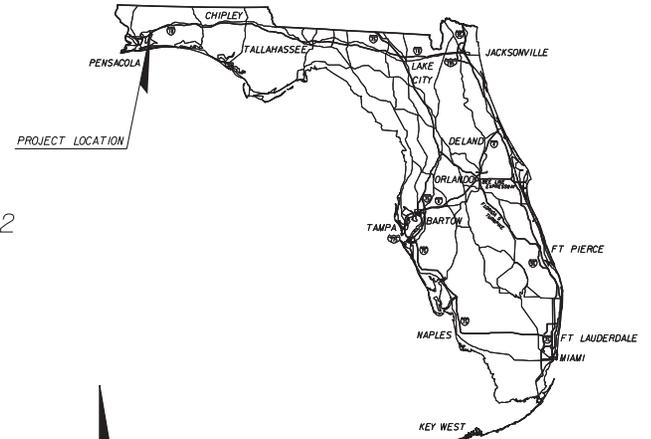


**STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION**

**CONCEPT PLANS**

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

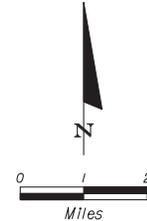
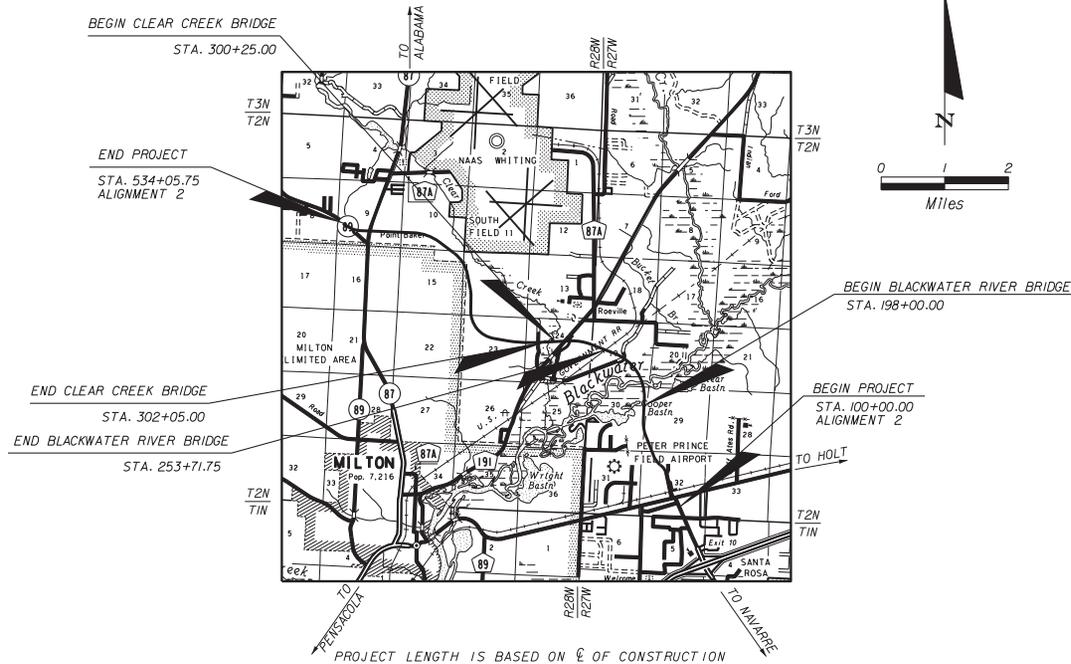
SANTA ROSA COUNTY  
STATE ROAD NO. 87 CONNECTOR  
ALIGNMENT 2



**INDEX OF CONCEPT PLANS**

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-6	TYPICAL SECTION SHEETS
7-8	PROJECT LAYOUT
9-45	PLAN SHEETS
46-53	PROFILE SHEETS
54-57	TRANSITION LAYOUTS

GOVERNING STANDARDS AND SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION,  
DESIGN STANDARDS DATED 2002/2003,  
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	37,654.00	7.13
BRIDGES	5,751.75	1.09
NET LENGTH OF PROJECT	43,405.75	8.22
EXCEPTIONS	NA	NA
GROSS LENGTH OF PROJECT	43,405.75	8.22

KEY SHEET REVISIONS	
DATE	DESCRIPTION

ROADWAY PLANS  
ENGINEER OF RECORD: JESSICA BLOOMFIELD, P.E.

P.E. NO.: 66427

FISCAL YEAR	SHEET NO.
	1

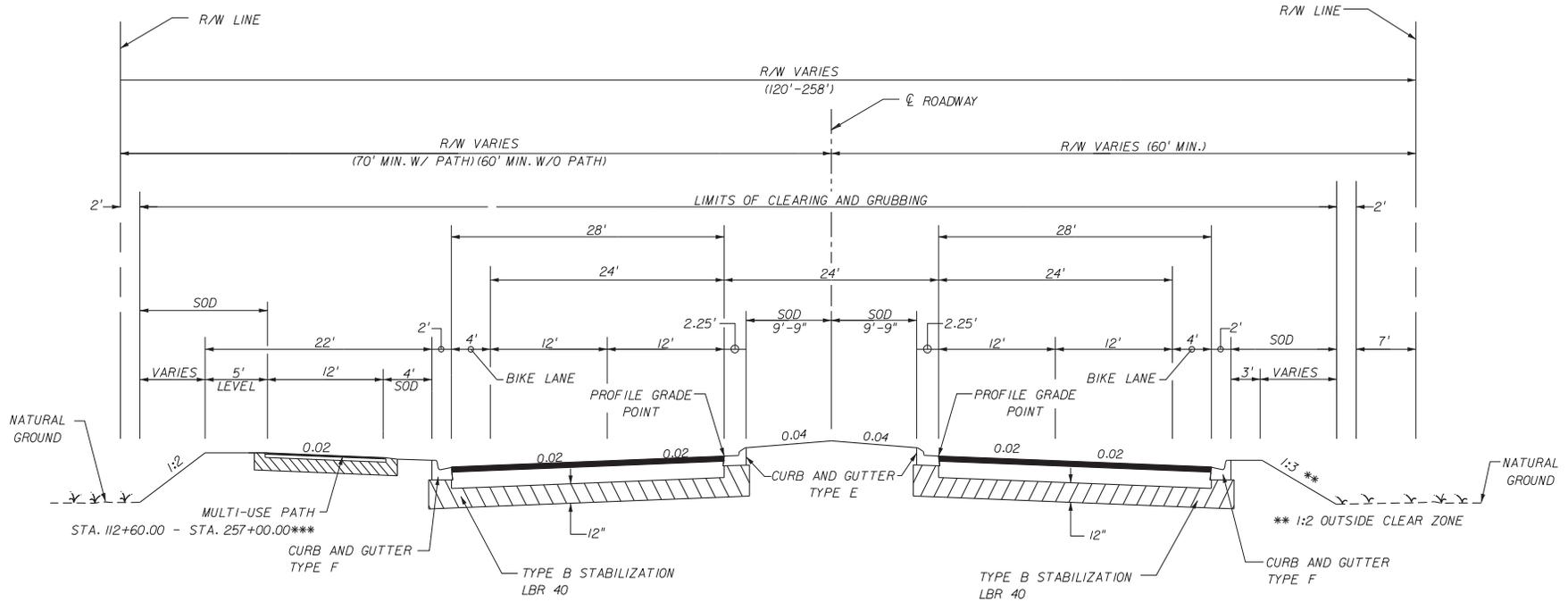
FDOT PROJECT MANAGER: PEGGY KELLEY

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. 483+25 - STA. 505+95

INTERIM:  
STA. 100+00 - STA. 155+00  
STA. 488+00 - STA. 505+95



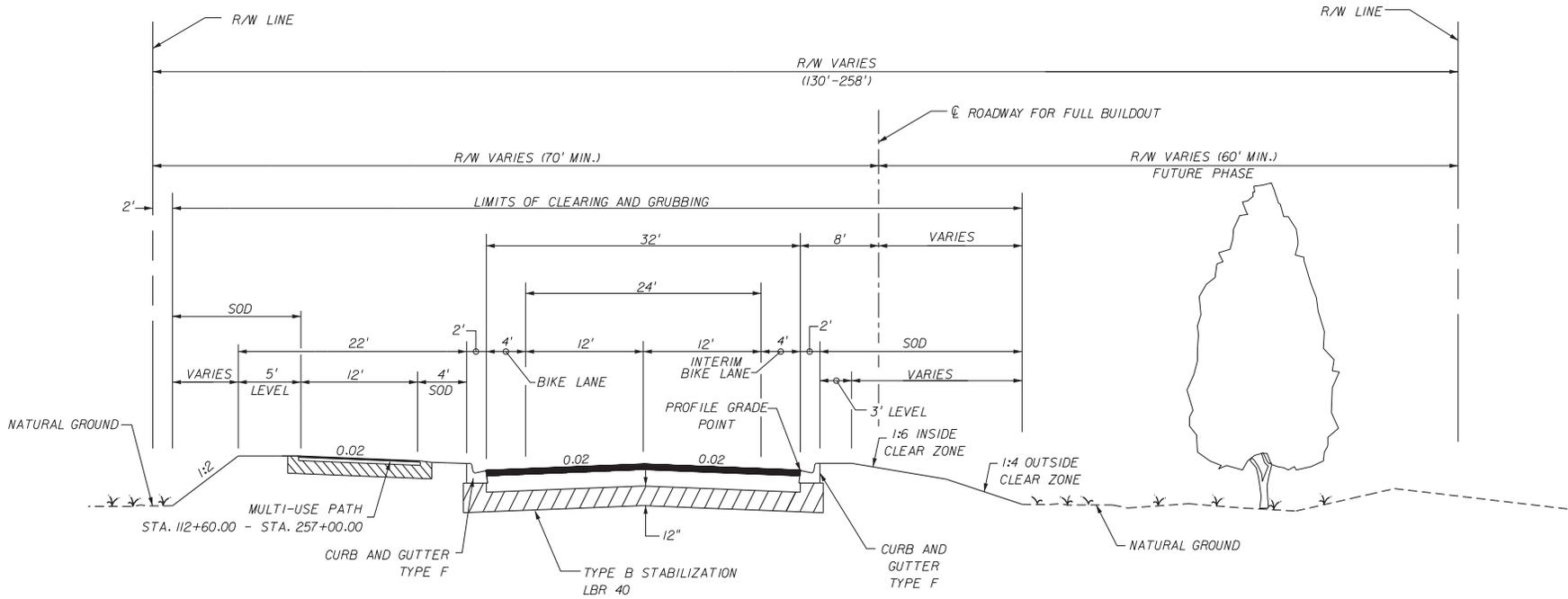
**DESIGN SPEED = 45 MPH**  
**CLEAR ZONE = 24'**

\*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 2</b>	SHEET NO.  2
DATE	DESCRIPTION	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)



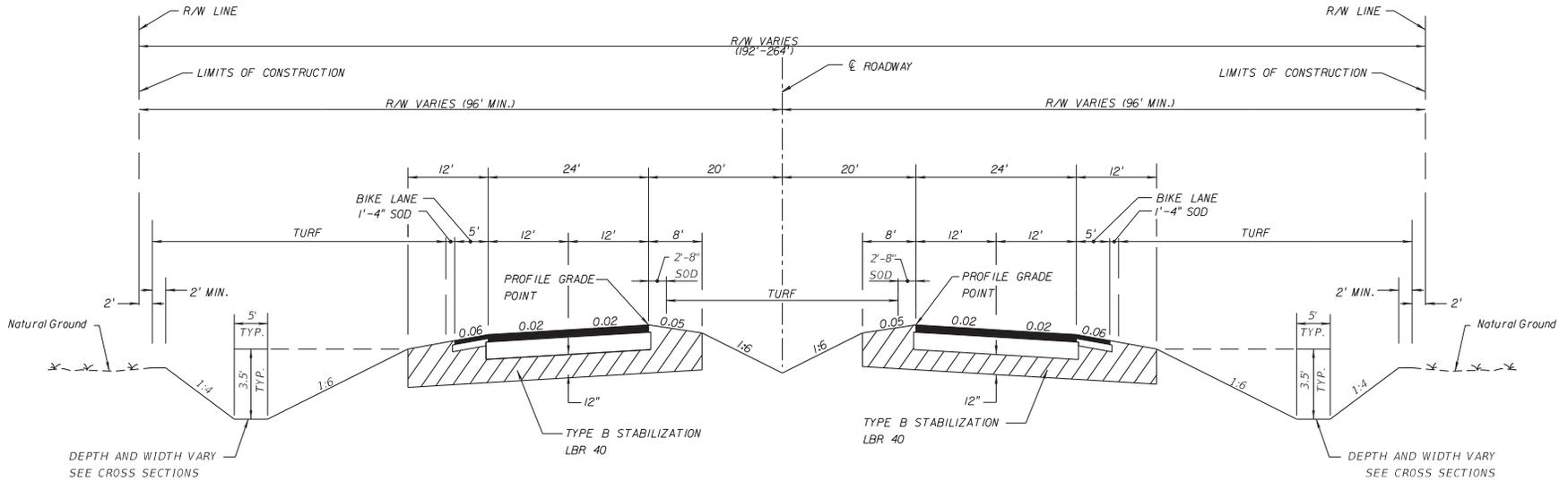
**DESIGN SPEED = 45 MPH**  
**CLEAR ZONE = 24'**

\*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 2</b>	SHEET NO.  3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		

RURAL TYPICAL SECTION  
PROPOSED BUILDOUT NTS.

BUILDOUT: STA. 253+71.75 - STA. 483+25 (INCLUDES CLEAR CREEK BRIDGE)

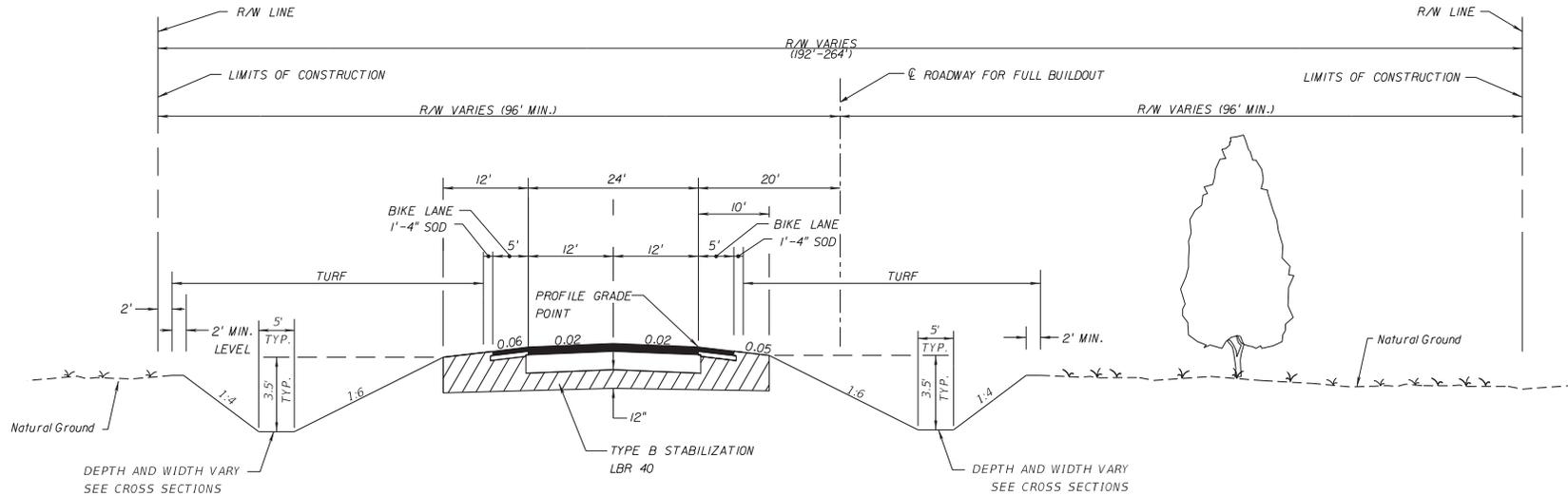


DESIGN SPEED = 65 MPH  
CLEAR ZONE = 36'

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</b> <b>ALIGNMENT 2</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		4
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		

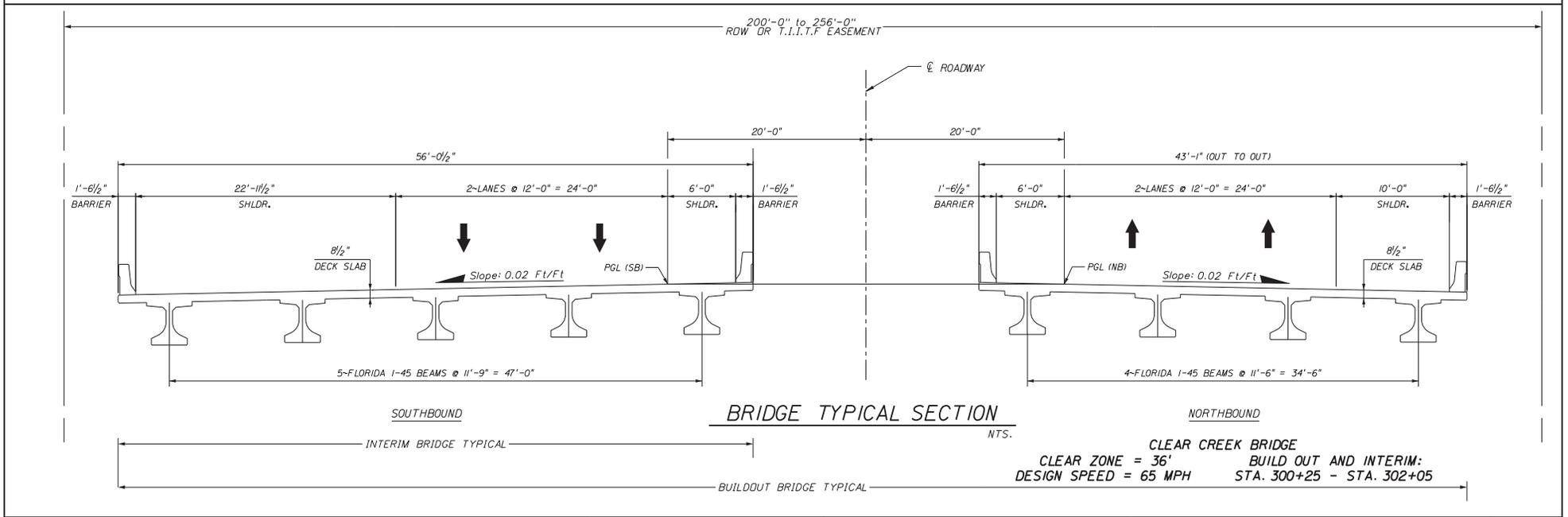
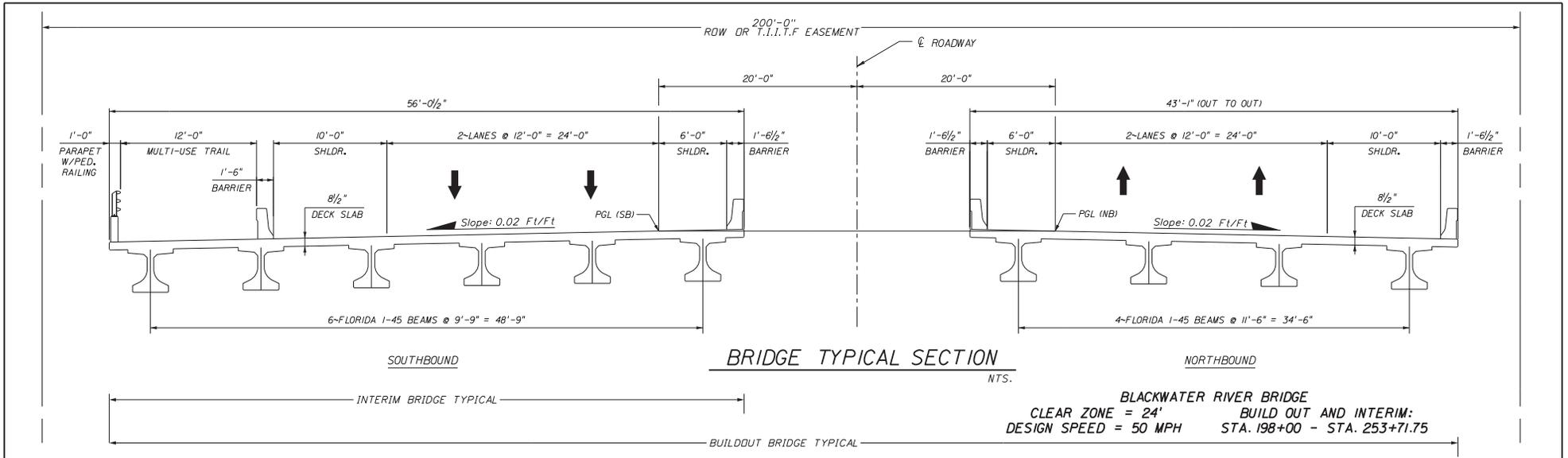
# RURAL TYPICAL SECTION PROPOSED INTERIM NTS.

INTERIM: STA. 253+71.75 - STA. 488+00 (INCLUDES CLEAR CREEK BRIDGE)

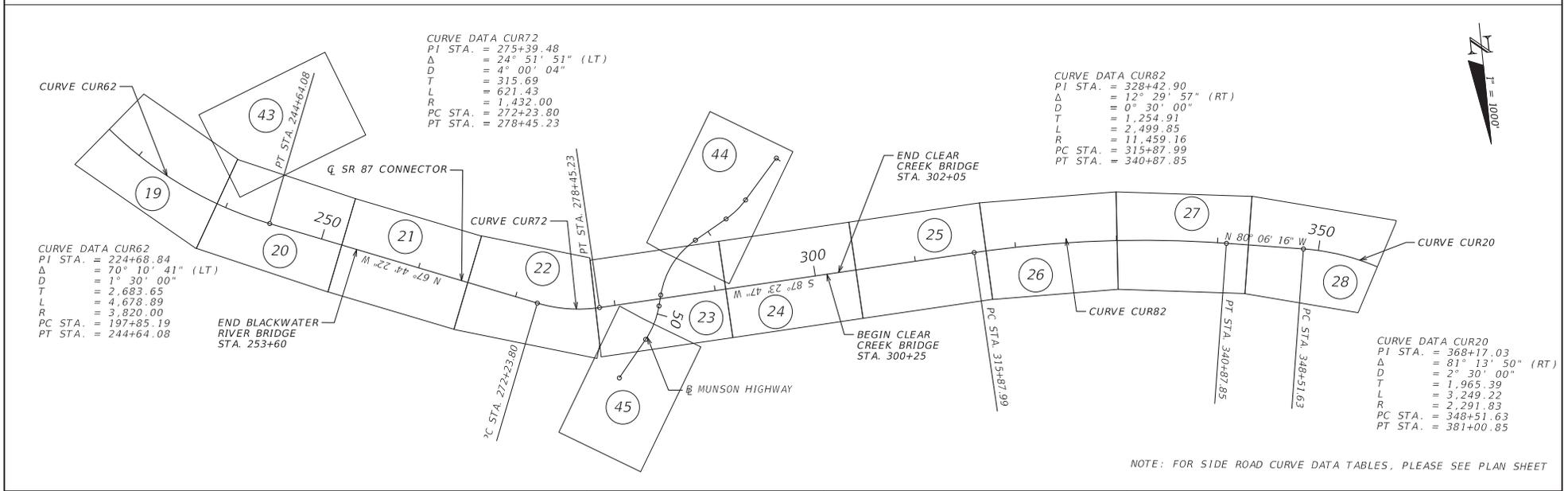
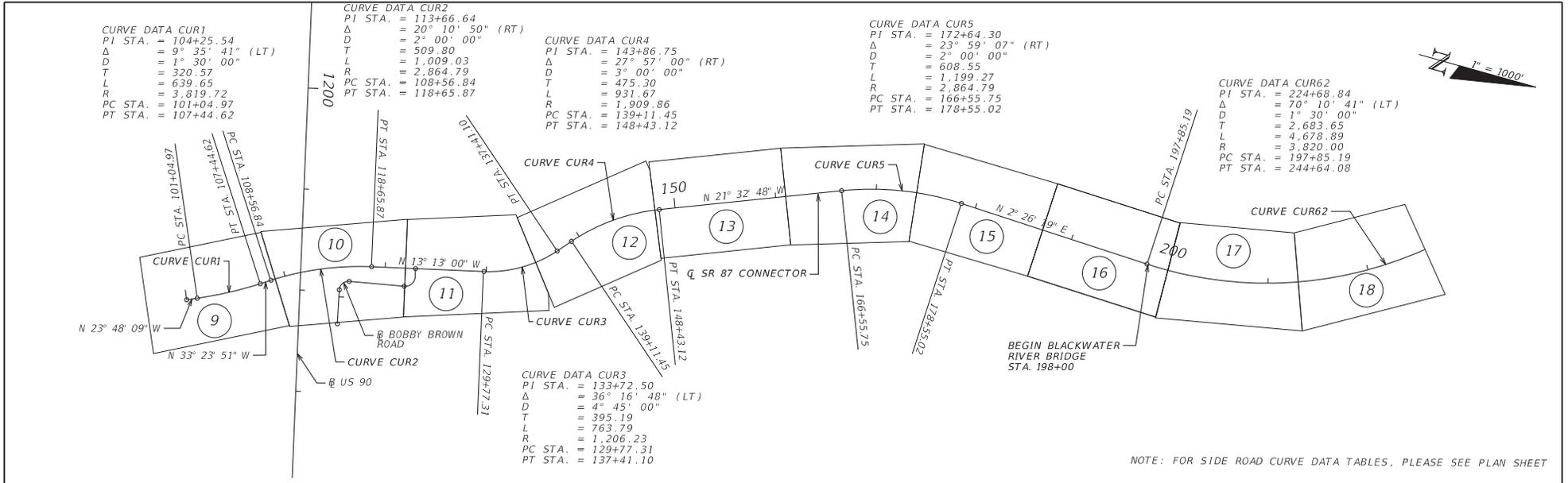


DESIGN SPEED = 65 MPH  
CLEAR ZONE = 36'

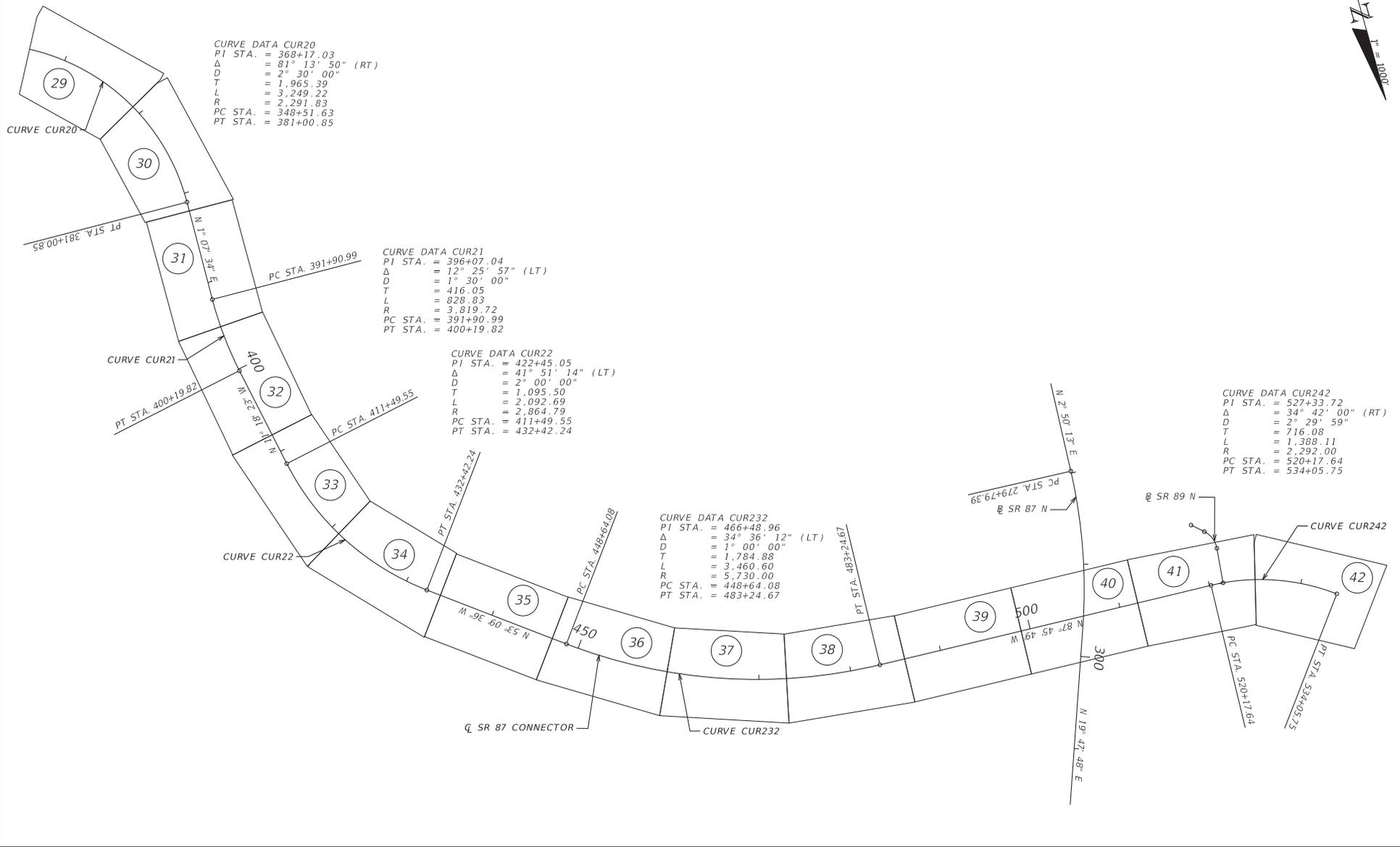
REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TYPICAL SECTION SHEET</b> <b>ALIGNMENT 2</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		5
				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			TYPICAL SECTION SHEET ALIGNMENT 2	SHEET NO. 6
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			PROJECT LAYOUT ALIGNMENT 2	SHEET NO. 7
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			PROJECT LAYOUT ALIGNMENT 2	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



**BEGIN PROJECT  
ALIGNMENT 2  
STA. 100+00.00**

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

CURVE DATA CURI	
PI STA.	= 104+25.54
Δ	= 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

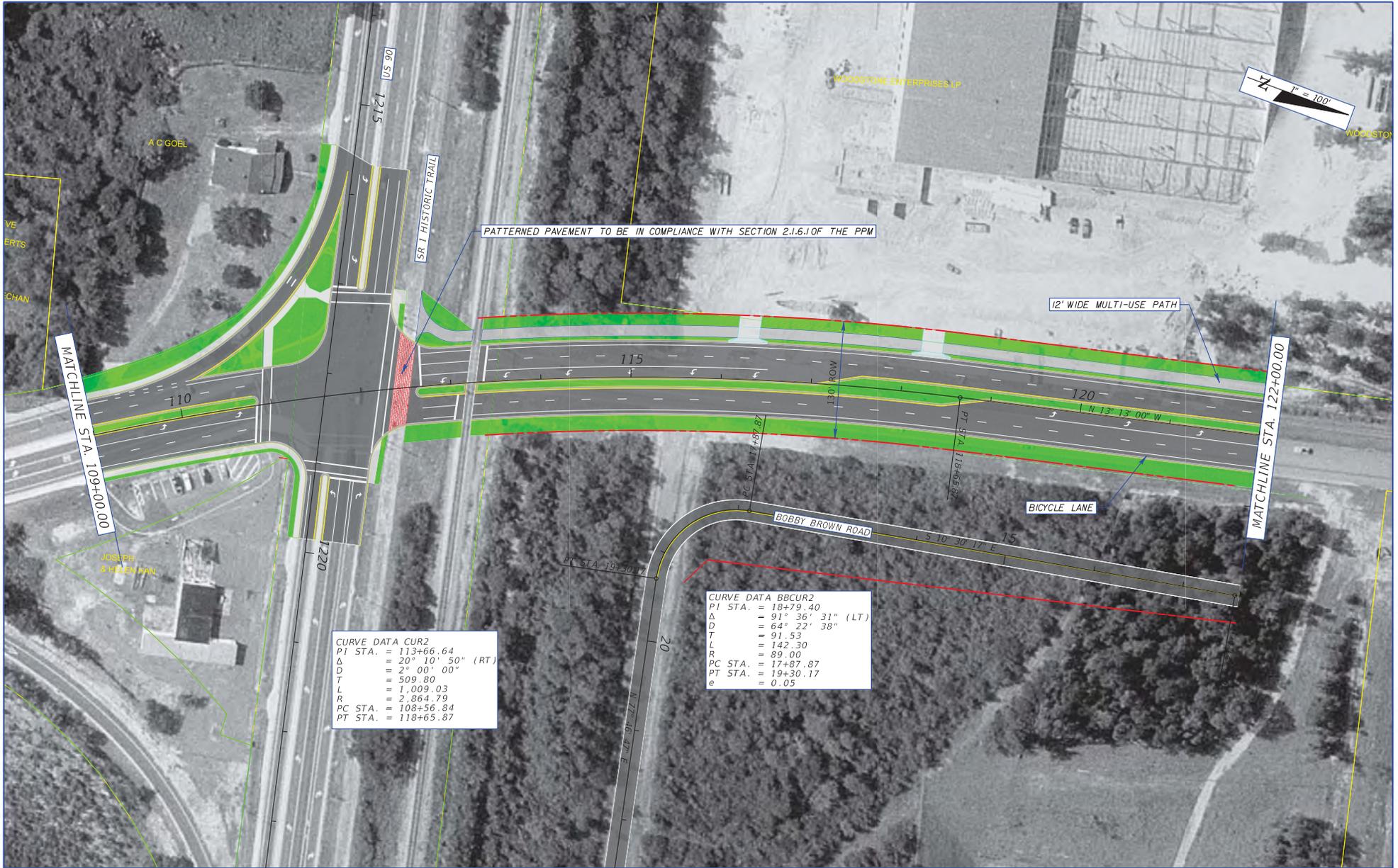
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 2**

SHEET NO.  
**9**



**CURVE DATA CUR2**

PI STA.	= 113+66.64
Δ	= 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
Δ	= 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 2**

SHEET NO.
10



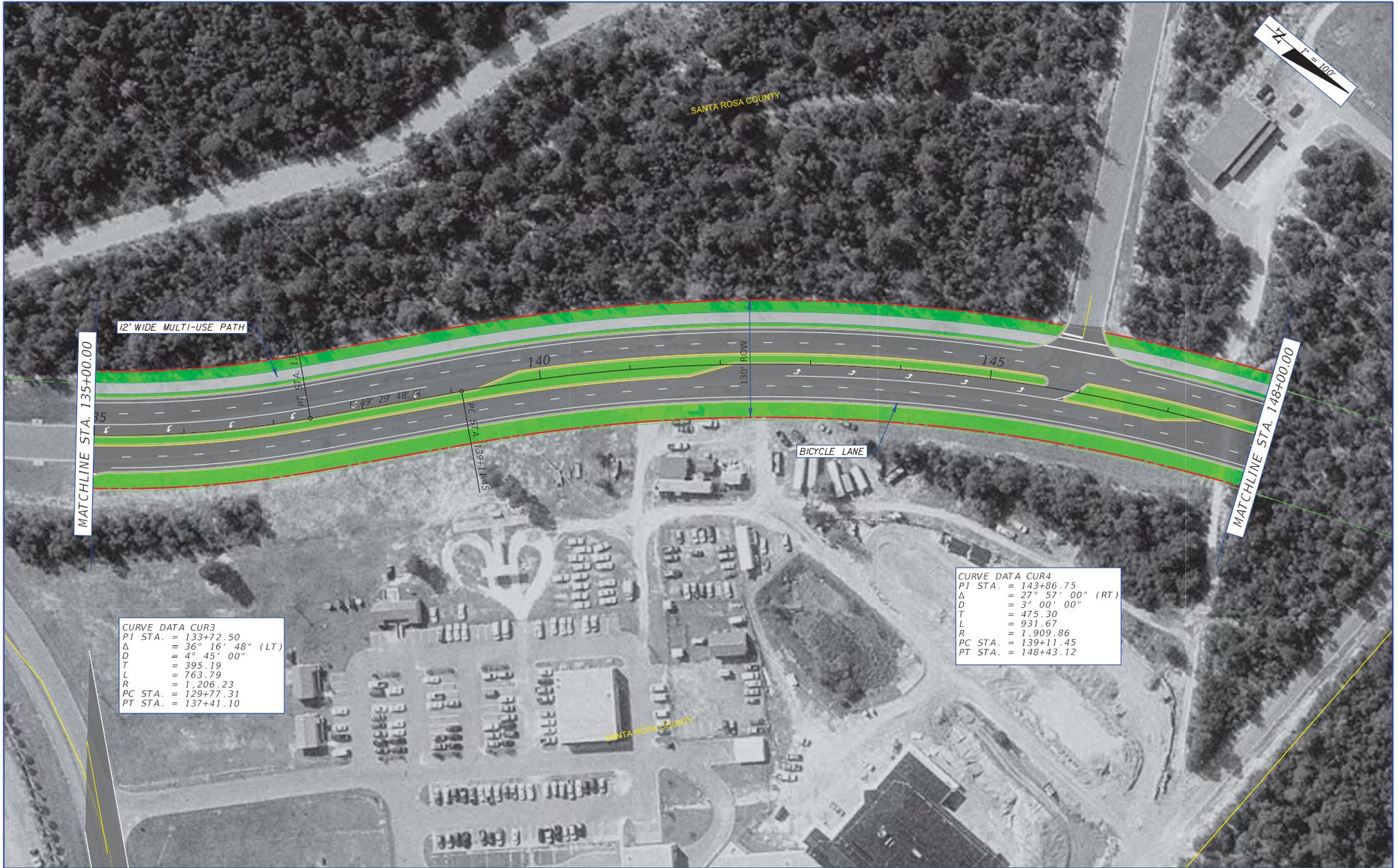
**CURVE DATA BBCUR1**

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

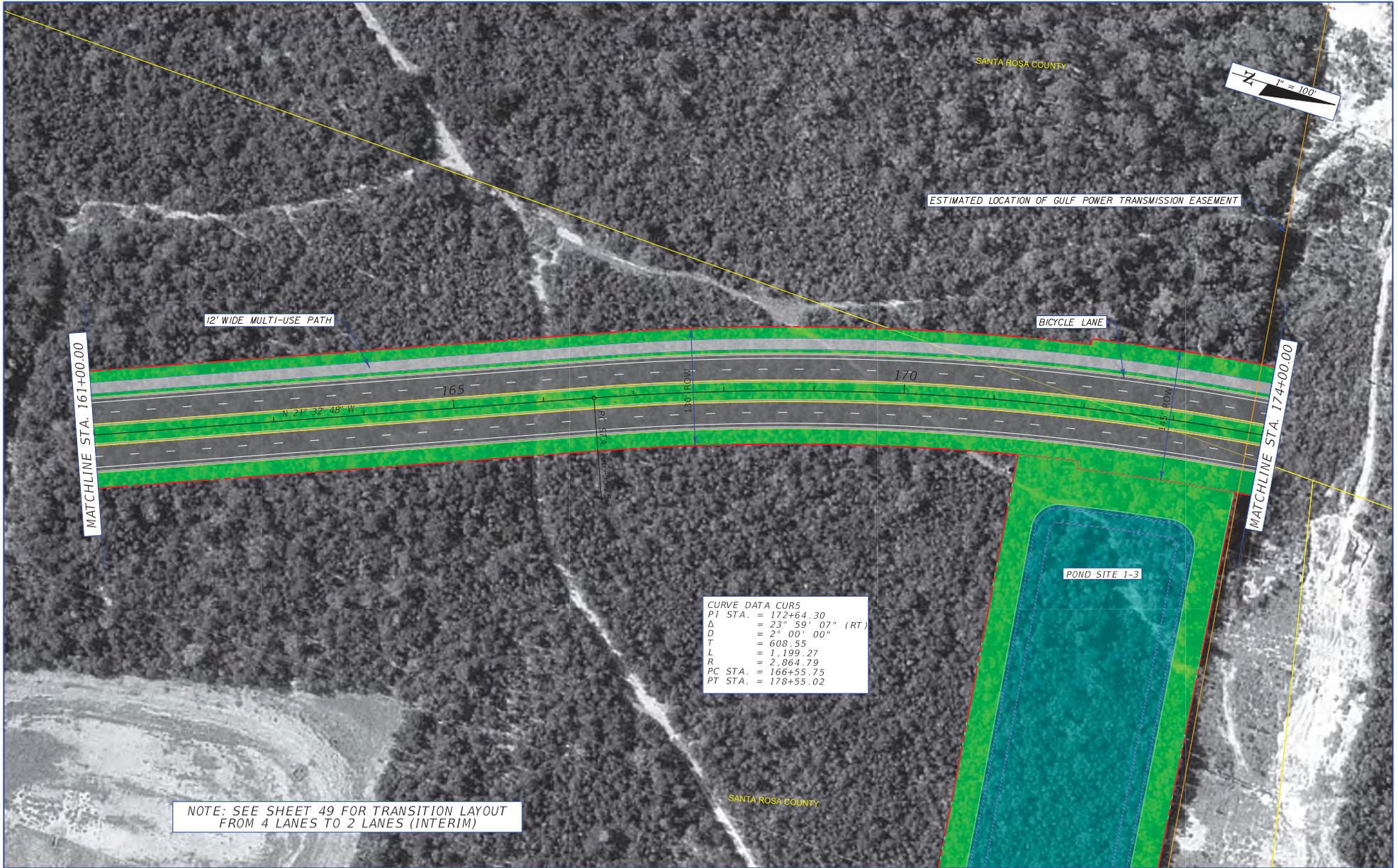
REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO.  11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	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			PLAN SHEET ALIGNMENT 2	SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416749-3-22-01, ETC.		



REVISIONS		DATE	DESCRIPTION	METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 13
DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			

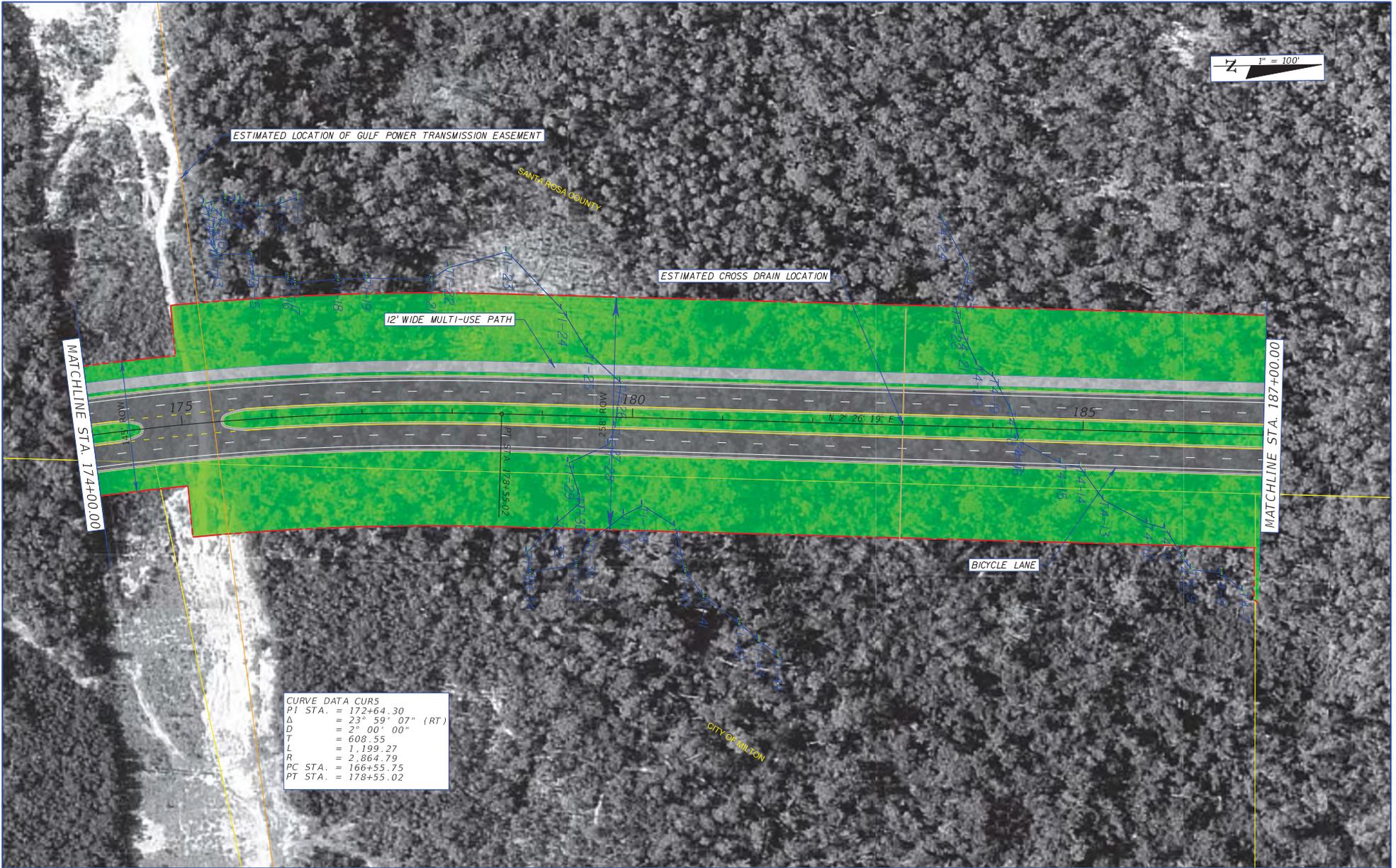


CURVE DATA CURS	
PI STA.	= 172+64.30
$\Delta$	= 23° 59' 07" (RT)
D	= 2° 00' 00"
T	= 608.55
L	= 1,199.27
R	= 2,864.79
PC STA.	= 166+55.75
PT STA.	= 178+55.02

NOTE: SEE SHEET 49 FOR TRANSITION LAYOUT FROM 4 LANES TO 2 LANES (INTERIM)

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		

1" = 100'



REVISIONS	
DATE	DESCRIPTION

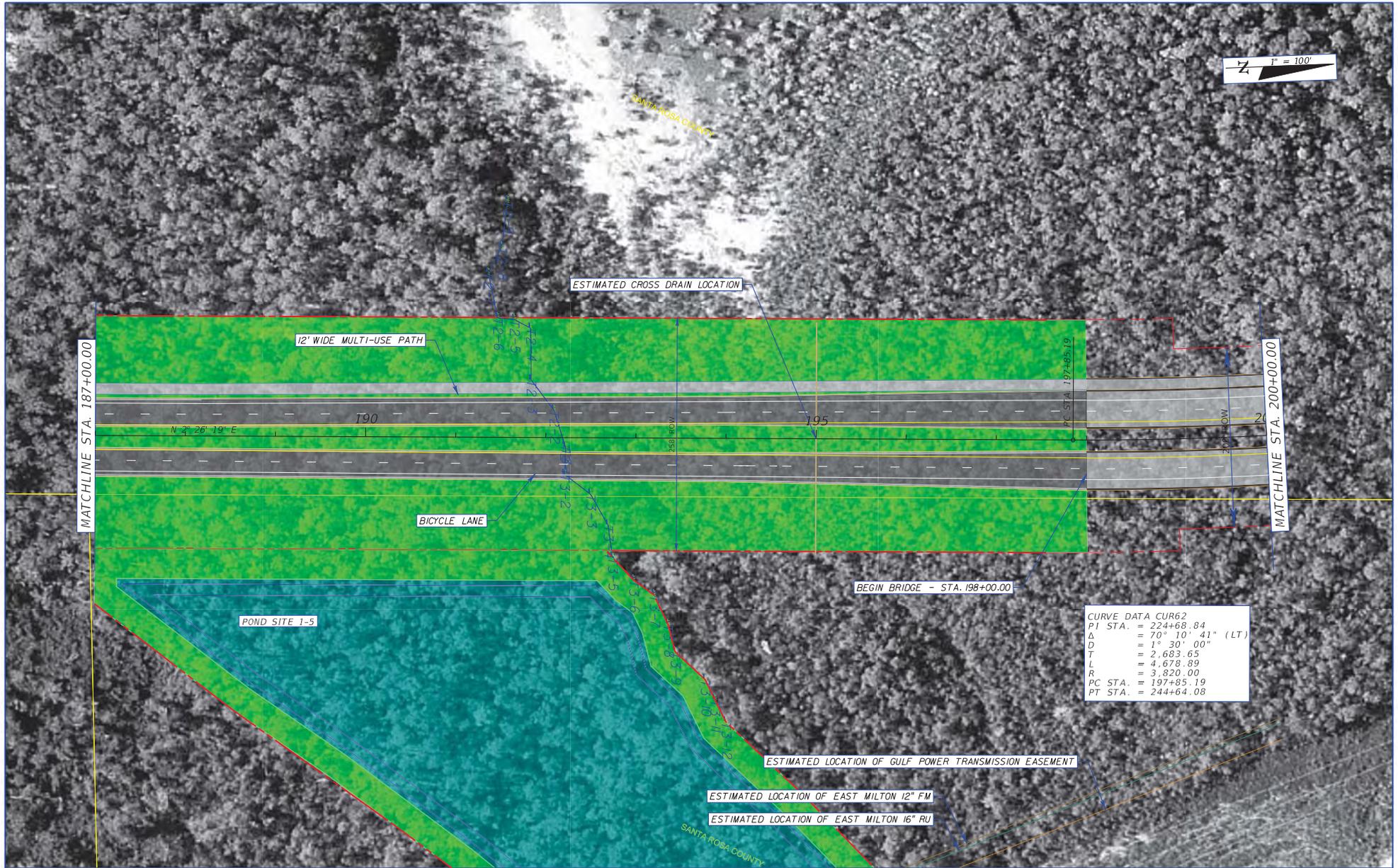
METRIC ENGINEERING, INC.  
 2616 JENKS AVENUE  
 PANAMA CITY, FLORIDA 32405  
 CERTIFICATE OF AUTHORIZATION 00002294

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

**PLAN SHEET  
ALIGNMENT 2**

SHEET NO.  
15

1" = 100'



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

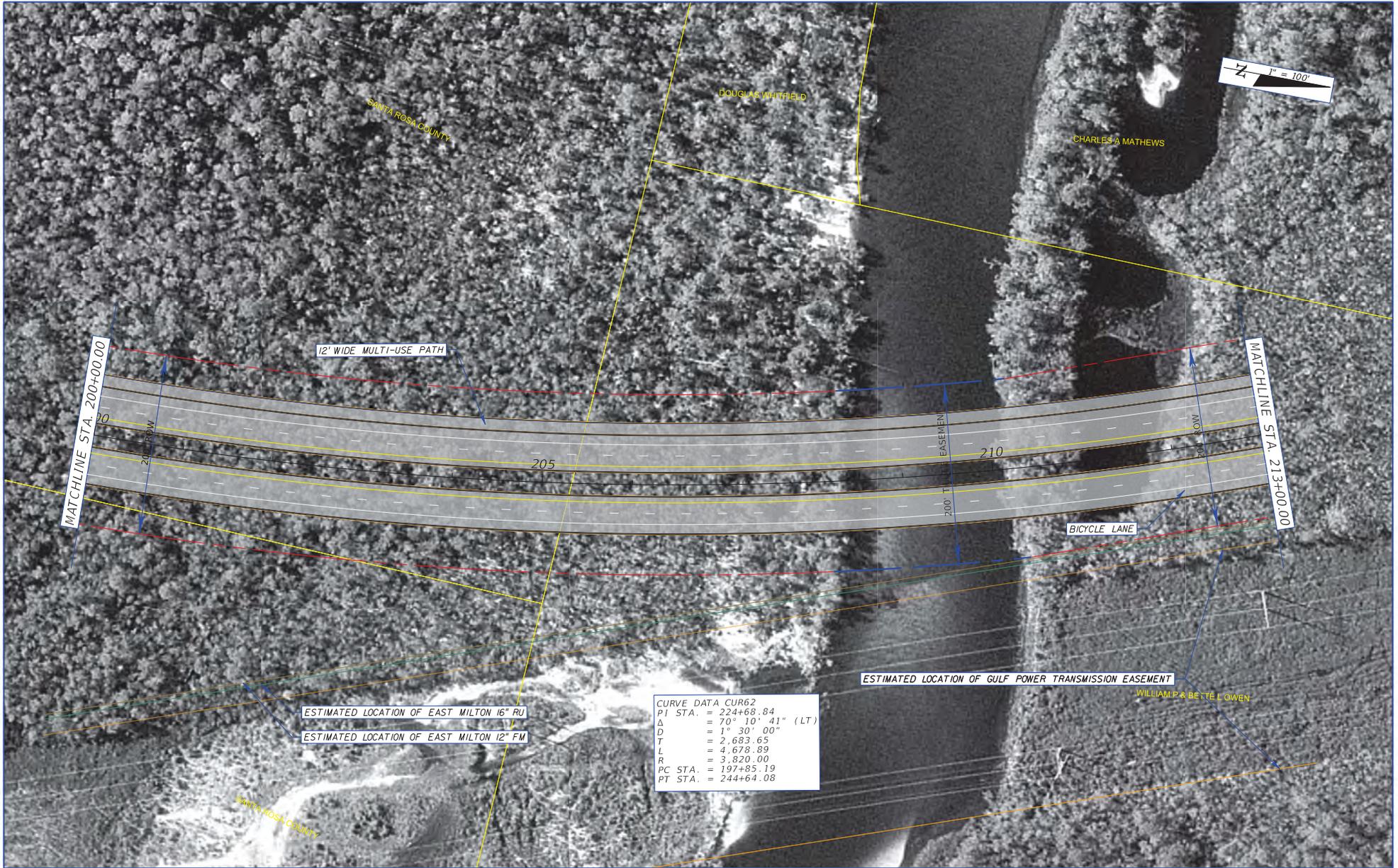
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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	416748-3-22-01, ETC.

**PLAN SHEET  
ALIGNMENT 2**

SHEET NO.  
16



12' WIDE MULTI-USE PATH

MATCHLINE STA. 200+00.00

MATCHLINE STA. 213+00.00

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

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

ESTIMATED LOCATION OF GULF POWER TRANSMISSION EASEMENT

WILLIAMS & BETTEL OWEN

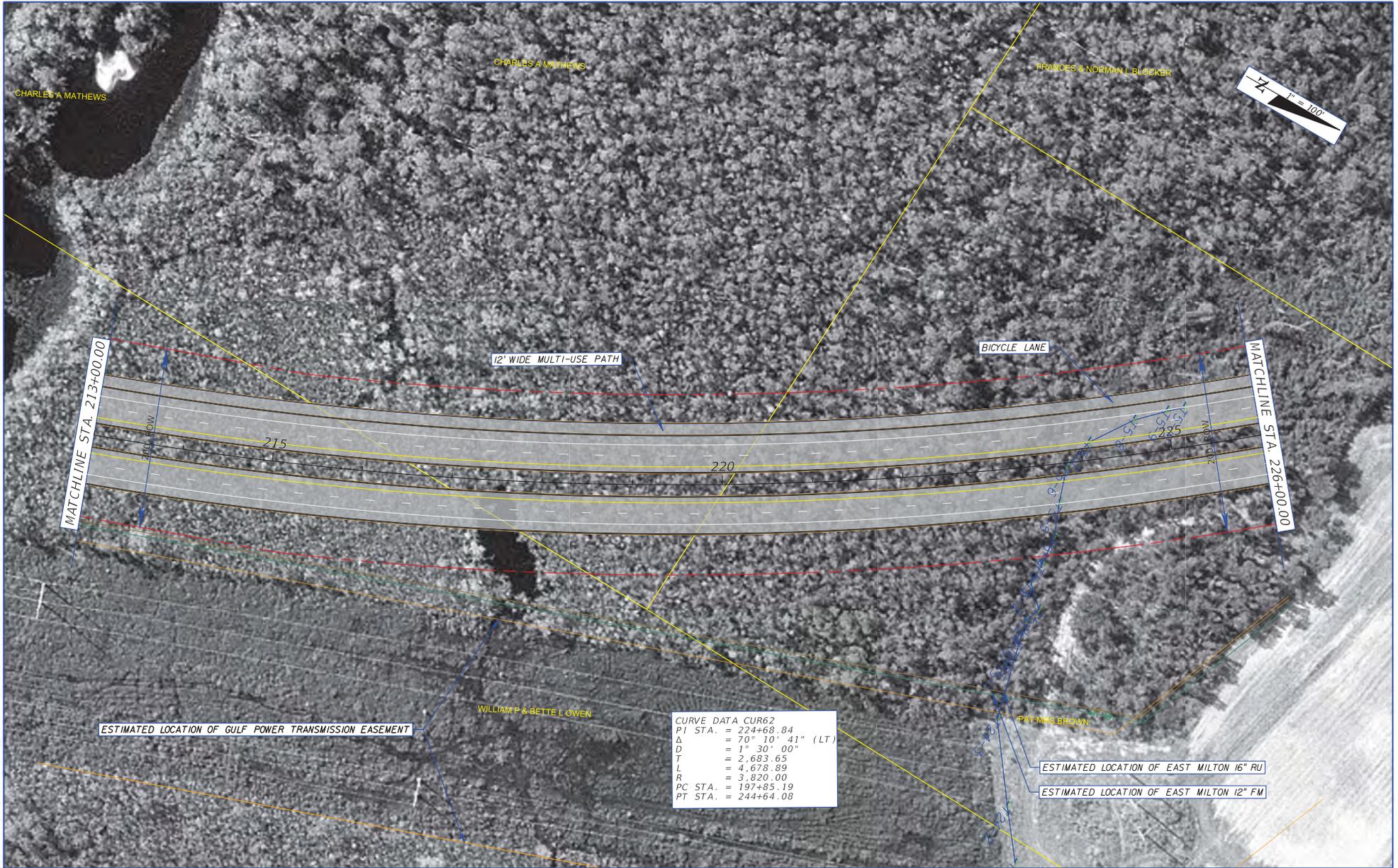
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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.

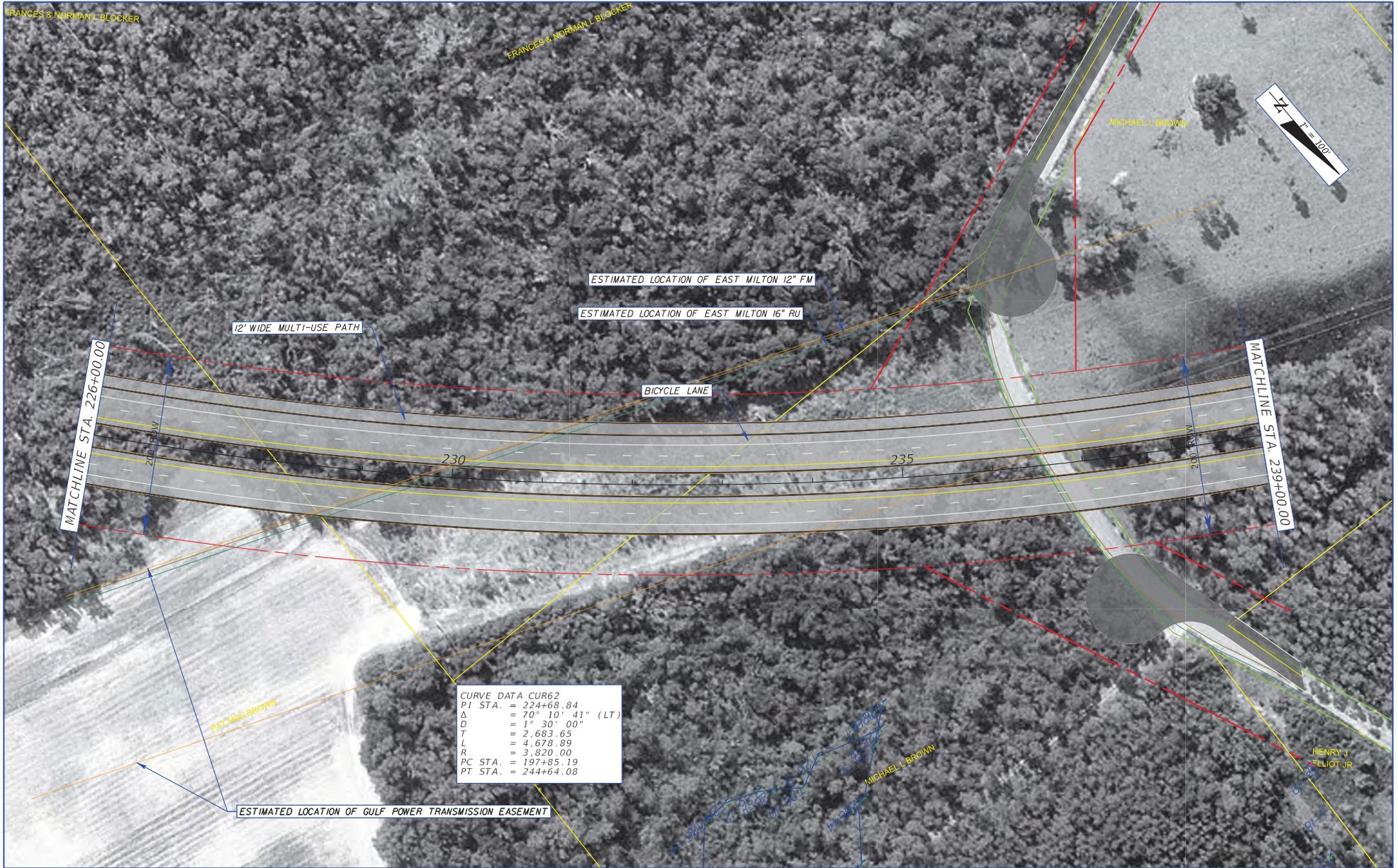
**PLAN SHEET  
ALIGNMENT 2**

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 2	SHEET NO. 18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416749-3-22-01, ETC.			

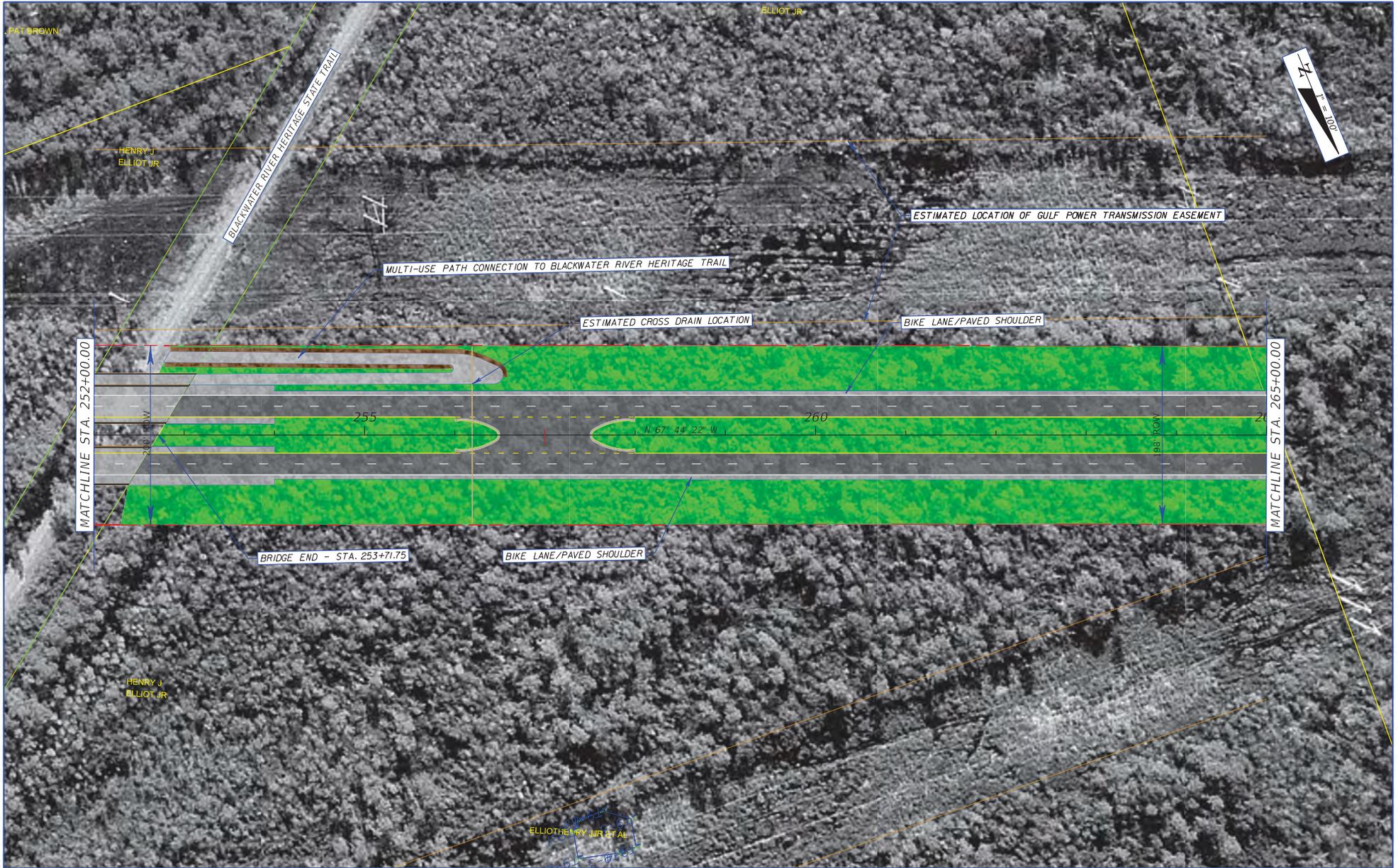


CURVE DATA CUR62  
 PI STA. = 224+68.84  
 $\Delta$  = 70° 10' 41" (LT)  
 D = 1° 30' 00"  
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 L = 4,678.89  
 R = 3,820.00  
 PC STA. = 197+85.19  
 PT STA. = 244+64.08

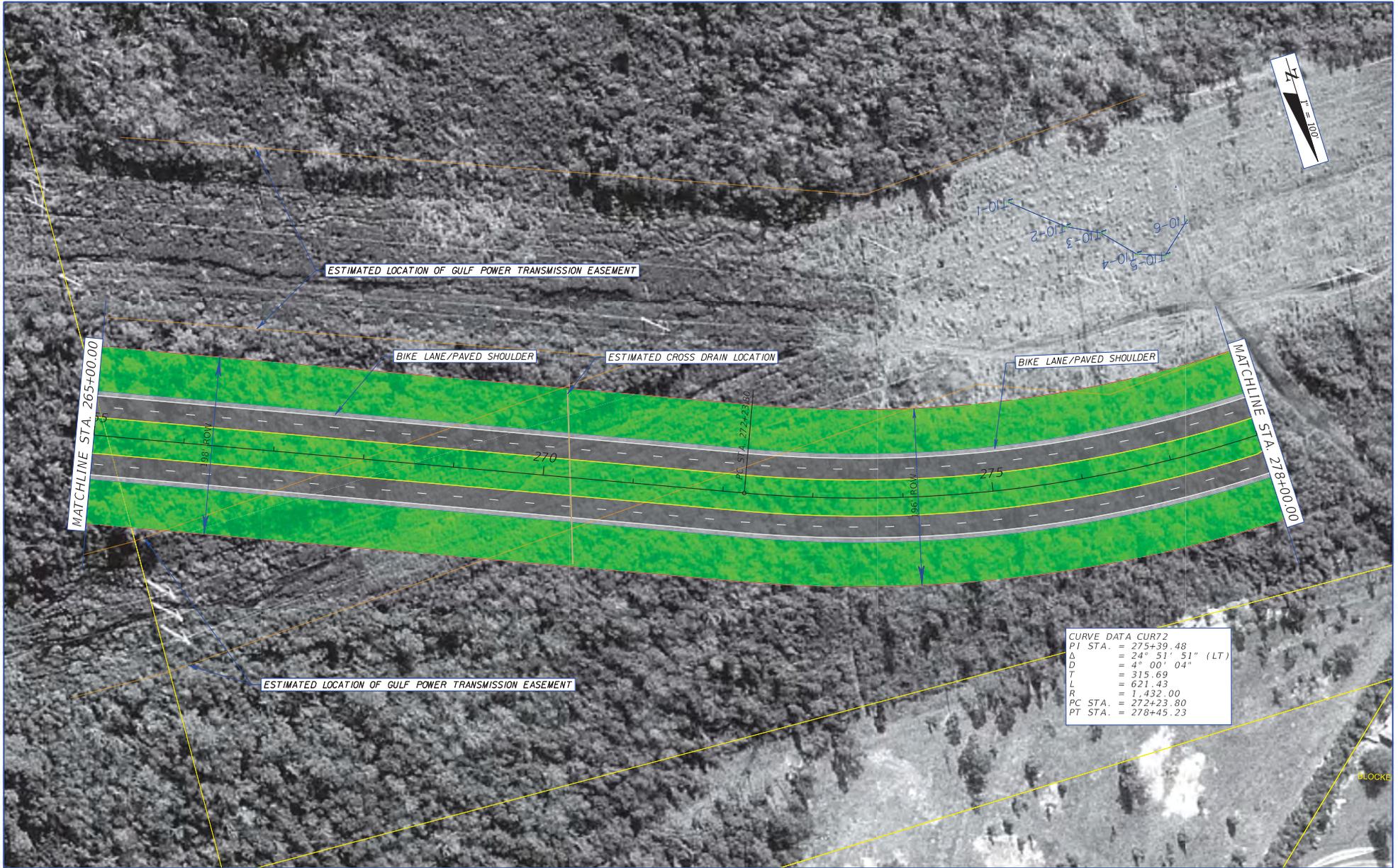
REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 19
DATE	DESCRIPTION	DATE	DESCRIPTION	FINANCIAL PROJECT ID		
				SR 87	416748-3-22-01, ETC.	
METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294				SANTA ROSA		



REVISIONS		METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		PLAN SHEET ALIGNMENT 2	SHEET NO. 20
DATE	DESCRIPTION		ROAD NO.	COUNTY		
			SR 87	SANTA ROSA	416748-3-22-01, ETC.	

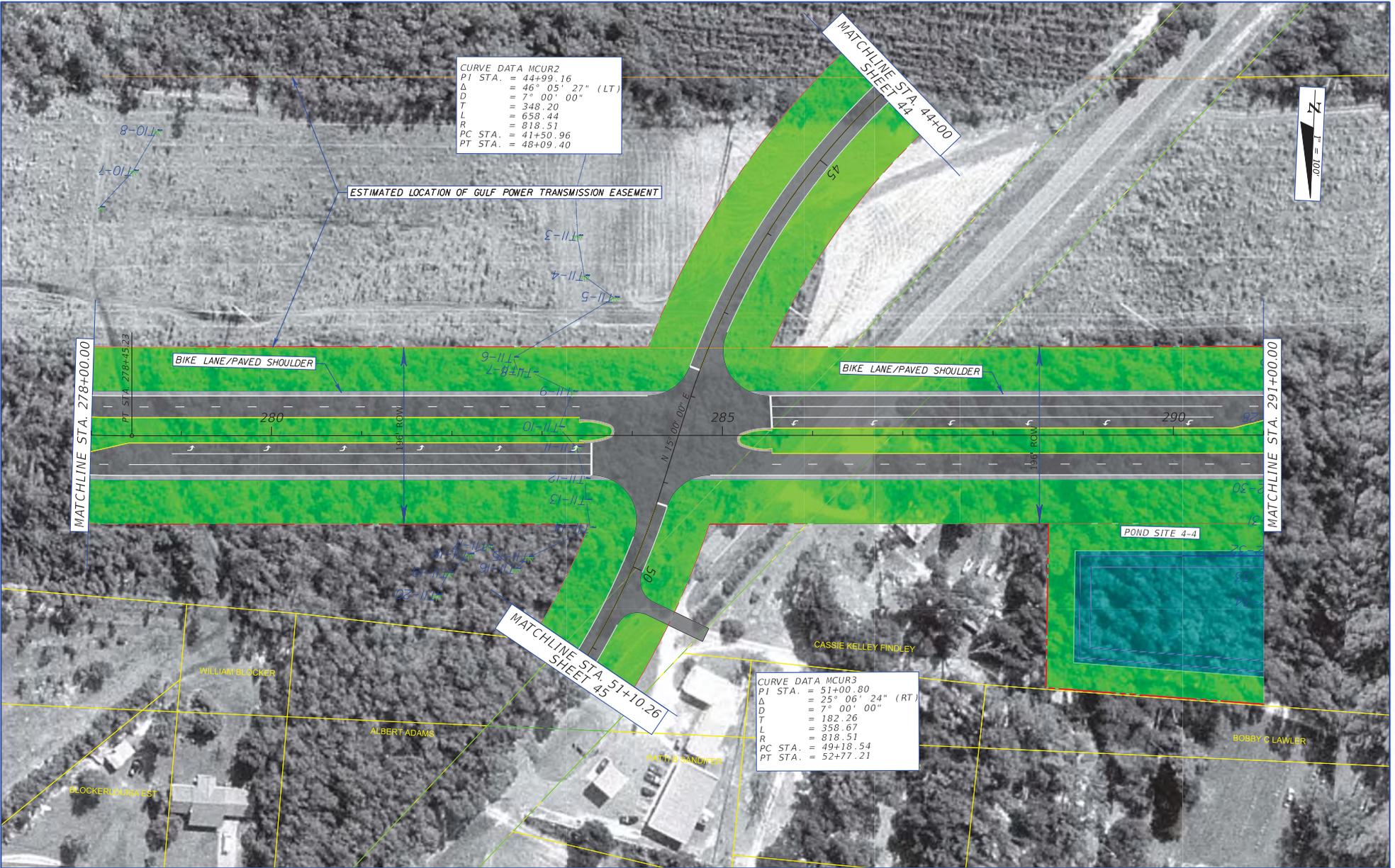


REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416749-3-22-01, 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				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



**CURVE DATA MCUR2**  
 PI STA. = 44+99.16  
 $\Delta$  = 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

**CURVE DATA MCUR3**  
 PI STA. = 51+00.80  
 $\Delta$  = 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

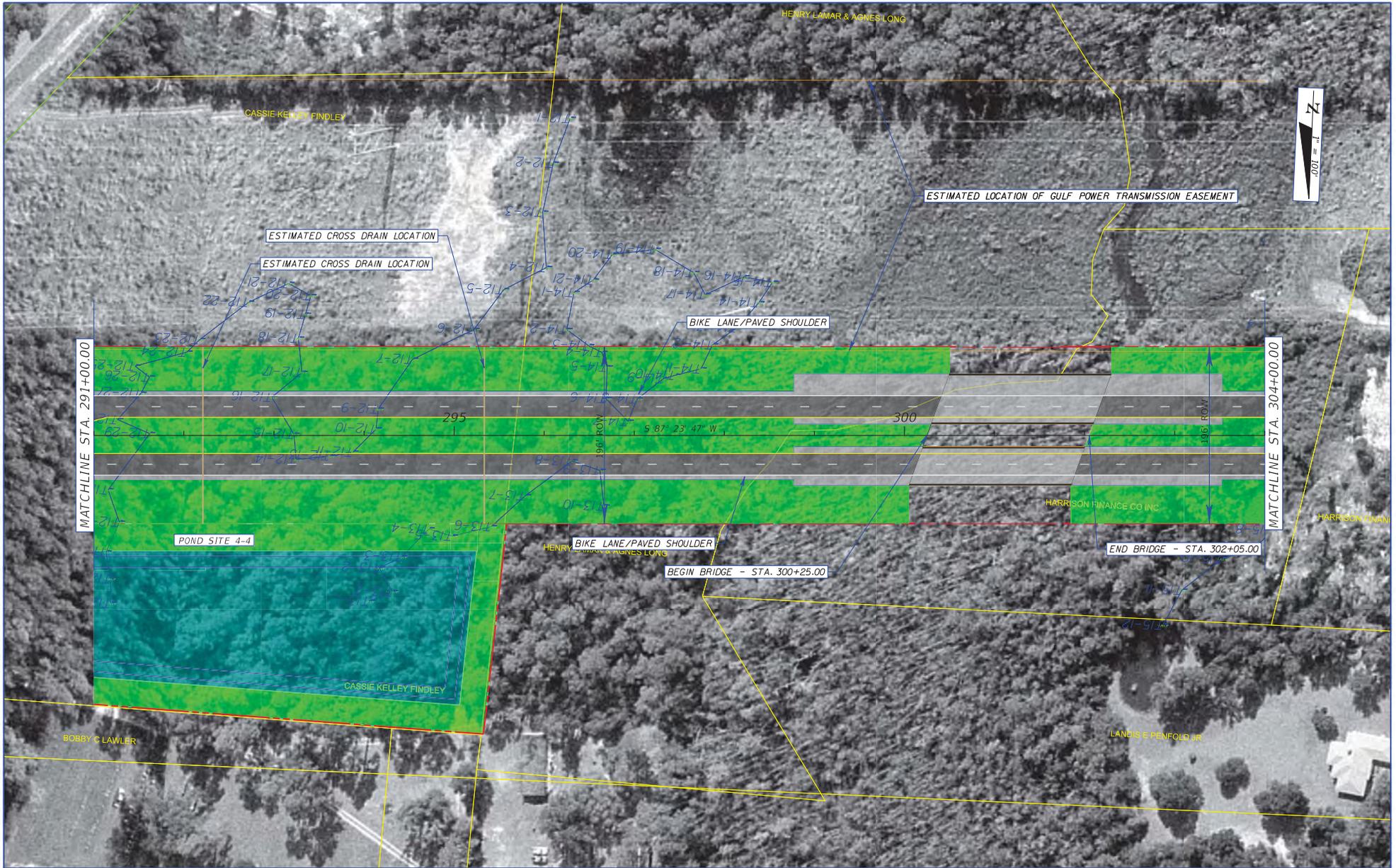
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 2**

SHEET NO.  
23



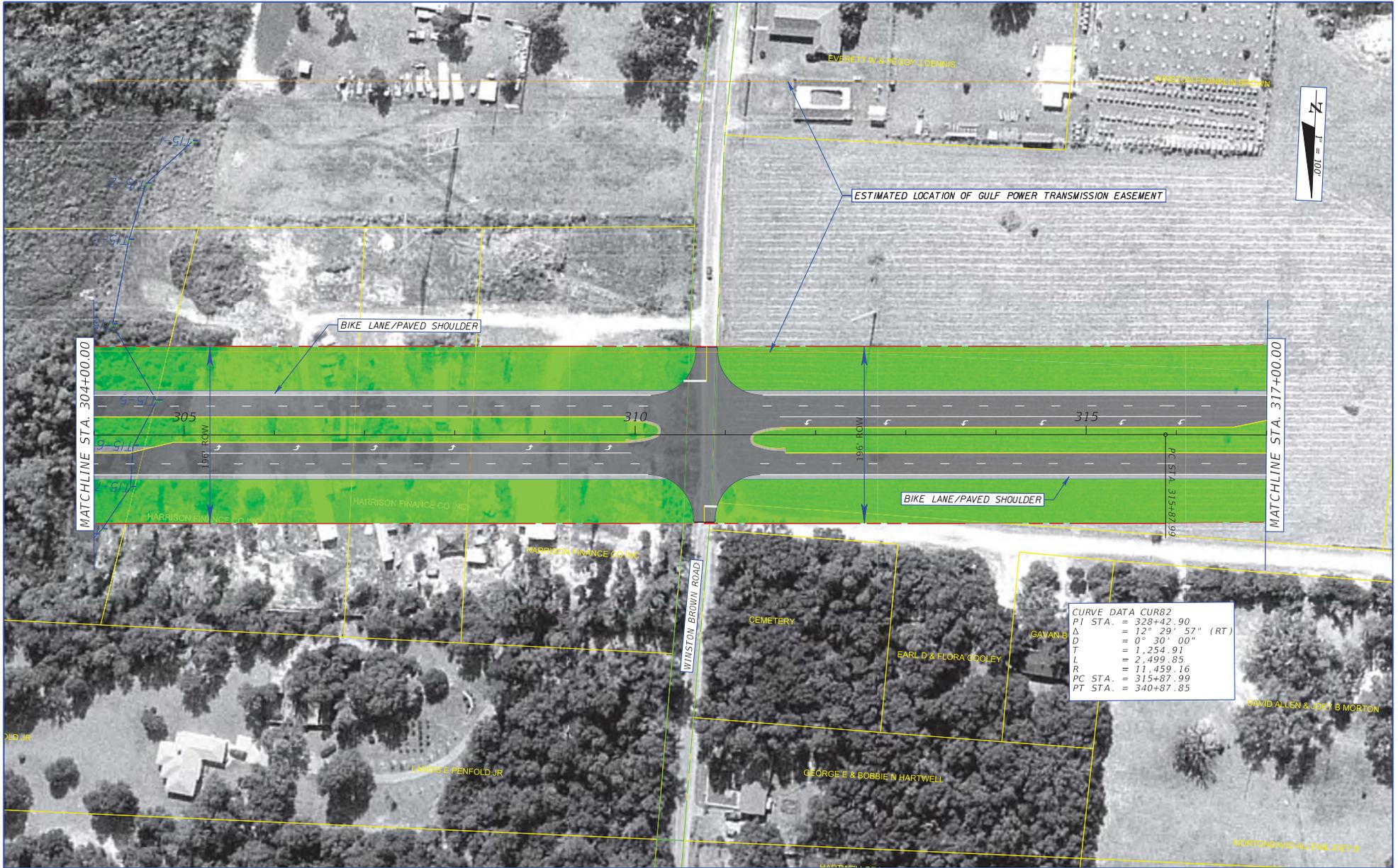
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

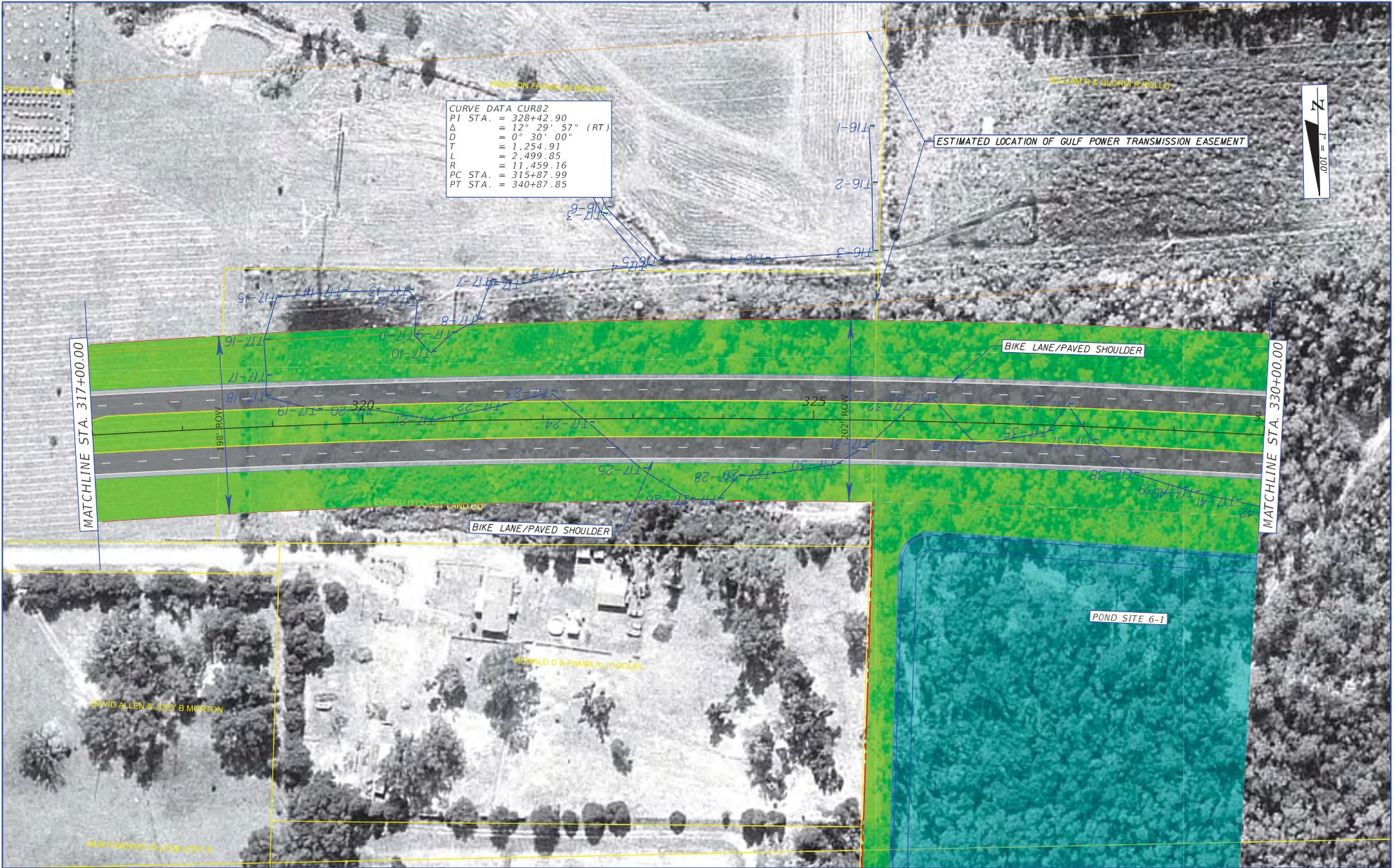
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

**PLAN SHEET  
ALIGNMENT 2**

SHEET NO.
24



REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 25
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



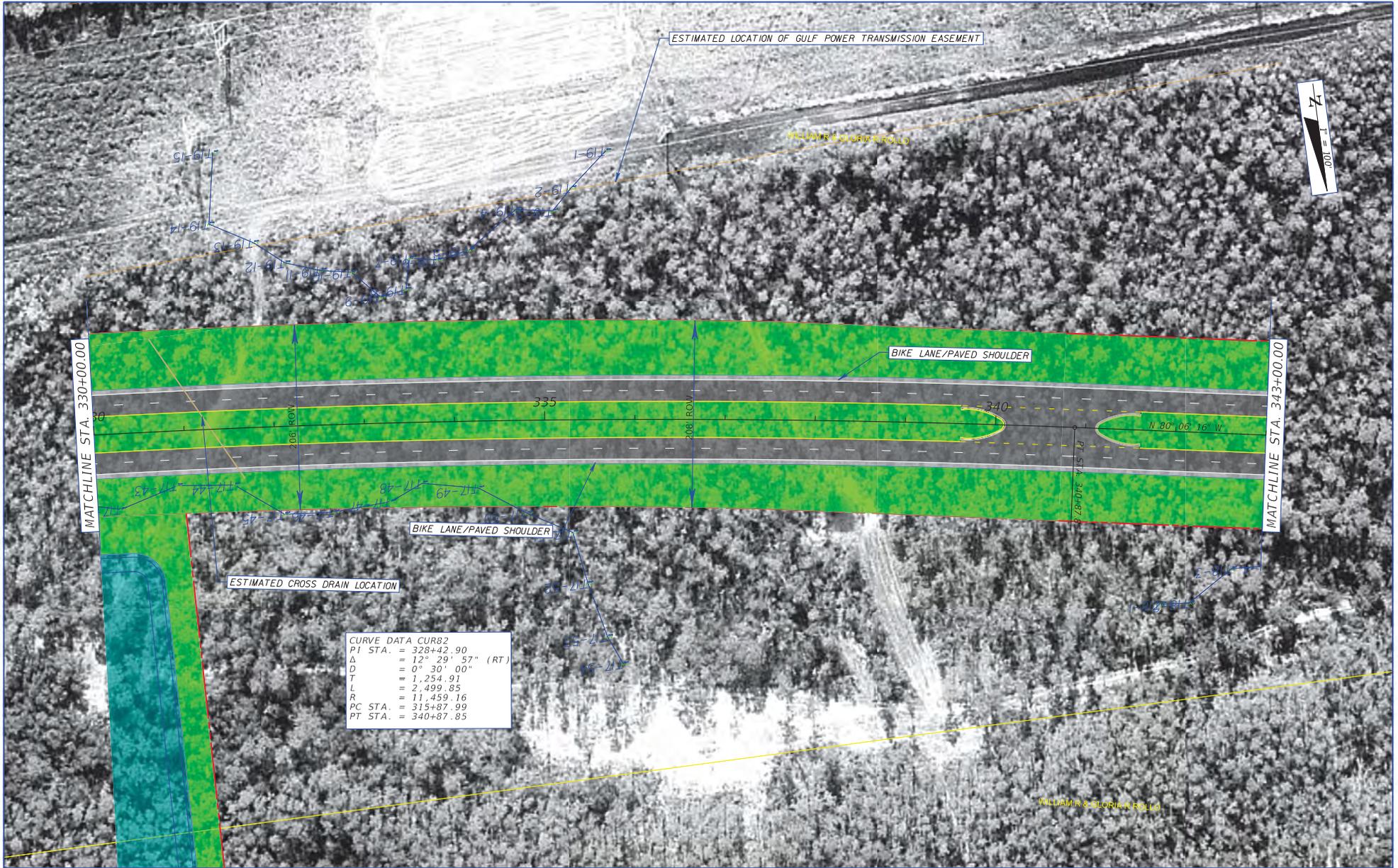
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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.

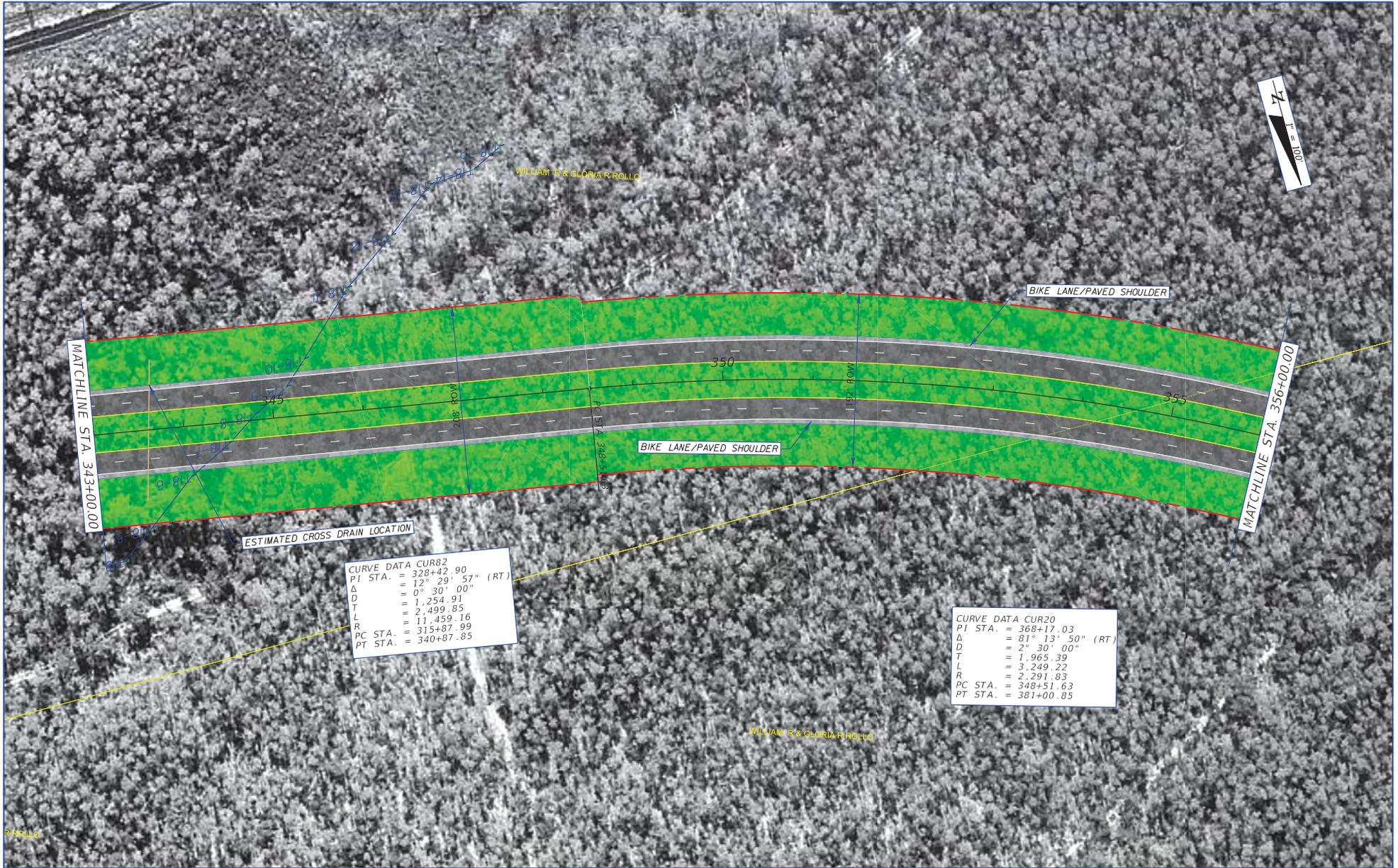
**PLAN SHEET  
ALIGNMENT 2**

SHEET NO.
26

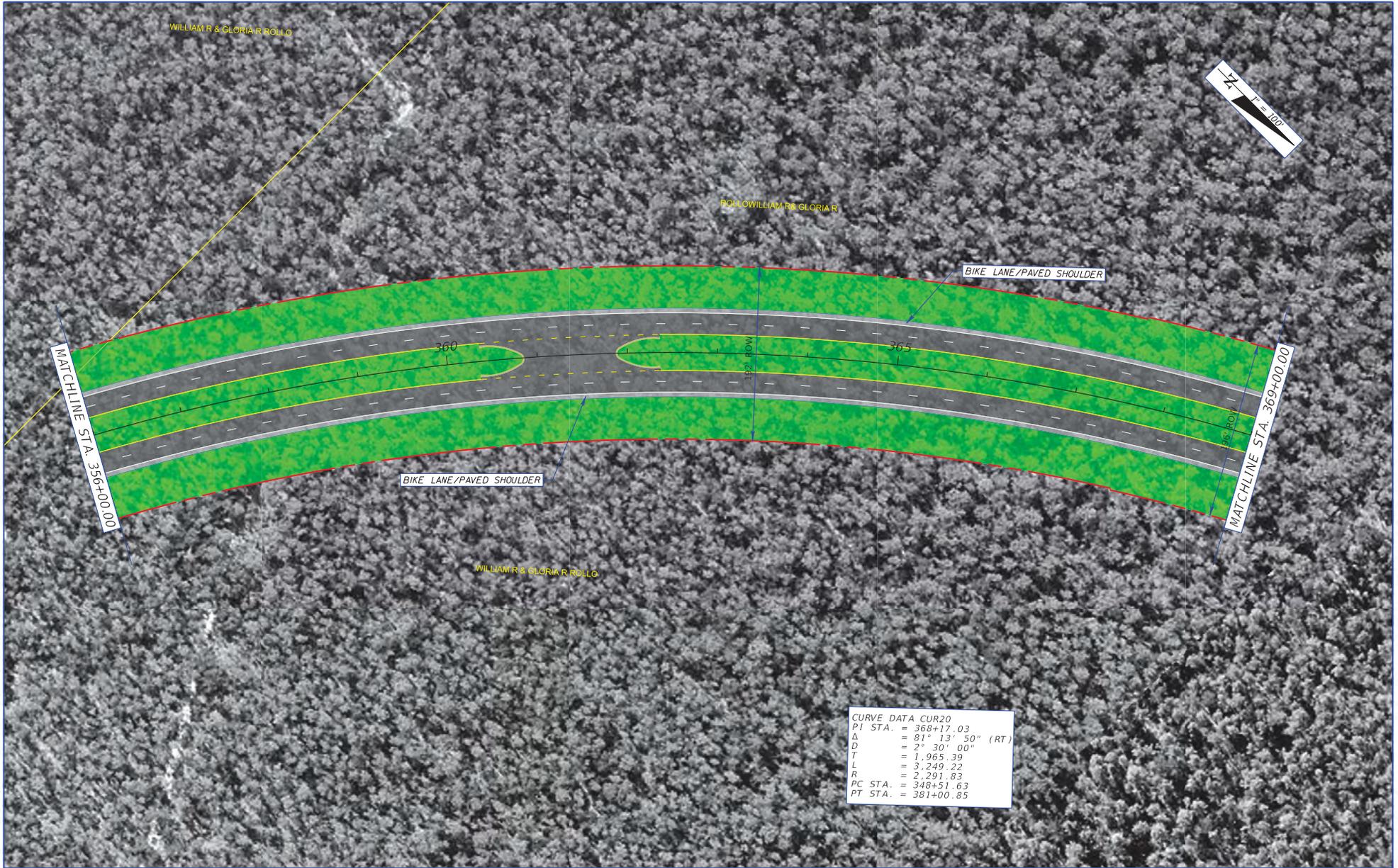


CURVE DATA CUR82	
PI STA.	= 328+42.90
$\Delta$	= 12° 29' 57" (RT)
D	= 0° 30' 00"
T	= 1,254.91
L	= 2,499.85
R	= 11,459.16
PC STA.	= 315+87.99
PT STA.	= 340+87.85

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			

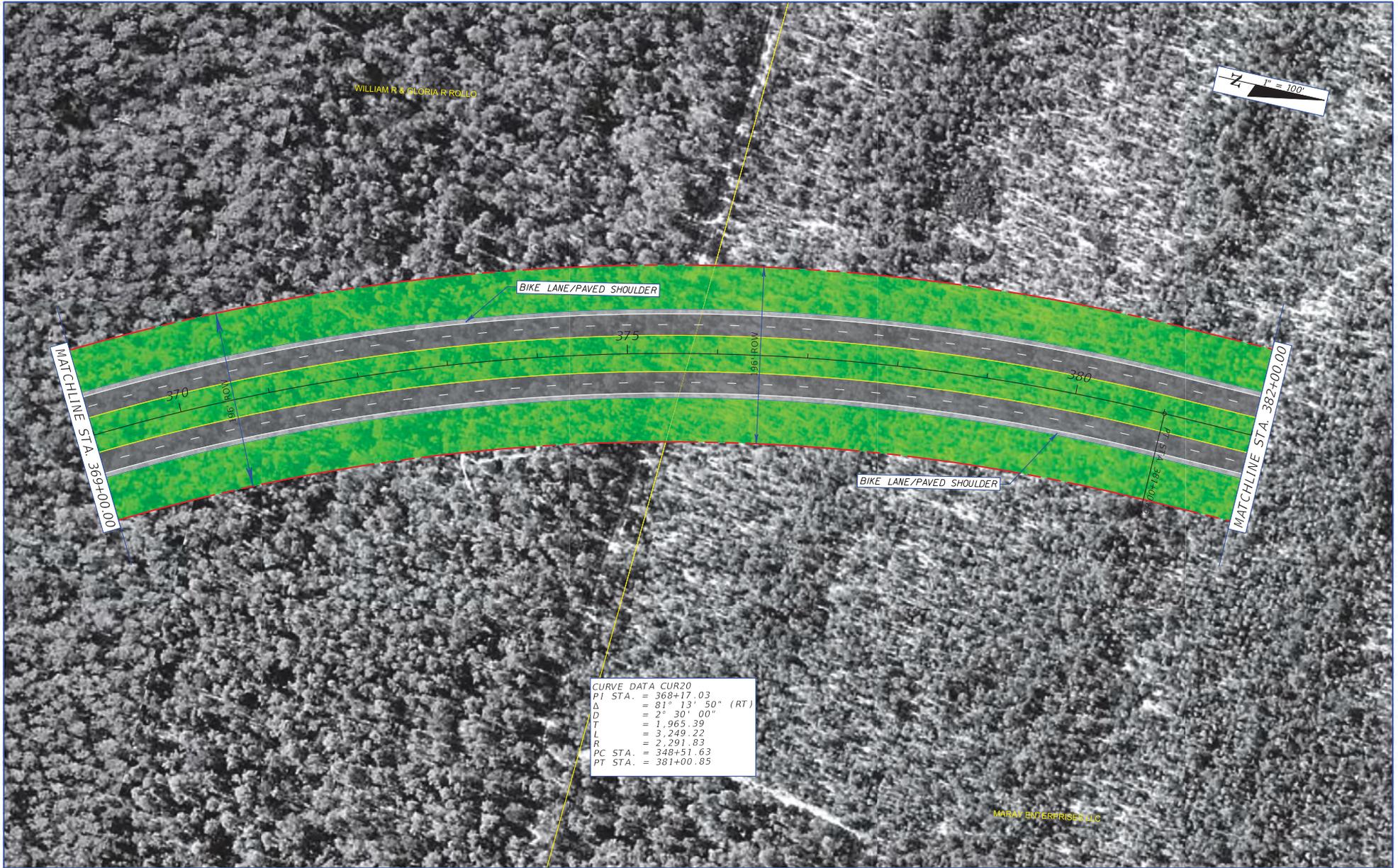


REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 28
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



CURVE DATA CUR20	
PI STA.	= 368+17.03
Δ	= 81° 13' 50" (RT)
D	= 2° 30' 00"
T	= 1,965.39
L	= 3,249.22
R	= 2,291.83
PC STA.	= 348+51.63
PT STA.	= 381+00.85

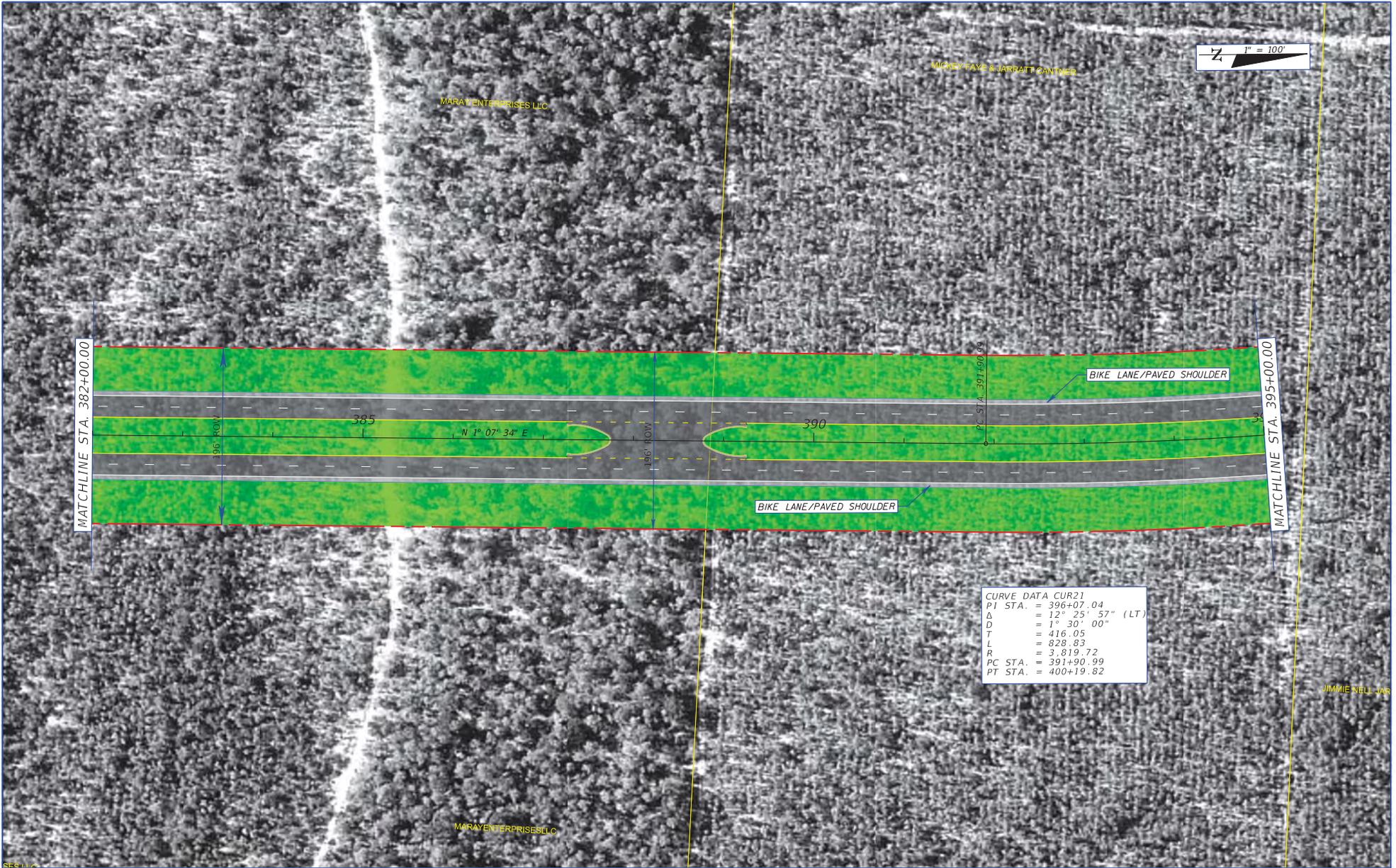
REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>PLAN SHEET ALIGNMENT 2</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		29
					SR 87	SANTA ROSA	416749-3-22-01, ETC.		



CURVE DATA CUR20  
 P1 STA. = 368+17.03  
 Δ = 81° 13' 50" (RT)  
 D = 2° 30' 00"  
 T = 1,965.39  
 L = 3,249.22  
 R = 2,291.83  
 PC STA. = 348+51.63  
 PT STA. = 381+00.85

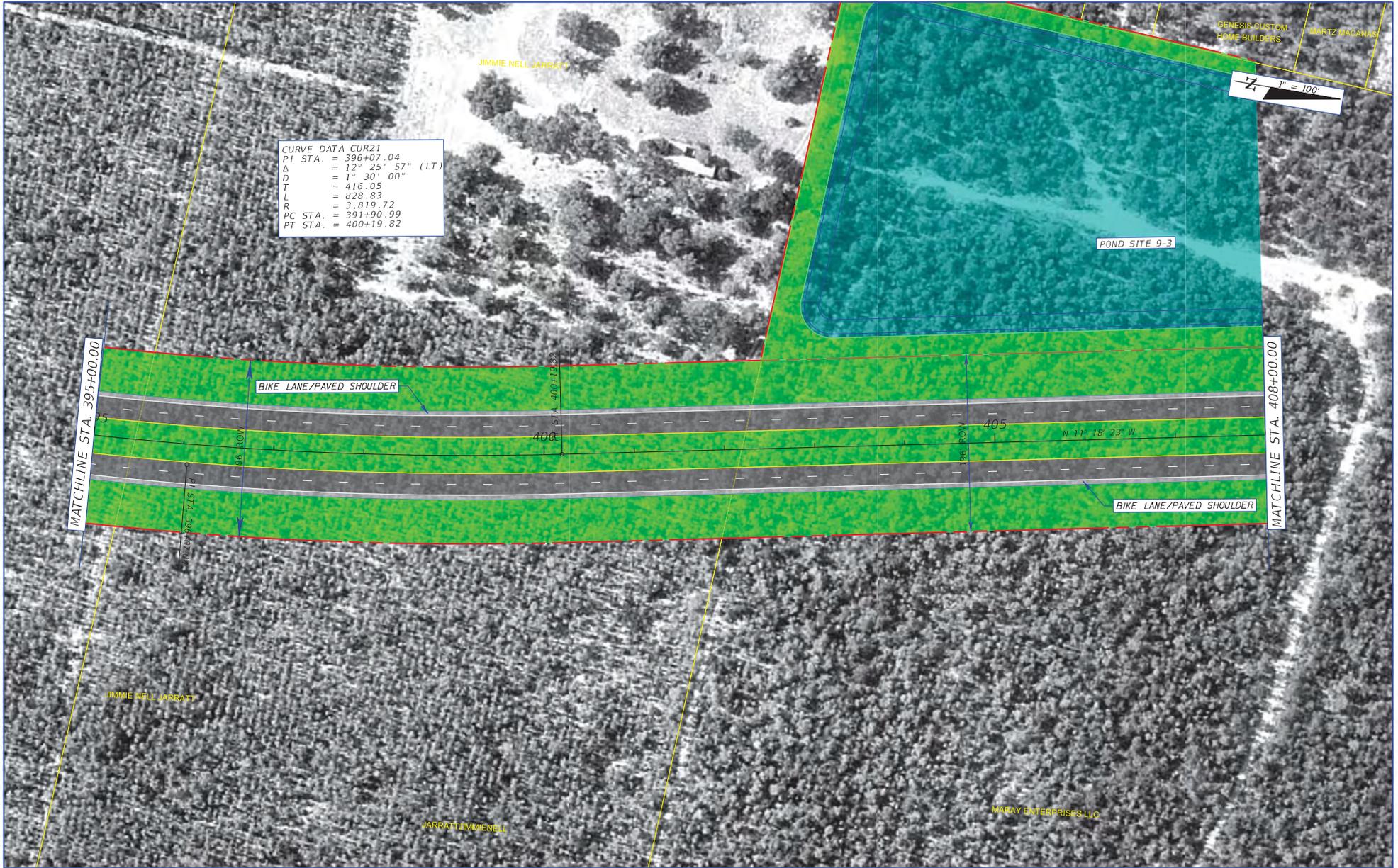
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 30
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.		

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



CURVE DATA CUR21	
PI STA.	= 396+07.04
$\Delta$	= 12° 25' 57" (LT)
D	= 1° 30' 00"
T	= 416.05
L	= 828.83
R	= 3,819.72
PC STA.	= 391+90.99
PT STA.	= 400+19.82

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		31

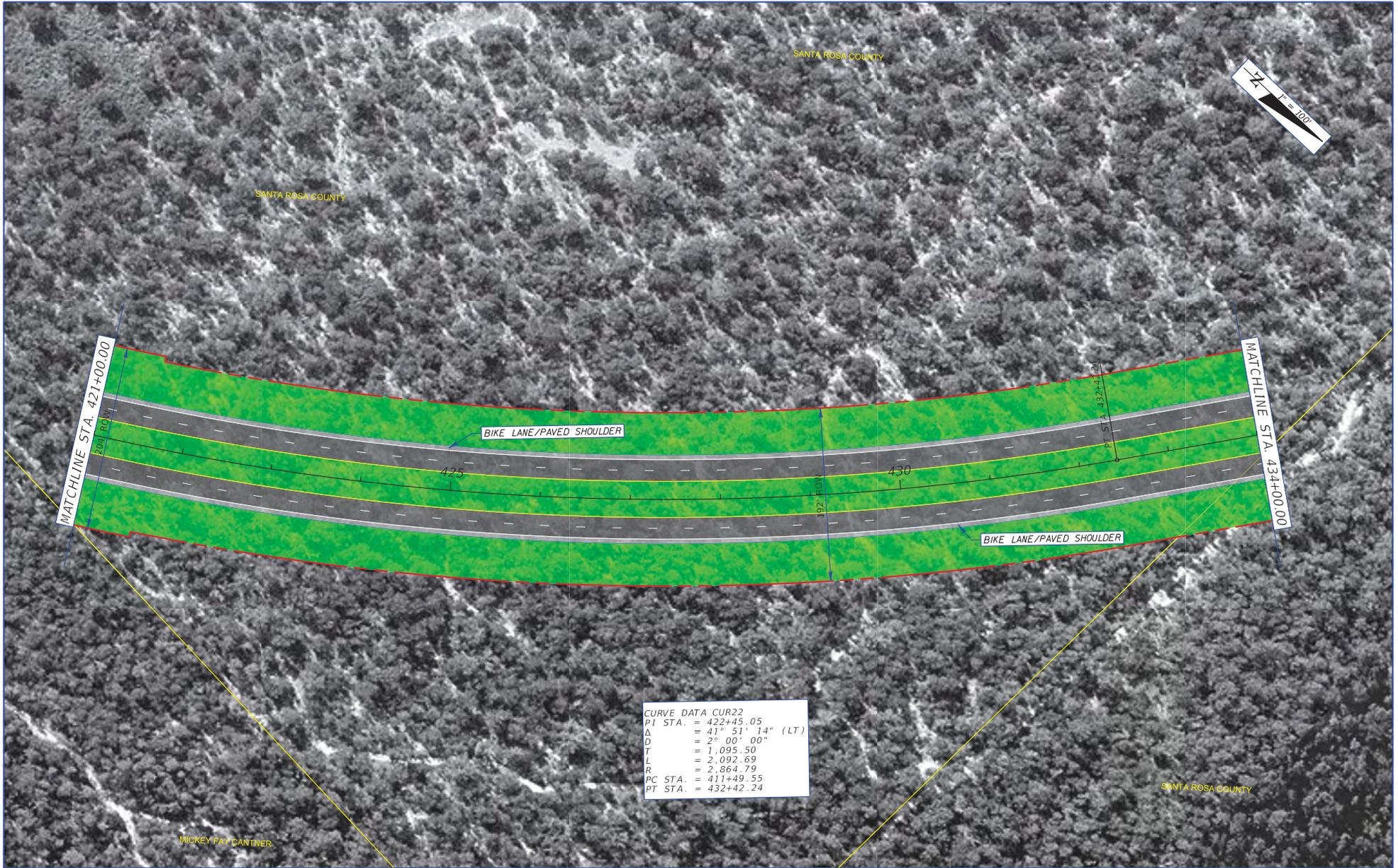


CURVE DATA CUR21  
 P1 STA. = 396+07.04  
 Δ = 12° 25' 57" (LT)  
 D = 1° 30' 00"  
 T = 416.05  
 L = 828.83  
 R = 3,819.72  
 PC STA. = 391+90.99  
 PT STA. = 400+19.82

REVISIONS		REVISIONS		METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 32
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



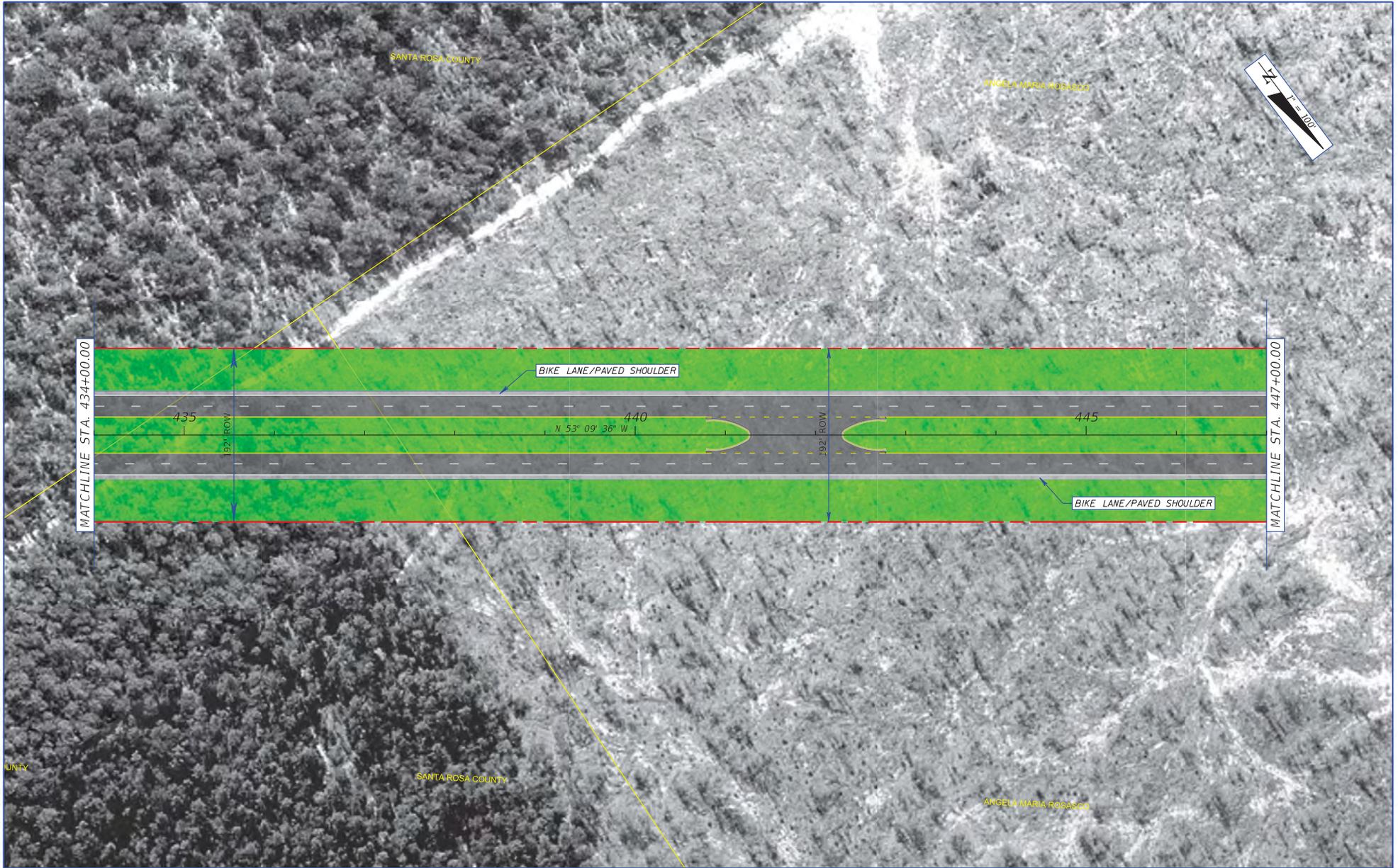
REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 33
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416749-3-22-01, ETC.			



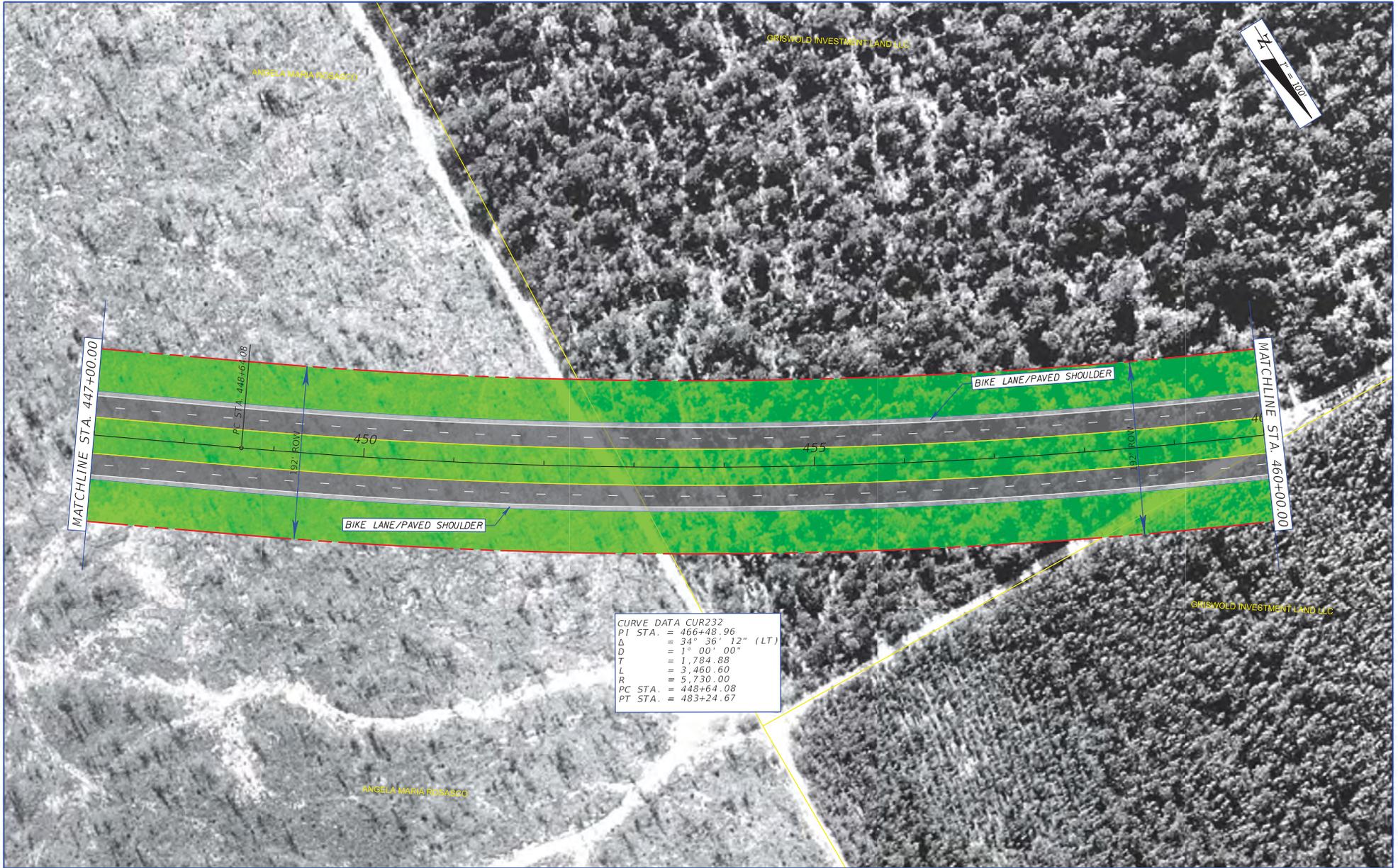
**CURVE DATA CUR22**  
 PI STA. = 422+45.05  
 Δ = 41° 51' 14" (LT)  
 D = 2° 00' 00"  
 T = 1,095.50  
 L = 2,092.69  
 R = 2,864.79  
 PC STA. = 411+49.55  
 PT STA. = 432+42.24

REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO.  34
DATE	DESCRIPTION	DATE	DESCRIPTION	FINANCIAL PROJECT ID		
				SR 87	416748-3-22-01, ETC.	

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

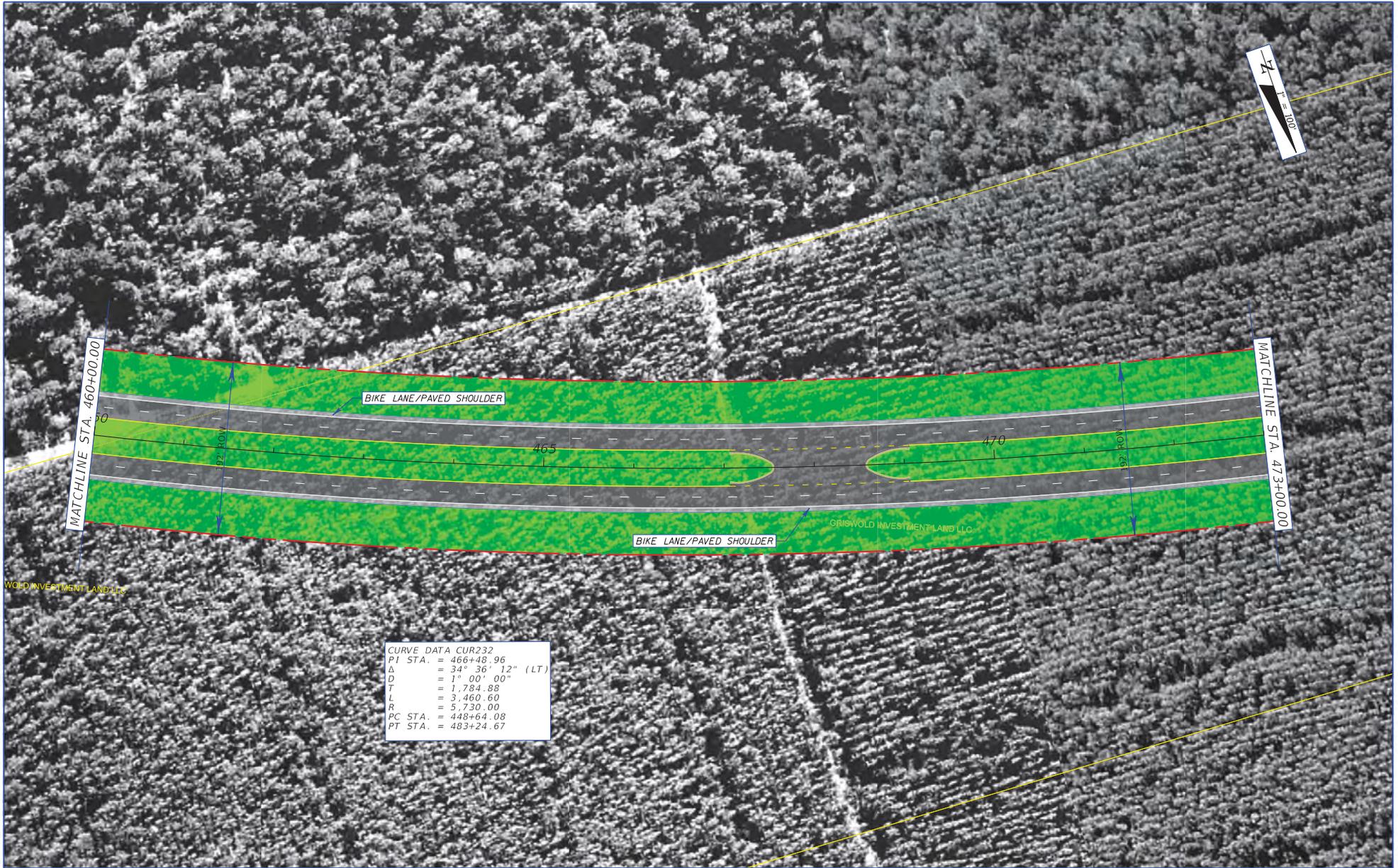


REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		35



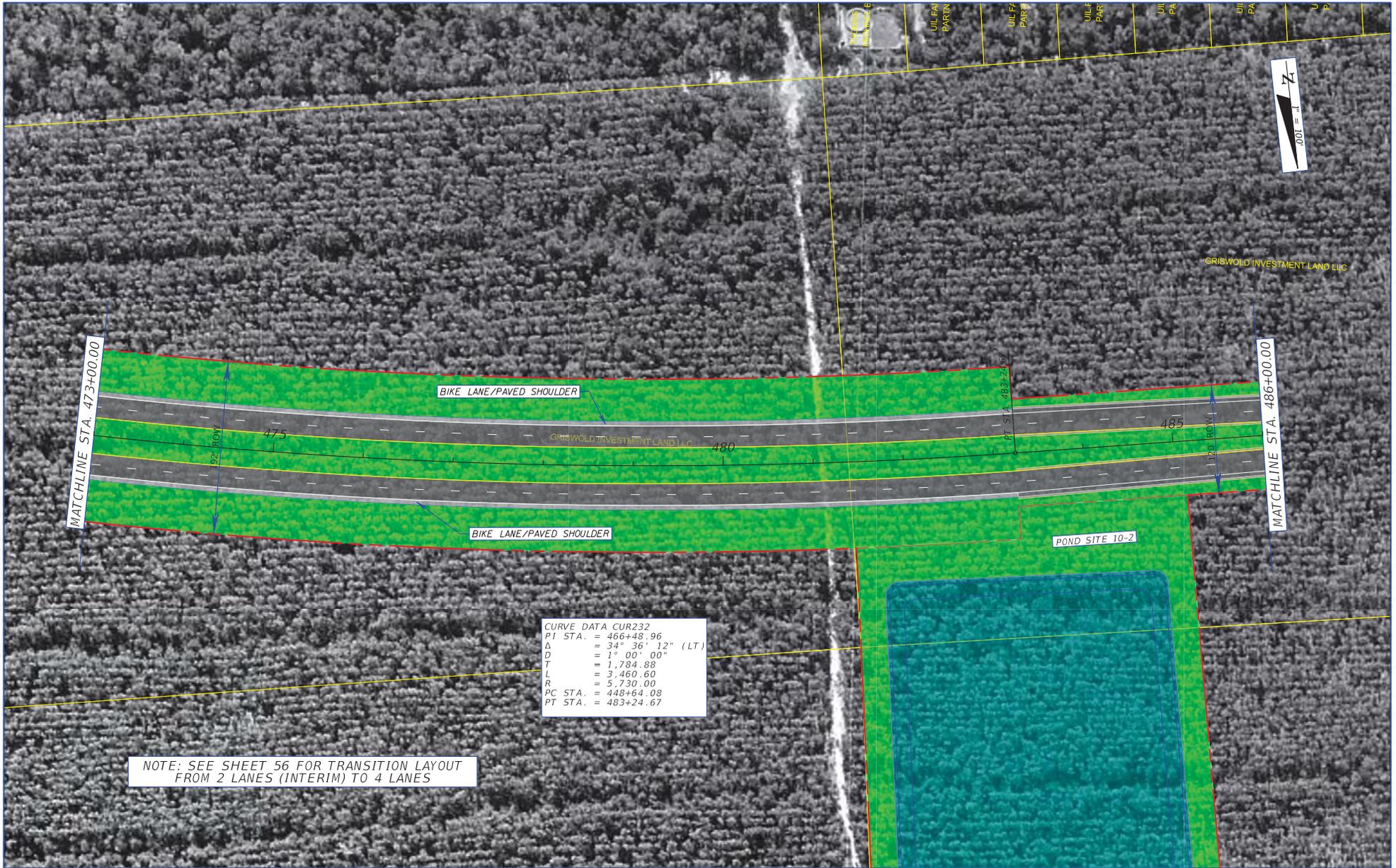
CURVE DATA CUR232  
 PI STA. = 466+48.96  
 $\Delta$  = 34° 36' 12" (LT)  
 D = 1° 00' 00"  
 T = 1,784.88  
 L = 3,460.60  
 R = 5,730.00  
 PC STA. = 448+64.08  
 PT STA. = 483+24.67

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 36
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



CURVE DATA CUR232  
 PI STA. = 466+48.96  
 Δ = 34° 36' 12" (LT)  
 D = 1° 00' 00"  
 T = 1,784.88  
 L = 3,460.60  
 R = 5,720.00  
 PC STA. = 448+64.08  
 PT STA. = 483+24.67

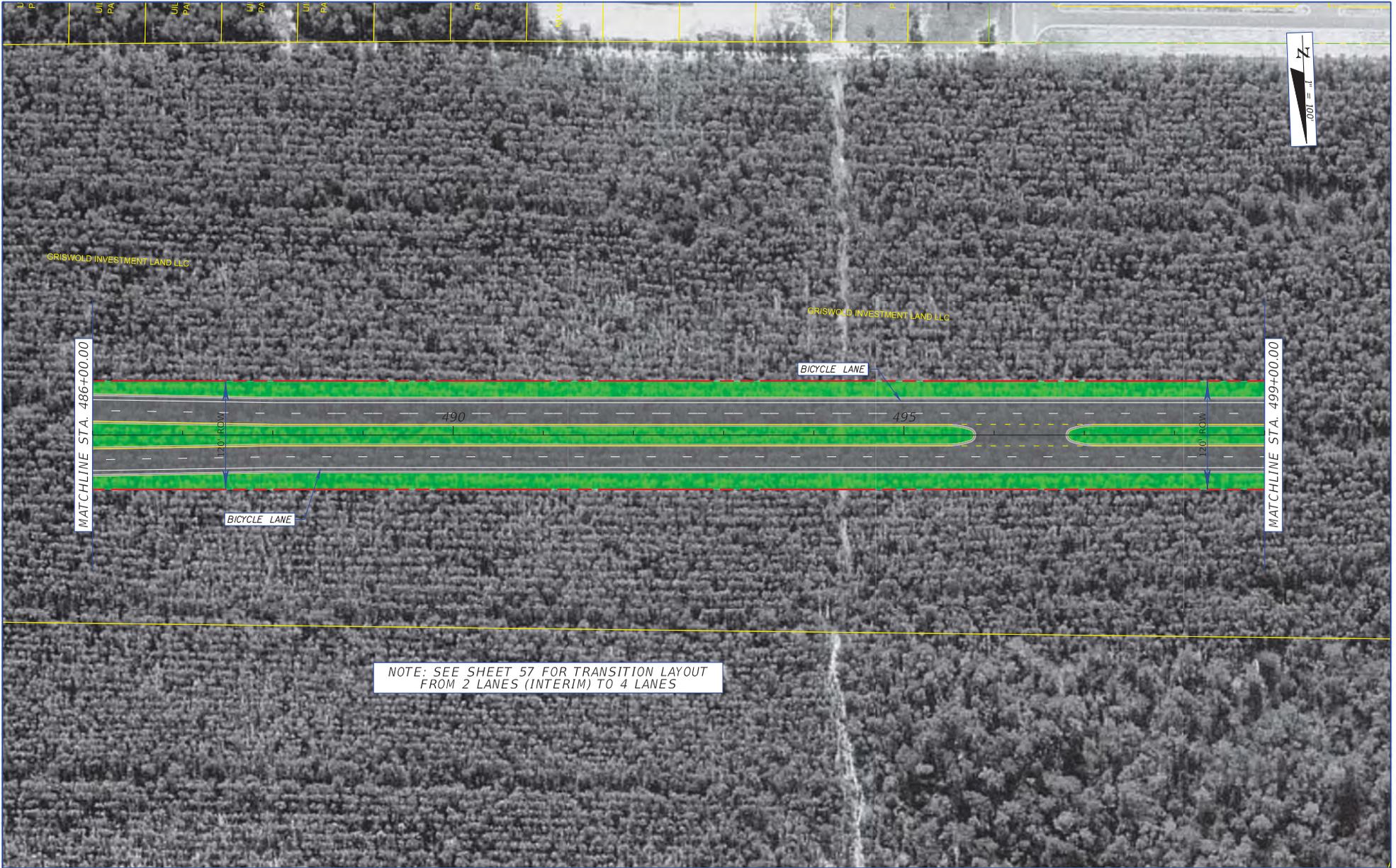
REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO.  37
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



CURVE DATA CUR232  
 PI STA. = 466+48.96  
 $\Delta$  = 34° 36' 12" (LT)  
 D = 1° 00' 00"  
 T = 1,784.88  
 L = 3,460.60  
 R = 5,730.00  
 PC STA. = 448+64.08  
 PT STA. = 483+24.67

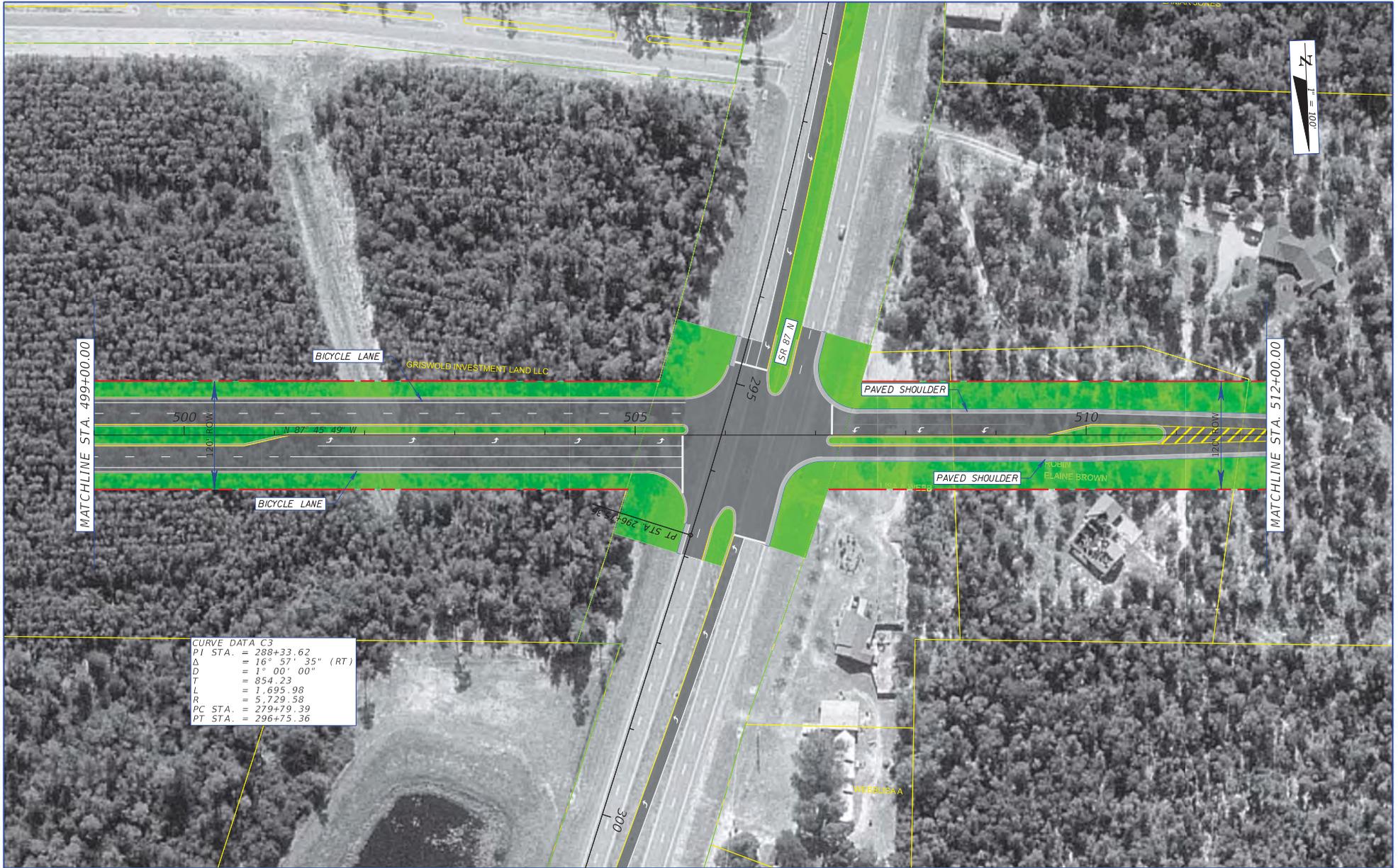
NOTE: SEE SHEET 56 FOR TRANSITION LAYOUT FROM 2 LANES (INTERIM) TO 4 LANES

REVISIONS		DESCRIPTION		METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 38
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



NOTE: SEE SHEET 57 FOR TRANSITION LAYOUT FROM 2 LANES (INTERIM) TO 4 LANES

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 39
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			PLAN SHEET ALIGNMENT 2	SHEET NO. 40
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



CURVE DATA CUR80  
 PI STA. = 63+39.30  
 Δ = 66° 11' 10" (LT)  
 D = 22° 55' 06"  
 T = 162.93  
 L = 288.79  
 R = 250.00  
 PC STA. = 61+76.37  
 PT STA. = 64+65.16

CURVE DATA CUR242  
 PI STA. = 527+33.72  
 Δ = 34° 42' 00" (RT)  
 D = 2° 29' 59"  
 T = 716.08  
 L = 1,388.11  
 R = 2,292.00  
 PC STA. = 520+17.64  
 PT STA. = 534+05.75

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO.  41
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



CURVE DATA CUR242  
 PI STA. = 527+33.72  
 $\Delta$  = 34° 42' 00" (RT)  
 D = 2° 29' 59"  
 T = 716.08  
 L = 1,388.11  
 R = 2,292.00  
 PC STA. = 520+17.64  
 PT STA. = 534+05.75

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO. 42
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 2	SHEET NO.  43
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 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. 45+00  
 SHEET 23

MATCH EXISTING ASPHALT

MUNSON HIGHWAY

CASSIE KENNEY HUNLEY

MUNSON KENNEDY

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 2**

SHEET  
NO.  
44



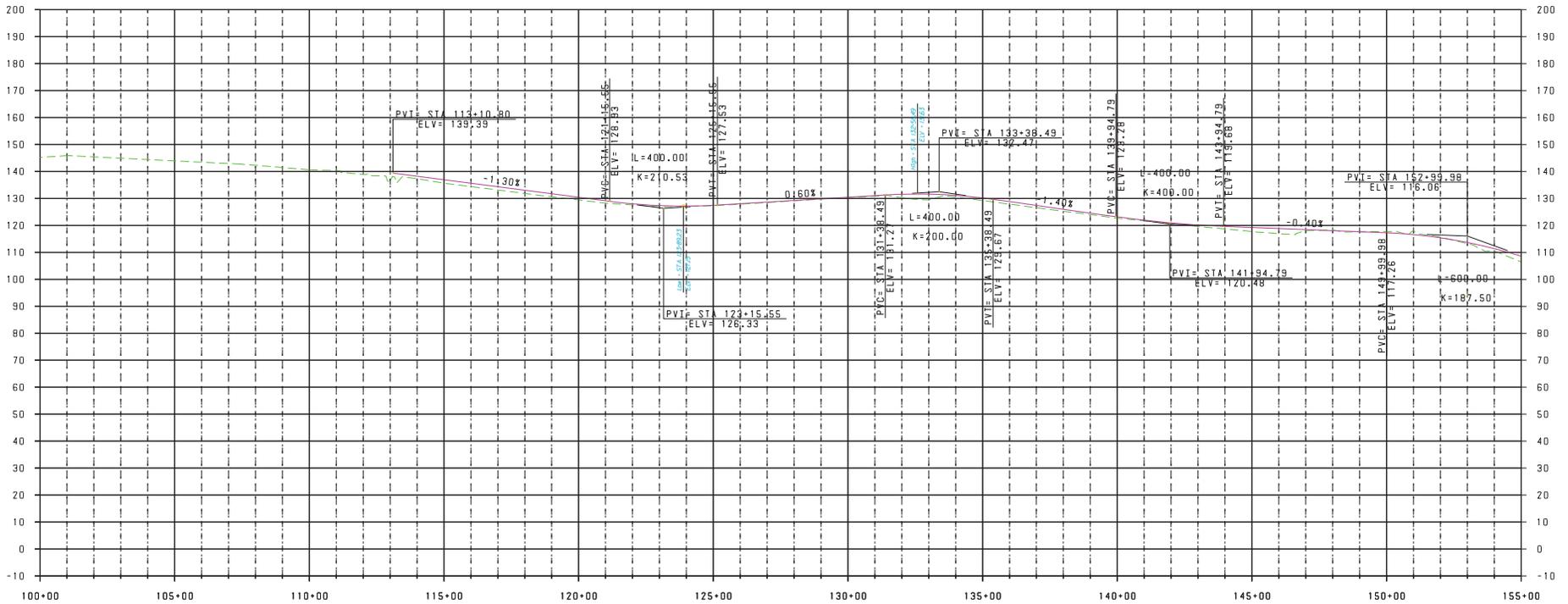
REVISIONS	
DATE	DESCRIPTION

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.

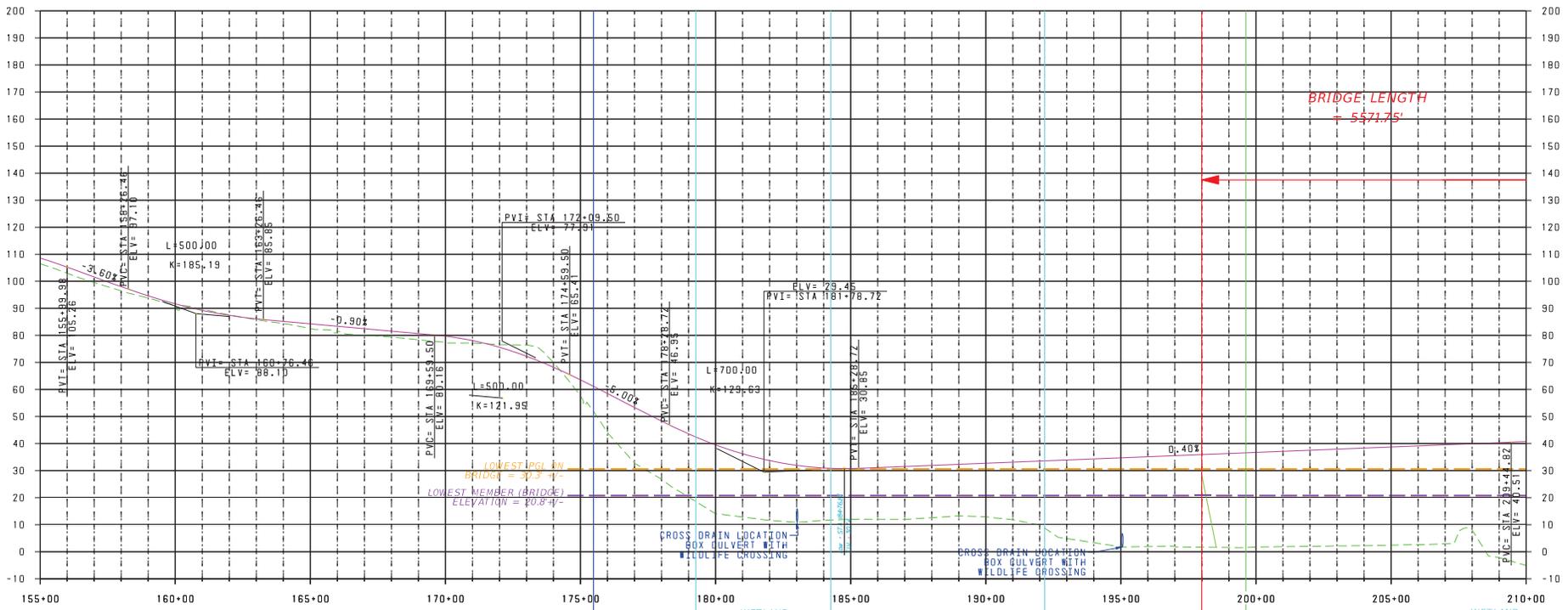
**PLAN SHEET  
ALIGNMENT 2**

SHEET NO.  
45



- - - - - 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 2	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

DATE	DESCRIPTION	DATE	DESCRIPTION

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

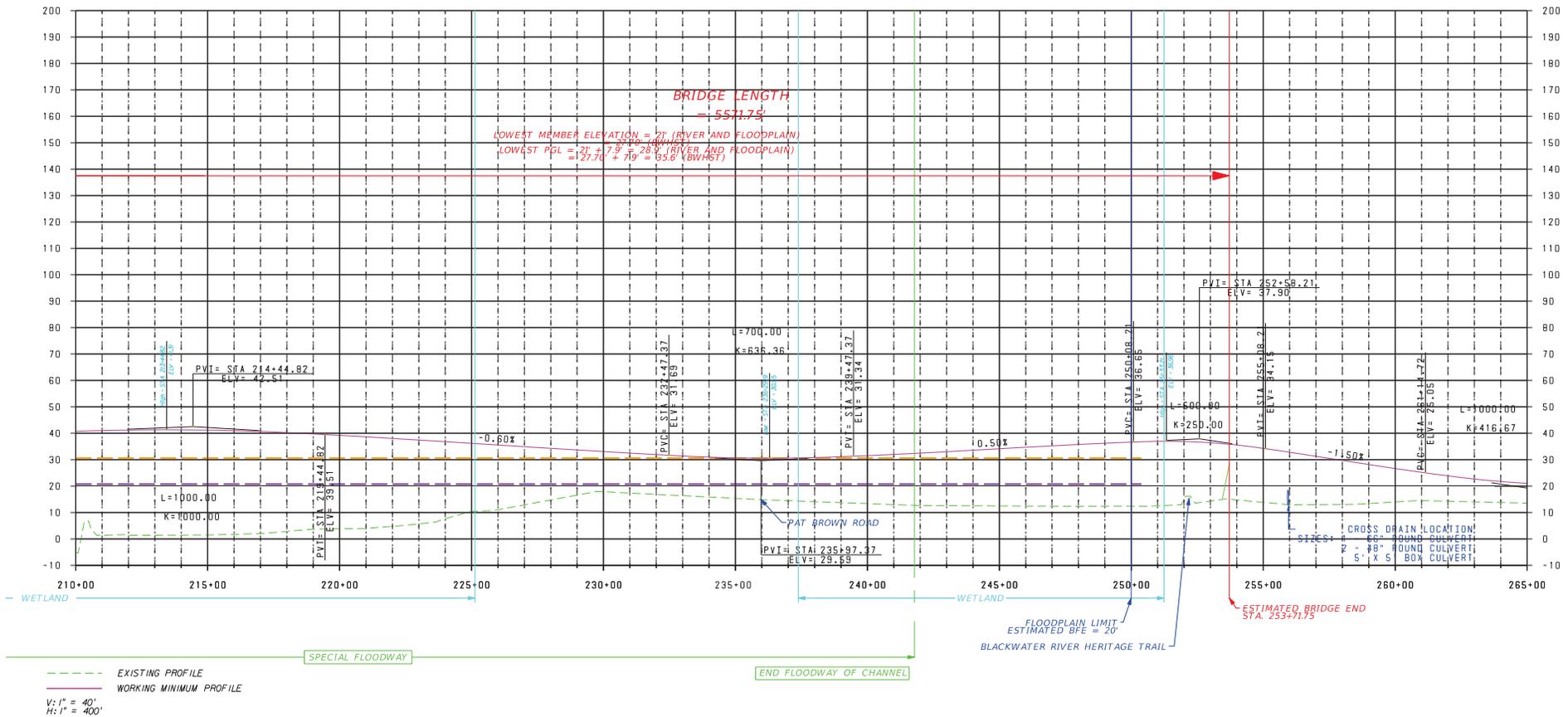
STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

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

**PROFILE SHEET**  
**ALIGNMENT 2**

SHEET NO.

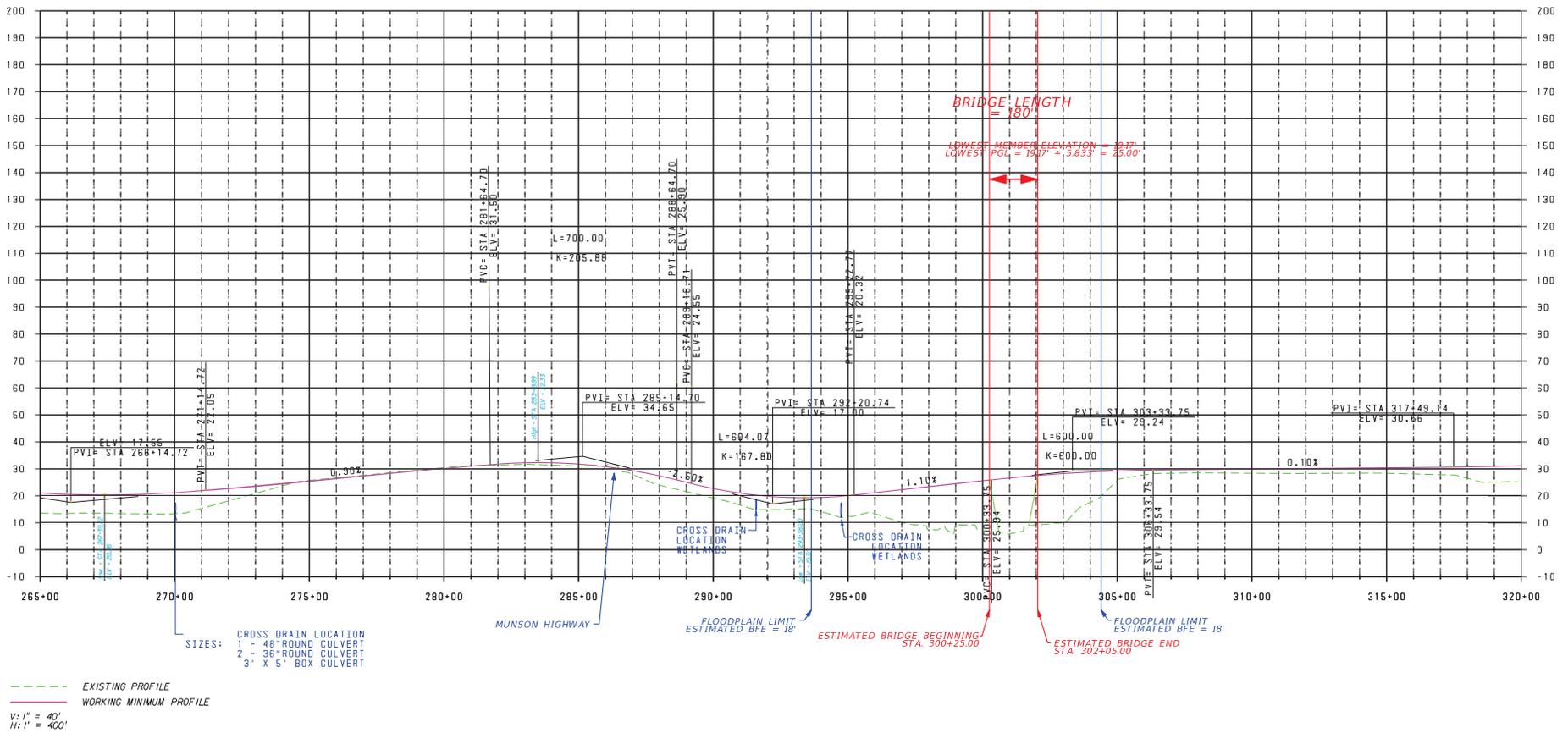
47



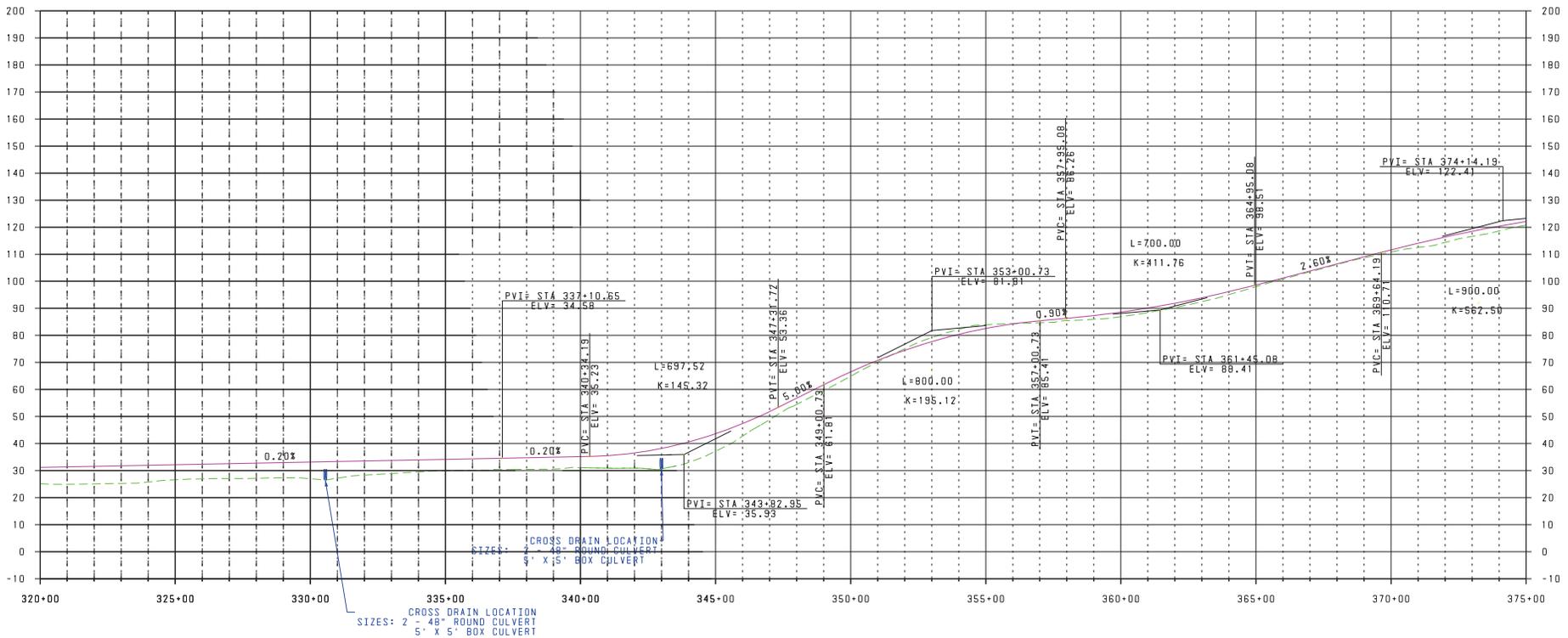
BRIDGE LENGTH = 551.75'  
 LOWEST MEMBER ELEVATION = 27' (RIVER AND FLOODPLAIN)  
 LOWEST PGL = 27 + 7.9' = 34.9' (RIVER AND FLOODPLAIN)  
 = 27.70' + 7.19' = 34.89' (BWST)

CROSS DRAIN LOCATION:  
 2 - 36" ROUND CULVERT;  
 5' X 5' BOX CULVERT

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET ALIGNMENT 2	SHEET NO. 48
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		

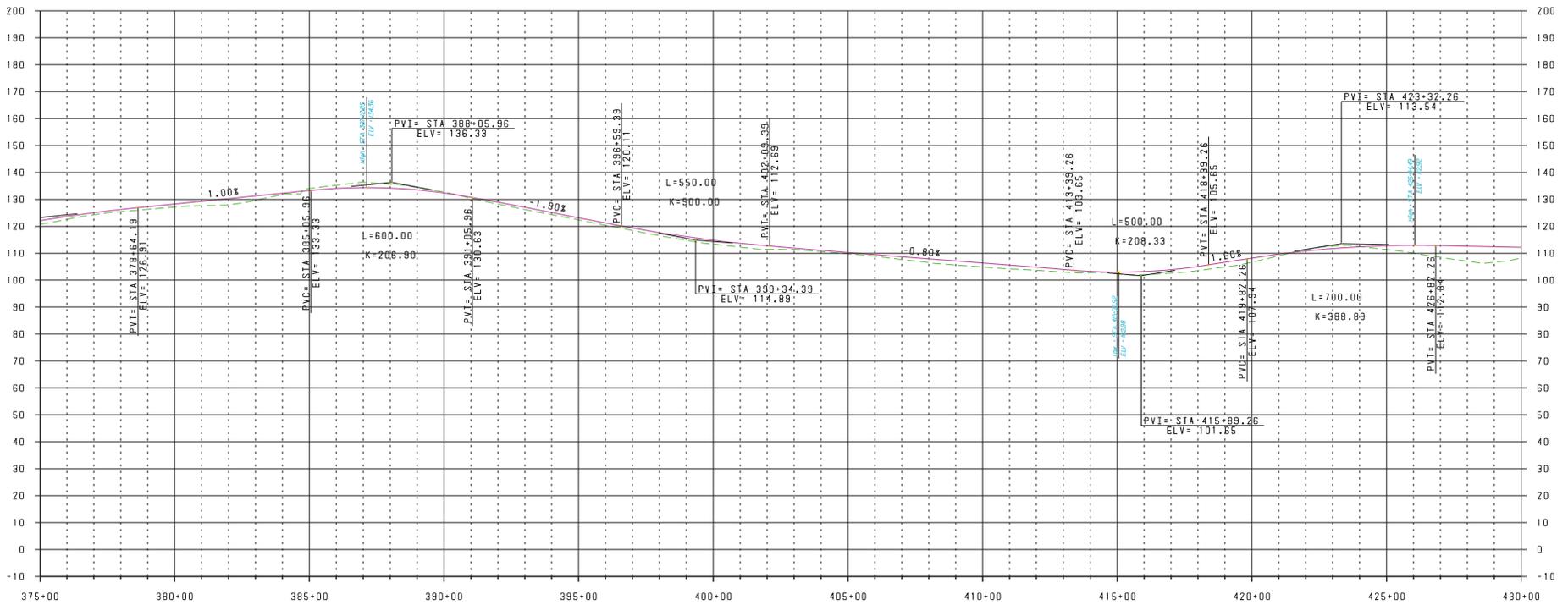


REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>PROFILE SHEET</b> <b>ALIGNMENT 2</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		49
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



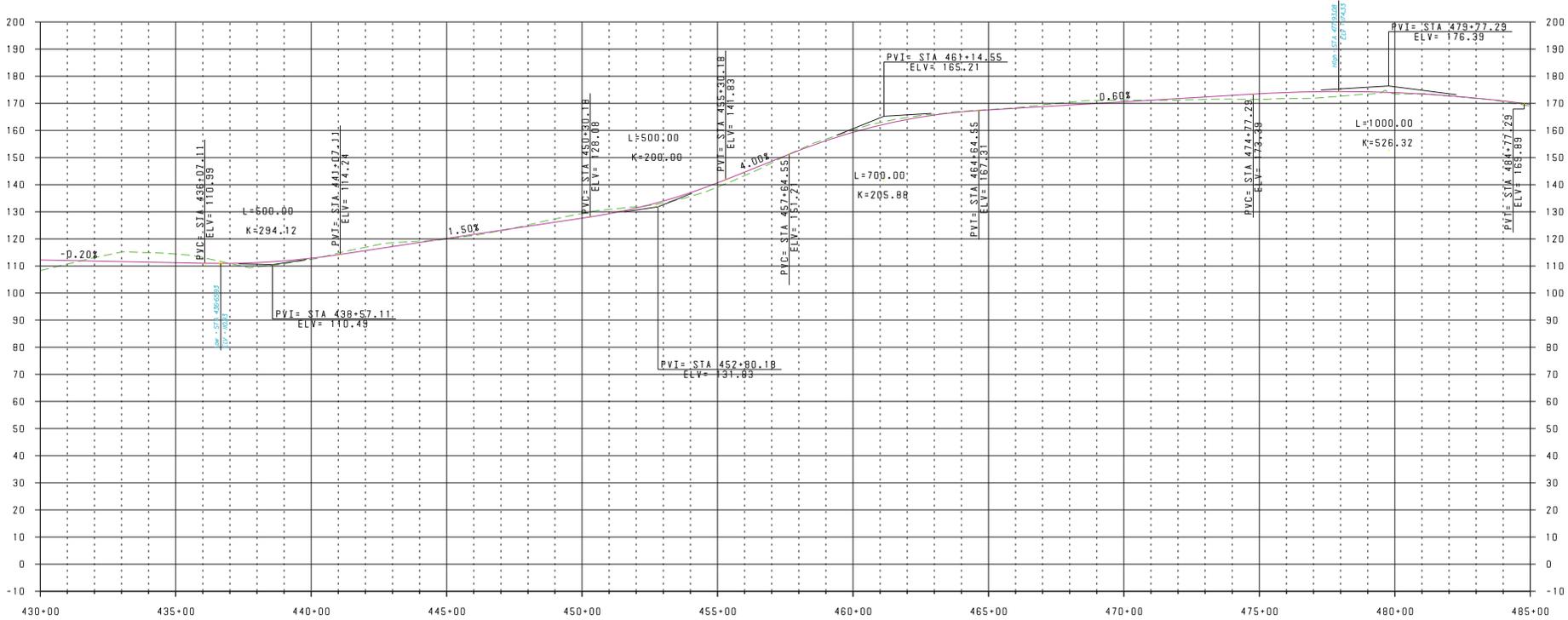
- - - - - EXISTING PROFILE  
 ——— WORKING MINIMUM PROFILE  
 V: 1" = 40'  
 H: 1" = 400'

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 2</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



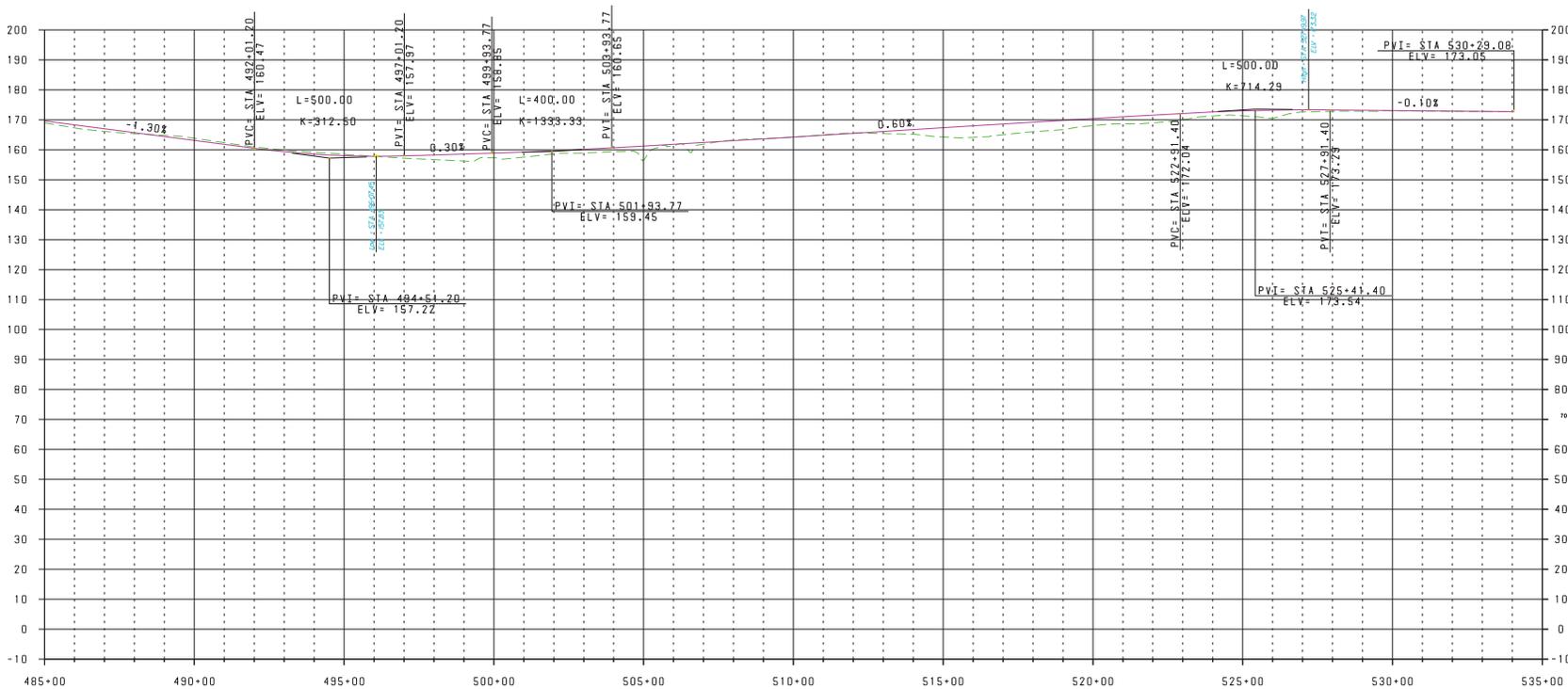
- - - - - EXISTING PROFILE  
 - - - - - WORKING MINIMUM PROFILE  
 V: 1" = 40'  
 H: 1" = 400'

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET ALIGNMENT 2	SHEET NO. 51
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 2</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		52



- - - - - 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 2**

SHEET NO.

53



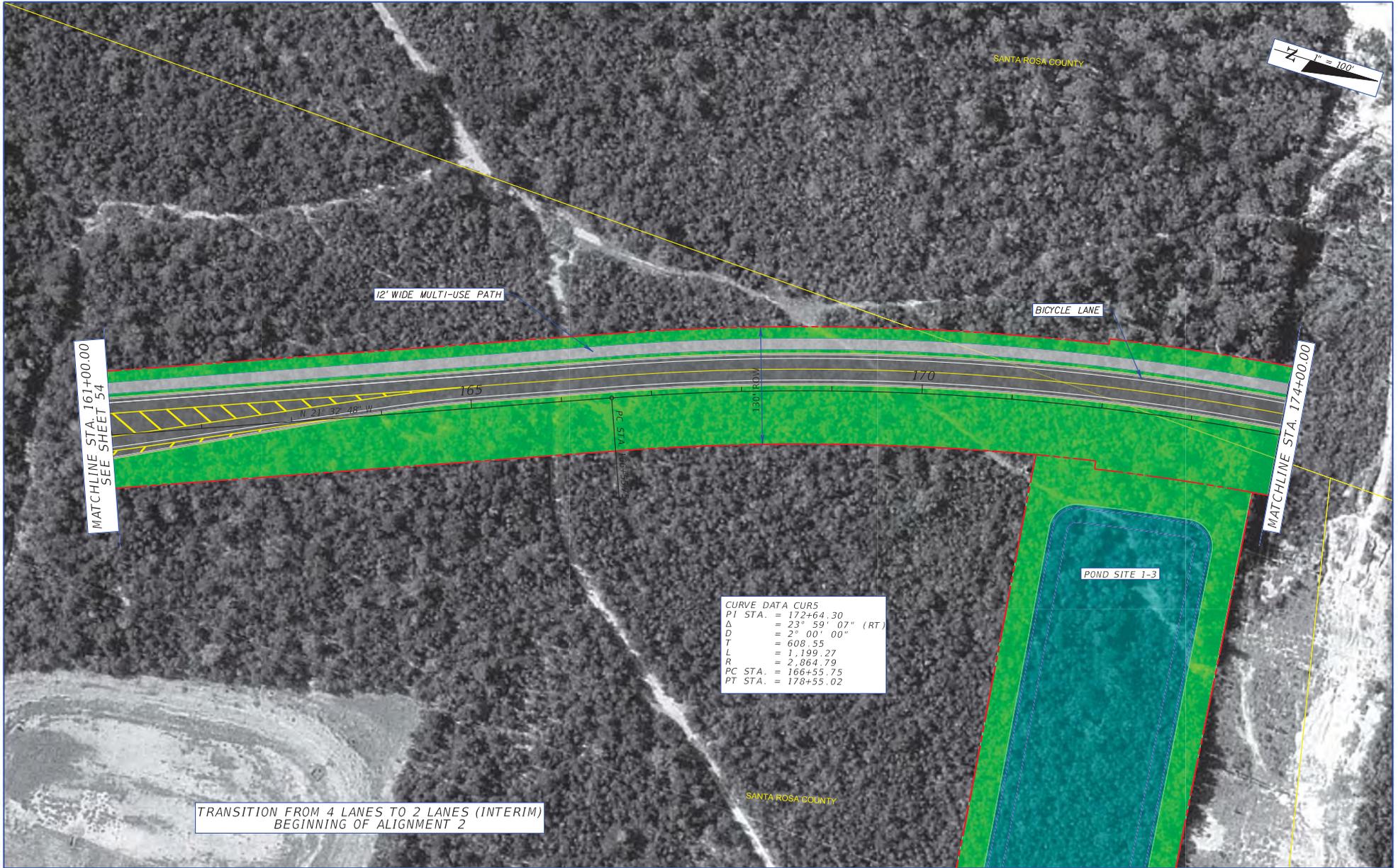
MATCHLINE STA. 148+00.00  
SEE SHEET 12

MATCHLINE STA. 161+00.00  
SEE SHEET 55

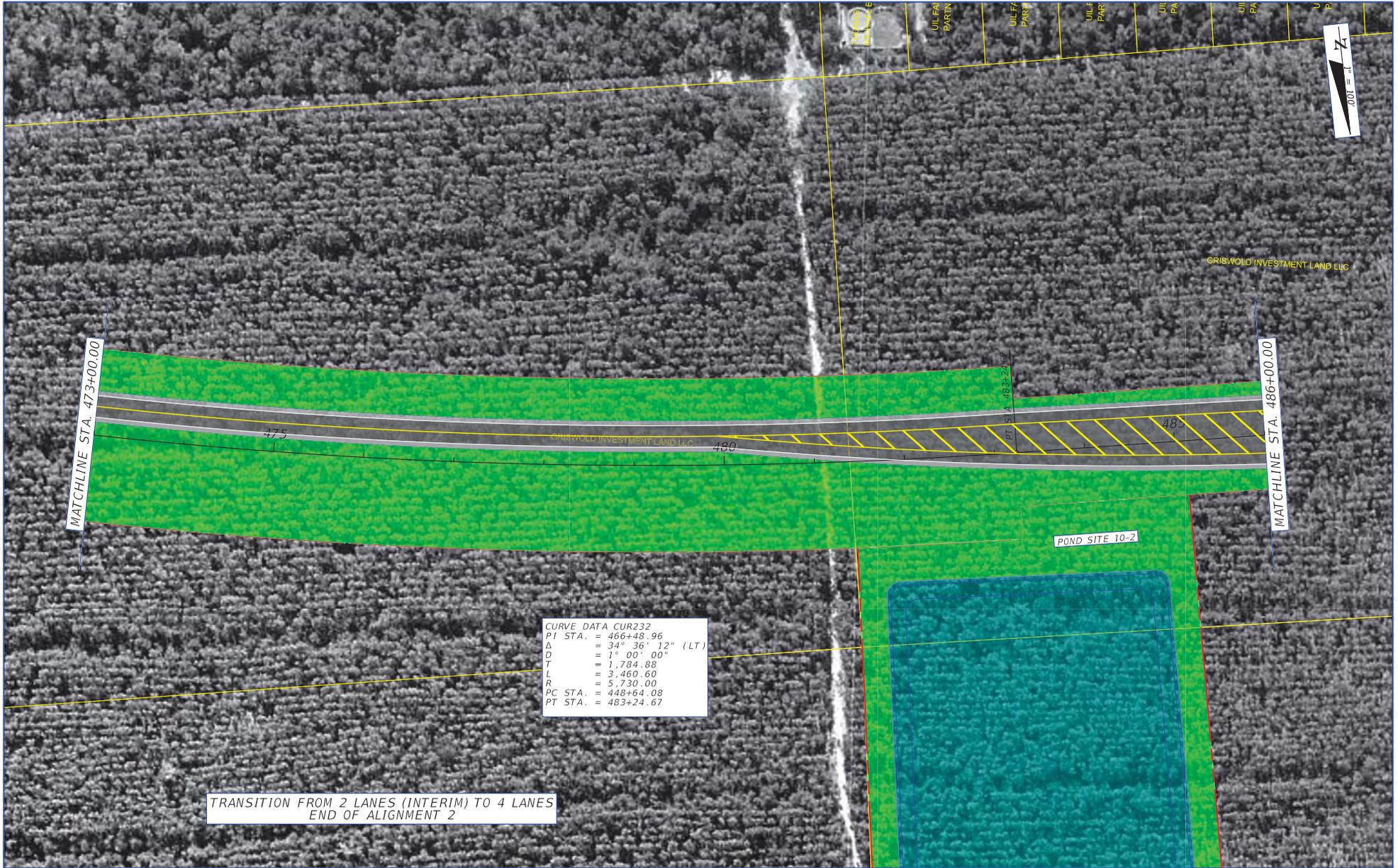
**CURVE DATA CUR4**  
 PI STA. = 143+86.75  
 Δ = 27° 57' 00" (RT)  
 D = 3° 00' 00"  
 T = 475.30  
 L = 931.67  
 R = 1,909.86  
 PC STA. = 139+11.45  
 PT STA. = 148+43.12

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

REVISIONS		METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRANSITION LAYOUT ALIGNMENT 2	SHEET NO.  54
DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			SR 87	SANTA ROSA	416748-3-22-01, ETC.		



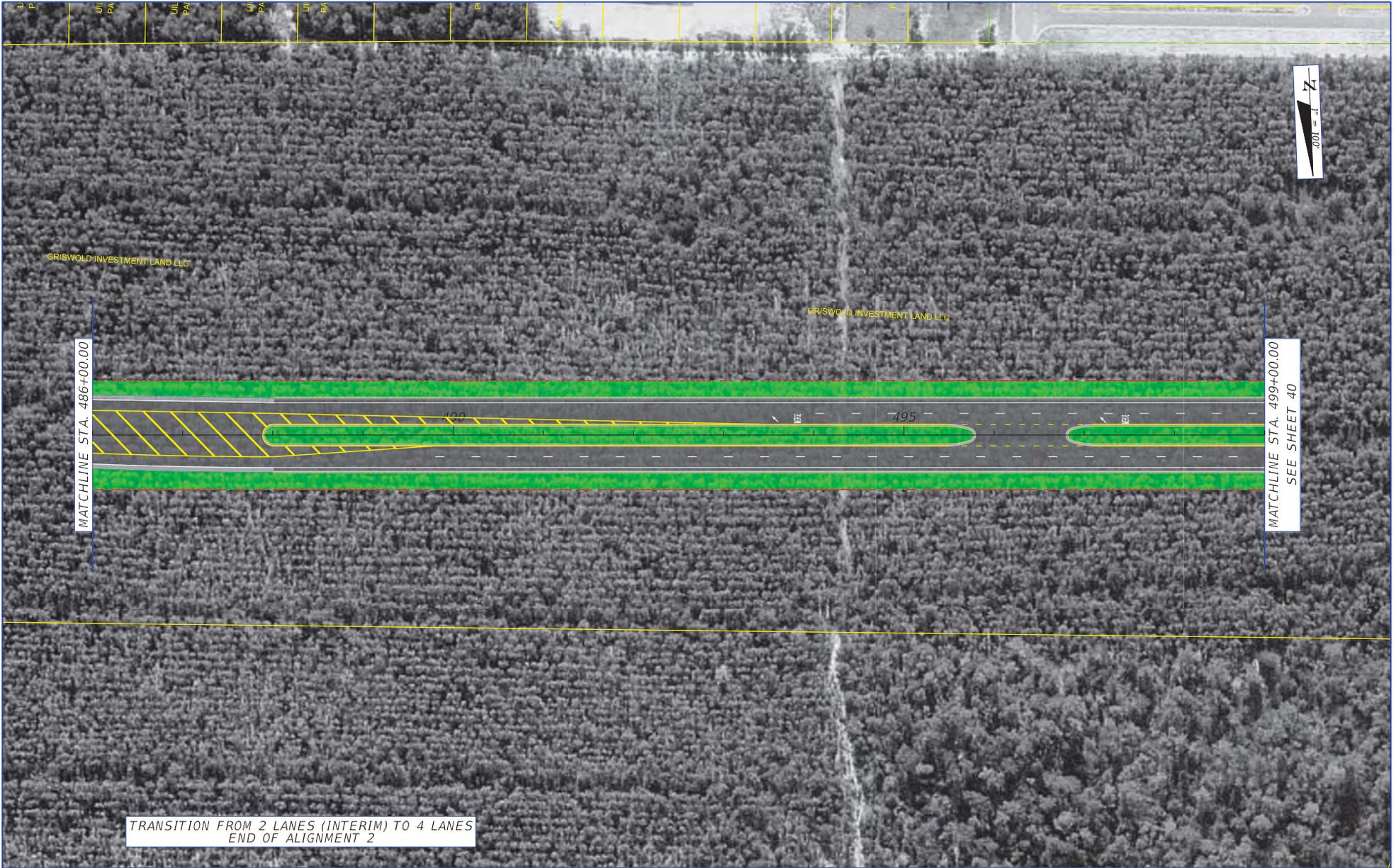
REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TRANSITION LAYOUT ALIGNMENT 2</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		55
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



CURVE DATA CUR232  
 PI STA. = 466+48.96  
 $\Delta$  = 34° 36' 12" (LT)  
 D = 1° 00' 00"  
 T = 1,784.88  
 L = 3,460.60  
 R = 5,730.00  
 PC STA. = 448+64.08  
 PT STA. = 483+24.67

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

REVISIONS		METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRANSITION LAYOUT ALIGNMENT 2	SHEET NO. 56
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			



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

REVISIONS				METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 CERTIFICATE OF AUTHORIZATION 00002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRANSITION LAYOUT ALTERNATIVE 2	SHEET NO.  57
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 87	SANTA ROSA	416748-3-22-01, ETC.			