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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

HAYWOOD COUNTY

STATE ROUTE 87
BRIDGE OVER
BRANCH CREEK L.M. 3.47

LINE AND GRADE
BRIDGE REPLACEMENT

STATE HIGHWAY NO. 87 F.A.H.S. NO.

DOES THIS PROJECT QUALIFY
FOR UTILITY CHAPTER 86

YES

NO

TENN.

YEAR

2025

SHEET NO.

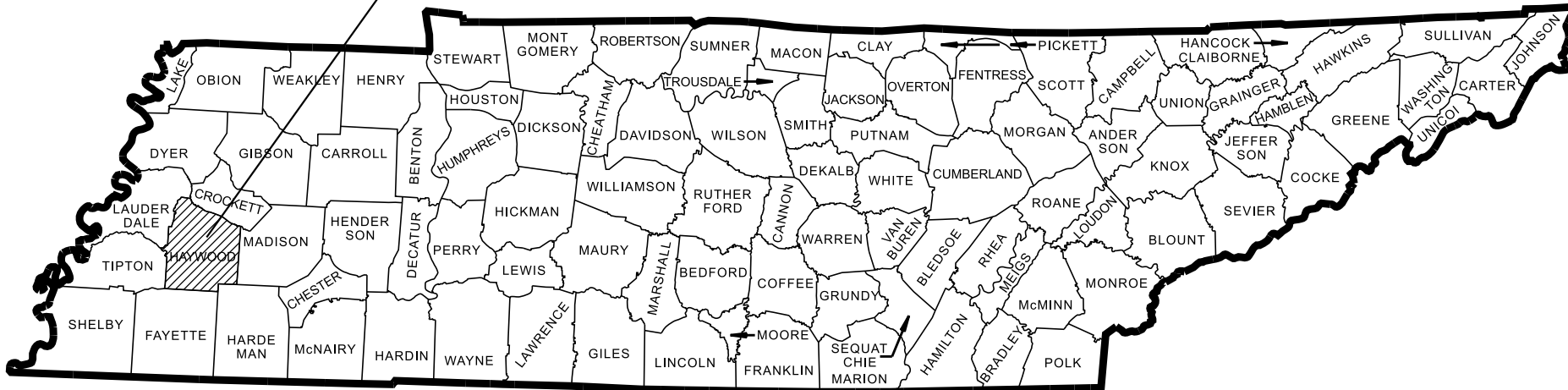
1

FED. AID PROJ. NO.

STATE PROJ. NO.

PROJECT LOCATION

BRIDGE ID. # 38S0460003



NO EXCLUSIONS

CAUTION!
PRELIMINARY
PLANS
SUBJECT TO
CHANGE

SEALED BY

APPROVED:

DEPUTY COMMISSIONER /
CHIEF ENGINEER

DATE:

APPROVED:

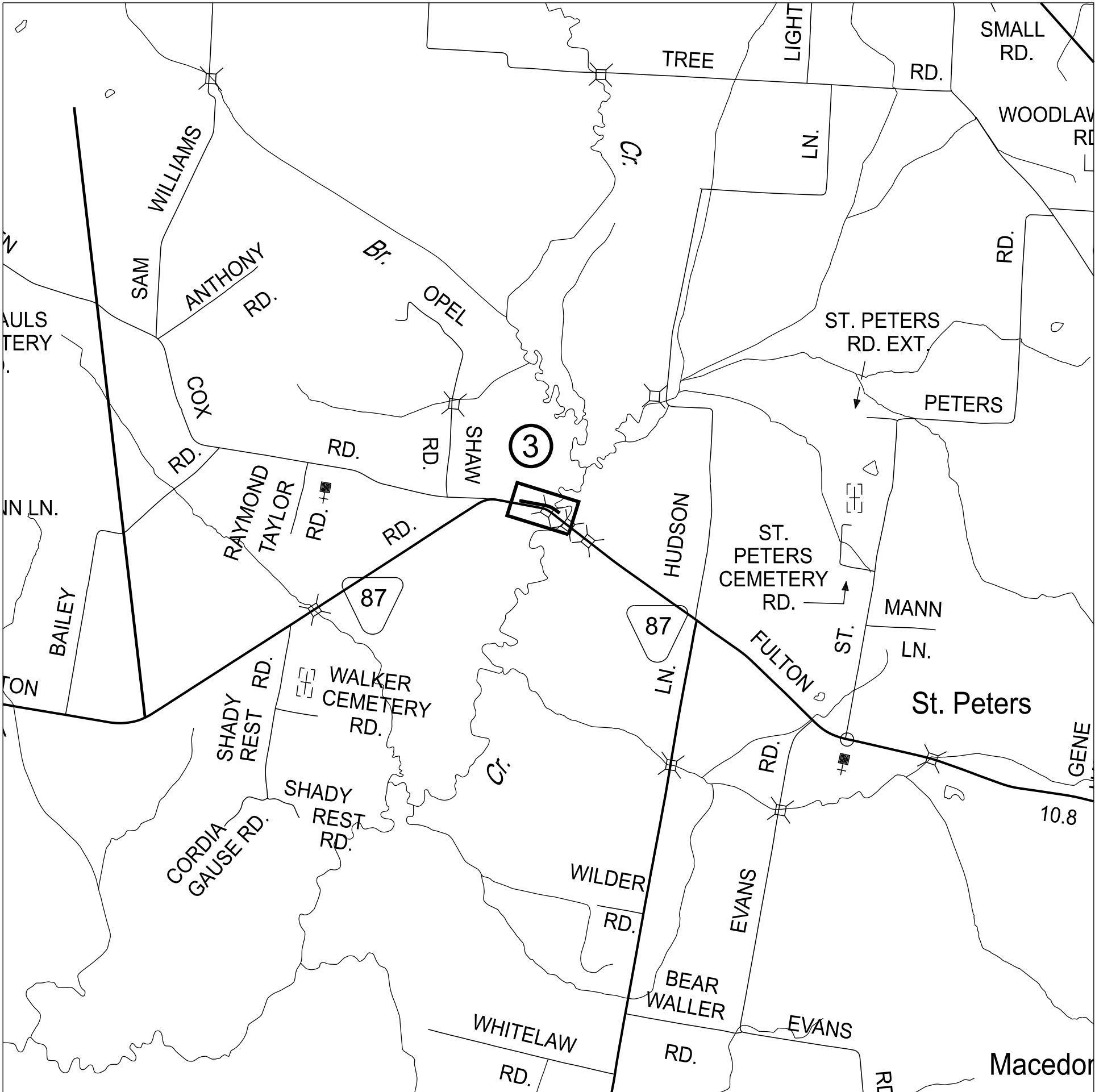
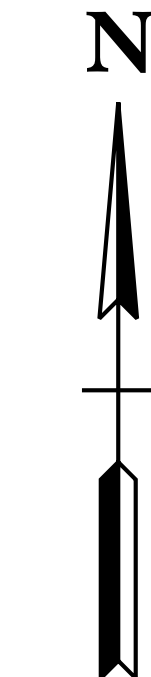
DEPUTY GOVERNOR &
COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR

DATE



SCALE: 1"= 1/2 MILE

R.O.W. LENGTH	MILES
ROADWAY LENGTH	MILES
BRIDGE LENGTH	MILES
BOX BRIDGE LENGTH	MILES
BOX BRIDGE LENGTH	MILES ▲
PROJECT LENGTH	MILES

Not included in the project length (Non Riding Surface).

SURVEY	TRAFFIC DATA
	ADT (2029) 410
	ADT (2049)
	DHV (2029) 41
	D -
	T (ADT) 5.0%
	T (DHV) %
	V 45 MPH

COORDINATES ARE NAD/83(1995) () ADJUSTMENT) ADJUSTED BY
THE FACTOR OF _____ AND TIED TO THE TGRN. ALL ELEVATIONS
ARE REFERENCED TO THE NAVD 1988 USING GEOID _____

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES
CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW
THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF
THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2021 AND
ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS
AND IN THE PROPOSAL CONTRACT.

TDOT PROJECT MANAGER: STEVE SELLERS

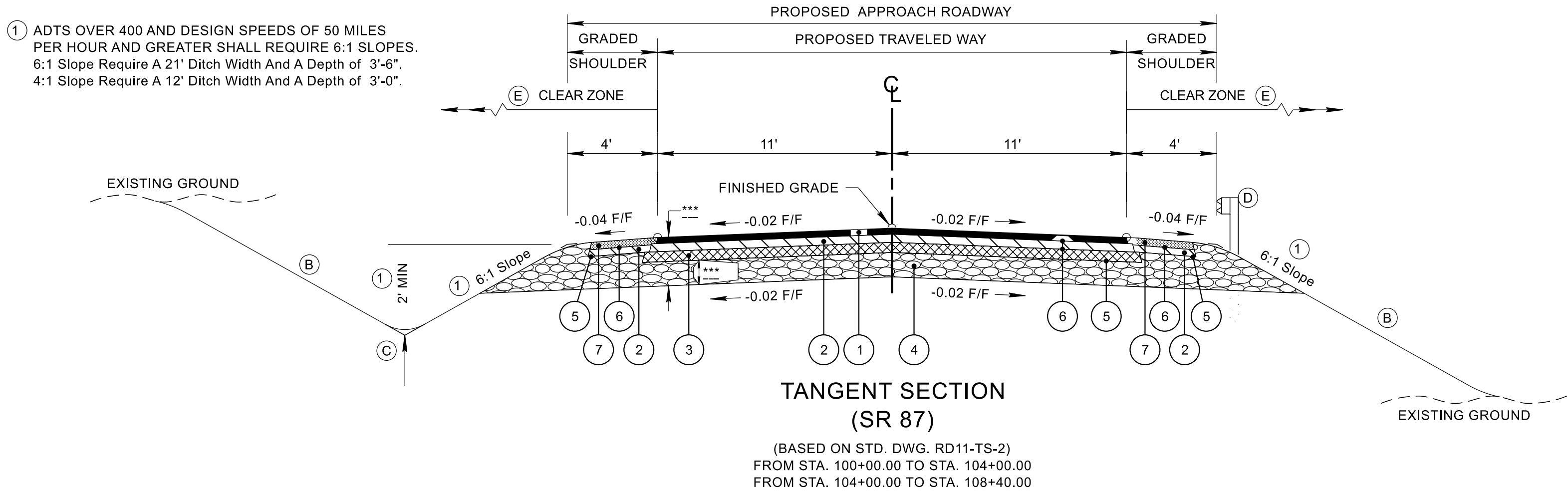
DESIGN FIRM : AMERICAN STRUCTUREPOINT INC

DESIGNER : CHECKED BY

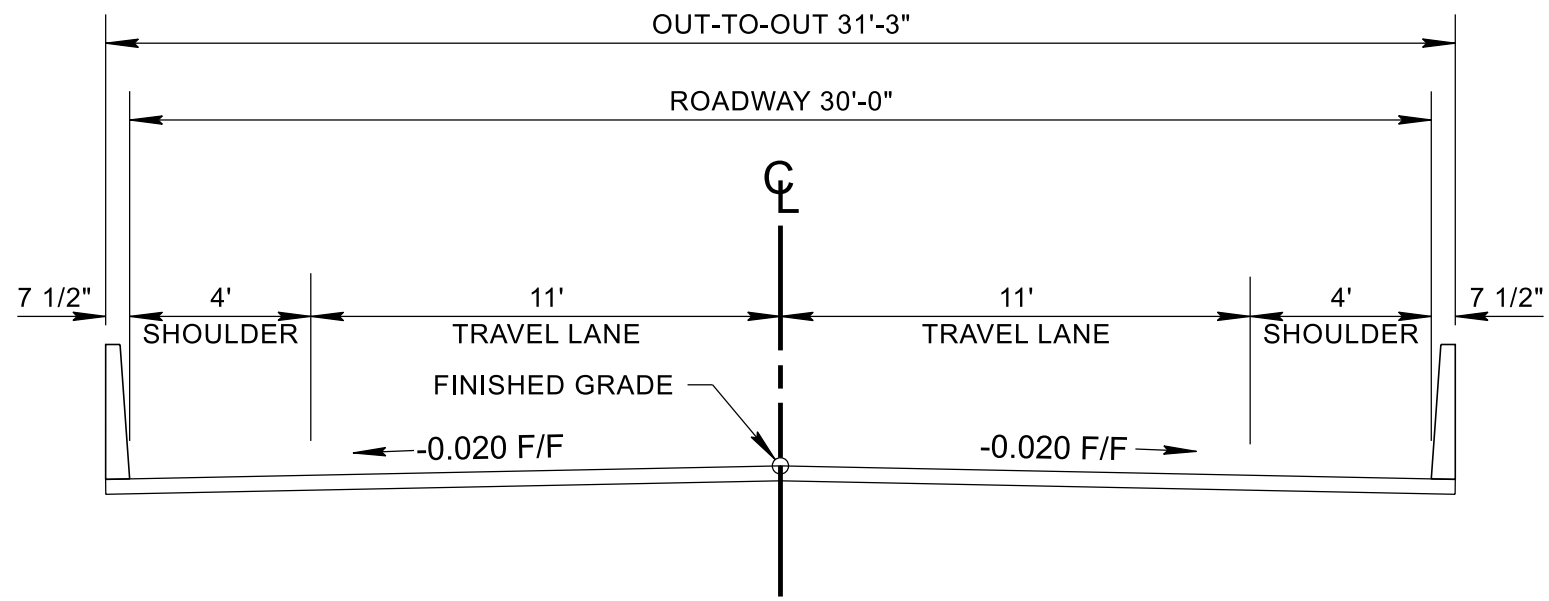
P.E. NO.

PIN NO. 136185.03

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		2



- Ⓐ THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.
- Ⓑ SEE STANDARD DRAWINGS RD11-S-11 AND RD11-S-11B FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES AND TOE OF FILL SLOPES, SPECIAL ROCK TREATMENT AND SUB GRADE ROUNDING IF APPLICABLE.
- Ⓒ SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.
- Ⓓ SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.
- Ⓔ SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE", AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONES.



PROPOSED PAVEMENT SCHEDULE	
① ASPHALTIC CONCRETE SURFACE (HOT MIX) PGXX-XX GRADING "D" SURFACE @ X.XX" THICK (APPROX. 132.5 LB./S.Y.) 411-XX-XX ACS MIX (PGXX-XX) GRADING "D"	⑤ PRIME COAT 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) AT 0.30-0.35 GALLONS/S.Y. 402-02 AGGREGATE FOR COVER MATERIAL (PC) AT 8-12 LB./S.Y.
② BITUMINOUS PLANT MIX BASE (HOT MIX) PGXX-XX GRADING "B-M2" @ 2.00" THICK (APPROX. 226 LB./S.Y.) 307-XX-XX ASPHALT CONCRETE MIX (PGXX-XX) (BPMB-HM) GRADING "B-M2"	⑥ TACK COAT 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) AT 0.07 GALLONS/S.Y. SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD
③ BITUMINOUS PLANT MIX BASE (HOT MIX) PGXX-XX GRADING "A" @ X.XX" THICK (APPROX. 346 LB./S.Y.) 307-XX-XX XXXXASPHALT CONCRETE MIX (PGXX-XX) (BPMB-HM) GRADING "A"	⑦ ASPHALTIC CONCRETE SURFACE (HOT MIX) PGXX-XX GRADING "E" SURFACE @ X.XX" THICK (APPROX. LB./S.Y.) 411-XX-XX ACS MIX (PGXX-XX) GRADING "E" SHOULDER
④ MINERAL AGGREGATE XX" THICK 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"	

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COORDINATES ARE NAD 83(), ARE DATUM ADJUSTED BY THE FACTOR OF AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID .
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		3

R.O.W. ACQUISITION TABLE						R.O.W. ACQUISITION TABLE												
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (SQUARE FEET)				
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM DRAINAGE	SLOPE	CONST	AIR RIGHTS	PERM RAILROAD
				BOOK	PAGE													
1	FRANKLIN ANDREW PARKER AND WIFE, CHERISH MICHELLE PARKER	060	009.00	DB 264	150	158.660		158.660				158.660						
2	JAMES WILLIS AND LINDA K. JACKSON	060	008.00	DB 93	193		97.000	97.000					97.000					
3	GLADYS OWENS AND ROSHELLE J. DOUGLAS	060	020.01	DB 266	252		3.110	3.110					3.110					
4	IVY DELK	060	020.00	RB 13	152		3.420	3.420					3.420					
5	ALFRED EVANS JR.	060	019.00	DB 89	163		6.550	6.550					6.550					
6	LAWRENCE E. PRUITT AND CHARLES E. PRUITT	060	017.00	DB 241	403		23.320	23.320		0.126	0.126		23.194					
7	ALFRED EVANS III AND DORIS EVANS GATES	060	016.00	DB 235	453	19.110		19.110	0.434		0.434	18.676						
8	EVERETT TYUS	060	017.03	DB 177	267		20.290	20.290		0.301	0.301		19.989					
9	EVERETT TYUS	060	017.01	RB 133	420		3.130	3.130					3.130					
ACQUISITION TOTALS (ACRES)									0.860									

DISTURBED AREA	
IN BETWEEN SLOPE LINES	0.908 (AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	0.551 (AC)
TOTAL DISTURBED AREA	1.459 (AC)
TOTAL PROJECT AREA	1.648 (AC)

SEALED BY

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
RIGHT-OF-WAY ACQUISITION TABLE

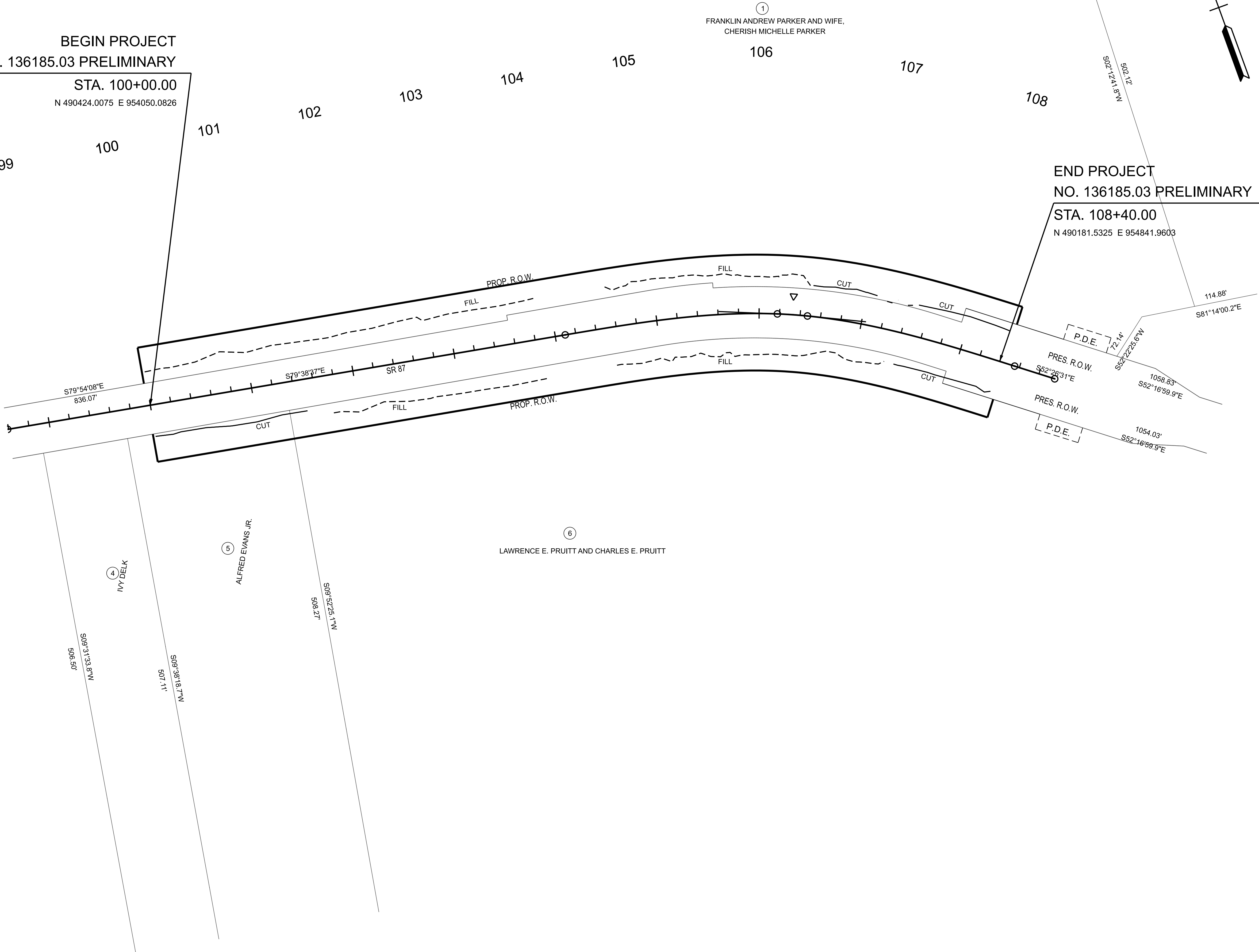
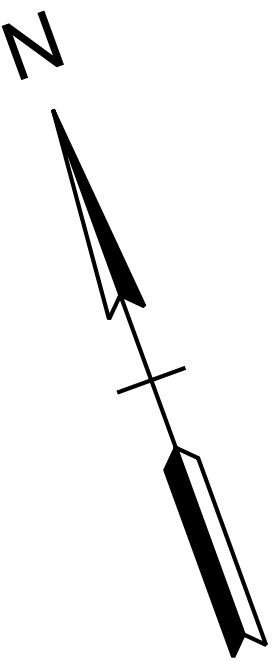
TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		3A

BEGIN PROJECT
NO. 136185.03 PRELIMINARY

STA. 100+00.00
N 490424.0075 E 954050.0826

END PROJECT
NO. 136185.03 PRELIMINARY

STA. 108+40.00
N 490181.5325 E 954841.9603



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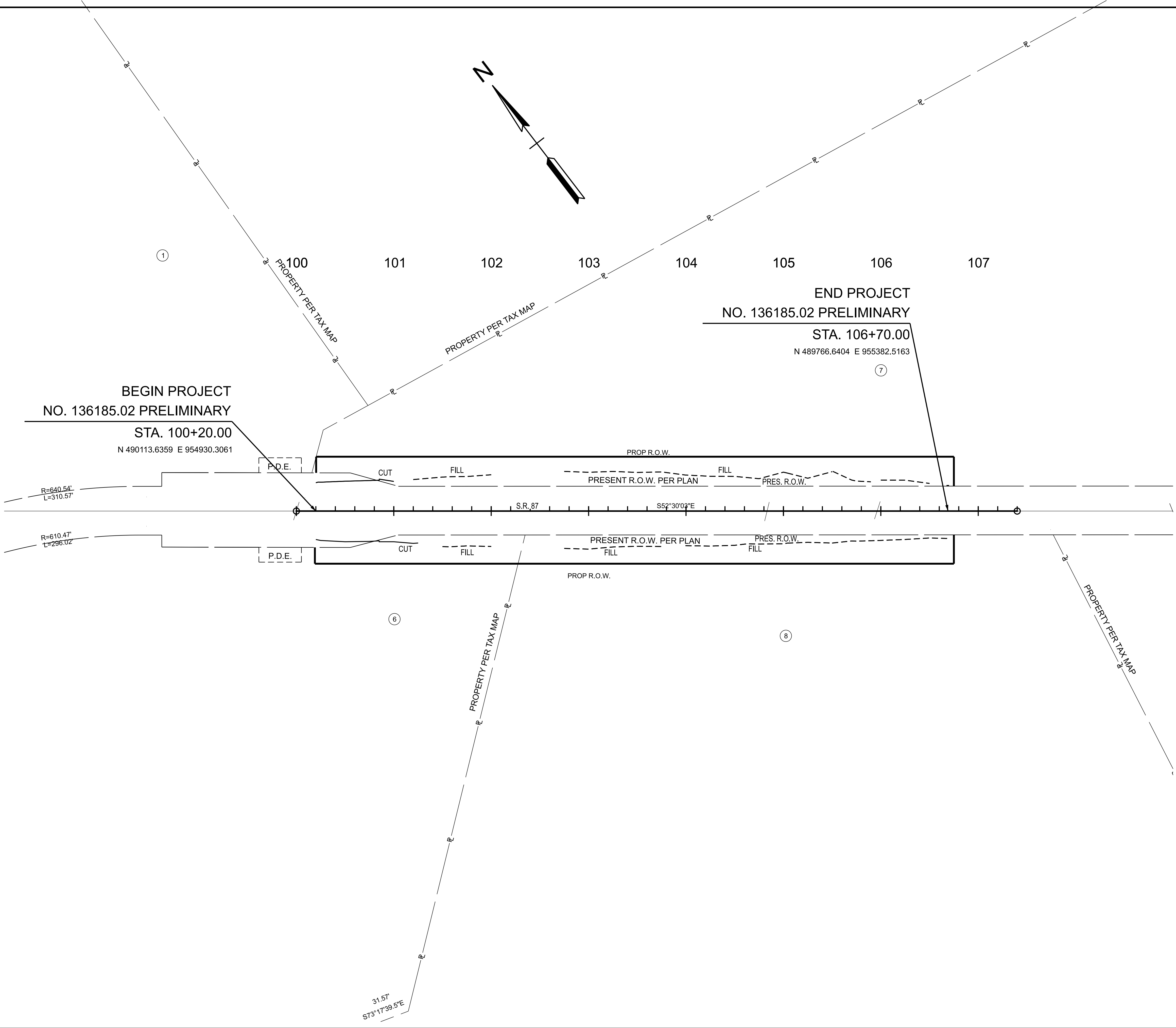
COORDINATES ARE NAD 83(), ARE
DATUM ADJUSTED BY THE FACTOR
OF AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID .

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY
MAP

STA. 98+59.08 TO STA. 110+59.08
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		3A



SEALED BY

COORDINATES ARE NAD 83(), ARE DATUM ADJUSTED BY THE FACTOR OF AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID .

**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**PROPERTY
MAP**

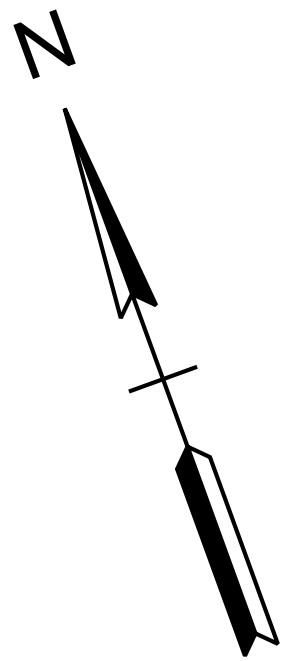
STA. 100+20.00 TO STA. 105+90.00
SCALE: 1" = 50'

BEGIN PROJECT
NO. 136185.03 PRELIMINARY

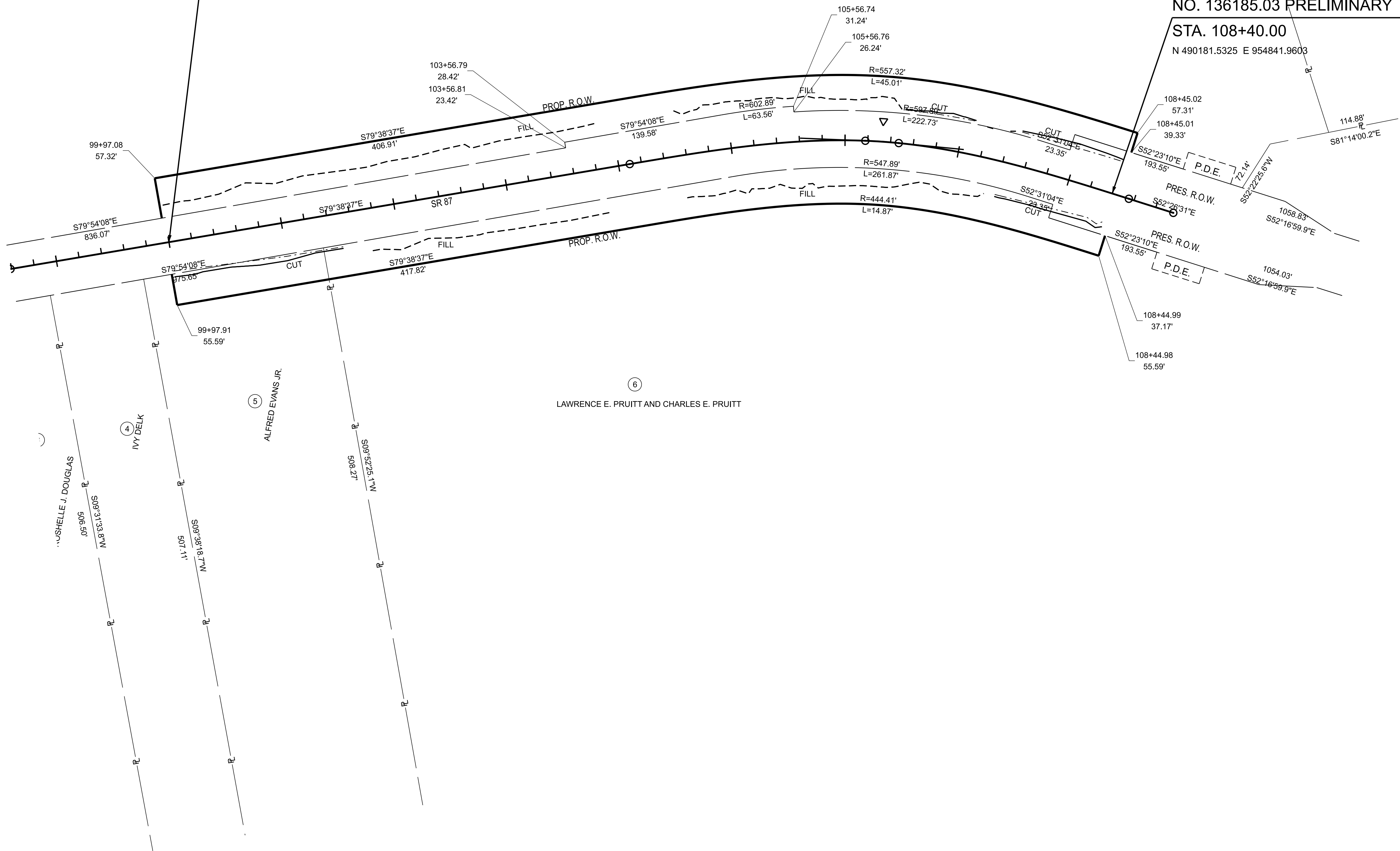
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END PROJECT
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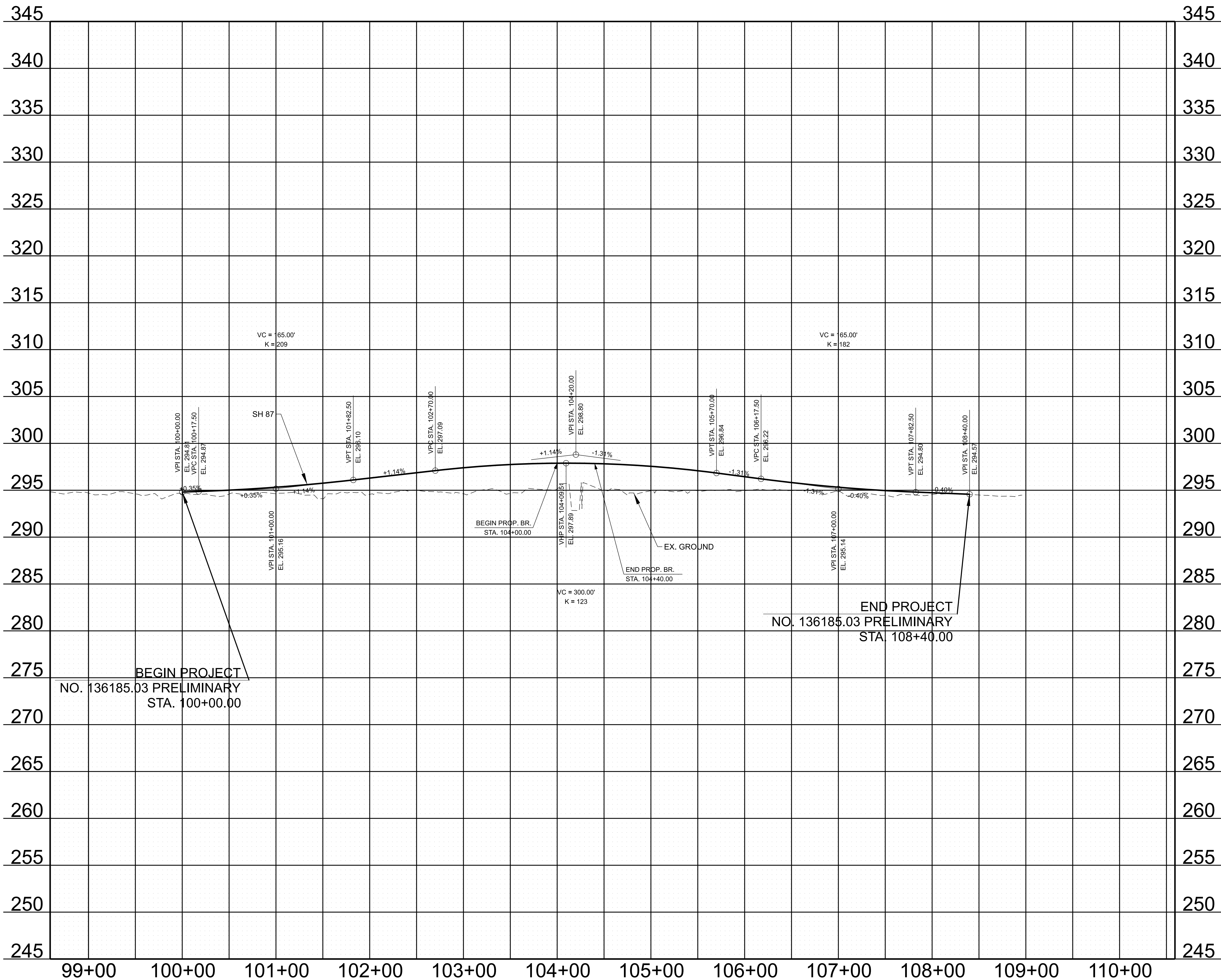


TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		4A



SEALED BY	
COORDINATES ARE NAD 83(), ARE DATUM ADJUSTED BY THE FACTOR OF AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOD .	
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION	
ROW DETAILS	
STA. 98+59.08 TO STA. 110+59.08 SCALE: 1" = 50'	

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TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		4C

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COORDINATES ARE NAD 83(), ARE DATUM ADJUSTED BY THE FACTOR OF AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID .

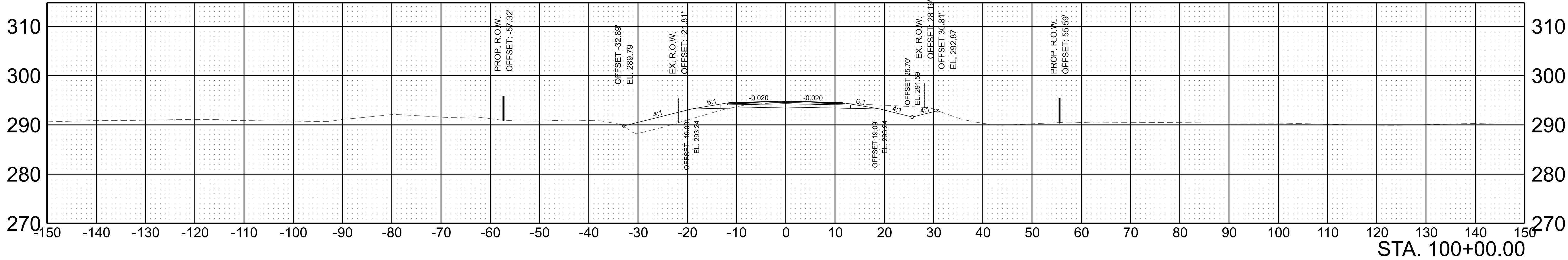
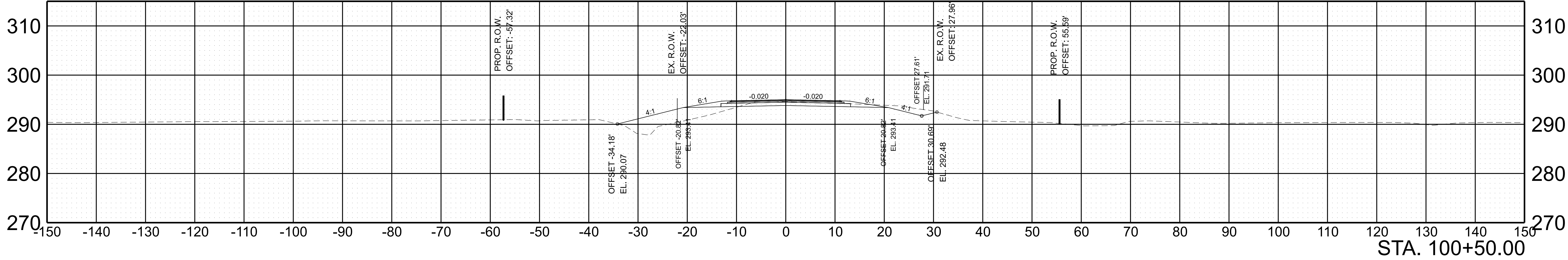
**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**PROPOSED
PROFILE**

STA. 98+59.08 TO STA. 110+59.08

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

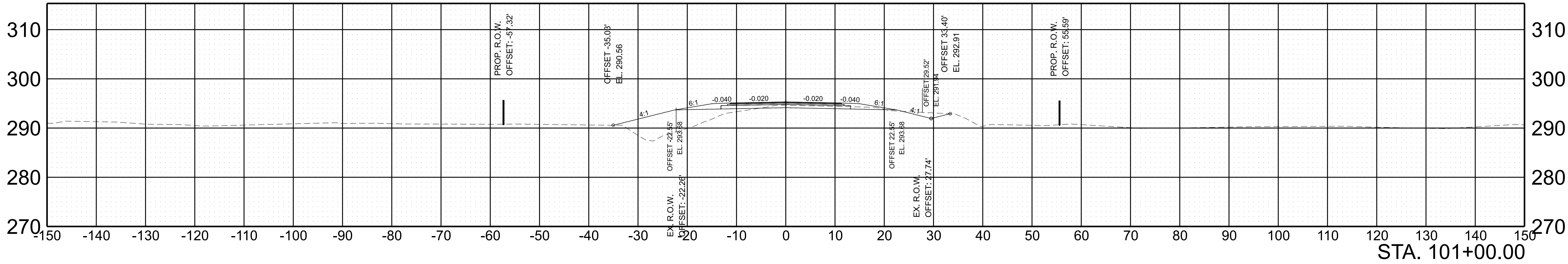
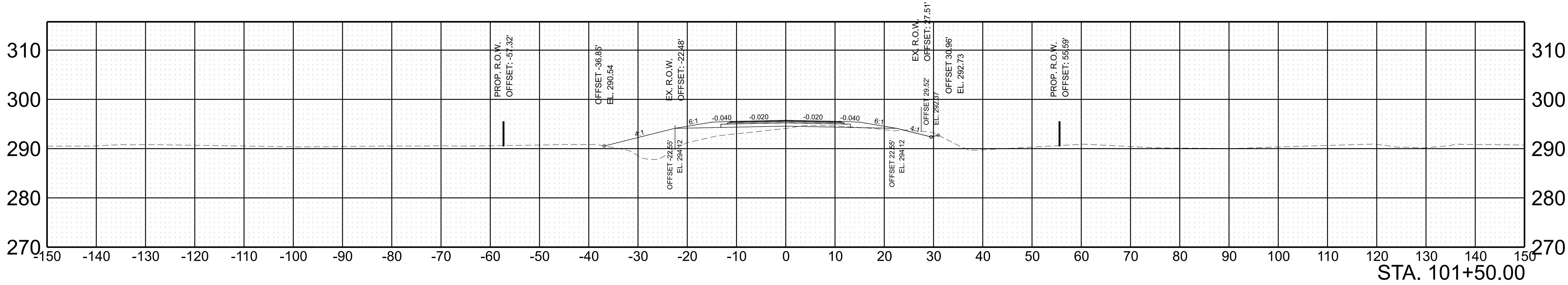
TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		5



SCALE: 1"=10' HORIZ.	BEGIN STA. 100+00.00
1"=10' VERT.	END STA. 100+50.00

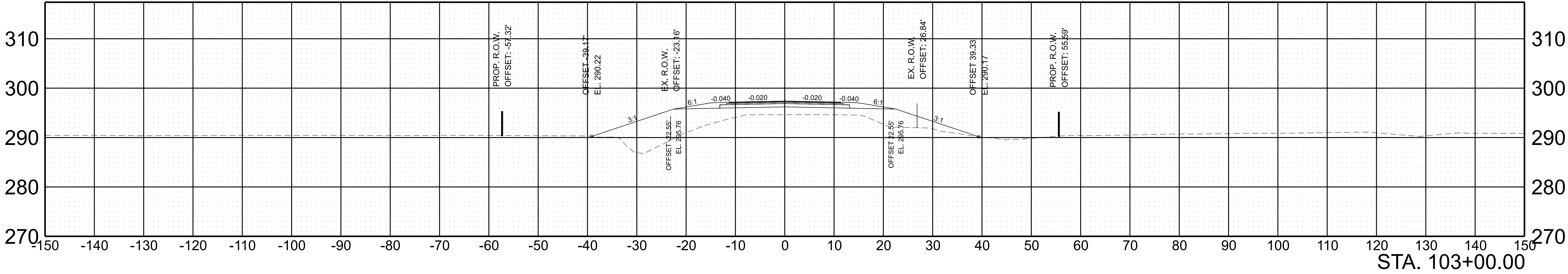
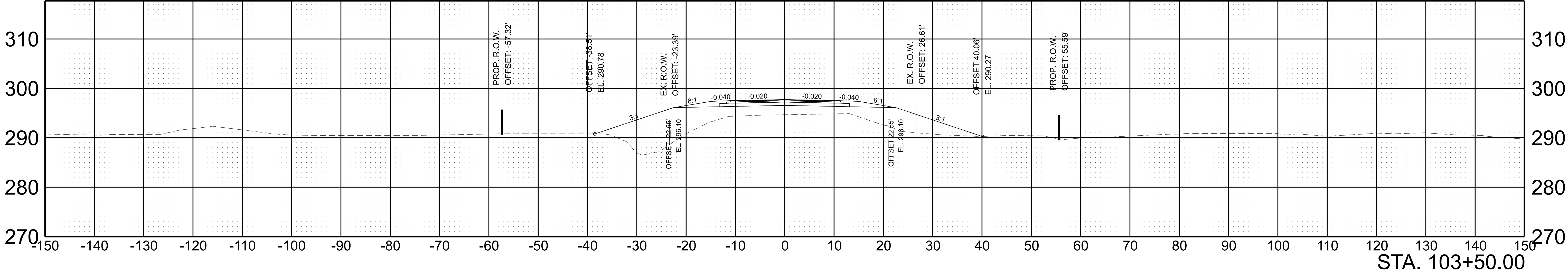
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TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		6



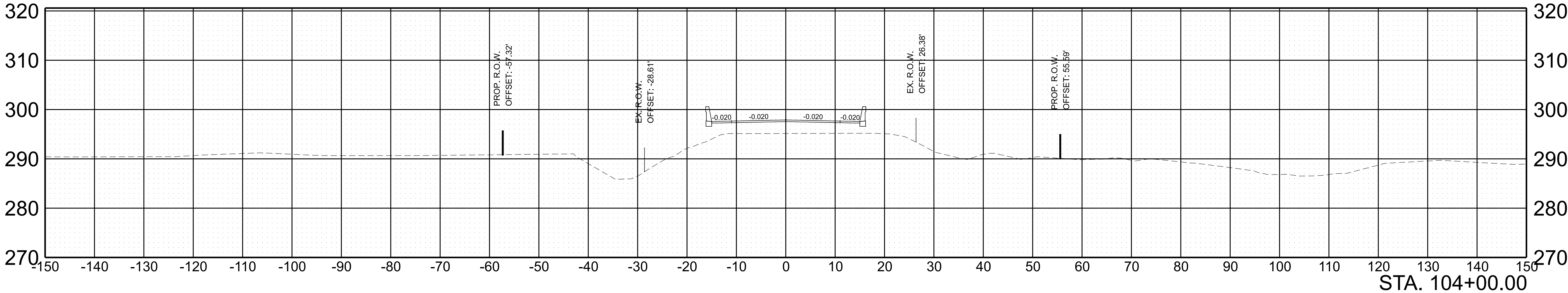
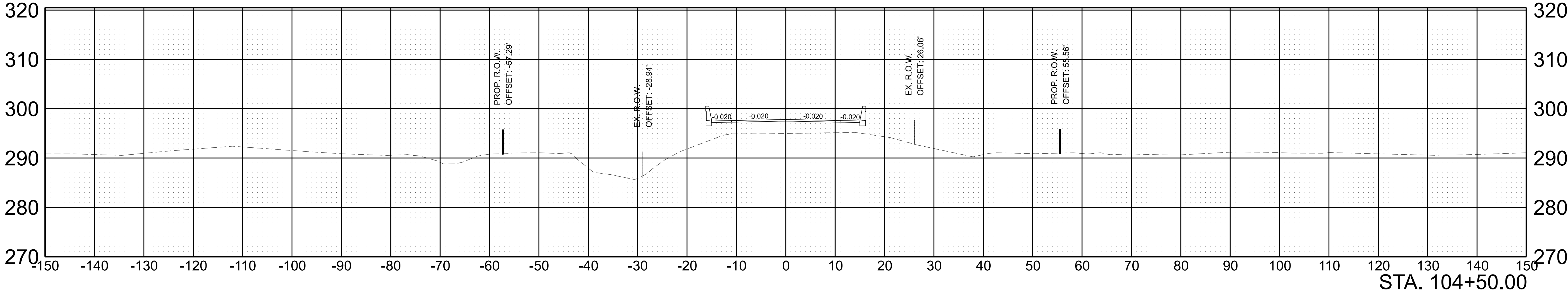
SCALE:	1"=10' HORIZ.	BEGIN STA. 101+00.00
	1"=10' VERT.	END STA. 101+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		8



SCALE: 1"=10' HORIZ.	BEGIN STA. 103+00.00
1"=10' VERT.	END STA. 103+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		9

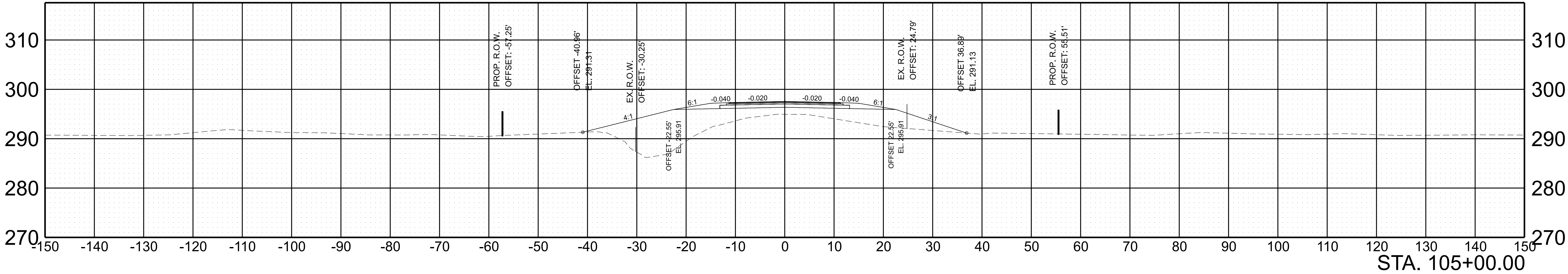
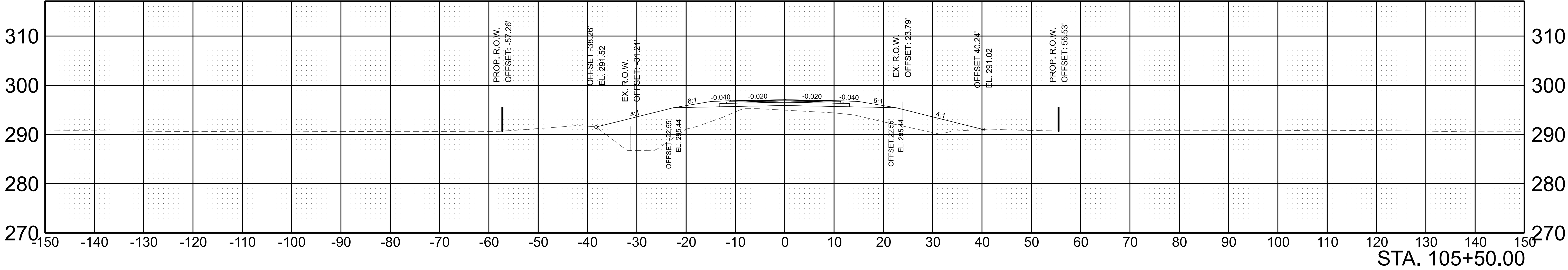


SCALE: 1"=10' HORIZ.
1"=10' VERT.

BEGIN STA. 104+00.00
END STA. 104+50.00

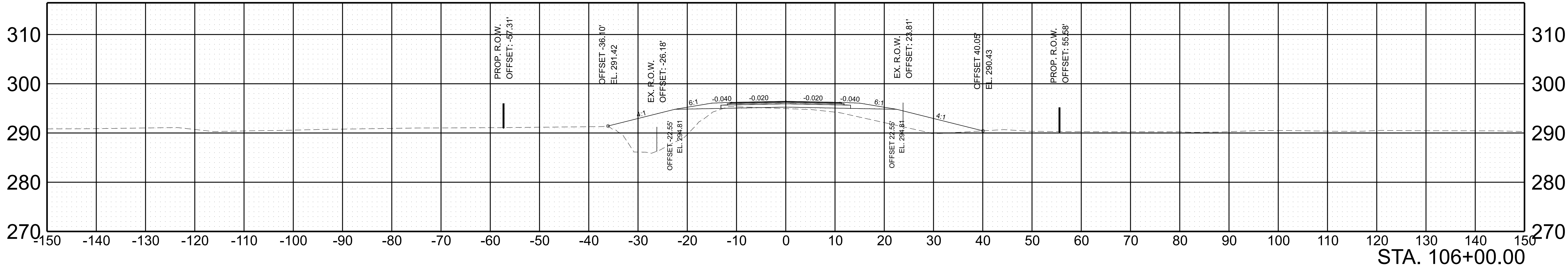
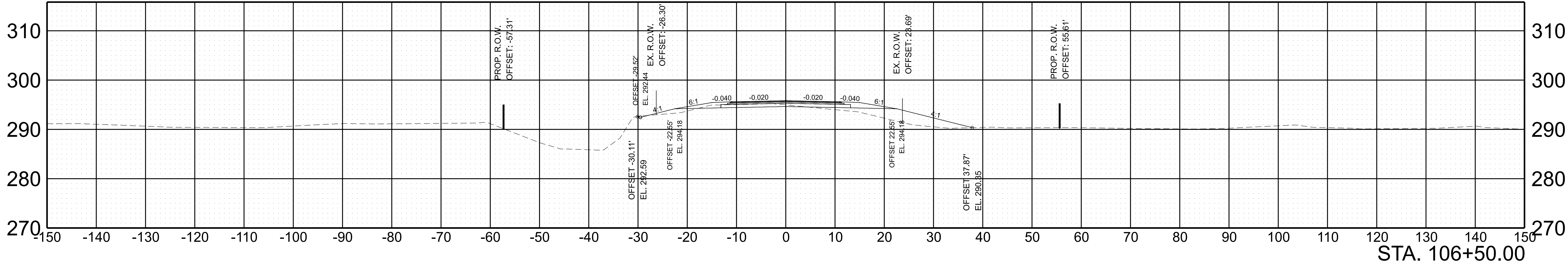
TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		10

REV. ***DATE***
TEXT



SCALE: 1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 105+00.00 END STA. 105+50.00
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TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		11



SCALE:	1"=10' HORIZ.	BEGIN STA. 106+00.00
	1"=10' VERT.	END STA. 106+50.00

