



APPENDICES

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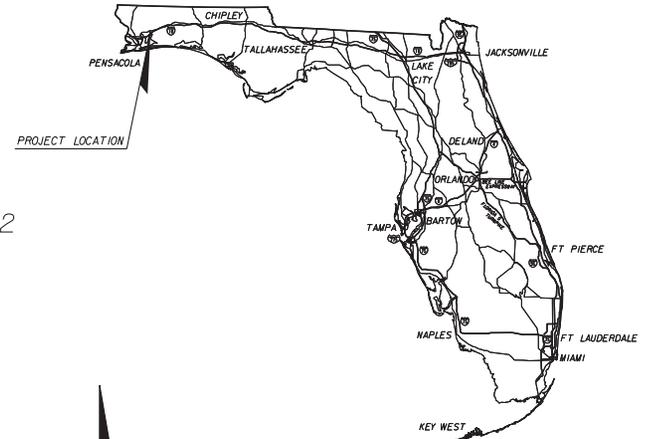
*C. Concept Plans*

**STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION**

**CONCEPT PLANS**

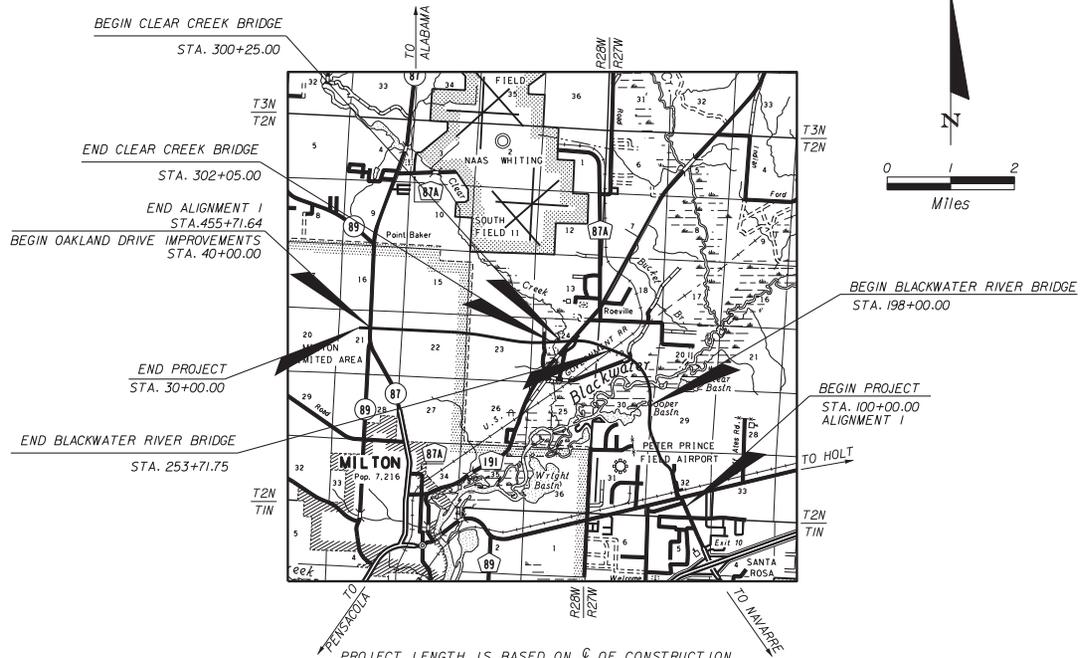
FINANCIAL PROJECT ID 416748-3-22-01,  
416748-3-22-02, 416748-4-22-01, 416748-4-22-02

SANTA ROSA COUNTY  
STATE ROAD NO. 87 CONNECTOR  
ALIGNMENT I



**INDEX OF CONCEPT PLANS**

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-6	TYPICAL SECTION SHEETS
7-8	PROJECT LAYOUT
9-40	PLAN SHEETS
41-47	PROFILE SHEETS
48-51	TRANSITION LAYOUTS



GOVERNING STANDARDS AND SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION,  
DESIGN STANDARDS DATED 2012/2013,  
AND STANDARD SPECIFICATIONS FOR ROAD AND  
BRIDGE CONSTRUCTION DATED 2004,  
AS AMENDED BY CONTRACT DOCUMENTS.

PLANS PREPARED BY:  
METRIC ENGINEERING, INC.  
2616 JENKS AVENUE  
PANAMA CITY, FLORIDA 32405  
PHONE: (850) 872-8044  
FAX: (850)-872-8704  
CONTRACT NO. C-8073  
VENDER NO. F-59-1685550  
CERTIFICATE OF AUTHORIZATION NO. EB-0002294

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

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	29,819.89	5.65
BRIDGES	5,751.75	1.09
NET LENGTH OF PROJECT	35,571.64	6.74
EXCEPTIONS	NA	NA
GROSS LENGTH OF PROJECT	35,571.64	6.74

KEY SHEET REVISIONS	
DATE	DESCRIPTION

ROADWAY PLANS  
ENGINEER OF RECORD: JESSICA BLOOMFIELD, P.E.  
P.E. NO.: 66427

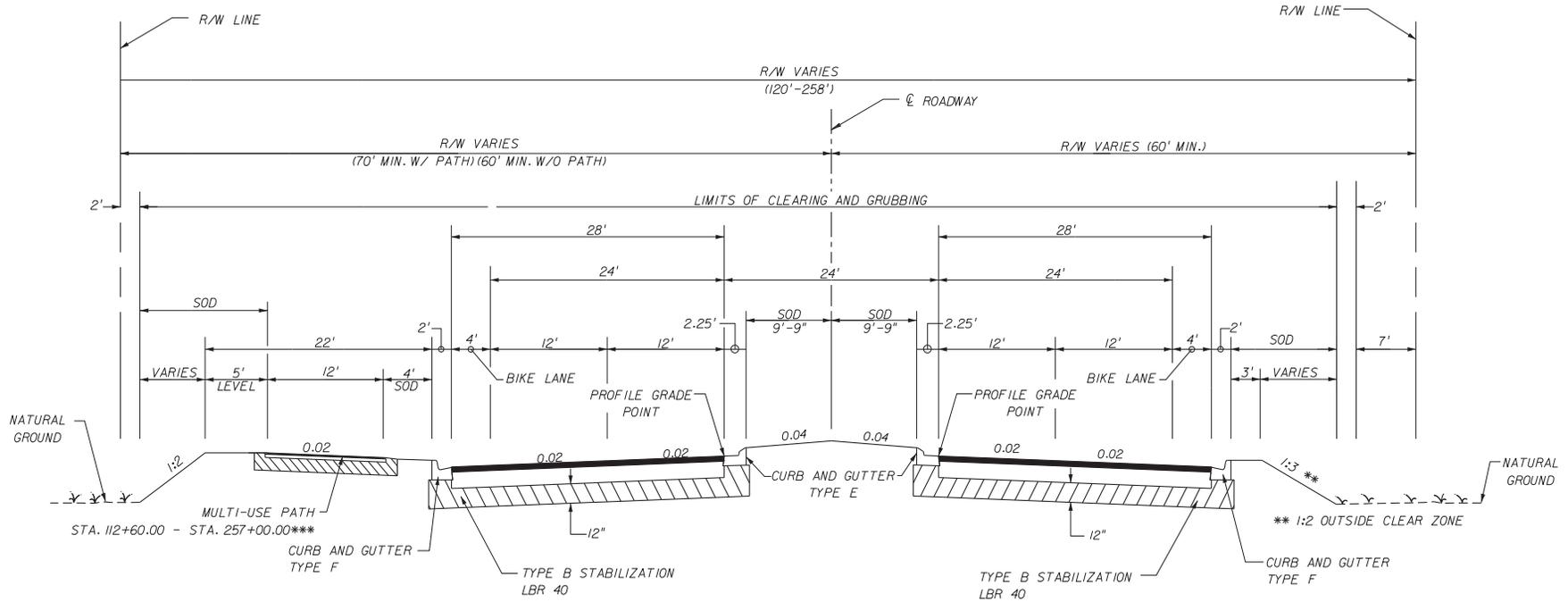
FISCAL YEAR	SHEET NO.
	1

FDOT PROJECT MANAGER: PEGGY KELLEY SR 87 FROM US 90 @ SR 87S TO SR 87N

# URBAN TYPICAL SECTION PROPOSED BUILDOUT NTS.

BUILDOUT:  
STA. 100+00 - STA. 253+71.75 (INCLUDES BLACKWATER RIVER BRIDGE)  
STA. 441+89 - STA. 455+72

INTERIM:  
STA. 100+00 - STA. 155+00  
STA. 442+50 - STA. 455+72



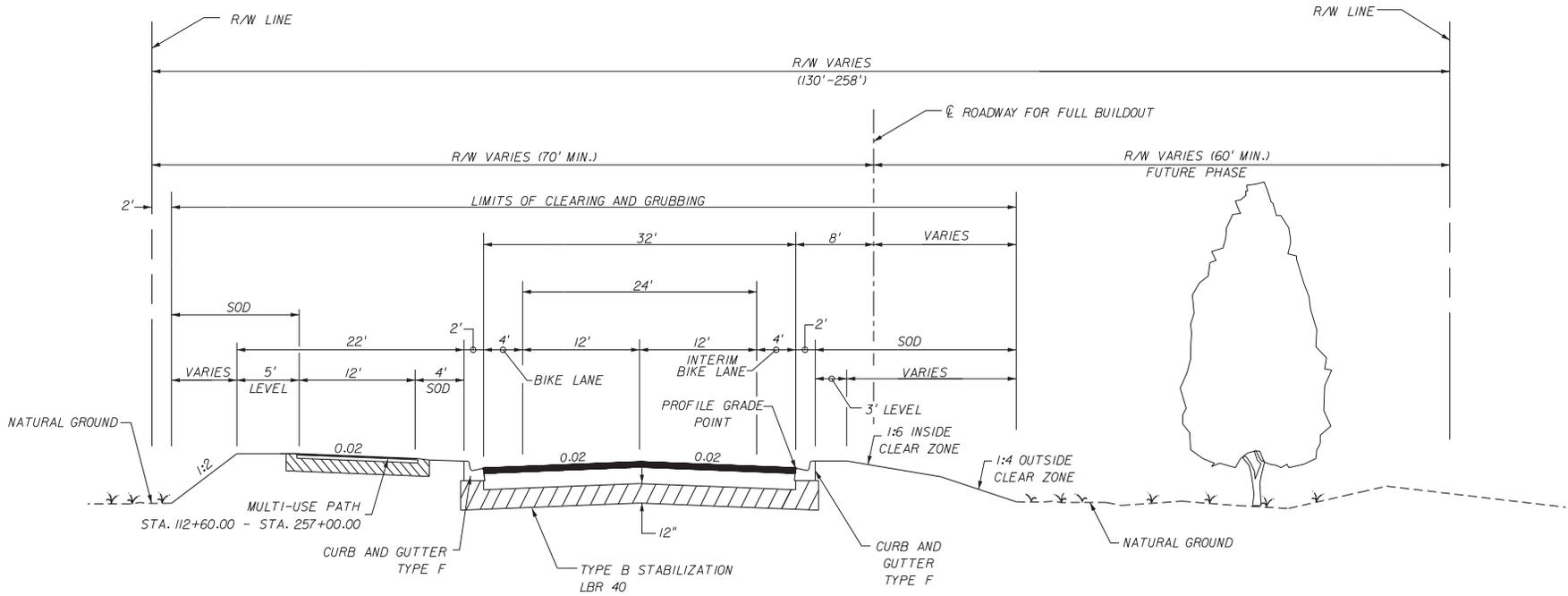
**DESIGN SPEED = 45 MPH**  
**CLEAR ZONE = 24'**

\*FOR AREAS WITHOUT THE MULTI-USE PATH,  
THE LEFT SIDE WILL MIRROR THE RIGHT SIDE

REVISIONS		DATE	DESCRIPTION	METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TYPICAL SECTION SHEET ALIGNMENT 1</b>	SHEET NO.  2
DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		

# URBAN TYPICAL SECTION PROPOSED INTERIM NTS.

INTERIM: STA. 155+00 - STA. 253+71.75 (INCLUDES BLACKWATER RIVER BRIDGE)

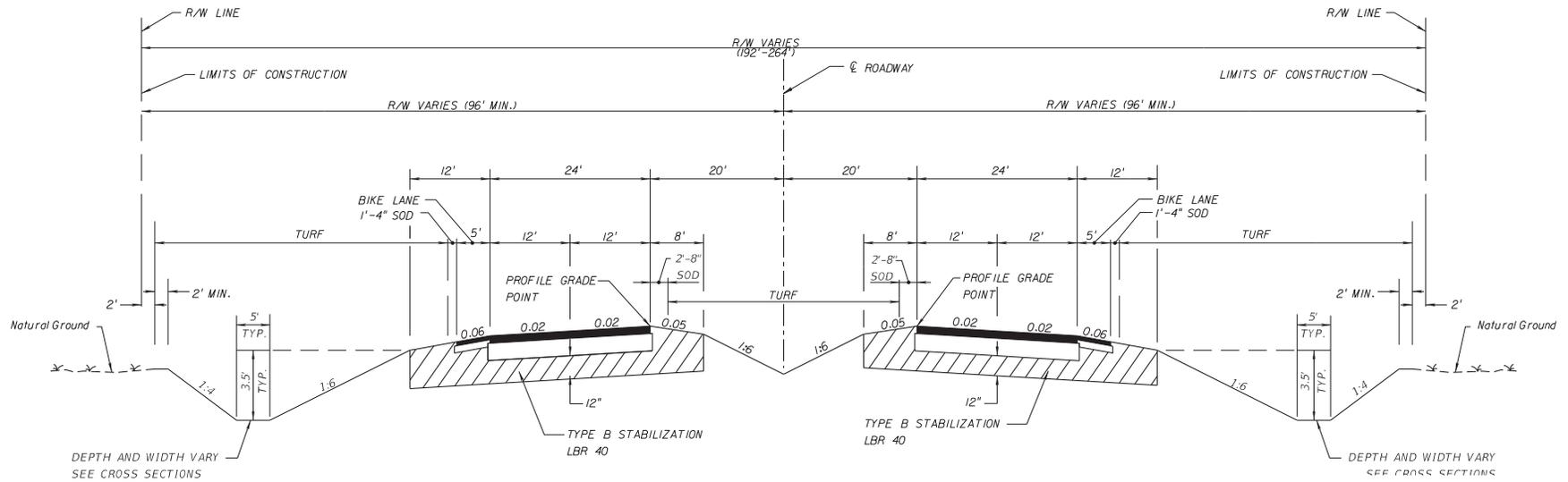


\*FOR AREAS WITHOUT THE MULTI-USE PATH,  
THE LEFT SIDE WILL MIRROR THE RIGHT SIDE

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TYPICAL SECTION SHEET</b> <b>ALIGNMENT 1</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		3
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		

# RURAL TYPICAL SECTION PROPOSED BUILDOUT NTS.

BUILDOUT: STA. 253+71.75 - STA. 442+50 (INCLUDES CLEAR CREEK BRIDGE)

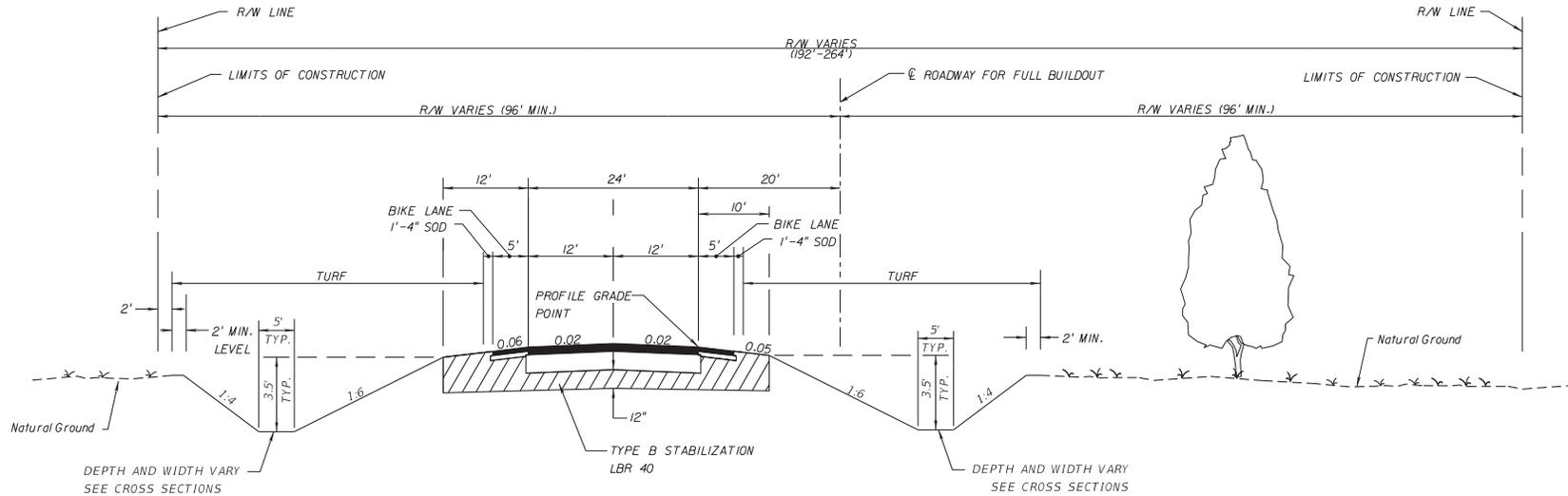


DESIGN SPEED = 65 MPH  
CLEAR ZONE = 36'

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TYPICAL SECTION SHEET ALIGNMENT 1</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		4
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		

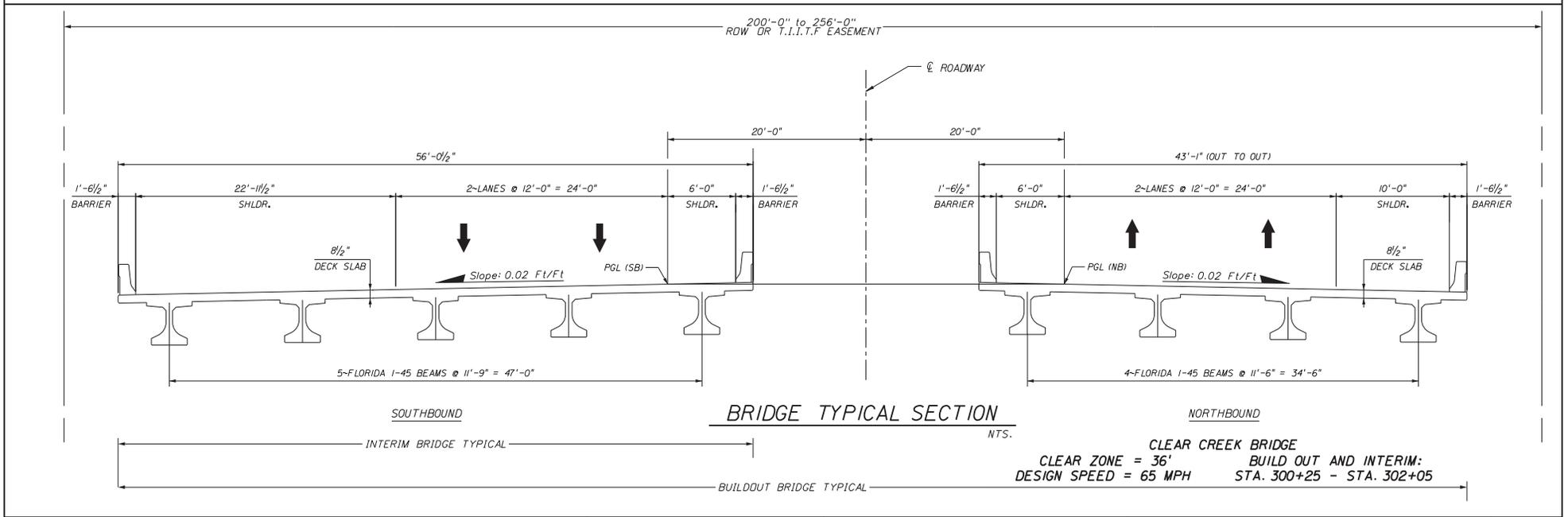
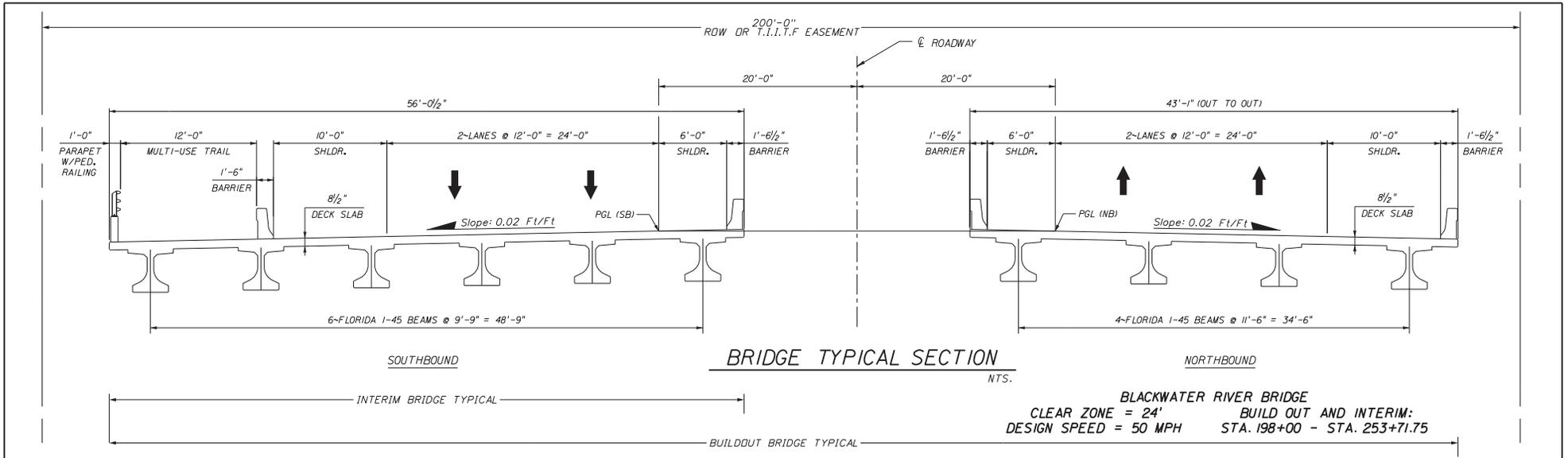
# RURAL TYPICAL SECTION PROPOSED INTERIM NTS.

INTERIM: STA. 253+71.75 - STA. 442+50 (INCLUDES CLEAR CREEK BRIDGE)

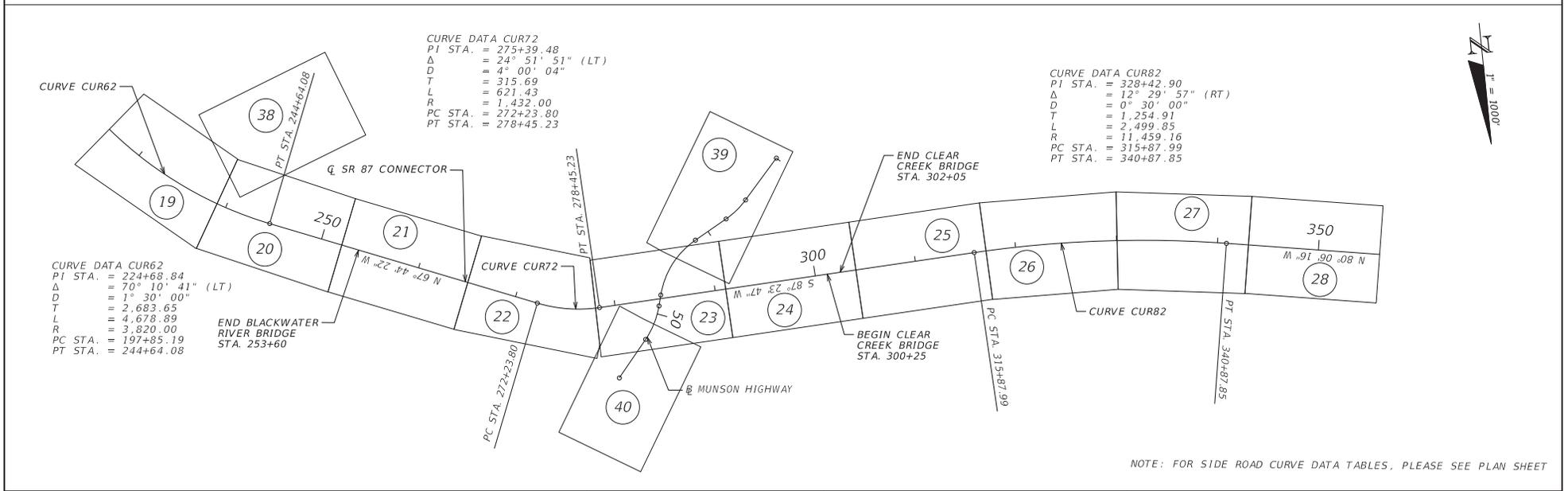
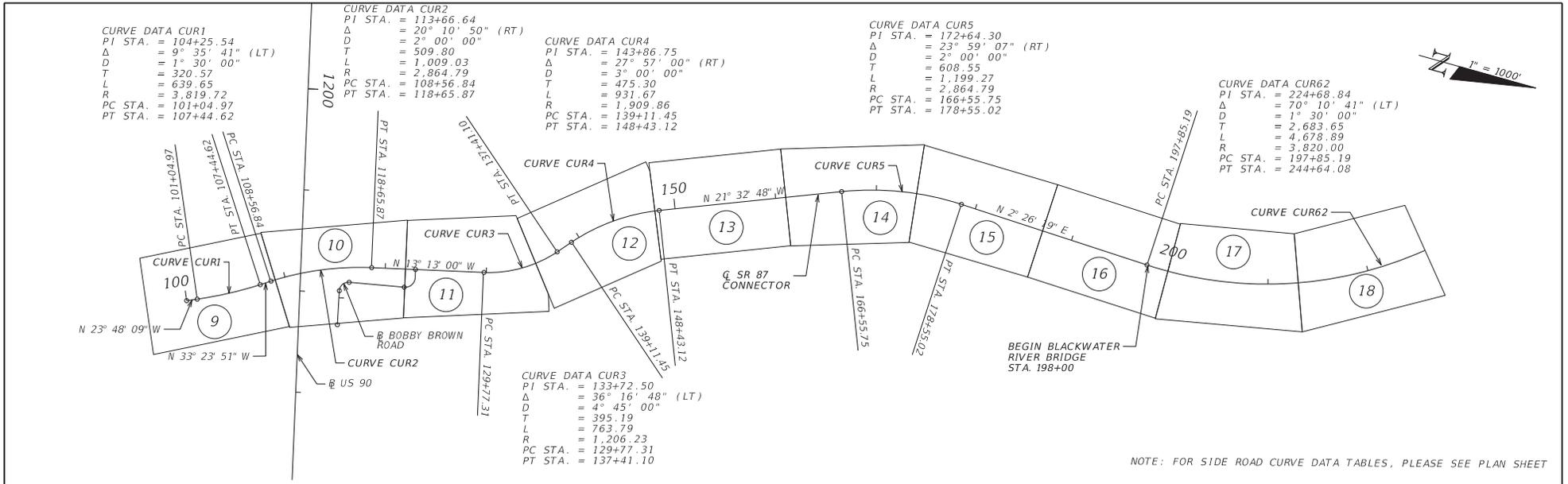


DESIGN SPEED = 65 MPH  
CLEAR ZONE = 36'

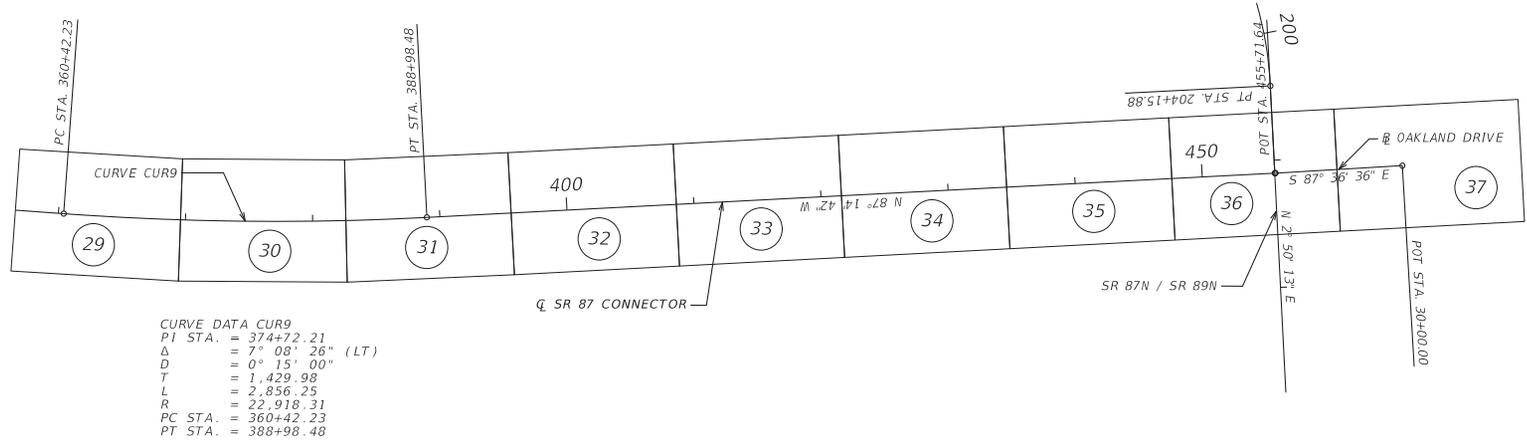
REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION SHEET ALIGNMENT 1	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		5
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TYPICAL SECTION SHEET</b> <b>ALIGNMENT 1</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		6
					SR 87	SANTA ROSA	416749-3-22-01, ETC.		



REVISIONS		REVISIONS		METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT ALIGNMENT 1	SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



CURVE DATA CUR9  
 PI STA. = 374+72.21  
 $\Delta$  = 7° 08' 26" (LT)  
 D = 0° 15' 00"  
 T = 1,429.98  
 L = 2,856.25  
 R = 22,918.31  
 PC STA. = 360+42.23  
 PT STA. = 388+98.48

NOTE: FOR SIDE ROAD CURVE DATA TABLES, PLEASE SEE PLAN SHEET

REVISIONS		METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT ALIGNMENT 1	SHEET NO. 8
DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			SR 87	SANTA ROSA	416748-3-22-01, ETC.		



BEGIN PROJECT ALIGNMENT 1  
STA. 100+00.00

CURVE DATA CUR1  
 PI STA. = 104+25.54  
 $\Delta$  = 9° 35' 41" (LT)  
 D = 1° 30' 00"  
 T = 320.57  
 L = 639.65  
 R = 3,819.72  
 PC STA. = 101+04.97  
 PT STA. = 107+44.62

LEGEND  
 EXISTING RIGHT-OF-WAY  
 PROPOSED RIGHT-OF-WAY  
 EXISTING PROPERTY LINES  
 \*APPLIES TO ALL PLAN SHEETS

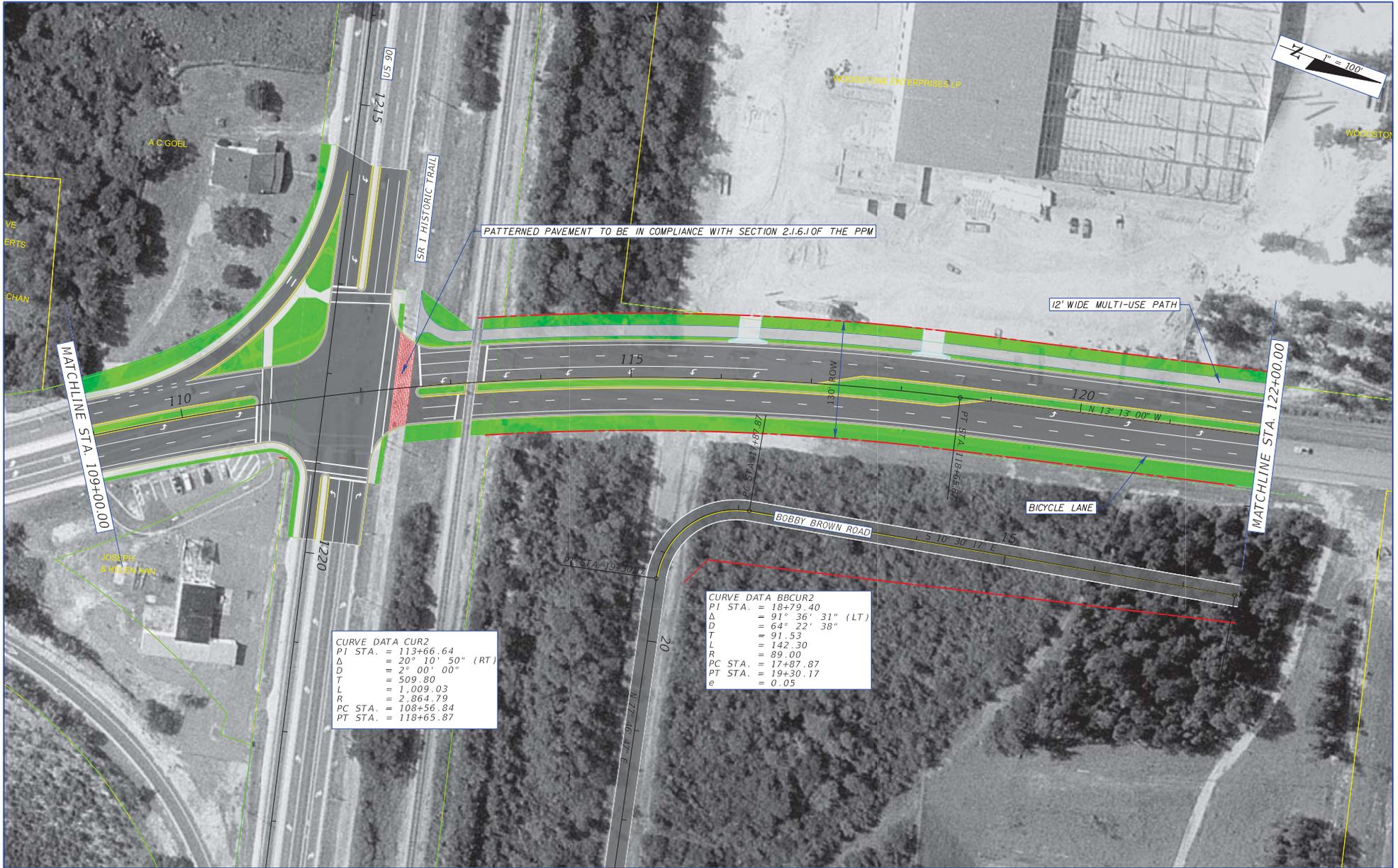
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

PLAN SHEET  
ALIGNMENT 1

SHEET NO.  
9



PATTERNED PAVEMENT TO BE IN COMPLIANCE WITH SECTION 2.1.6.1 OF THE PPM

12' WIDE MULTI-USE PATH

BICYCLE LANE

**CURVE DATA CUR2**  
 PI STA. = 113+66.64  
 $\Delta$  = 20° 10' 50" (RT)  
 D = 2° 00' 00"  
 T = 509.80  
 L = 1,009.03  
 R = 2,864.79  
 PC STA. = 108+56.84  
 PT STA. = 118+65.87

**CURVE DATA BBCUR2**  
 PI STA. = 18+79.40  
 $\Delta$  = 91° 36' 31" (LT)  
 D = 64° 22' 38"  
 T = 91.53  
 L = 142.30  
 R = 89.00  
 PC STA. = 17+07.87  
 PT STA. = 19+30.17  
 e = 0.05

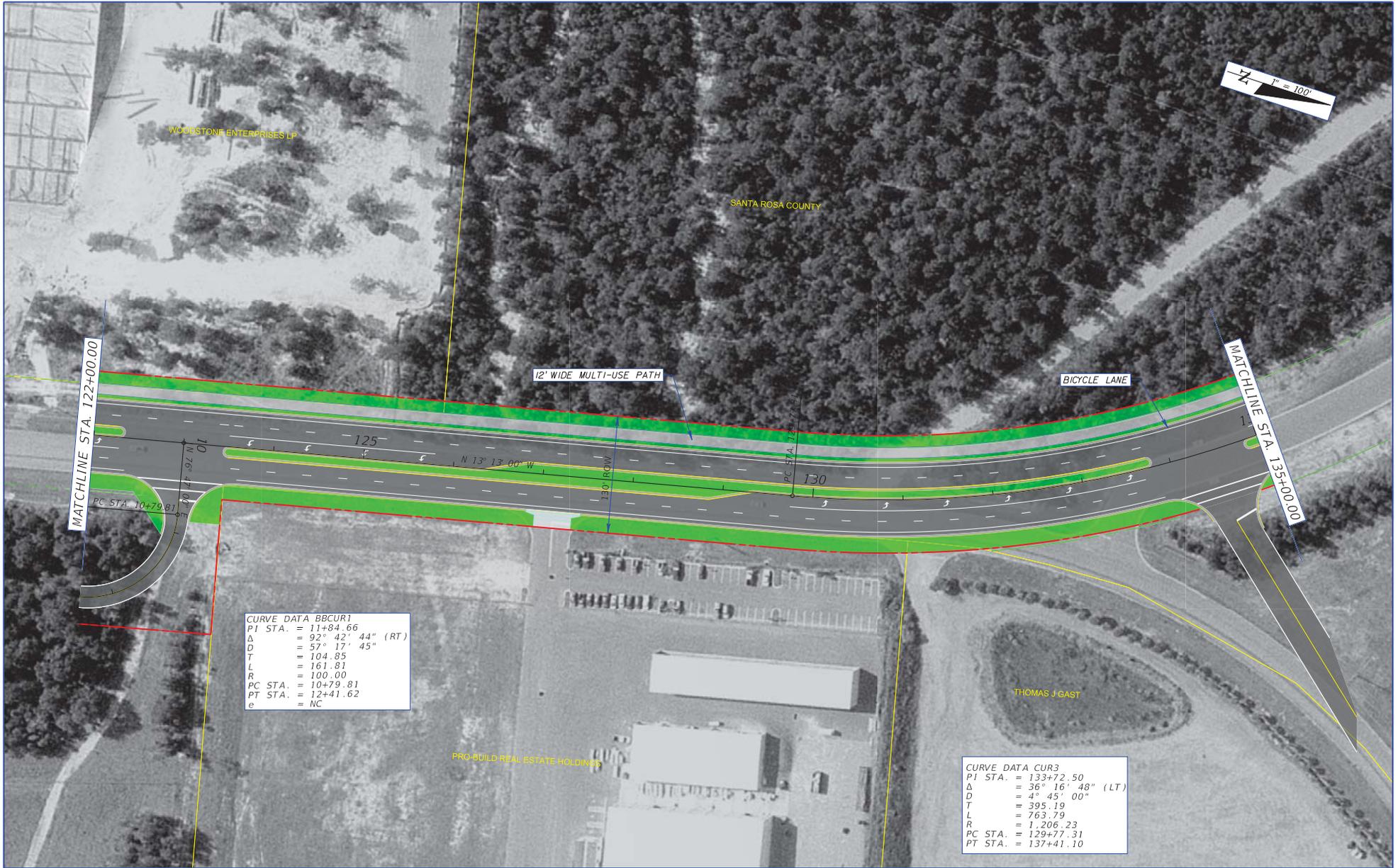
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.
10



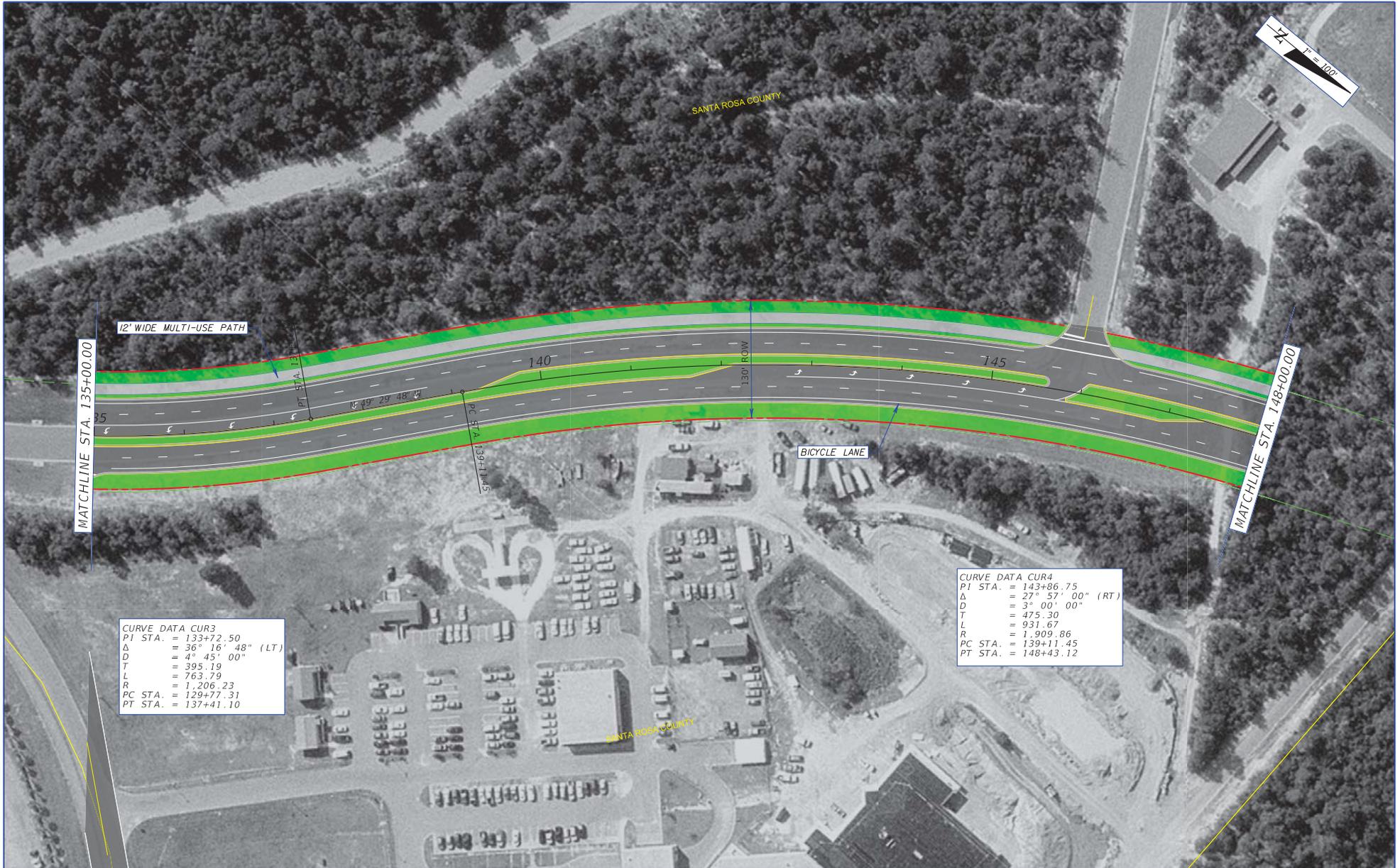
**CURVE DATA BBCUR1**

PI STA.	= 11+84.66
Δ	= 92° 42' 44" (RT)
D	= 57' 17' 45"
T	= 104.85
L	= 161.81
R	= 100.00
PC STA.	= 10+79.81
PT STA.	= 12+41.62
e	= NC

**CURVE DATA CUR3**

PI STA.	= 133+72.50
Δ	= 36° 16' 48" (LT)
D	= 4° 45' 00"
T	= 395.19
L	= 763.79
R	= 1,206.23
PC STA.	= 129+77.31
PT STA.	= 137+41.10

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO.  11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			

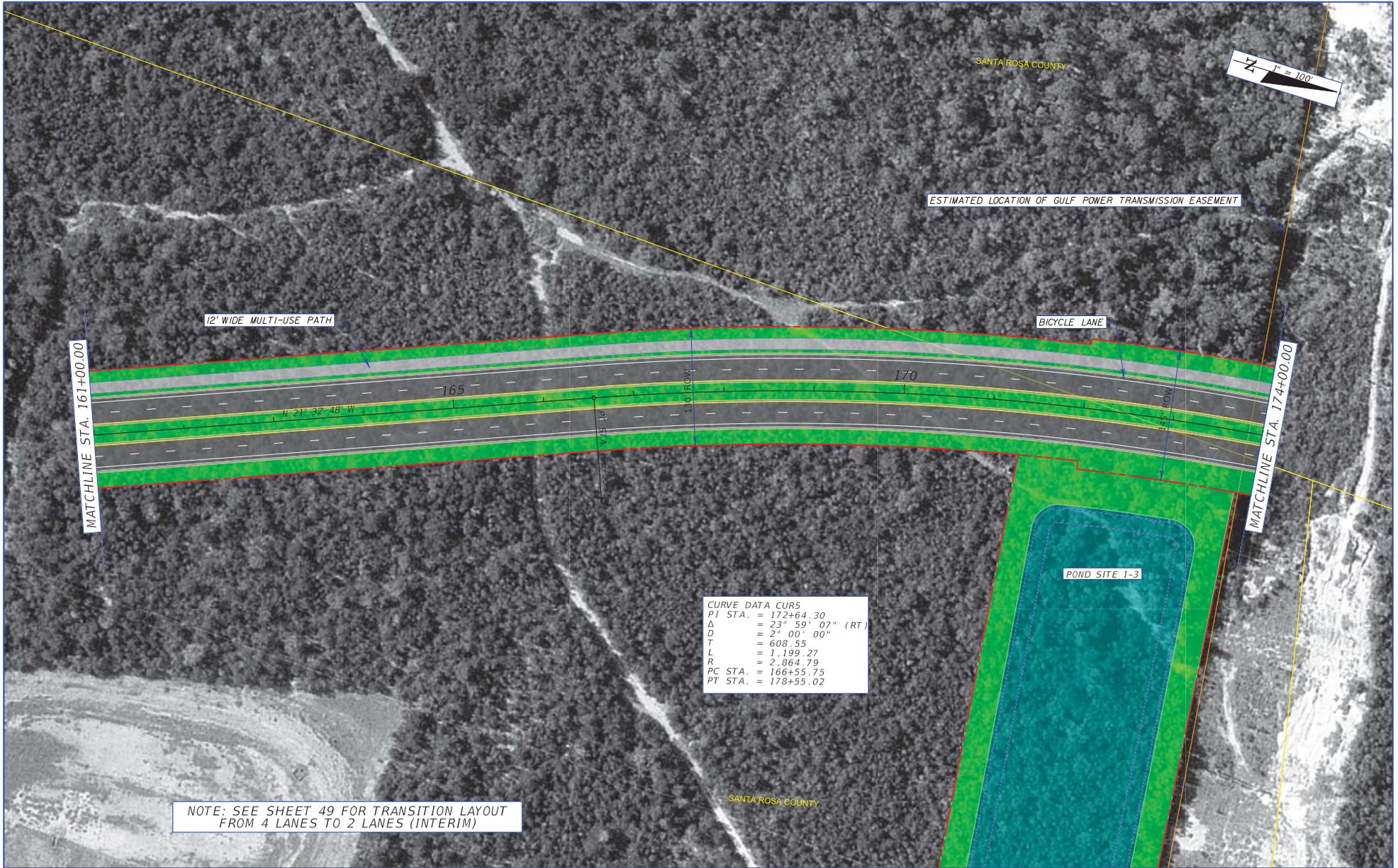


**CURVE DATA CUR3**  
 PI STA. = 133+72.50  
 $\Delta$  = 36° 16' 48" (LT)  
 D = 4° 45' 00"  
 T = 395.19  
 L = 763.79  
 R = 1,206.23  
 PC STA. = 129+77.31  
 PT STA. = 137+41.10

**CURVE DATA CUR4**  
 PI STA. = 143+86.75  
 $\Delta$  = 27° 57' 00" (RT)  
 D = 3° 00' 00"  
 T = 475.30  
 L = 931.67  
 R = 1,909.86  
 PC STA. = 139+11.45  
 PT STA. = 148+43.12

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		

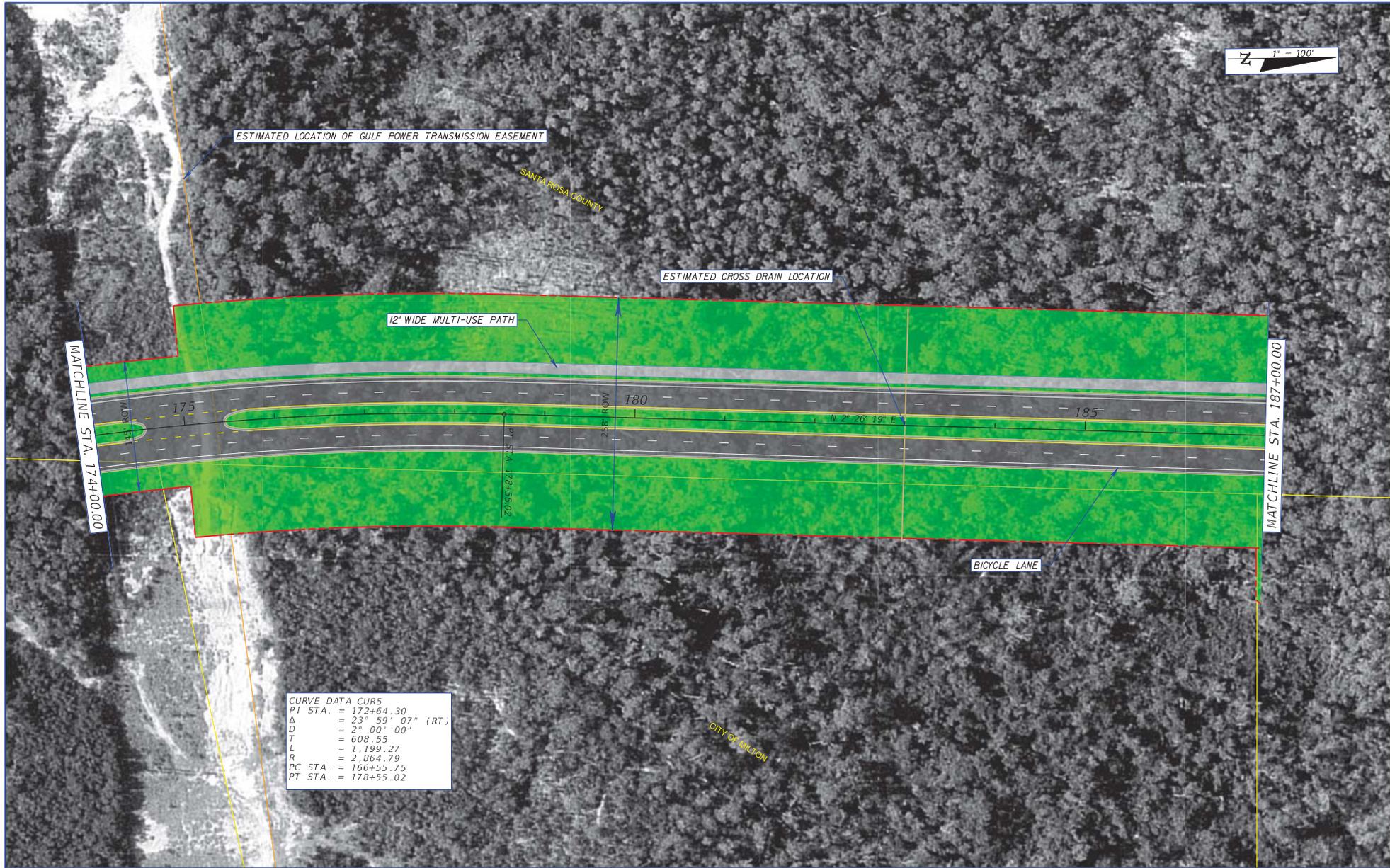




REVISIONS		DATE	DESCRIPTION	DATE	DESCRIPTION
DATE	DESCRIPTION				

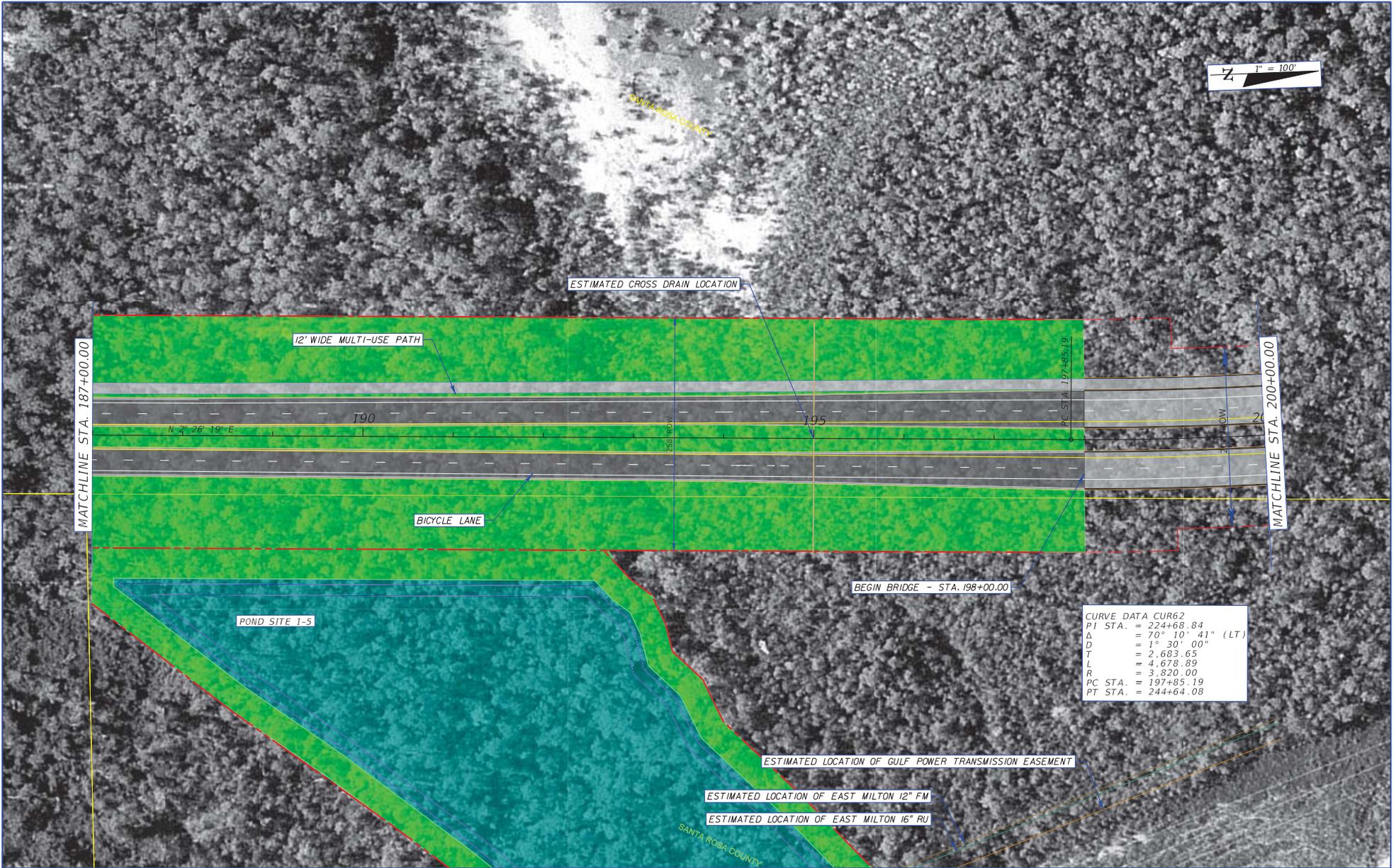
METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>PLAN SHEET ALIGNMENT 1</b>	SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 87	SANTA ROSA	416748-3-22-01, ETC.		14

1" = 100'



CURVE DATA CUR5	
PI STA.	= 172+64.30
Δ	= 23° 59' 07" (RT)
D	= 2° 00' 00"
T	= 608.55
L	= 1,199.27
R	= 2,864.79
PC STA.	= 166+55.75
PT STA.	= 178+55.02

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 15
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



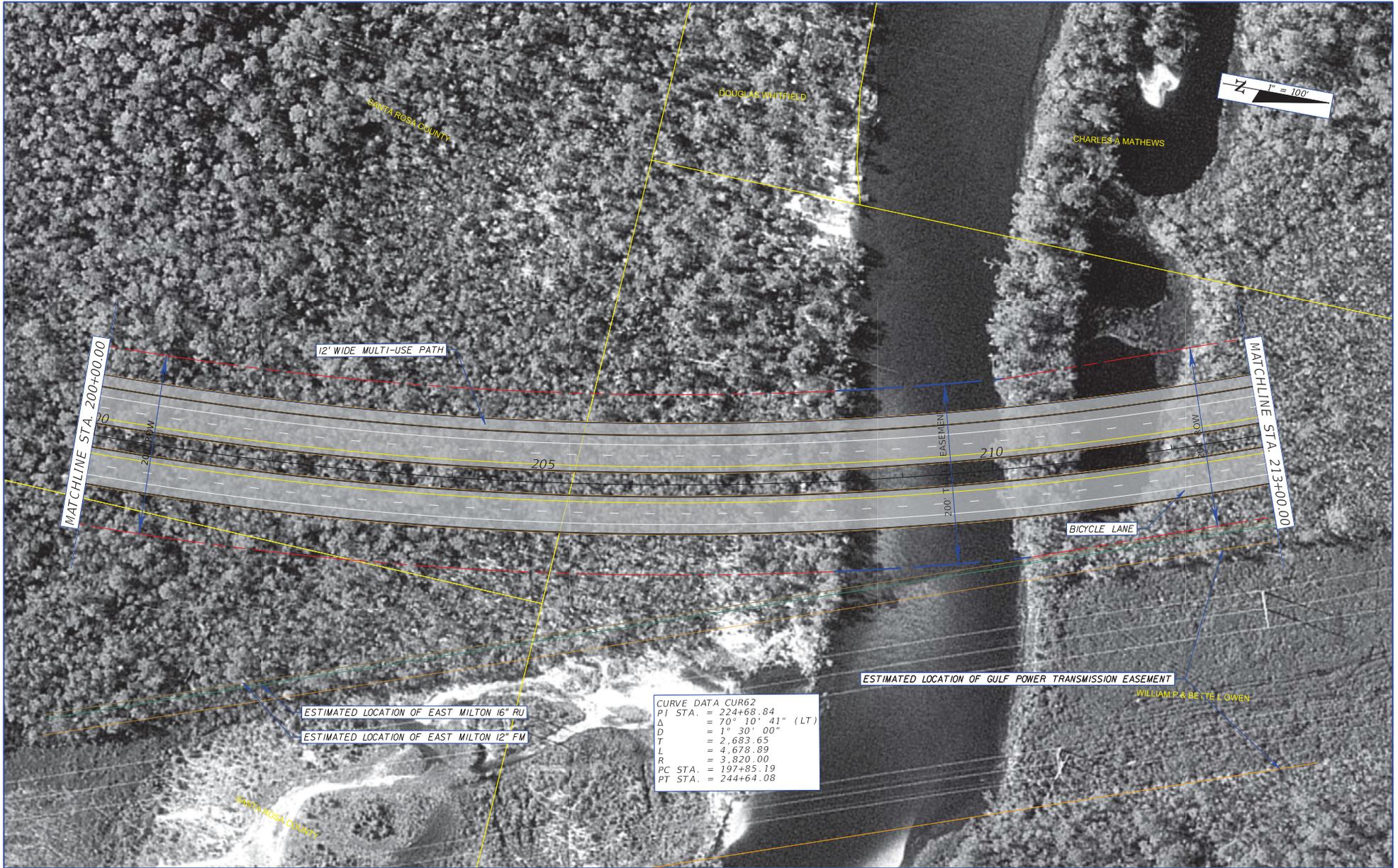
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.
16



CURVE DATA CUR62  
 PI STA. = 224+68.84  
 $\Delta$  = 70° 10' 41" (LT)  
 D = 1° 30' 00"  
 T = 2,683.65  
 L = 4,678.89  
 R = 3,820.00  
 PC STA. = 197+85.19  
 PT STA. = 244+64.08

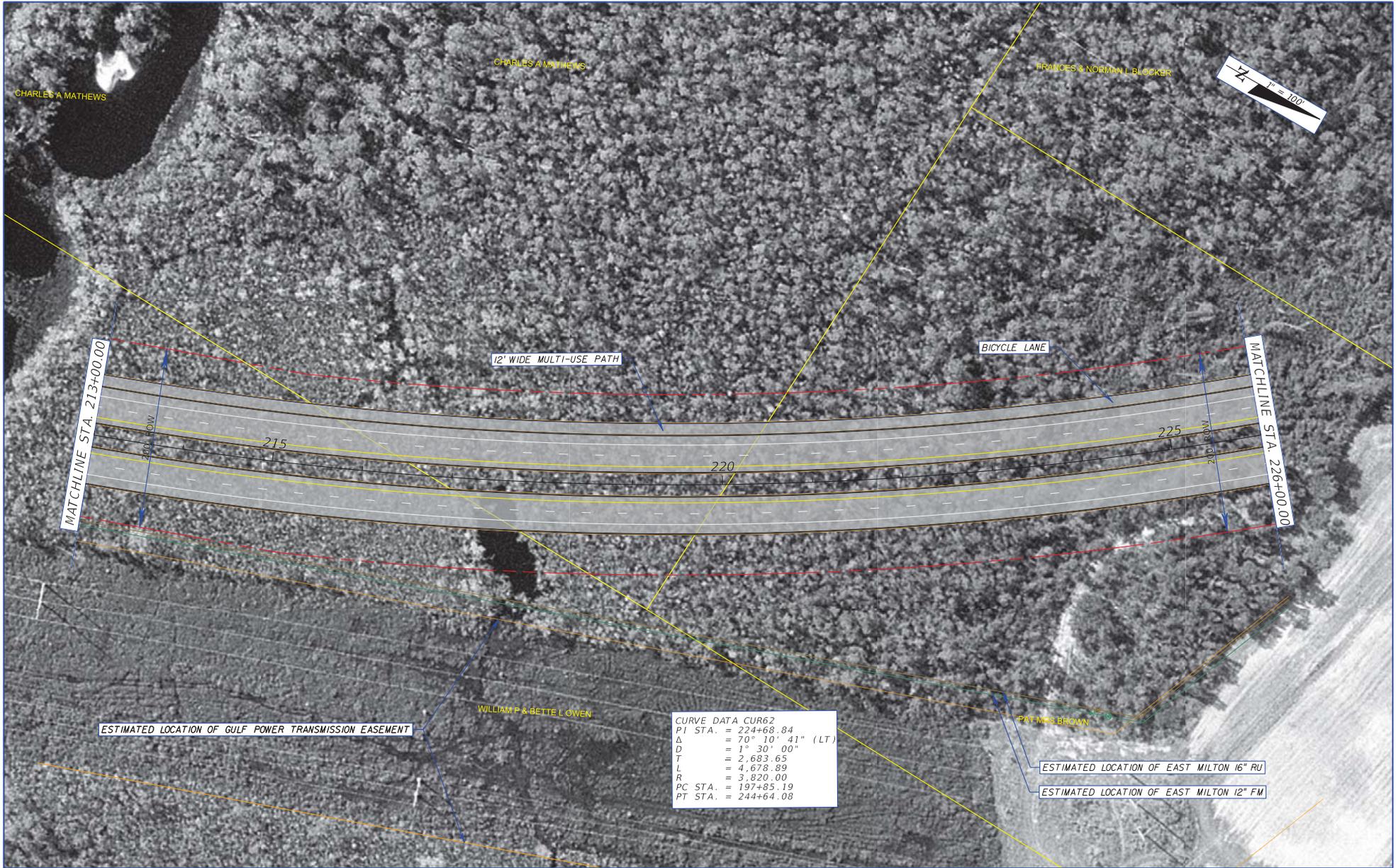
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416749-3-22-01, ETC.

**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.  
17



CURVE DATA CUR62  
 PI STA. = 224+68.84  
 $\Delta$  = 70° 10' 41" (LT)  
 D = 1° 30' 00"  
 T = 2,683.65  
 L = 4,678.89  
 R = 3,820.00  
 PC STA. = 197+25.19  
 PT STA. = 244+64.08

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416749-3-22-01, ETC.			



CURVE DATA CUR62  
 PI STA. = 224+68.84  
 $\Delta$  = 70° 10' 41" (LT)  
 D = 1° 30' 00"  
 T = 2,683.65  
 L = 4,678.89  
 R = 3,820.00  
 PC STA. = 197+95.19  
 PT STA. = 244+64.08

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 19
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416749-3-22-01, ETC.			



CURVE DATA CUR62  
 PT STA. = 224+68.84  
 $\Delta$  = 70° 10' 41" (LT)  
 D = 1° 30' 00"  
 T = 2,683.65  
 L = 4,678.89  
 R = 3,920.00  
 PC STA. = 197+85.19  
 PT STA. = 244+64.08

ESTIMATED LOCATION OF EAST MILTON 12" FM  
 ESTIMATED LOCATION OF EAST MILTON 16" RU

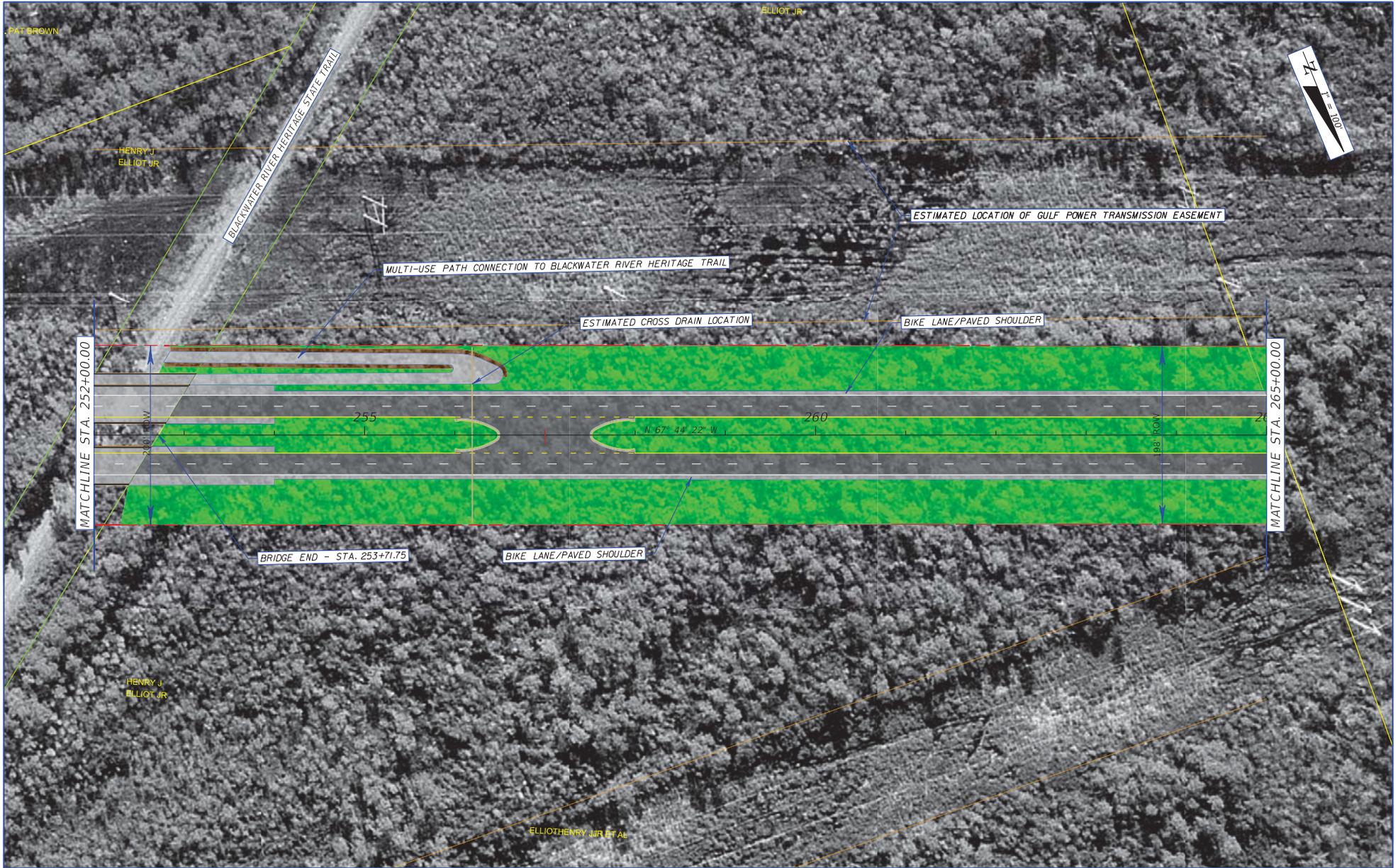
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

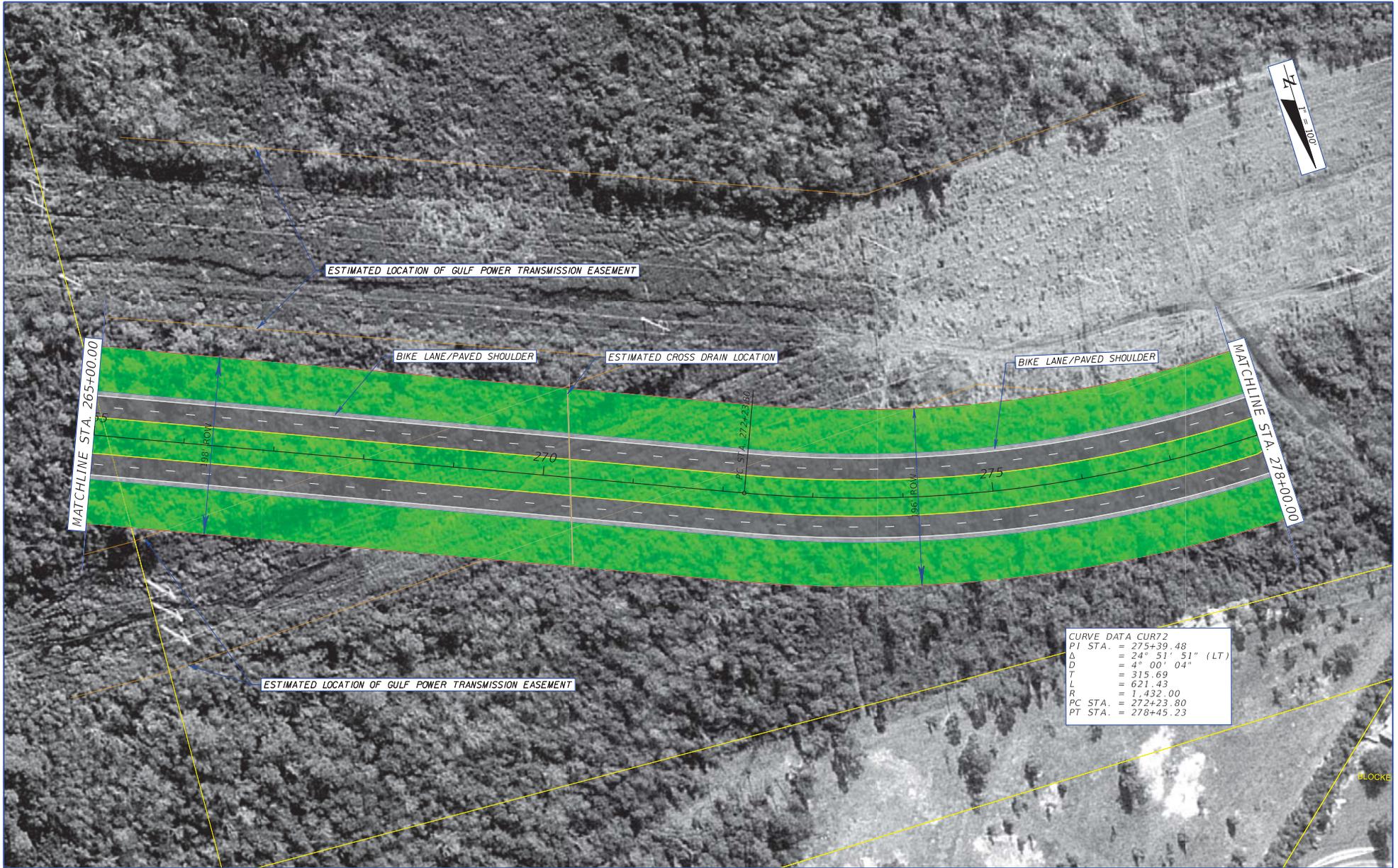
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.  
20

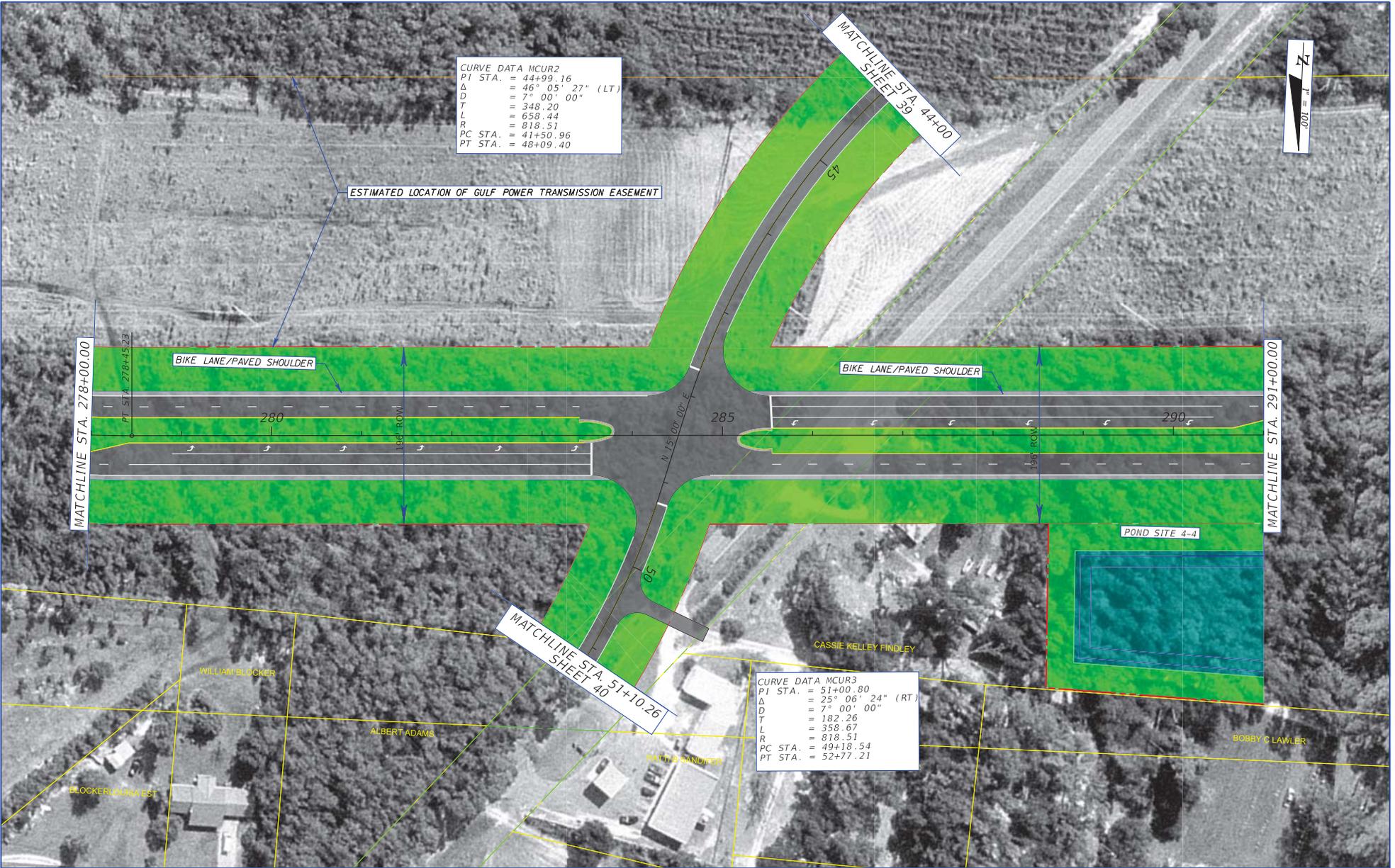


REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416749-3-22-01, ETC.			



CURVE DATA CURT2  
 PI STA. = 275+39.48  
 Δ = 24° 51' 51" (LT)  
 D = 4° 00' 04"  
 T = 315.69  
 L = 621.43  
 R = 1,432.00  
 PC STA. = 272+23.80  
 PT STA. = 278+45.23

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.		
				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294				



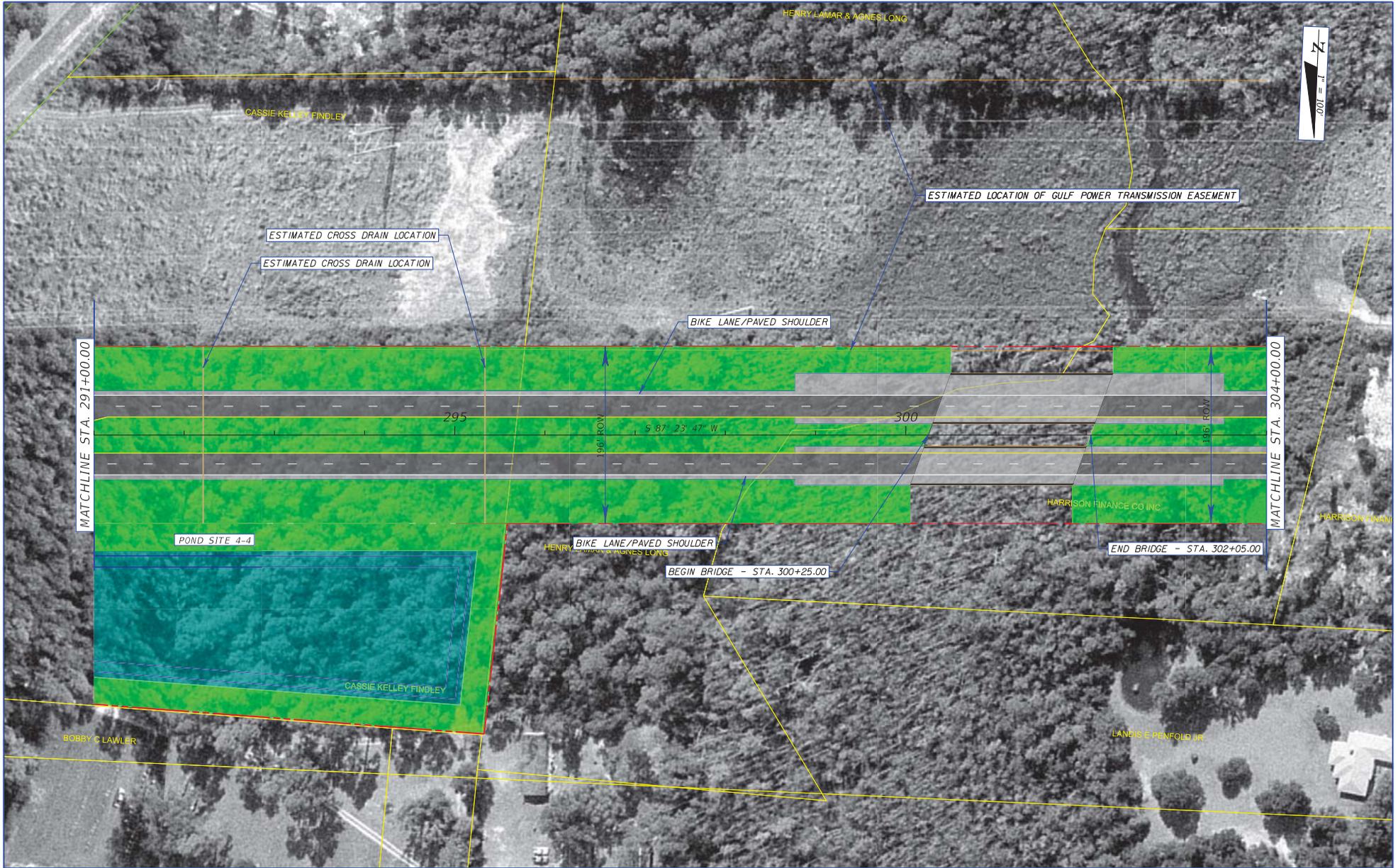
**CURVE DATA MCUR2**  
 PI STA. = 44+99.16  
 Δ = 46° 05' 27" (LT)  
 D = 7° 00' 00"  
 T = 348.20  
 L = 658.44  
 R = 818.51  
 PC STA. = 41+50.96  
 PT STA. = 48+09.40

ESTIMATED LOCATION OF GULF POWER TRANSMISSION EASEMENT



**CURVE DATA MCUR3**  
 PI STA. = 51+00.80  
 Δ = 25° 06' 24" (RT)  
 D = 7° 00' 00"  
 T = 182.26  
 L = 358.67  
 R = 818.51  
 PC STA. = 49+18.54  
 PT STA. = 52+77.21

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



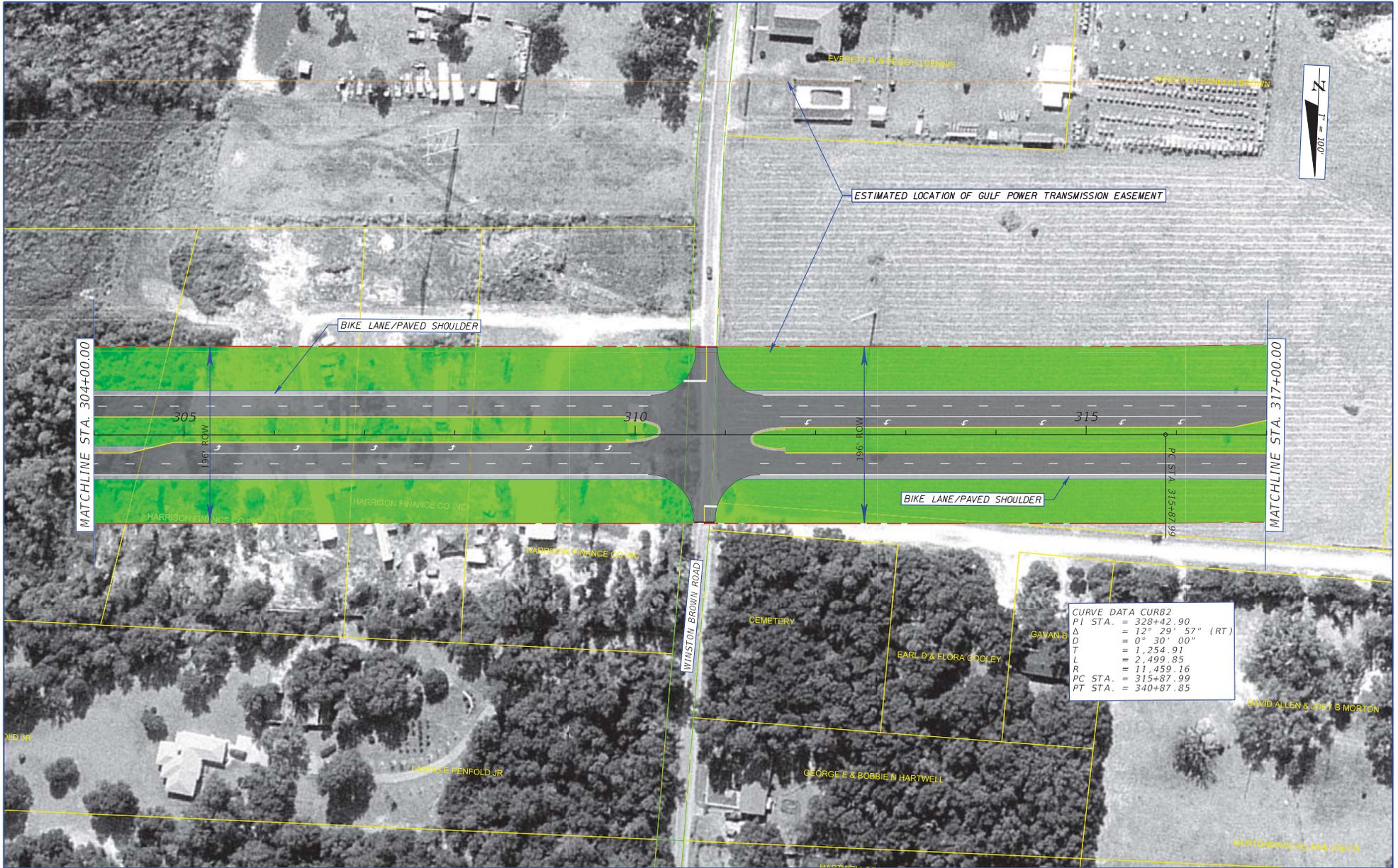
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

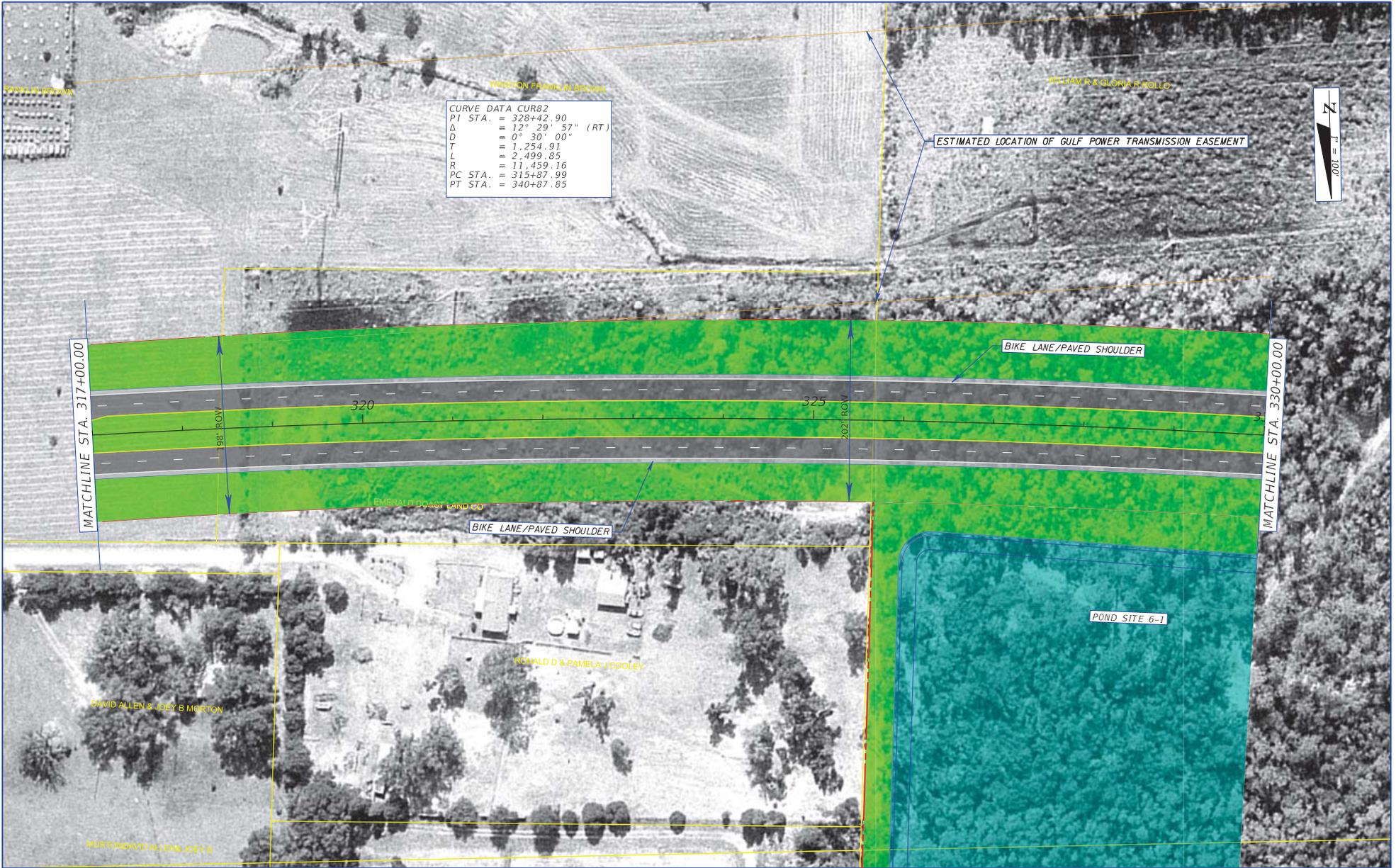
**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.
24



CURVE DATA CUR82	
P1 STA.	= 328+42.90
Δ	= 12° 29' 57" (RT)
D	= 0° 30' 00"
T	= 1,254.91
L	= 2,499.85
R	= 11,459.16
PC STA.	= 315+87.99
PT STA.	= 340+87.85

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>PLAN SHEET ALIGNMENT 1</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416749-3-22-01, ETC.		25



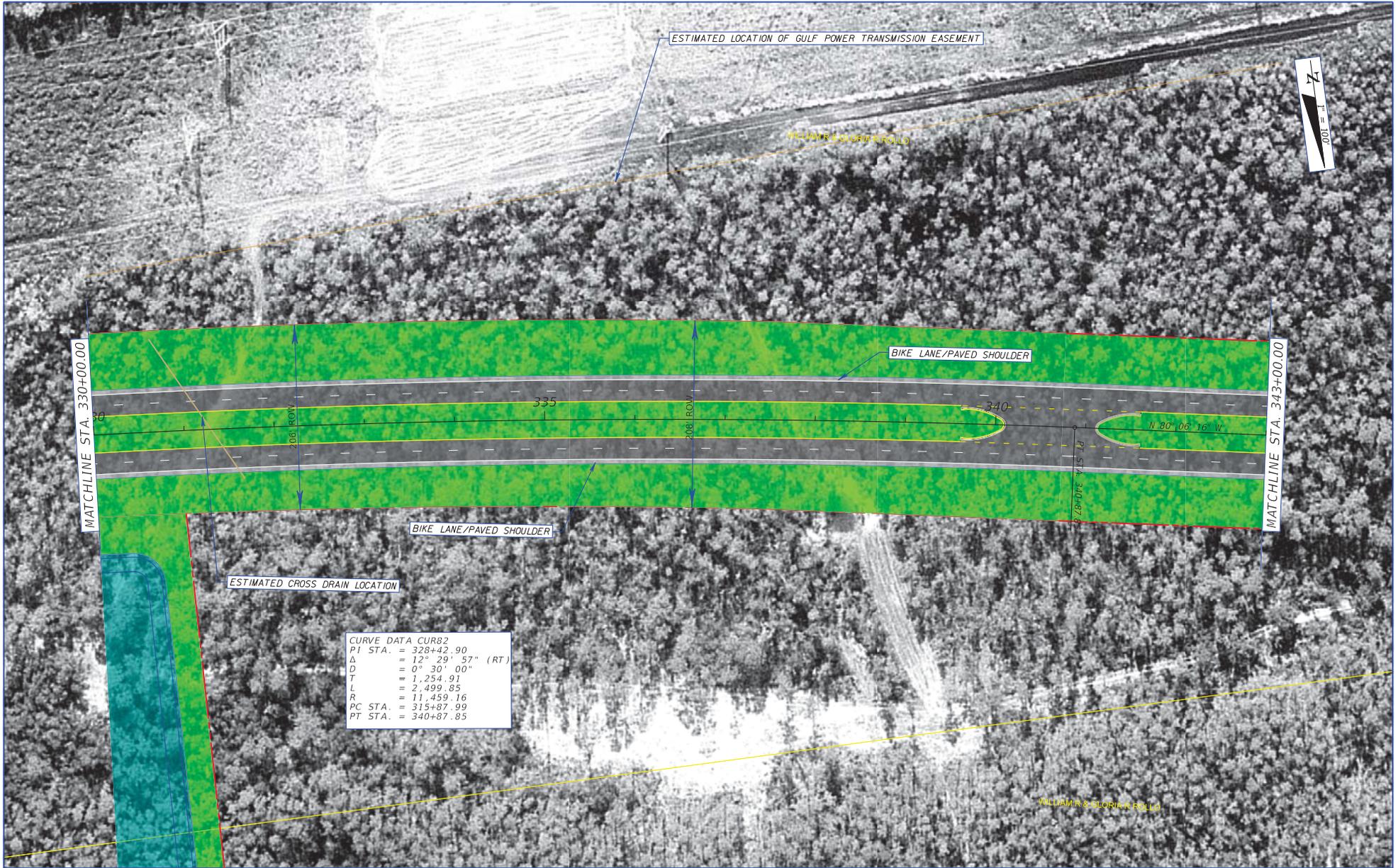
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416749-3-22-01, ETC.

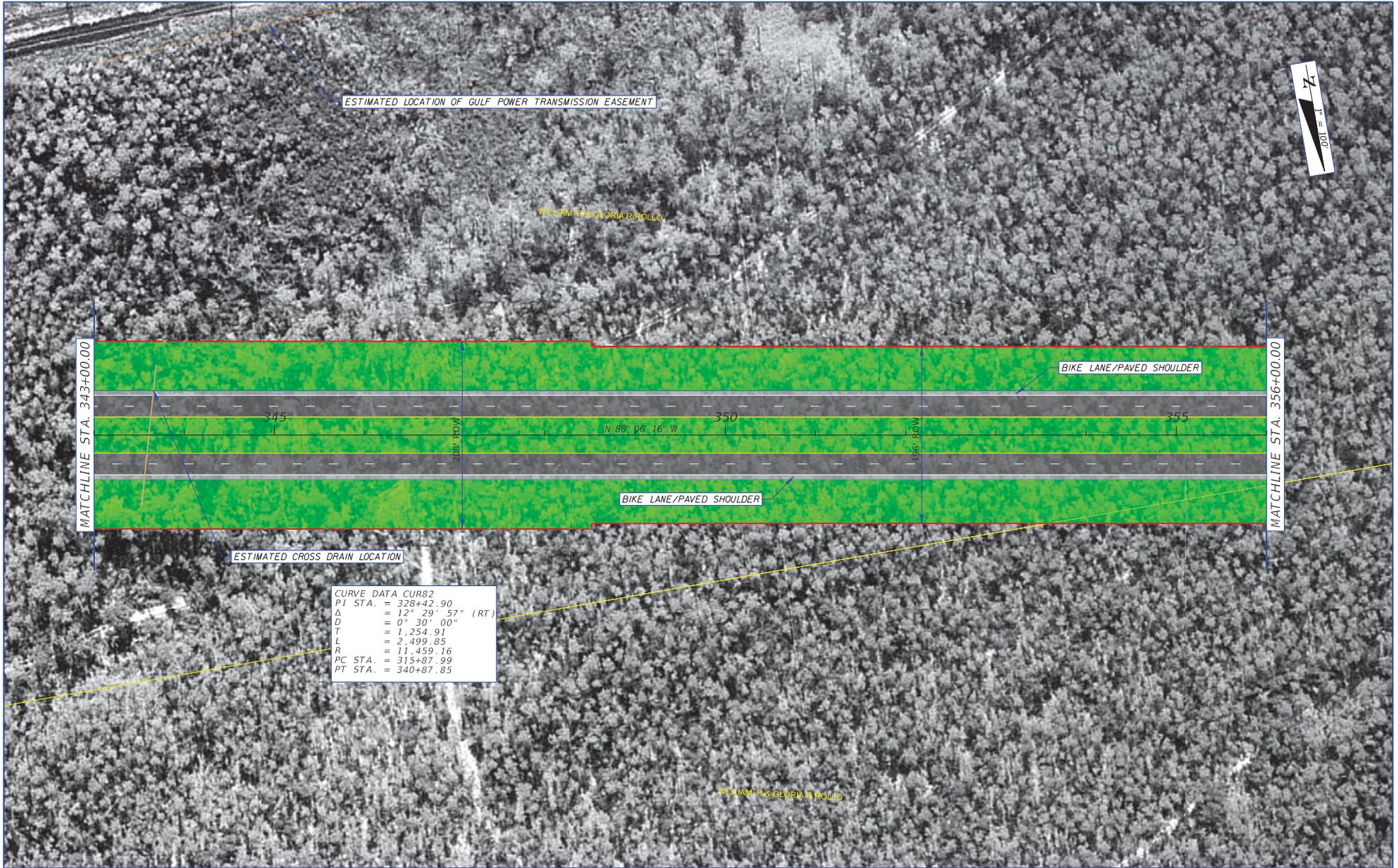
**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.
26



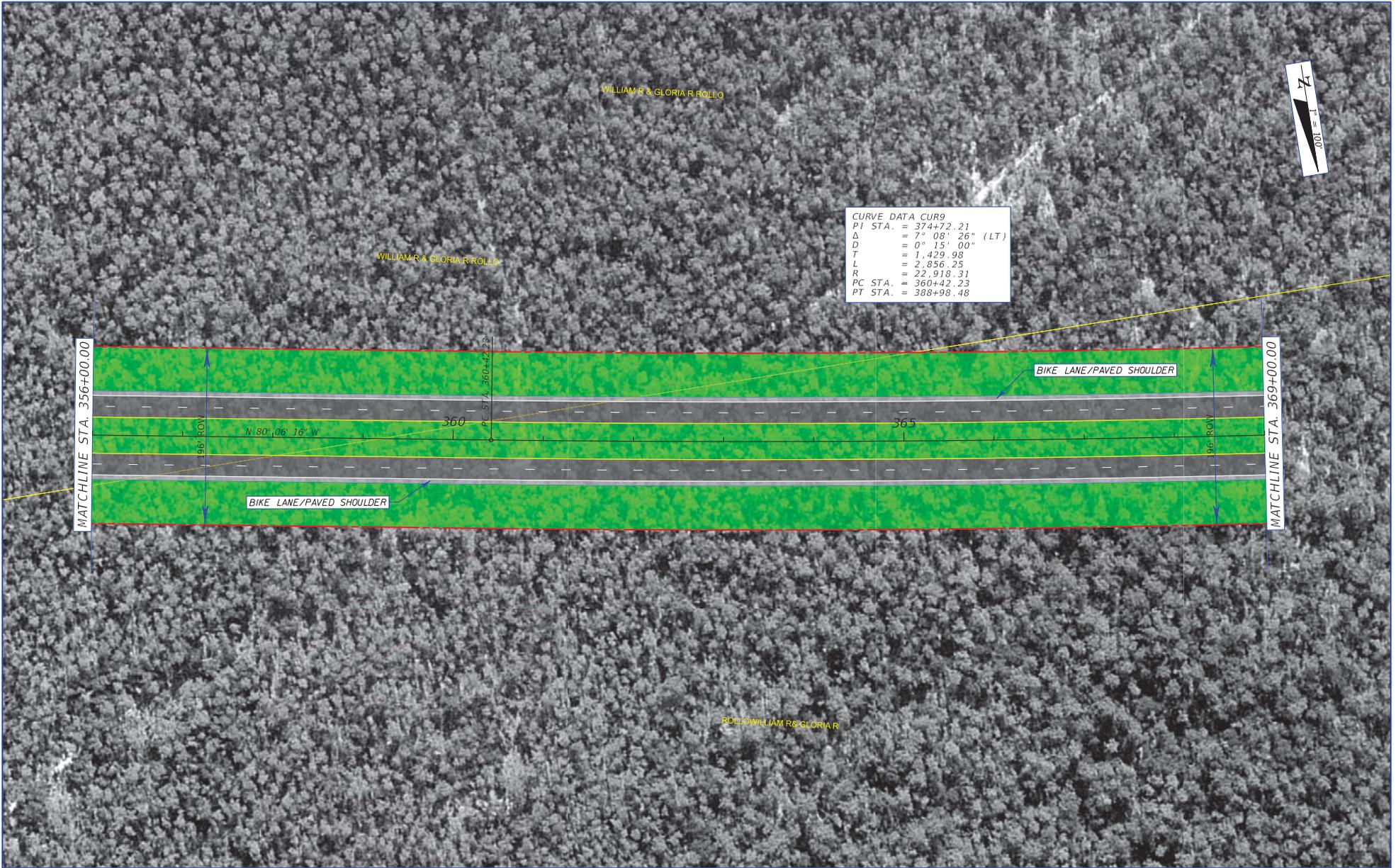
CURVE DATA CUR82  
 PI STA. = 328+42.90  
 $\Delta$  = 12° 29' 57" (RT)  
 D = 0° 30' 00"  
 T = 1,254.91  
 L = 2,499.85  
 R = 11,459.16  
 PC STA. = 315+87.99  
 PT STA. = 340+87.85

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416749-3-22-01, ETC.		



CURVE DATA CUR82  
 PI STA. = 328+42.90  
 $\Delta$  = 12° 29' 57" (RT)  
 D = 0° 30' 00"  
 T = 1,254.91  
 L = 2,499.85  
 R = 11,459.16  
 PC STA. = 315+87.99  
 PT STA. = 340+87.85

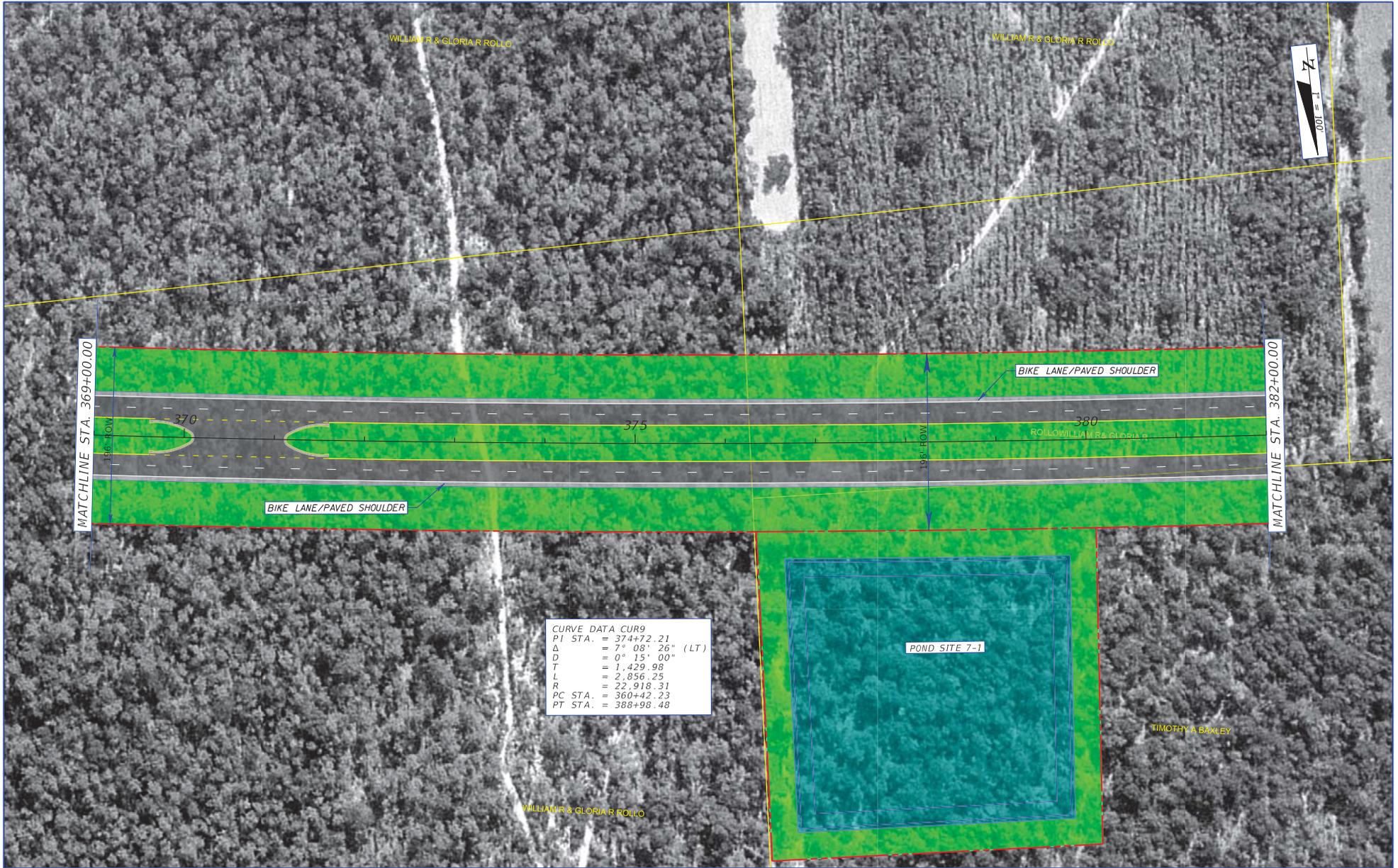
REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		28



CURVE DATA CUR9	
PI STA.	= 374+72.21
$\Delta$	= 7° 08' 26" (LT)
D	= 0° 15' 00"
T	= 1,429.98
L	= 2,856.25
R	= 22,918.31
PC STA.	= 360+42.23
PT STA.	= 388+98.48



REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 29
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



CURVE DATA CUR9  
 PI STA. = 374+72.21  
 $\Delta$  = 7° 08' 26" (LT)  
 D = 0° 15' 00"  
 T = 1,429.98  
 L = 2,856.25  
 R = 22,918.31  
 PC STA. = 360+42.23  
 PT STA. = 388+98.48

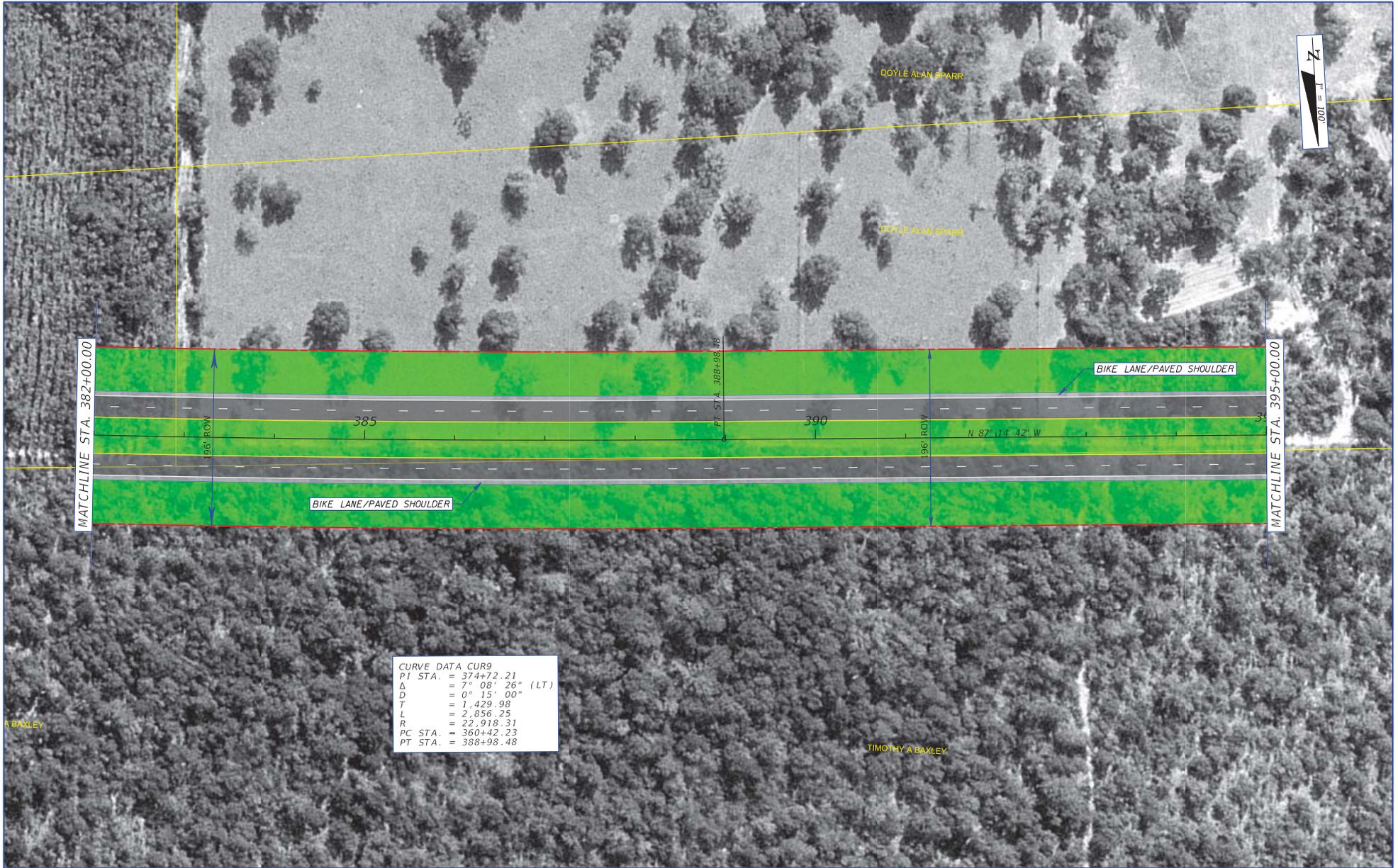
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

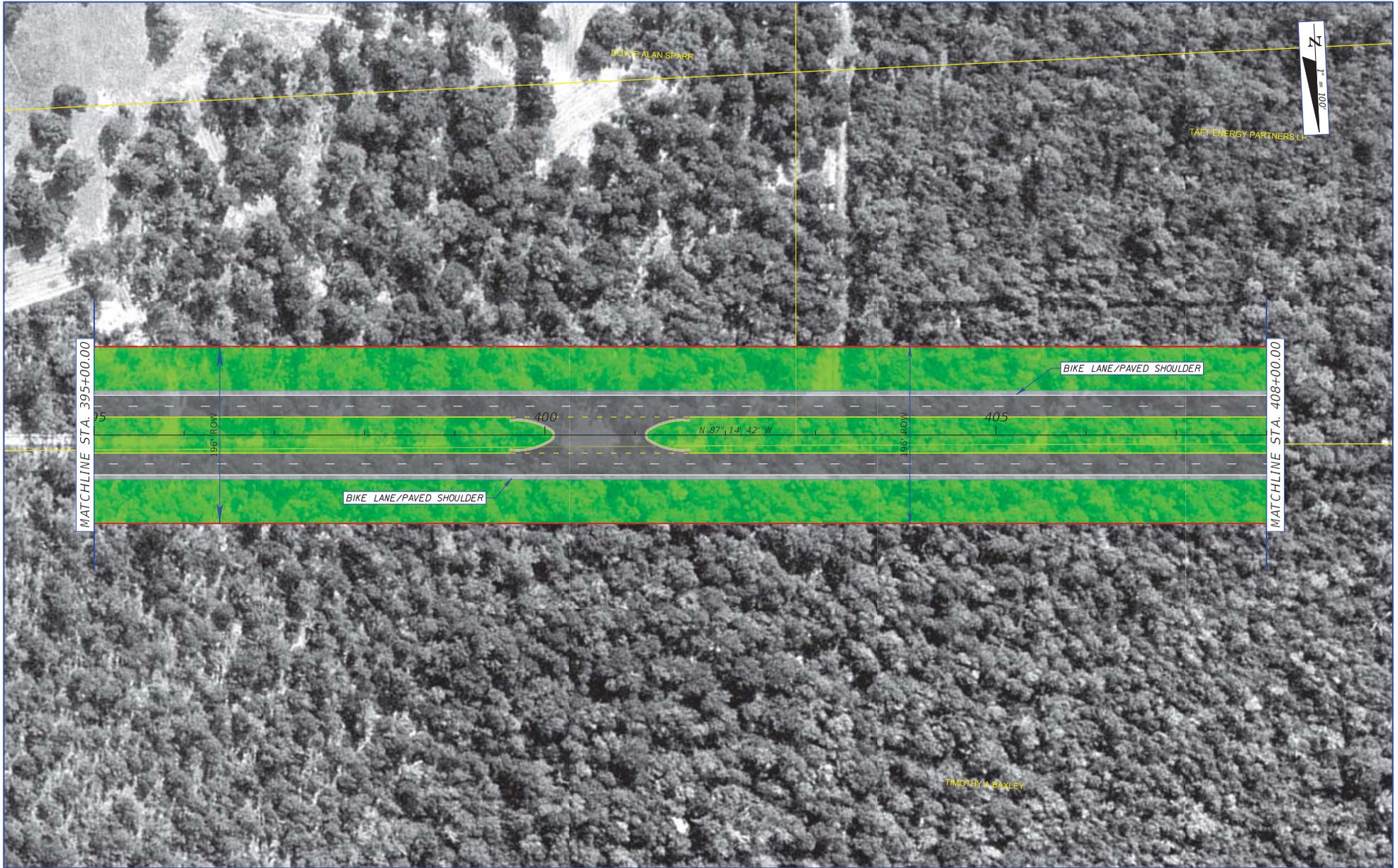
**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.
30



CURVE DATA CUR9  
 PI STA. = 374+72.21  
 $\Delta$  = 7° 08' 26" (LT)  
 D = 0° 15' 00"  
 T = 1,429.98  
 L = 2,856.25  
 R = 22,918.31  
 PC STA. = 360+42.23  
 PT STA. = 388+98.48

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>PLAN SHEET ALIGNMENT 1</b>	SHEET NO.  31
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



REVISIONS

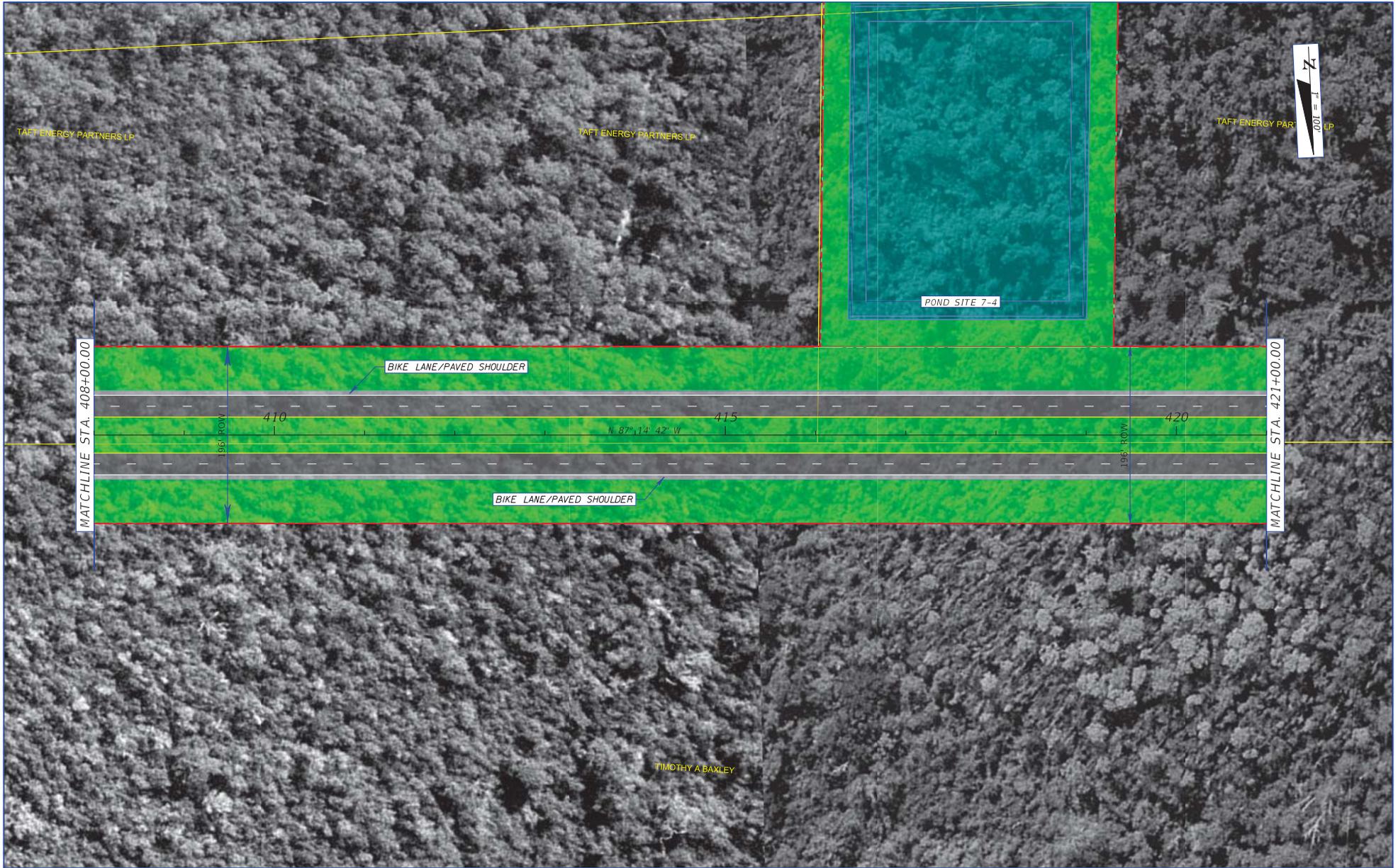
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

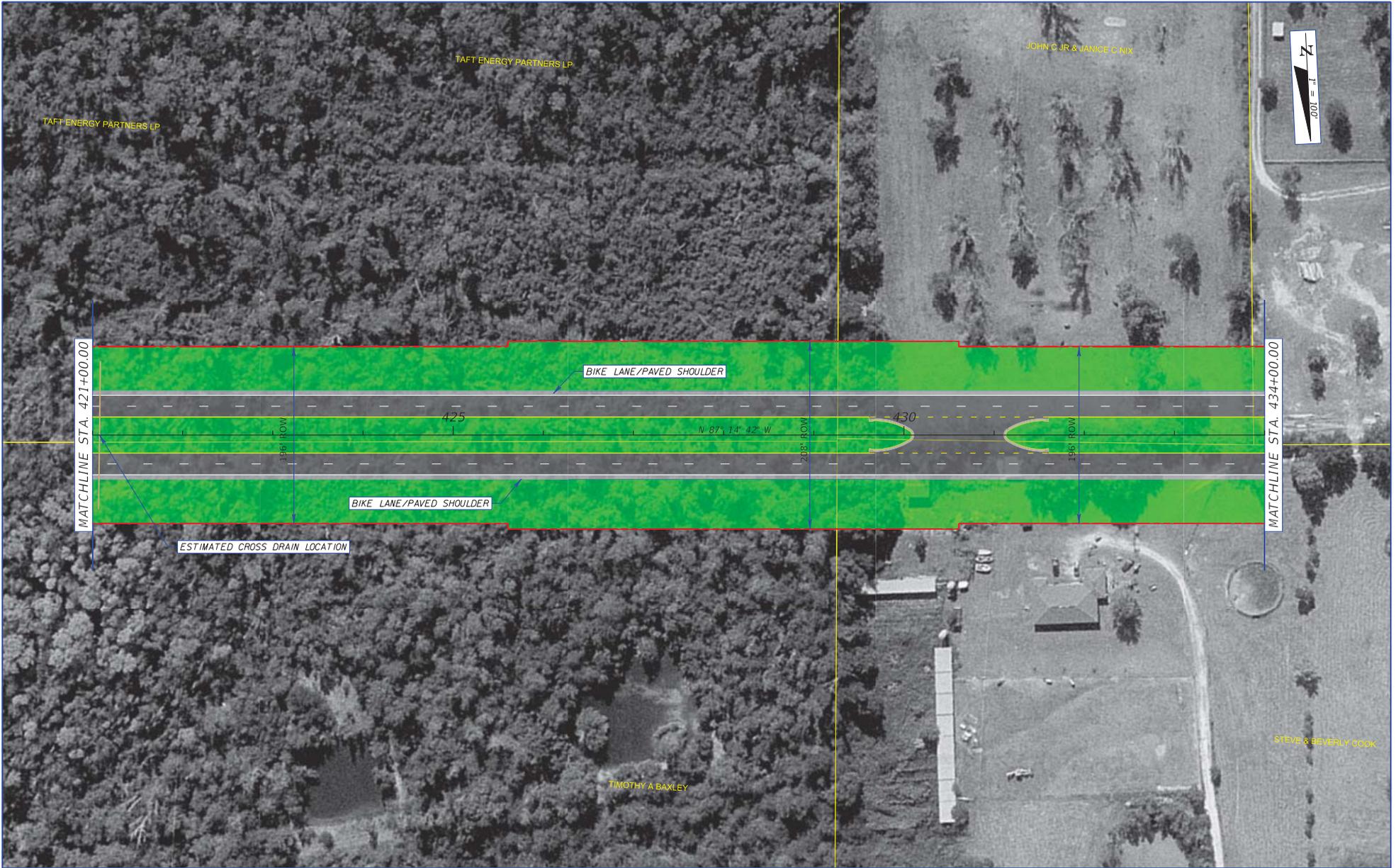
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416749-3-22-01, ETC.

**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.  
32



REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO.  33
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.
34



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.
35



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.
36



REVISIONS		DATE	DESCRIPTION	METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 87	SANTA ROSA	416748-3-22-01, ETC.	37	

**PLAN SHEET  
ALIGNMENT 1**



REVISIONS		METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	38		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



CURVE DATA MCUR1  
 PI STA. = 36+49.04  
 $\Delta$  = 18° 56' 06" (RT)  
 D = 7° 00' 00"  
 T = 136.49  
 L = 270.50  
 R = 818.51  
 PC STA. = 35+12.54  
 PT STA. = 37+83.04

MATCHLINE STA 44+00  
SHEET 23

MATCH EXISTING ASPHALT

MUNSON HIGHWAY

CASSIE KEMEL HINDLEY

MUNSON KEMEL HINDLEY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.
39



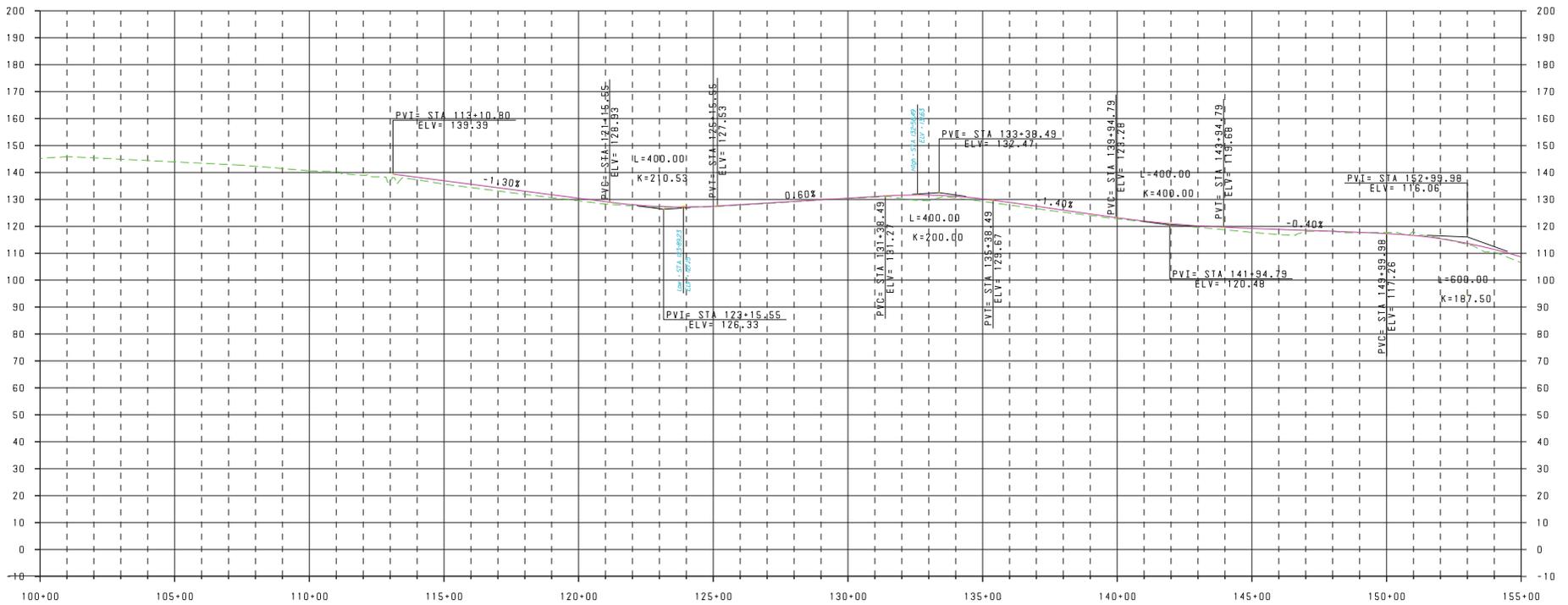
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

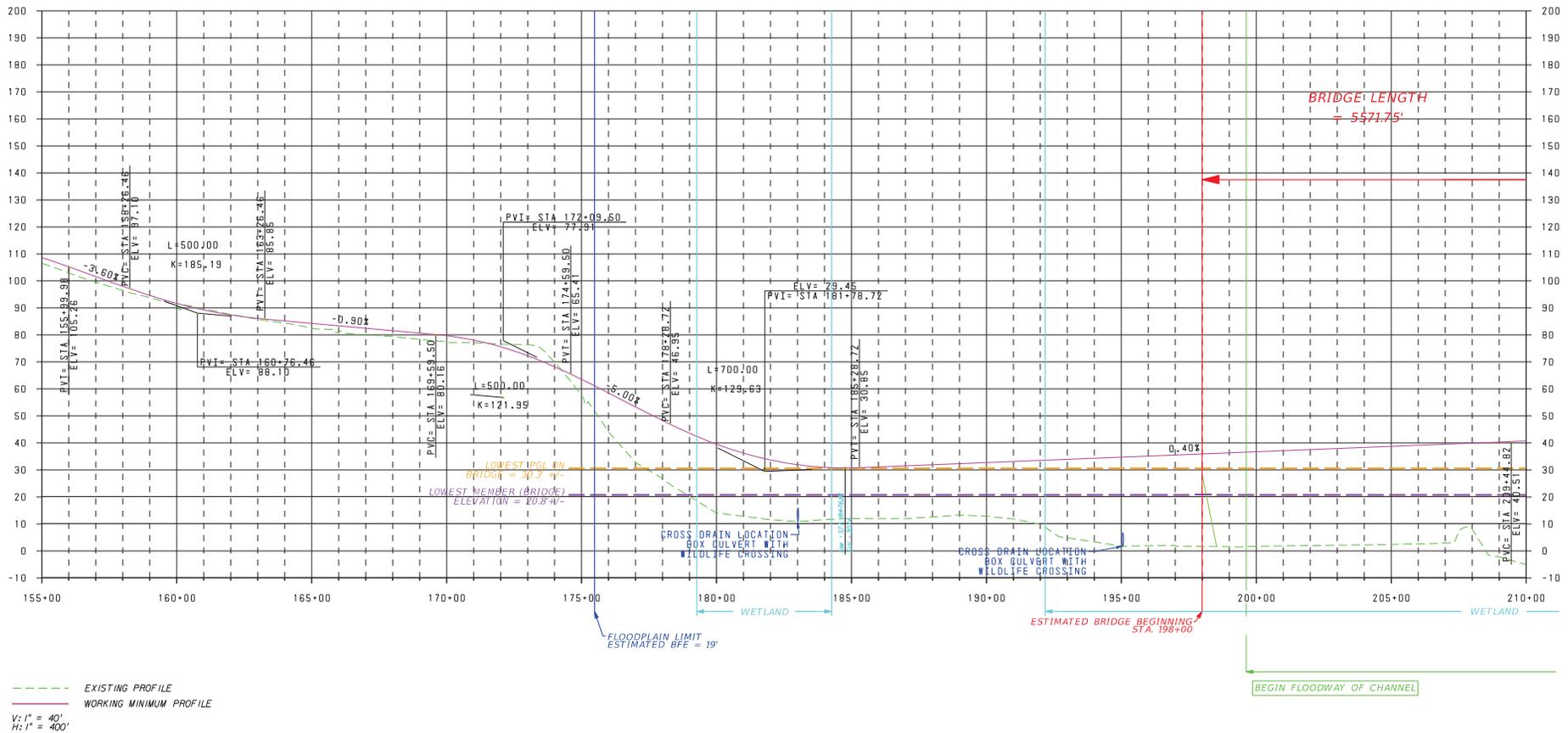
**PLAN SHEET  
ALIGNMENT 1**

SHEET NO.  
40

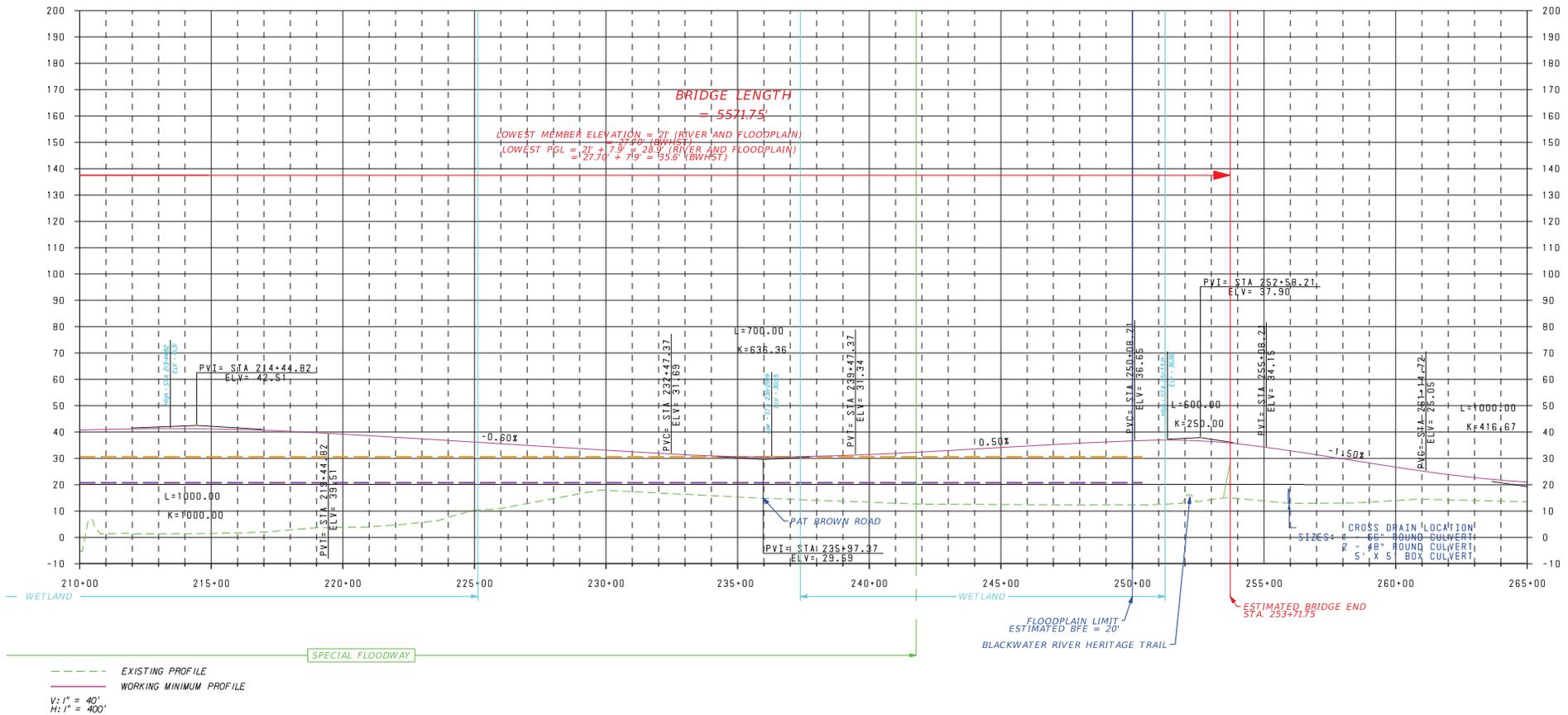


- - - - - EXISTING PROFILE  
 ——— WORKING MINIMUM PROFILE  
 V: 1" = 40'  
 H: 1" = 400'

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET ALIGNMENT 1	SHEET NO. 41
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		

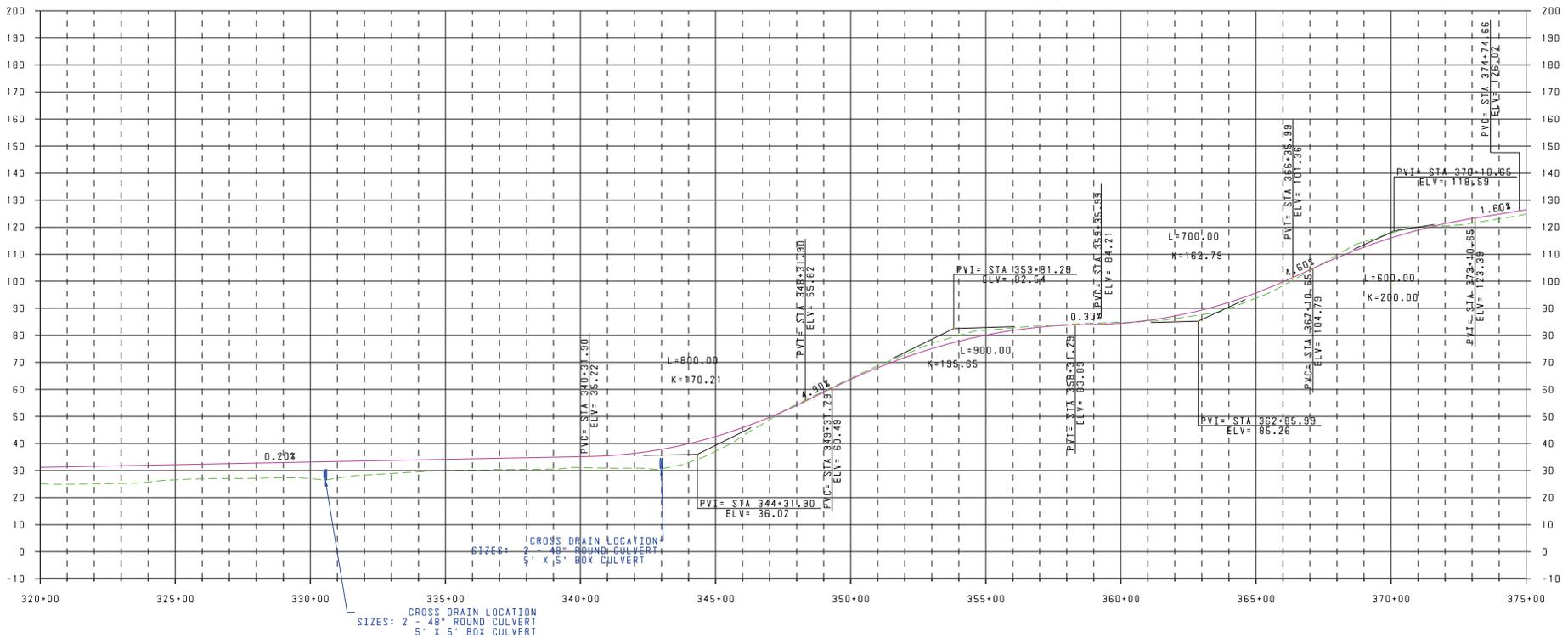


REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET ALIGNMENT 1	SHEET NO. 42
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



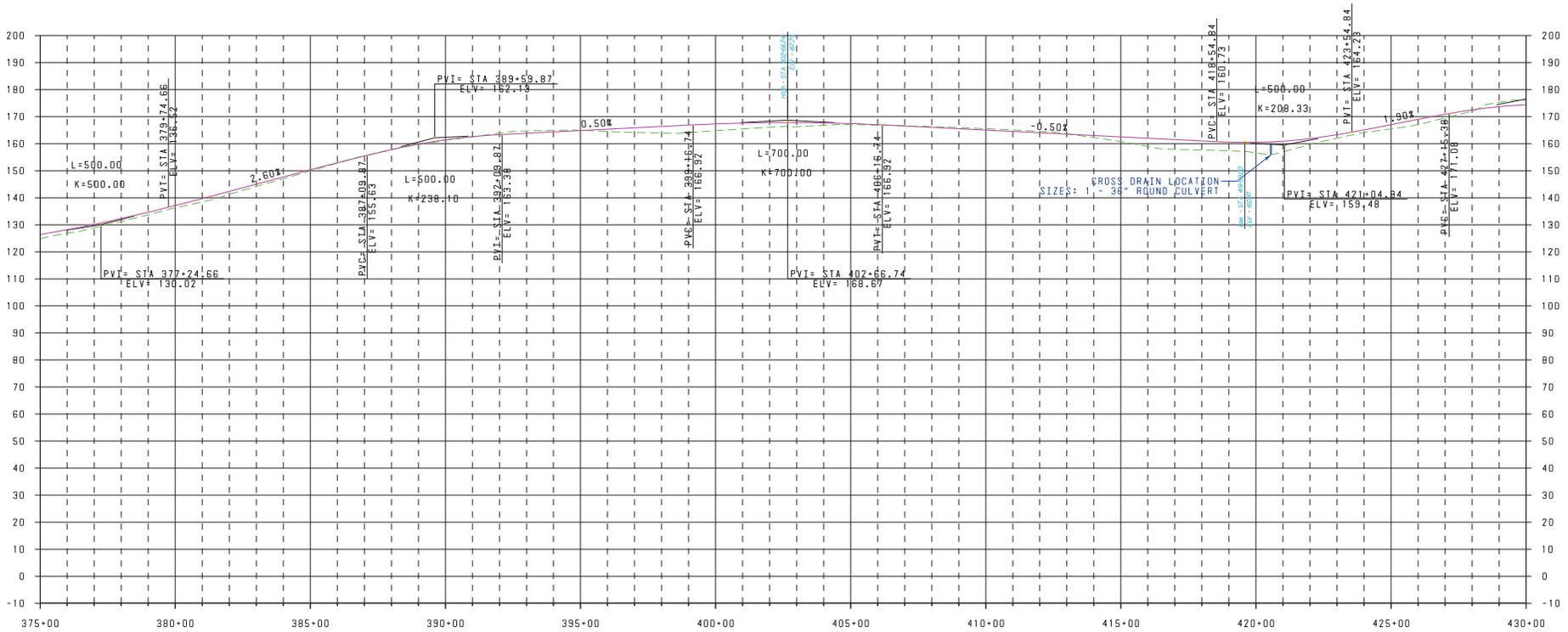
REVISIONS		DESCRIPTION		METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET ALIGNMENT 1	SHEET NO. 43
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		





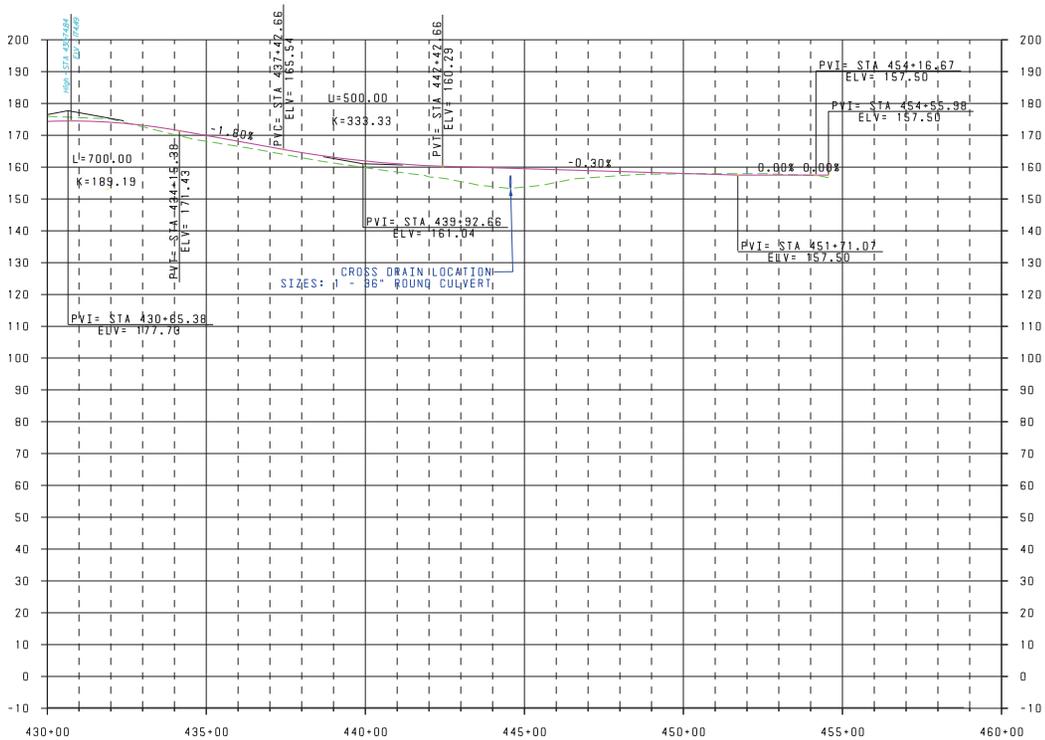
- - - - - EXISTING PROFILE  
 ——— WORKING MINIMUM PROFILE  
 V: 1" = 40'  
 H: 1" = 400'

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>PROFILE SHEET</b> <b>ALIGNMENT 1</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



- - - - - EXISTING PROFILE  
 ——— WORKING MINIMUM PROFILE  
 V: 1" = 40'  
 H: 1" = 400'

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>PROFILE SHEET</b> <b>ALIGNMENT 1</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		46



- - - - - EXISTING PROFILE  
 ——— WORKING MINIMUM PROFILE  
 V: 1" = 40'  
 H: 1" = 400'

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

**PROFILE SHEET**  
**ALIGNMENT 1**

SHEET NO.

47



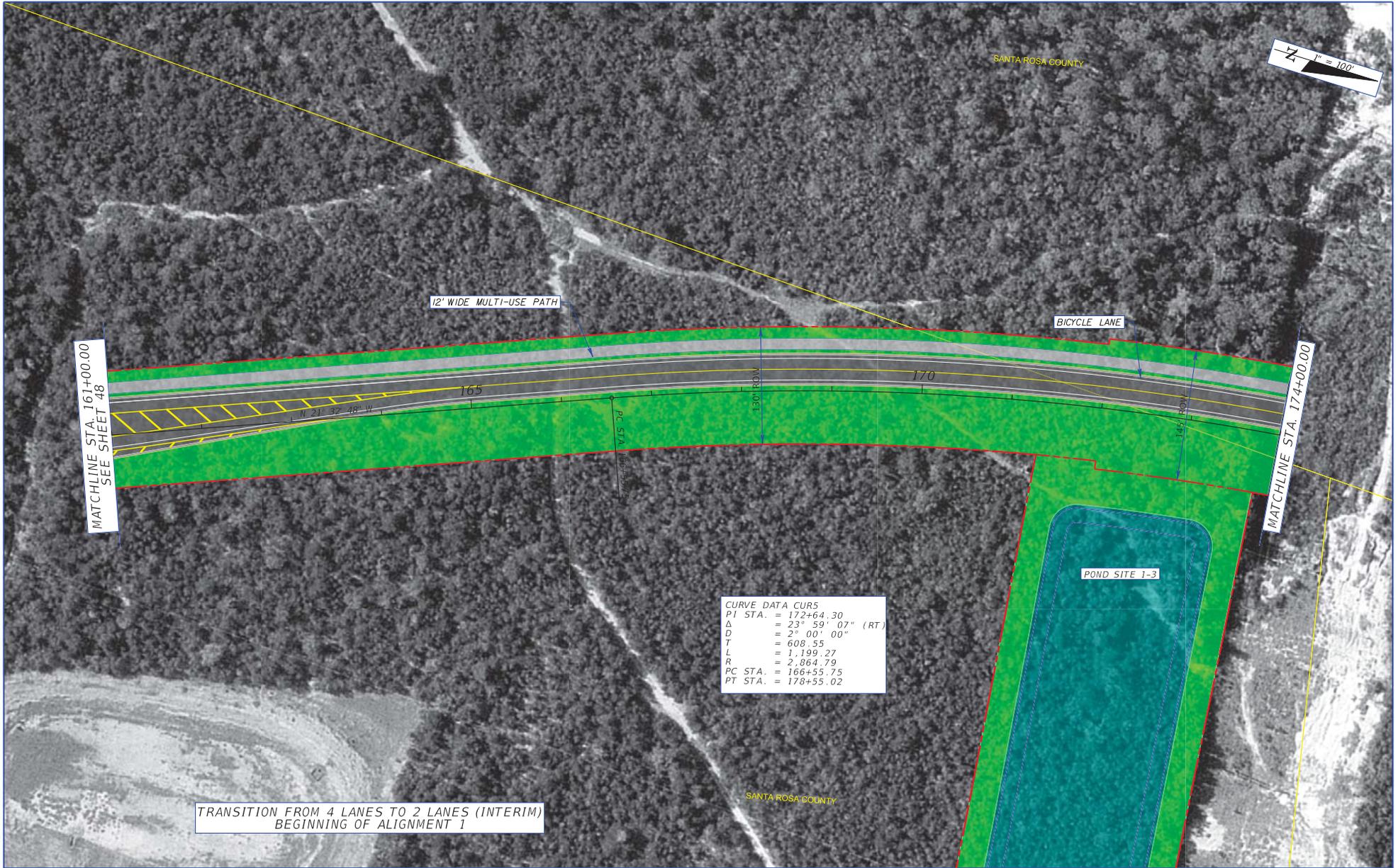
MATCHLINE STA. 148+00.00  
SEE SHEET 12

MATCHLINE STA. 161+00.00  
SEE SHEET 49

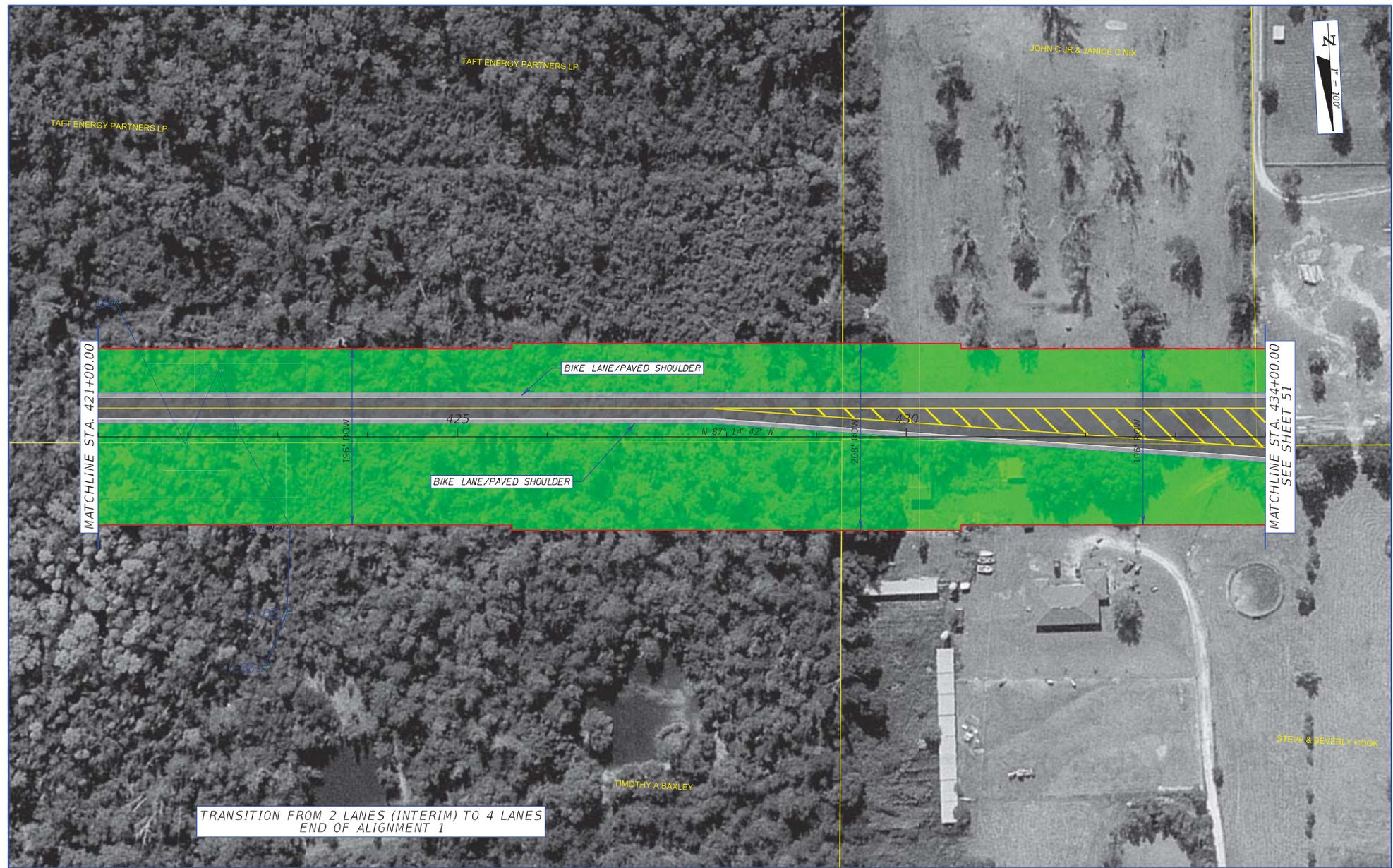
**CURVE DATA CUR4**  
 PI STA. = 143+86.75  
 Δ = 27° 57' 00" (RT)  
 D = 3° 00' 00"  
 T = 475.30  
 L = 931.67  
 R = 1,909.86  
 PC STA. = 139+11.45  
 PT STA. = 148+43.12

TRANSITION FROM 4 LANES TO 2 LANES (INTERIM)  
 BEGINNING OF ALIGNMENT 1

REVISIONS		DATE	DESCRIPTION	METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRANSITION LAYOUT ALIGNMENT 1	SHEET NO.  48
DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



REVISIONS					STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TRANSITION LAYOUT ALIGNMENT 1</b>		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID			49	
				SR 87	SANTA ROSA	416748-3-22-01, ETC.				
				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294						



TRANSITION FROM 2 LANES (INTERIM) TO 4 LANES  
END OF ALIGNMENT 1

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
2616 JENKS AVENUE  
PANAMA CITY, FLORIDA 32405  
CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

TRANSITION LAYOUT  
ALTERNATIVE 1

SHEET  
NO.  
50



MATCHLINE STA. 434+00.00  
SEE SHEET 50

MATCHLINE STA. 447+00.00  
SEE SHEET 36

TRANSITION FROM 2 LANES (INTERIM) TO 4 LANES  
END OF ALIGNMENT 1

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.  
2616 JENKS AVENUE  
PANAMA CITY, FLORIDA 32405  
CERTIFICATE OF AUTHORIZATION 00002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

**TRANSITION LAYOUT  
ALTERNATIVE 1**

SHEET NO.
51

