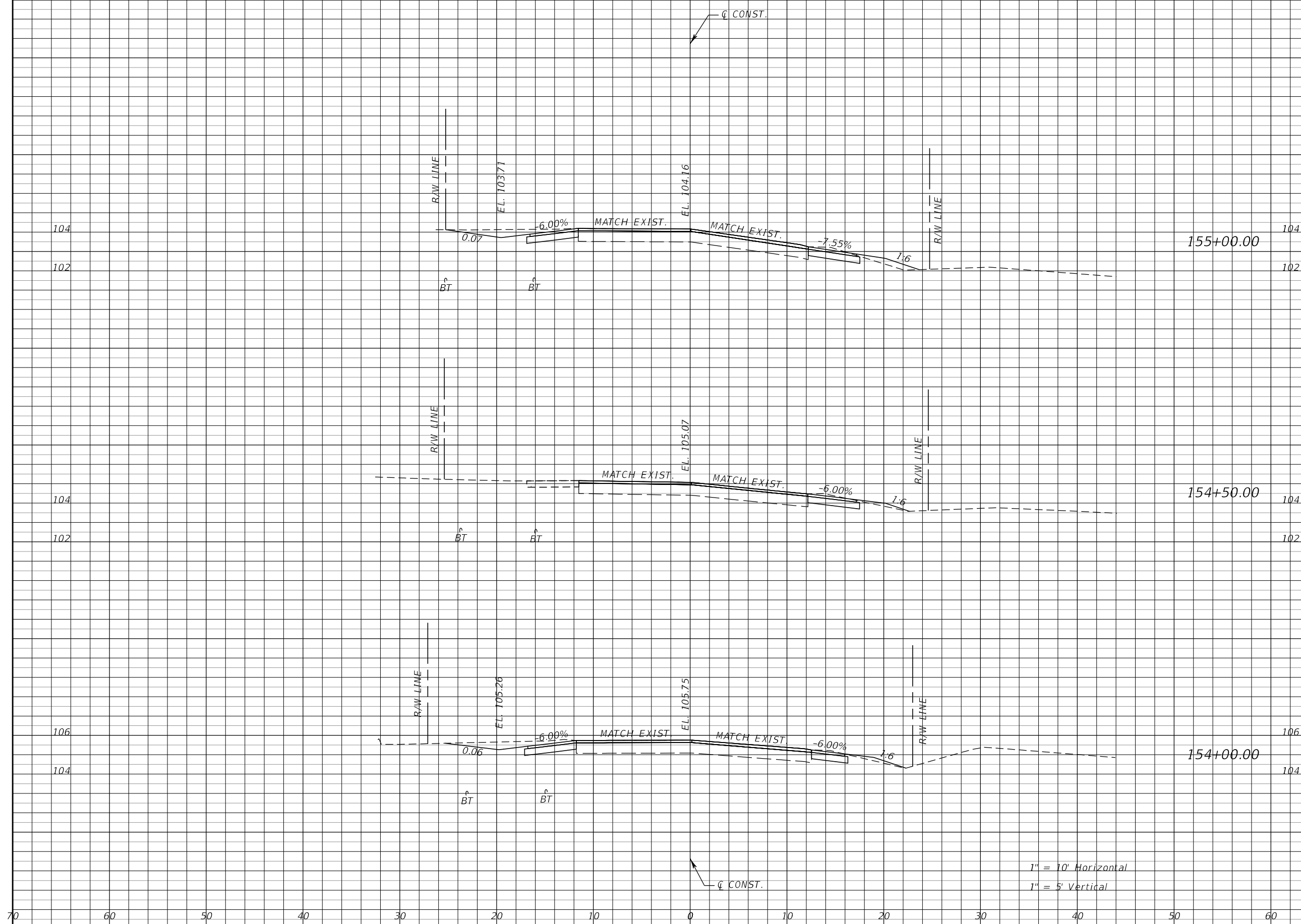
JOSEPH DWAYNE DARBONNE, P.E.
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

CROSS SECTIONS

SHEET NO.
23

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
7.8			1.3		
	10				2
2.6			0.5		
	9				1
7.0			0.6		
	13				1

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

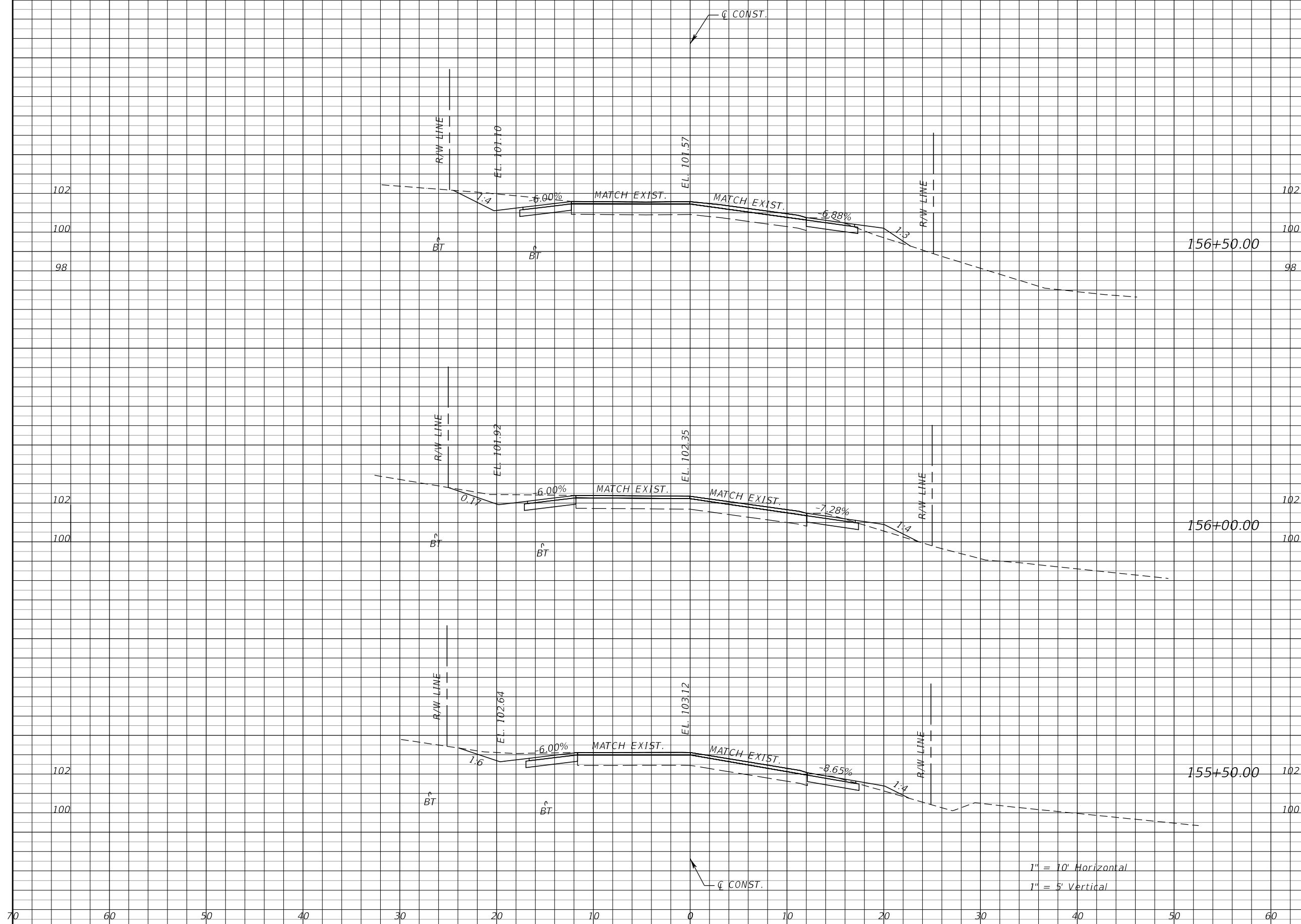
JOSEPH DWAYNE DARBONNE, P.E.
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

CROSS SECTIONS

SHEET NO.
24

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Regular		Exc.		Embankment	
A	V	A	V	A	V
10.4			1.6		
	17				3
8.3			1.3		
	14				2
7.3			0.9		
	14				2

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

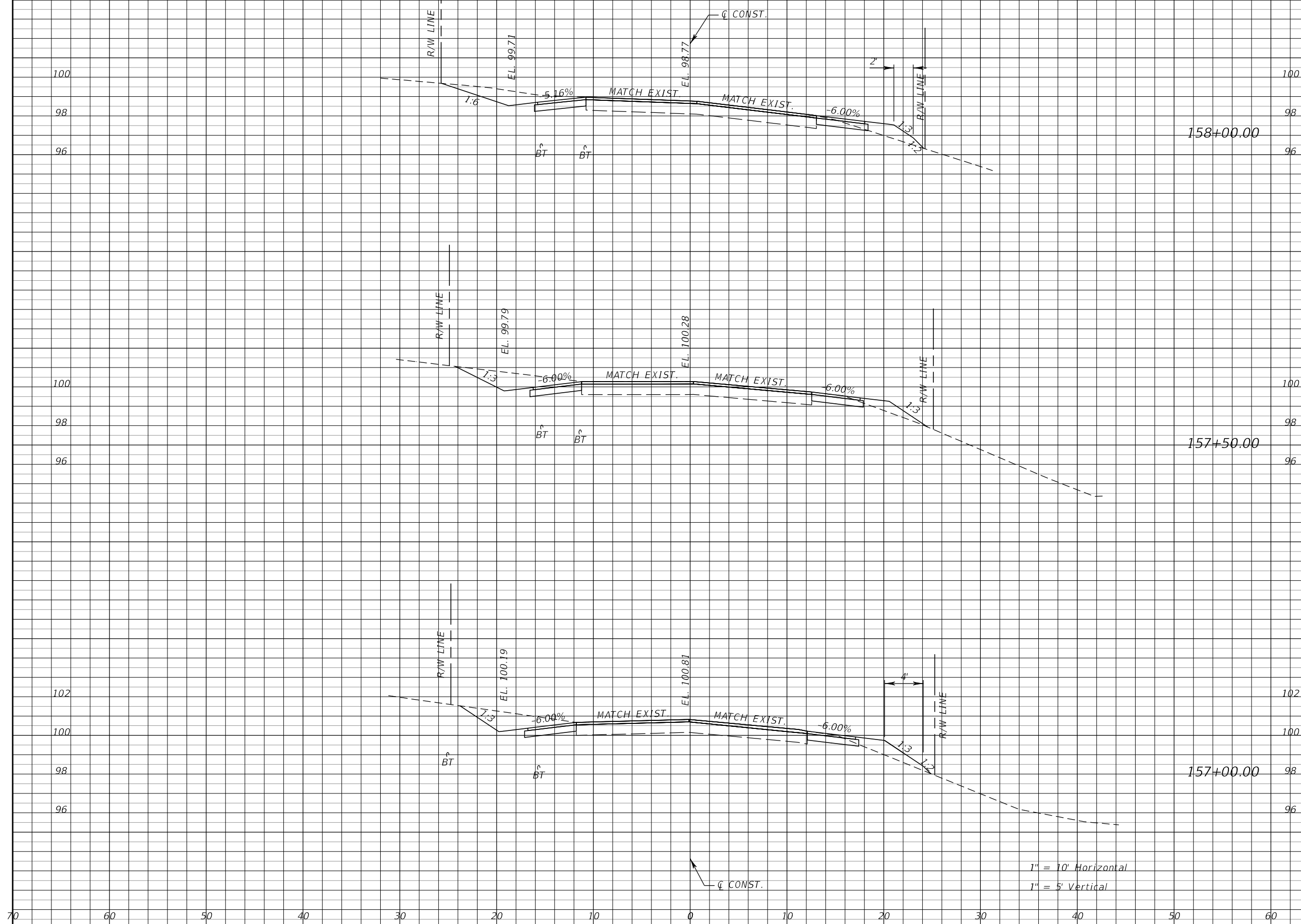
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LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
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CROSS SECTIONS

SHEET NO.
25

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
9.3			2.9		
	19				5
11.0			2.2		
	20				5
10.6			3.6		
	19				5

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

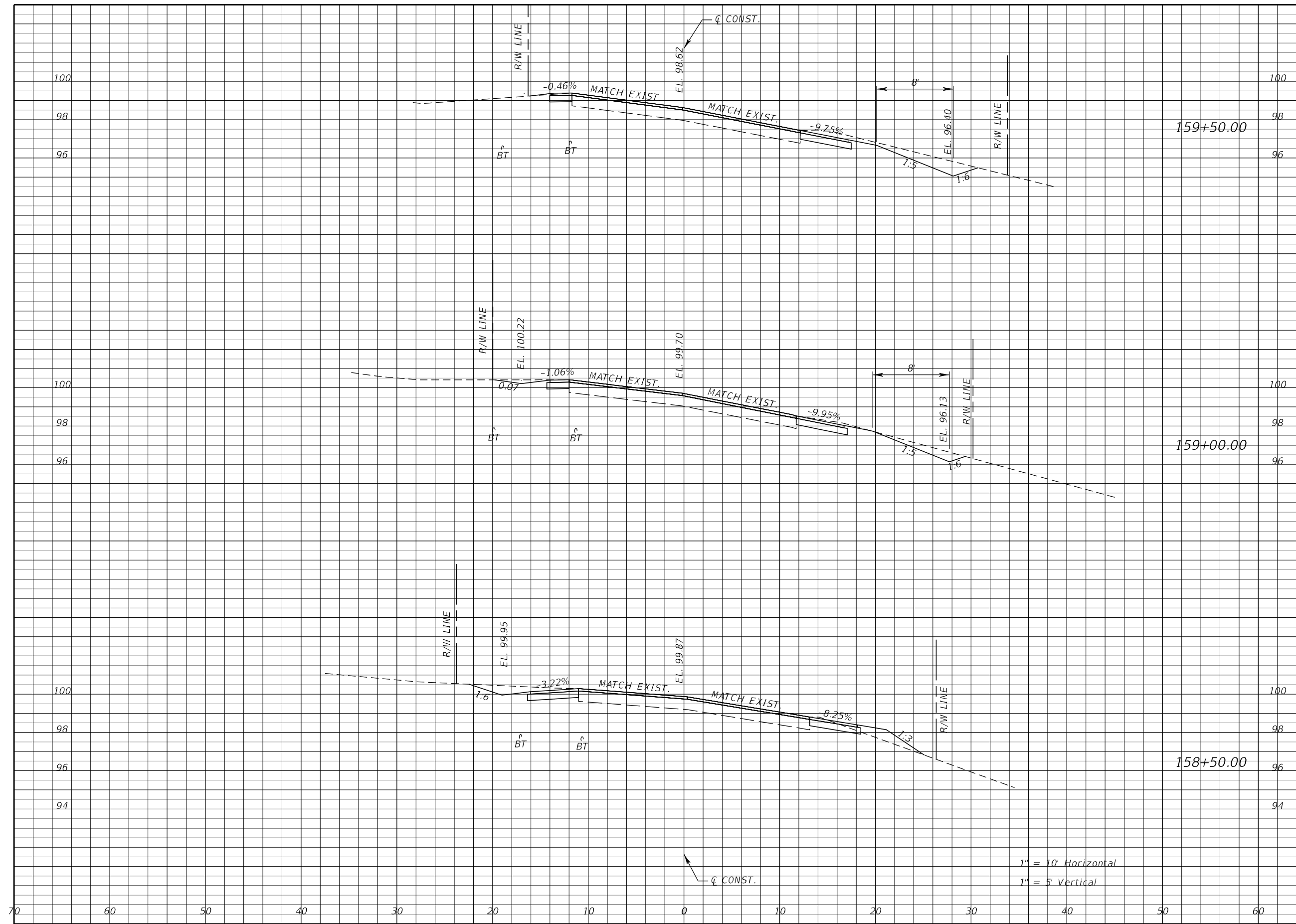
JOSEPH DWAYNE DARBONNE, P.E.
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CROSS SECTIONS

SHEET NO.
26

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



Regular		Exc.		Embankment	
A	V	A	V	A	V
9.4			0.1		
	15				0
6.9			0.0		
	13				2
6.8			2.5		
	15				5

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

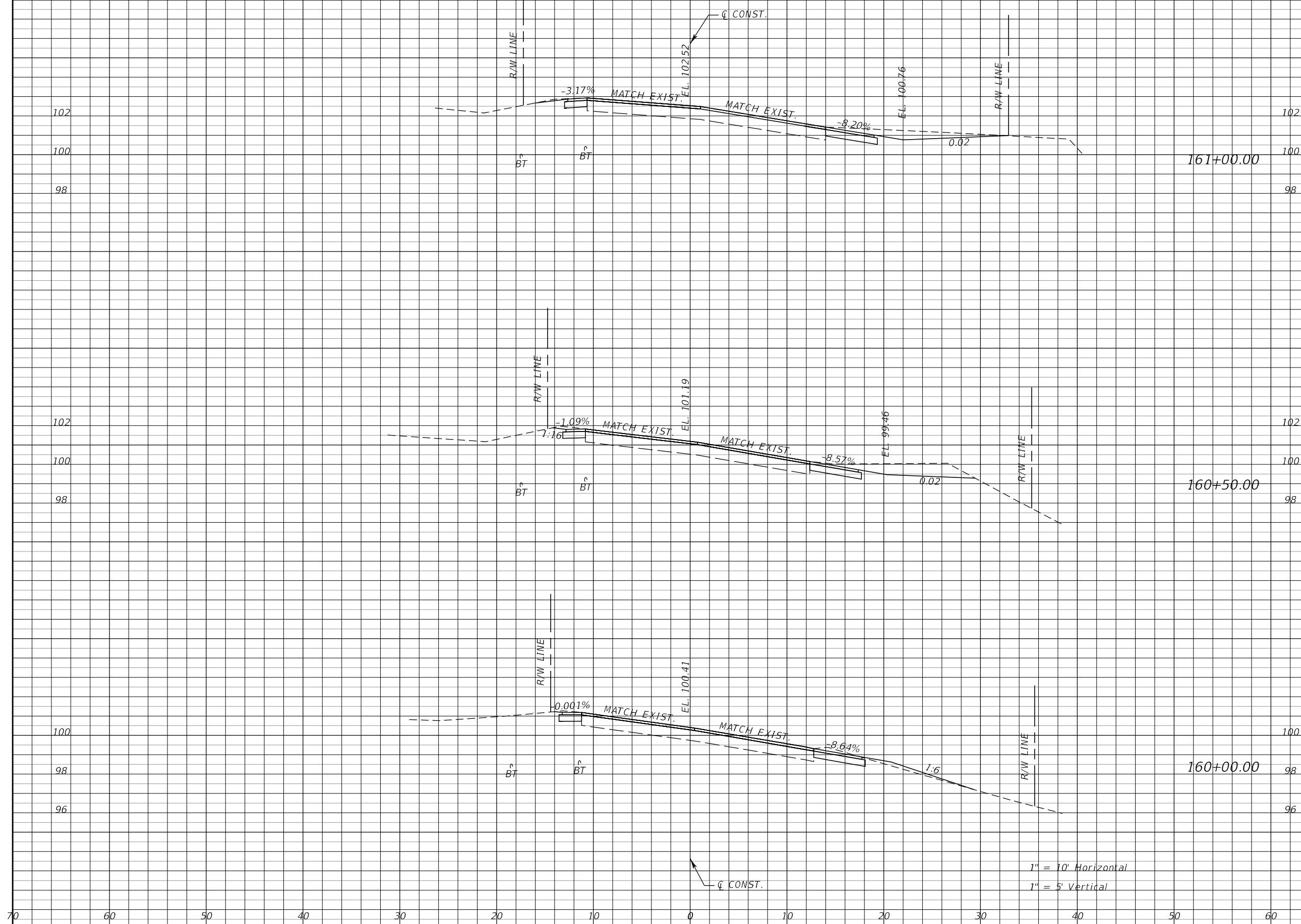
JOSEPH DWAYNE DARBONNE, P.E.
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CROSS SECTIONS

SHEET NO.
27

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Regular		Exc.		Embankment	
A	V	A	V	A	V
8.1			0.0		
	17				0
10.6			0.0		
	14				1
4.0			1.2		
	12				1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

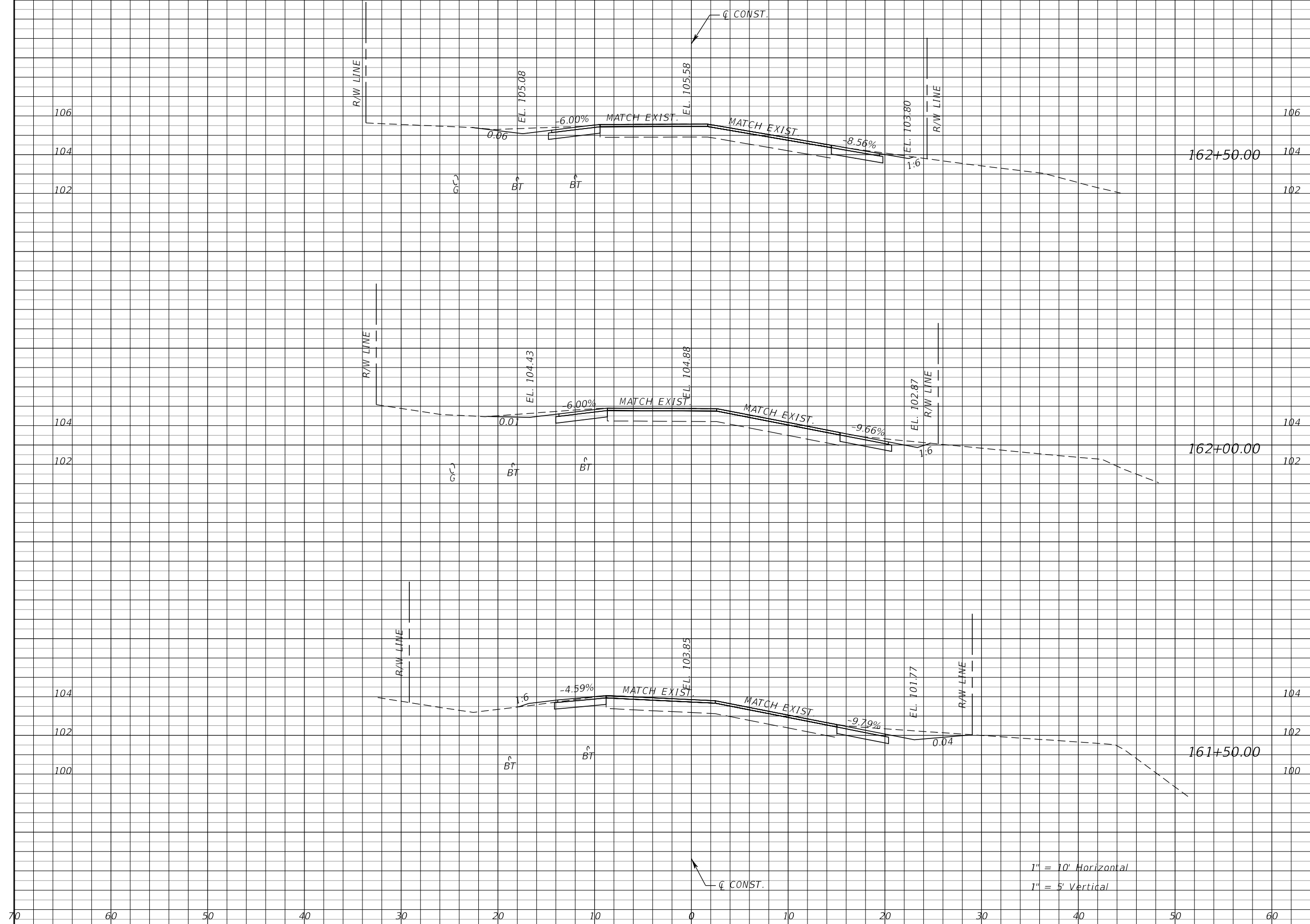
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CROSS SECTIONS

SHEET NO.
28

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



Station	Regular		Exc.		Embankment	
	A	V	A	V	A	V
162+50.00	6.5				0.0	
162+00.00	7.2	13			0.0	0
161+50.00	7.6	14			0.4	0
	15					0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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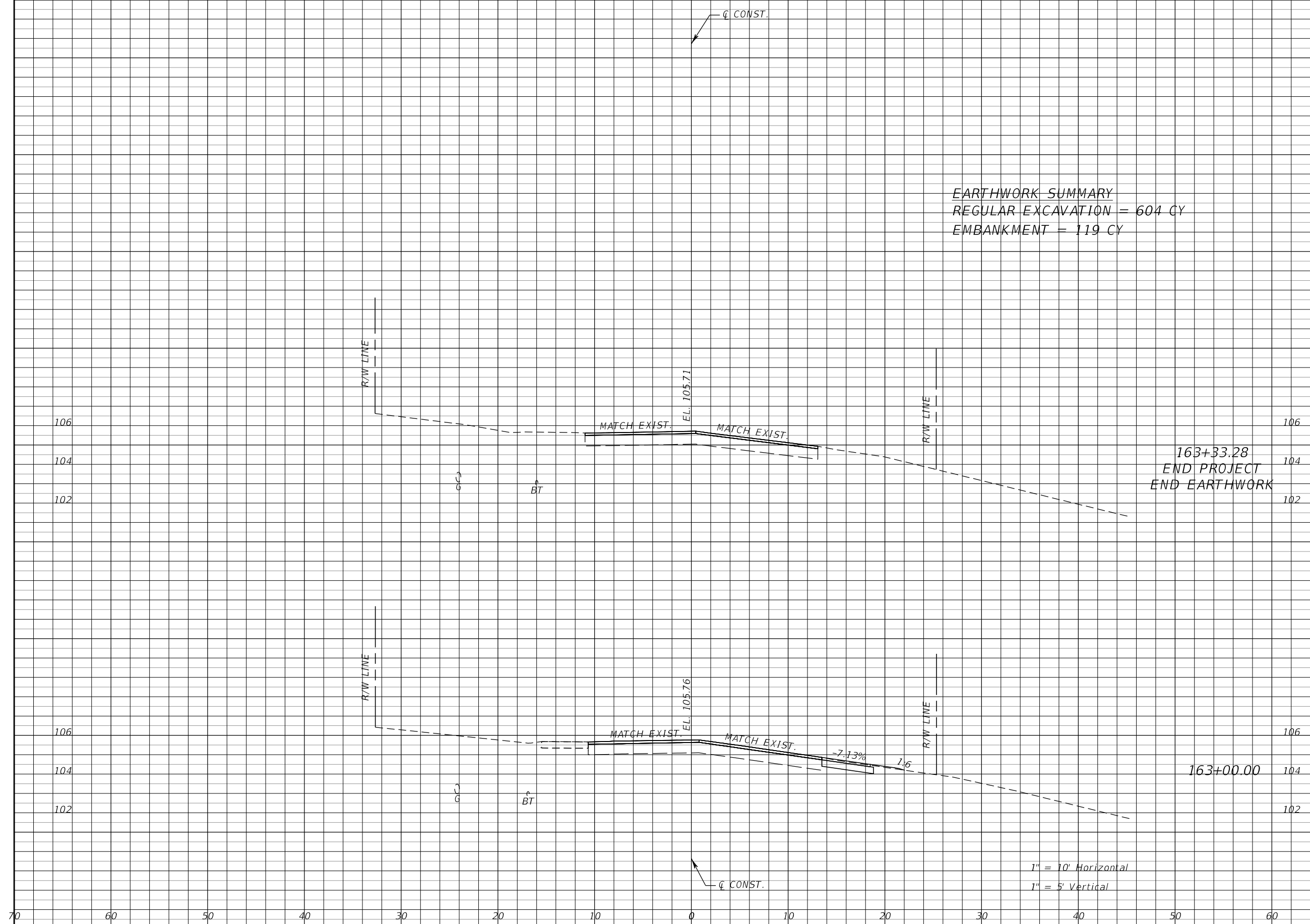
CROSS SECTIONS

SHEET NO.
29

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Regular		Exc.		Embankment	
A	V	A	V	A	V

EARTHWORK SUMMARY
 REGULAR EXCAVATION = 604 CY
 EMBANKMENT = 119 CY



163+33.28
 END PROJECT
 END EARTHWORK

163+00.00

0.0	0.0	0	0
2.2	0.2	8	0

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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LAKE COUNTY, FLORIDA
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CROSS SECTIONS

SHEET NO.
30

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

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, 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 SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION: THE PROJECT IS LOCATED IN CLERMONT, FLORIDA AND BEGINS NW. OF GLEASON WAY TO SOUTH OF HAMMOCK RIDGE ROAD.

1.A NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT CONSISTS OF WIDENING LAKE LOUISA ROAD TO INCLUDE 8 FEET SHOULDERS (5 FEET PAVED, 3 FEET UNPAVED) AND MILLING AND RESURFACING ALONG LAKE LOUISA ROAD FROM NW. OF GLEASON WAY TO SOUTH OF HAMMOCK RIDGE ROAD (APPROXIMATELY 2820 FEET IN LENGTH). THE PROJECT ALSO INCLUDES ADDITIONAL SIGNING AND PAVEMENT MARKINGS.

1.B SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND 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 AND EARTHWORK.
2. EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF ROADWAY, SUBGRADE, BASE AND PAVEMENT.

1.C AREA ESTIMATES:

TOTAL SITE AREA: 3.5 ACRES
TOTAL AREA TO BE DISTURBED: 3.5 ACRES

1.D RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.56
DURING: 0.70
AFTER: 0.70

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET(S).

1.E SITE MAP:

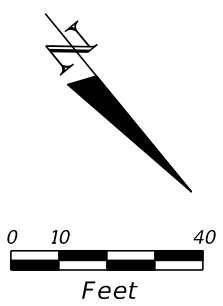
THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

* APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTION SHEETS AND THE PLAN SHEETS.

* SURFACE WATERS: THERE ARE NO SURFACE WATERS WITHIN THE PROJECT SITE.

* DISCHARGE POINTS TO SURFACE WATERS: THERE ARE NO SURFACE WATERS WITHIN THE PROJECT SITE.

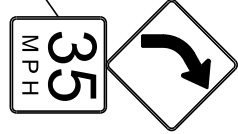
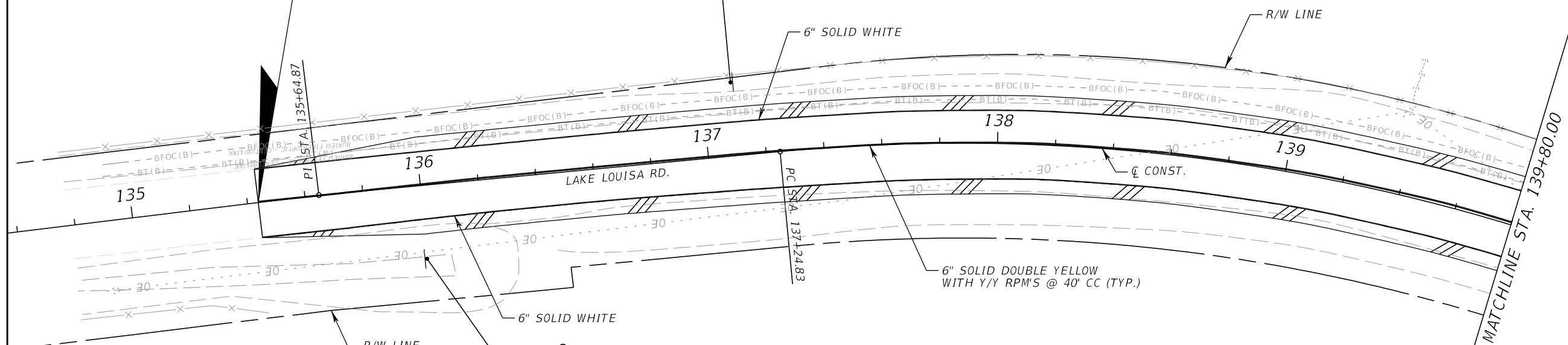
REVISIONS				JOSEPH DWAYNE DARBONNE, P.E. P.E. LICENSE NUMBER 39820 METRO CONSULTING GROUP, LLC 604 COURTLAND STREET, SUITE 140 ORLANDO, FLORIDA 32804 CERTIFICATE OF AUTHORIZATION 29325	LAKE LOUISA ROAD LAKE COUNTY, FLORIDA LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01	STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				31



W8-25
30" X 30"
STA 137+10.00
700-1-11
1 AS



BEGIN PROJECT
STA. 135+43.76
BEGIN PAVEMENT MARKINGS
MATCH EXISTING



W01-02R
30" X 30"
W13-01P
18" X 18"
STA 136+00.00
700-1-11
1 AS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

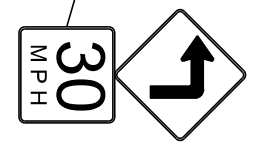
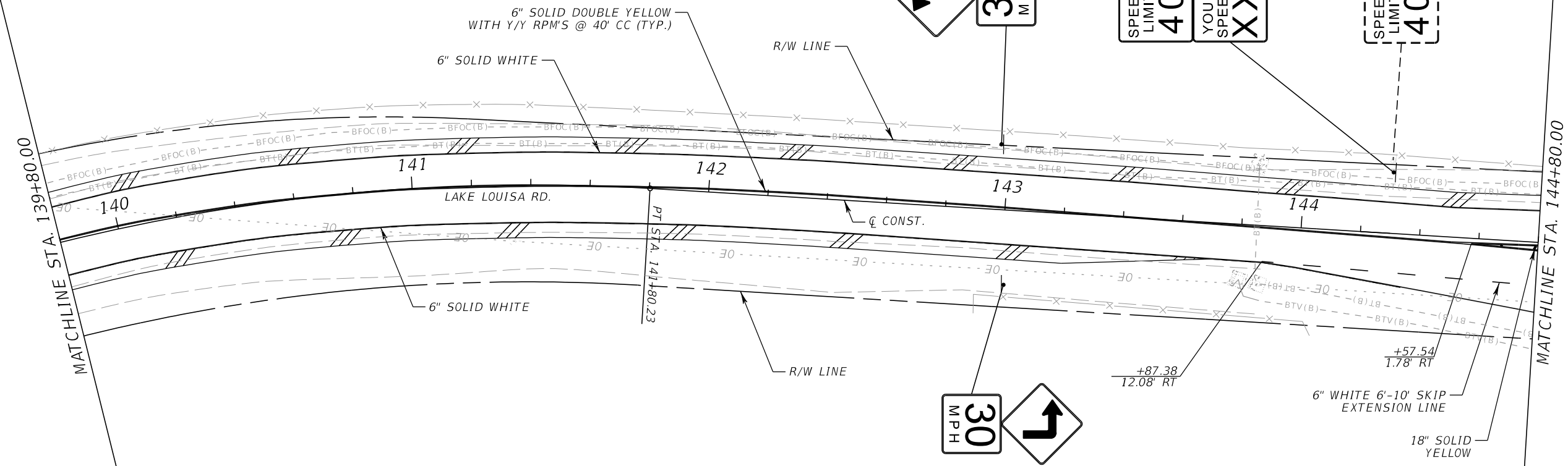
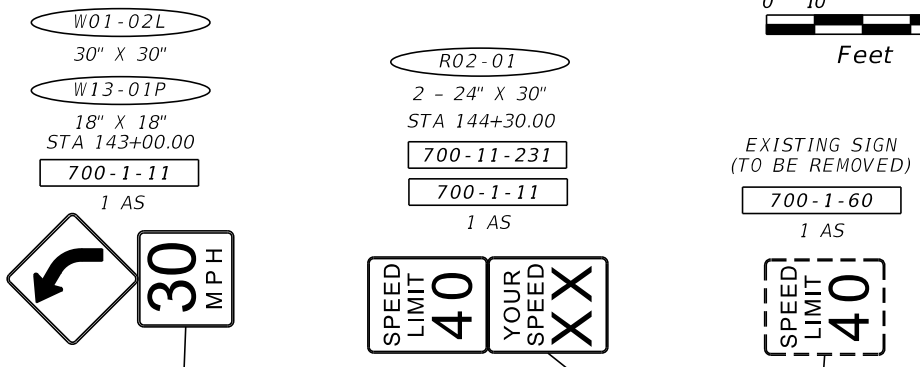
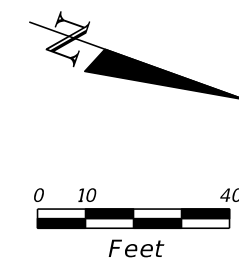
JOSEPH DWAYNE DARBONNE, P.E.
P.E. LICENSE NUMBER 39820
METRO CONSULTING GROUP, LLC
604 COURTLAND STREET, SUITE 140
ORLANDO, FLORIDA 32804
CERTIFICATE OF AUTHORIZATION 29325

LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

**SIGNING AND PAVEMENT
MARKING PLAN**

SHEET NO.
S-1

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



W01-01L
30" X 30"
W13-01P
18" X 18"
STA 143+00.00
700-1-11
1 AS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

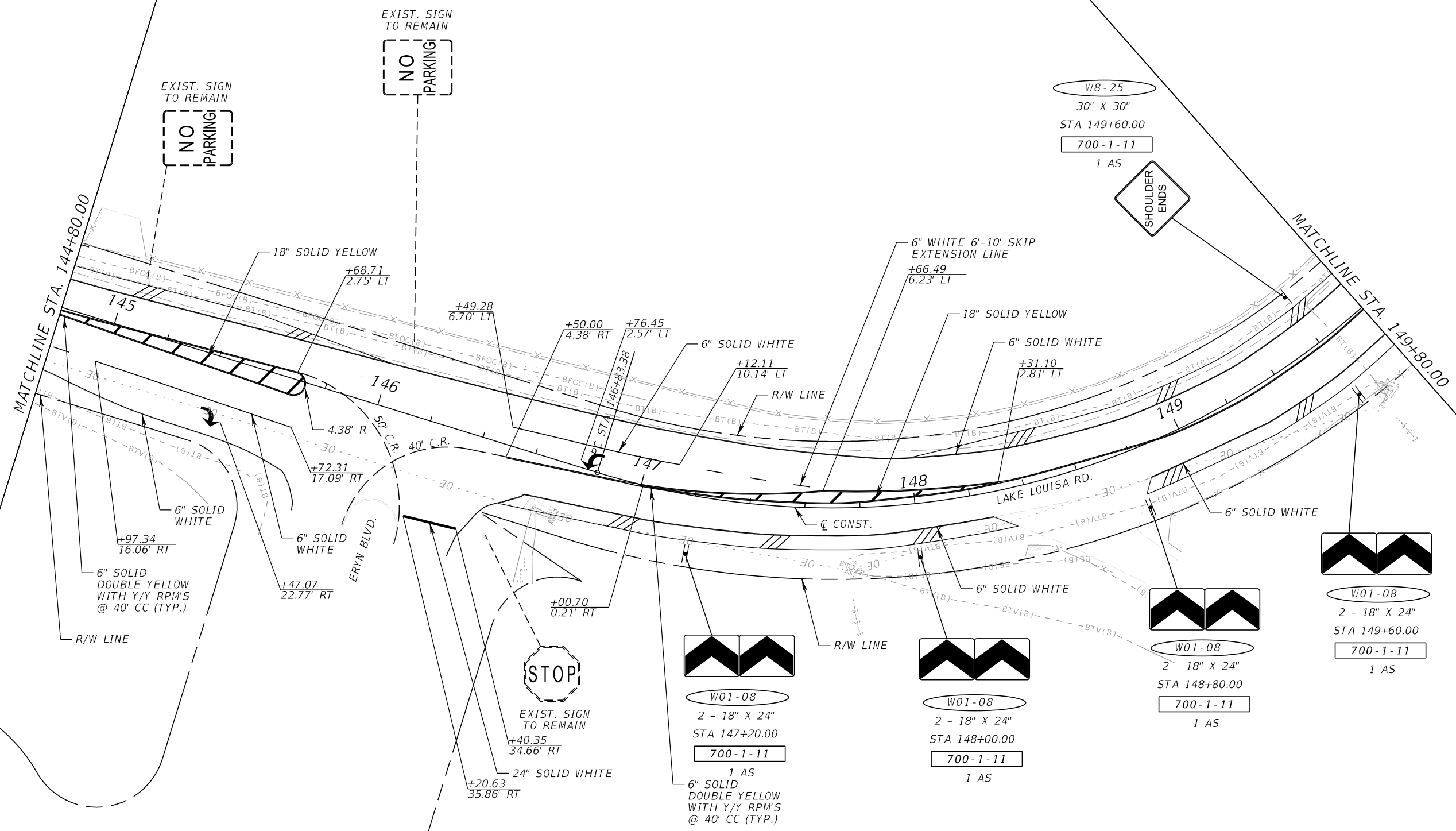
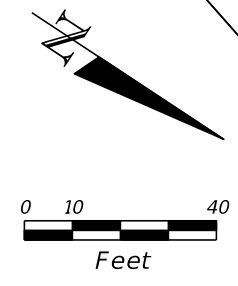
JOSEPH DWAYNE DARBONNE, P.E.
P.E. LICENSE NUMBER 39820
METRO CONSULTING GROUP, LLC
604 COURTLAND STREET, SUITE 140
ORLANDO, FLORIDA 32804
CERTIFICATE OF AUTHORIZATION 29325

LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO.
S-2

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

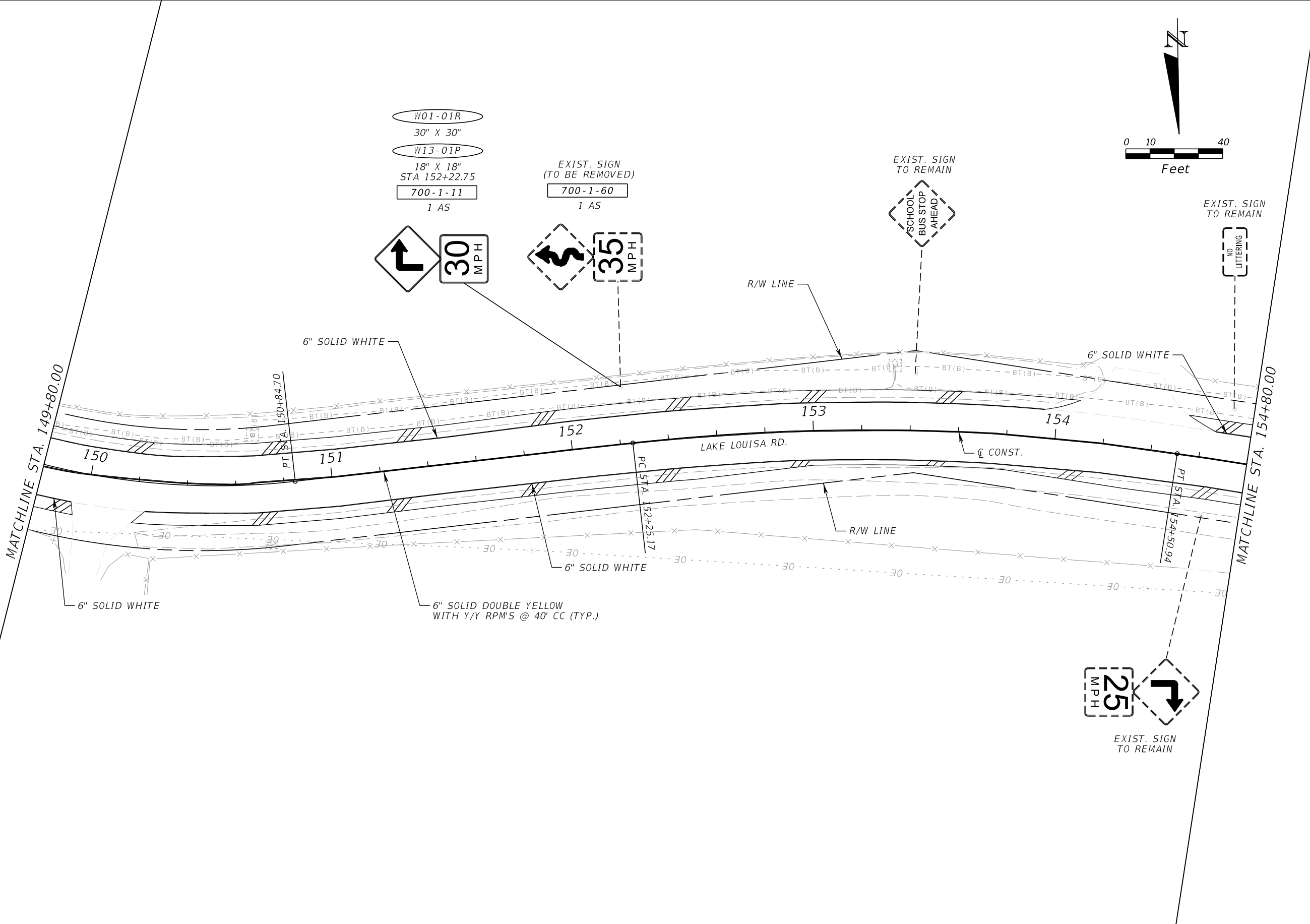
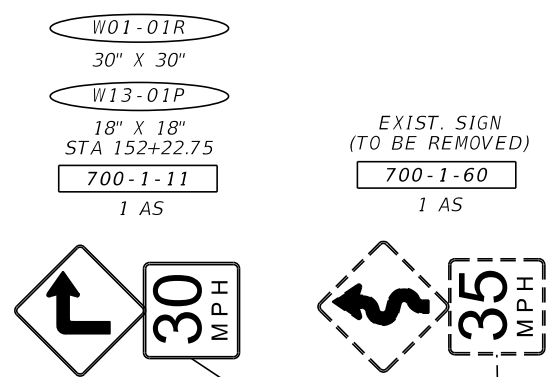
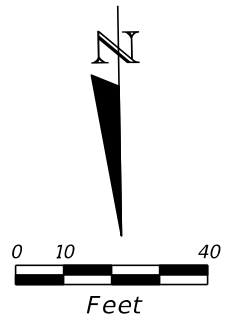
JOSEPH DWAYNE DARBONNE, P.E.
 P.E. LICENSE NUMBER 39820
 METRO CONSULTING GROUP, LLC
 604 COURTLAND STREET, SUITE 140
 ORLANDO, FLORIDA 32804
 CERTIFICATE OF AUTHORIZATION 29325

LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO.
 S-3

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

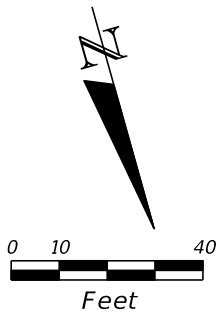
JOSEPH DWAYNE DARBONNE, P.E.
 P.E. LICENSE NUMBER 39820
 METRO CONSULTING GROUP, LLC
 604 COURTLAND STREET, SUITE 140
 ORLANDO, FLORIDA 32804
 CERTIFICATE OF AUTHORIZATION 29325

LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

SIGNING AND PAVEMENT
MARKING PLAN

SHEET NO.
 S-4

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



42" X 24"
 STA 155+50.78
 700-1-50
 1 AS
 EXIST. SIGN
 TO BE RESET



18" X 24"
 STA 156+93.68
 700-1-50
 1 AS
 EXIST. SIGN
 TO BE RESET



6" SOLID DOUBLE YELLOW
 WITH Y/Y RPM'S @ 40' CC (TYP.)

6" SOLID WHITE

R/W LINE

LAKE LOUISA RD.

6" SOLID WHITE

Q CONST.

TS STA. 157+01.79

SC STA. 159+51.79

MATCHLINE STA. 154+80.00

MATCHLINE STA. 159+80.00

155

156

157

158

159

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

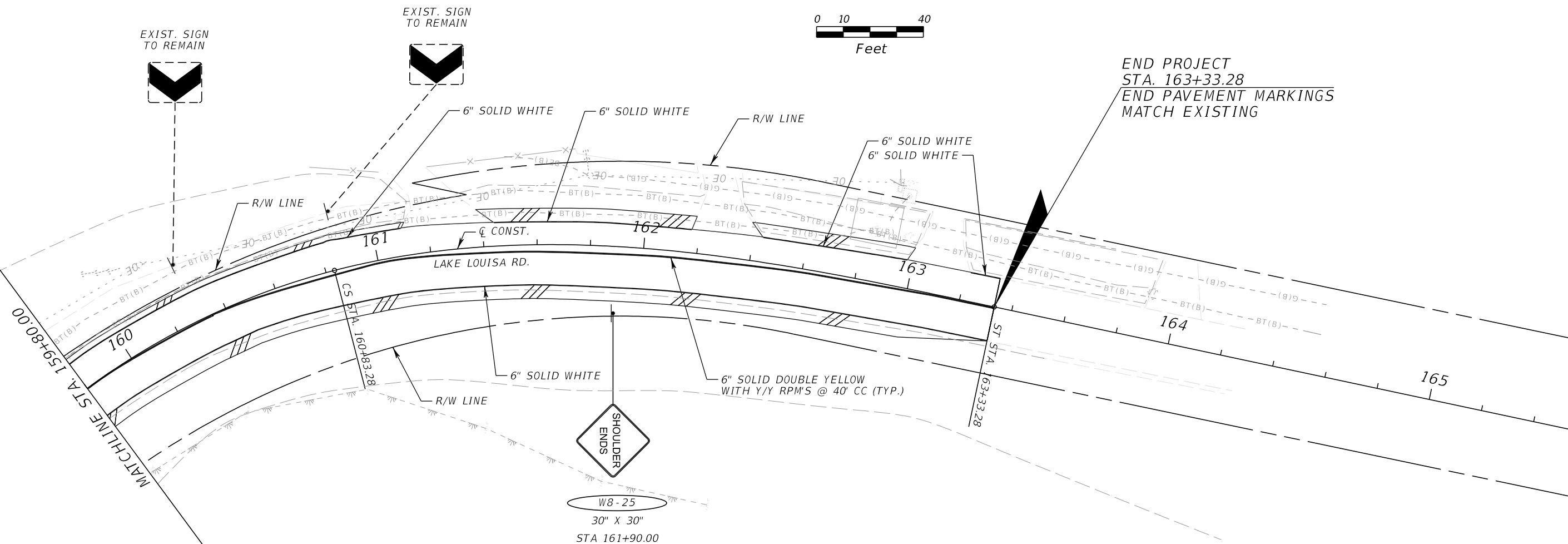
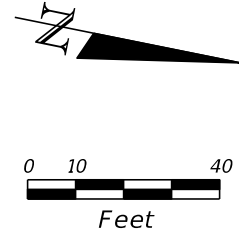
JOSEPH DWAYNE DARBONNE, P.E.
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 METRO CONSULTING GROUP, LLC
 604 COURTLAND STREET, SUITE 140
 ORLANDO, FLORIDA 32804
 CERTIFICATE OF AUTHORIZATION 29325

LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

SIGNING AND PAVEMENT
MARKING PLAN

SHEET NO.
 S-5

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



END PROJECT
 STA. 163+33.28
 END PAVEMENT MARKINGS
 MATCH EXISTING

SHOULDER
 ENDS

W8-25
 30" X 30"
 STA 161+90.00

700-1-11
 1 AS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOSEPH DWAYNE DARBONNE, P.E.
 P.E. LICENSE NUMBER 39820
 METRO CONSULTING GROUP, LLC
 604 COURTLAND STREET, SUITE 140
 ORLANDO, FLORIDA 32804
 CERTIFICATE OF AUTHORIZATION 29325

LAKE LOUISA ROAD
LAKE COUNTY, FLORIDA
 LAKE COUNTY ID: 17-0024 FDOT FPID: 439702-1-58-01

**SIGNING AND PAVEMENT
 MARKING PLAN**

SHEET
 NO.
 S-6

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