

LINE AND GRADE INDEX OF SHEETS

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LAUDERDALE COUNTY

STATE ROUTE 371
BRIDGE OVER
BRANCH L.M. 1.39

LINE AND GRADE BRIDGE REPLACEMENT

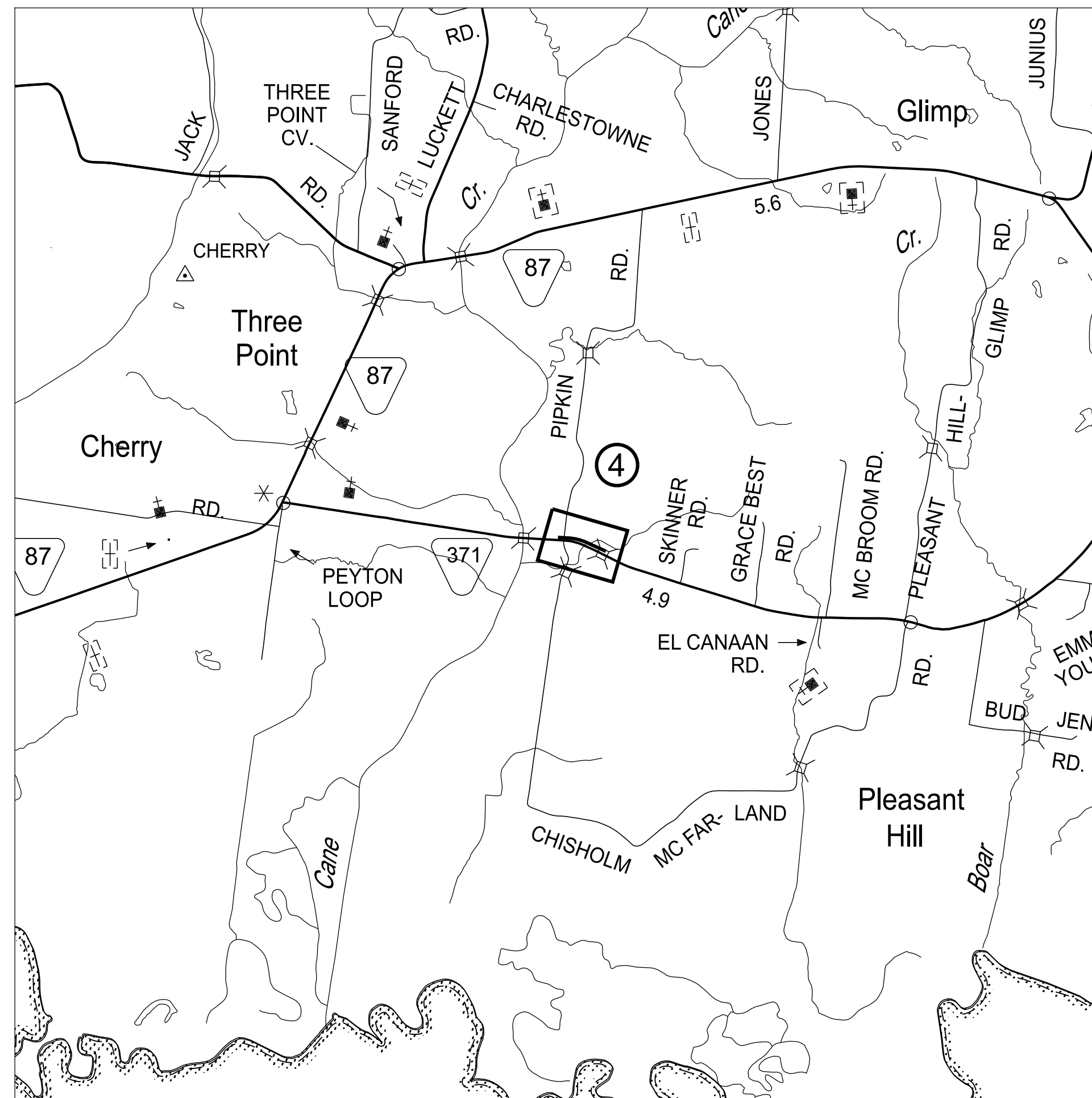
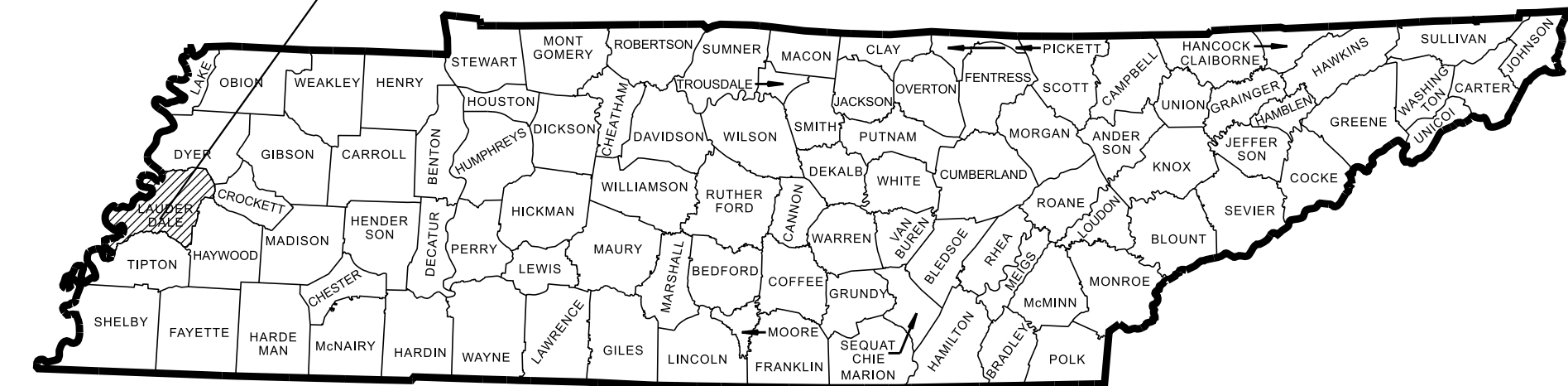
STATE HIGHWAY NO. 87 F.A.H.S. NO.

DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES	NO
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TENN.	YEAR	SHEET NO.
	2025	1
FED. AID PROJ. NO.		
STATE PROJ. NO.		

PROJECT LOCATION

BRIDGE ID. # 49SR0872003



SCALE: 1"= 1/2 MILE

0 2640 5280 7920

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).

NO EXCLUSIONS

**CAUTION !
PRELIMINARY
PLANS
SUBJECT TO
CHANGE**

SEALED BY

DESIGN EXCEPTION
APPROVED - -

1) DESIGN SPEED EXCEPTION FOR VERTICAL CURVES.
DESIGN SPEED OF 30 MPH USED. (PENDING)

APPROVED:

DEPUTY COMMISSIONER /
CHIEF ENGINEER

DATE:

APPROVED:

DEPUTY GOVERNOR &
COMMISSIONER

SURVEY - -	TRAFFIC DATA	
	ADT (2029)	120
	ADT (2049)	
	DHV (2029)	15
	D	-
	T (ADT)	2.0%
	T (DHV)	%
	V	30 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 ____

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR

DATE _____

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

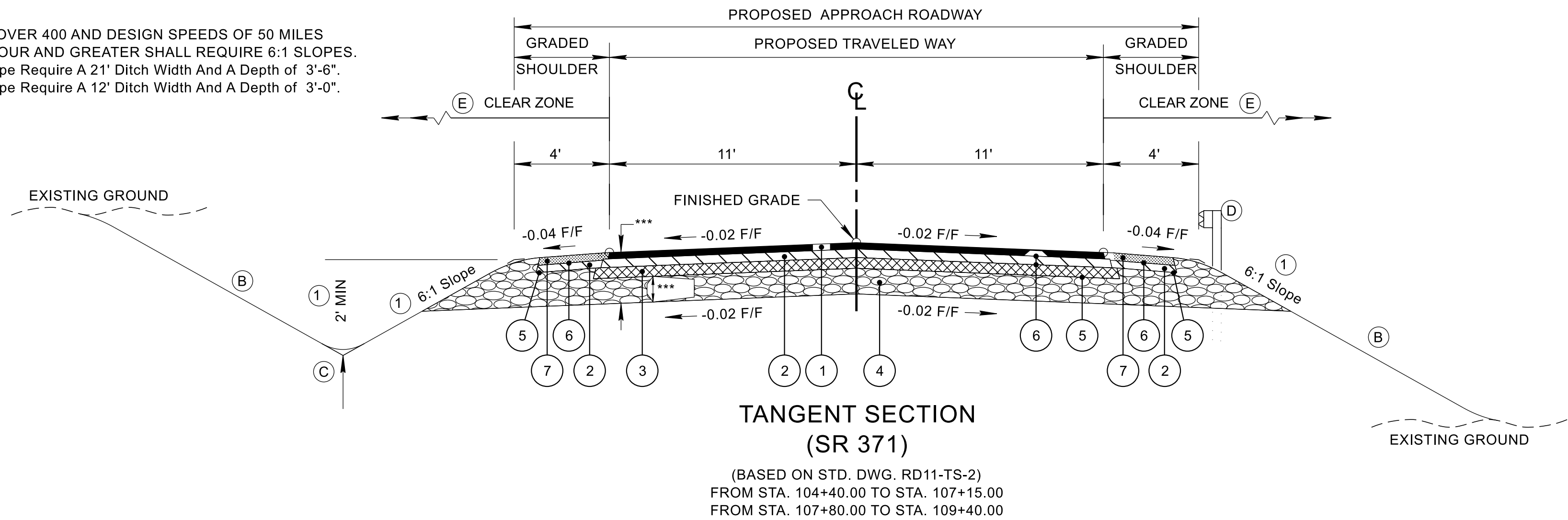
DESIGNER : _____ CHECKED BY _____

P.E. NO. _____

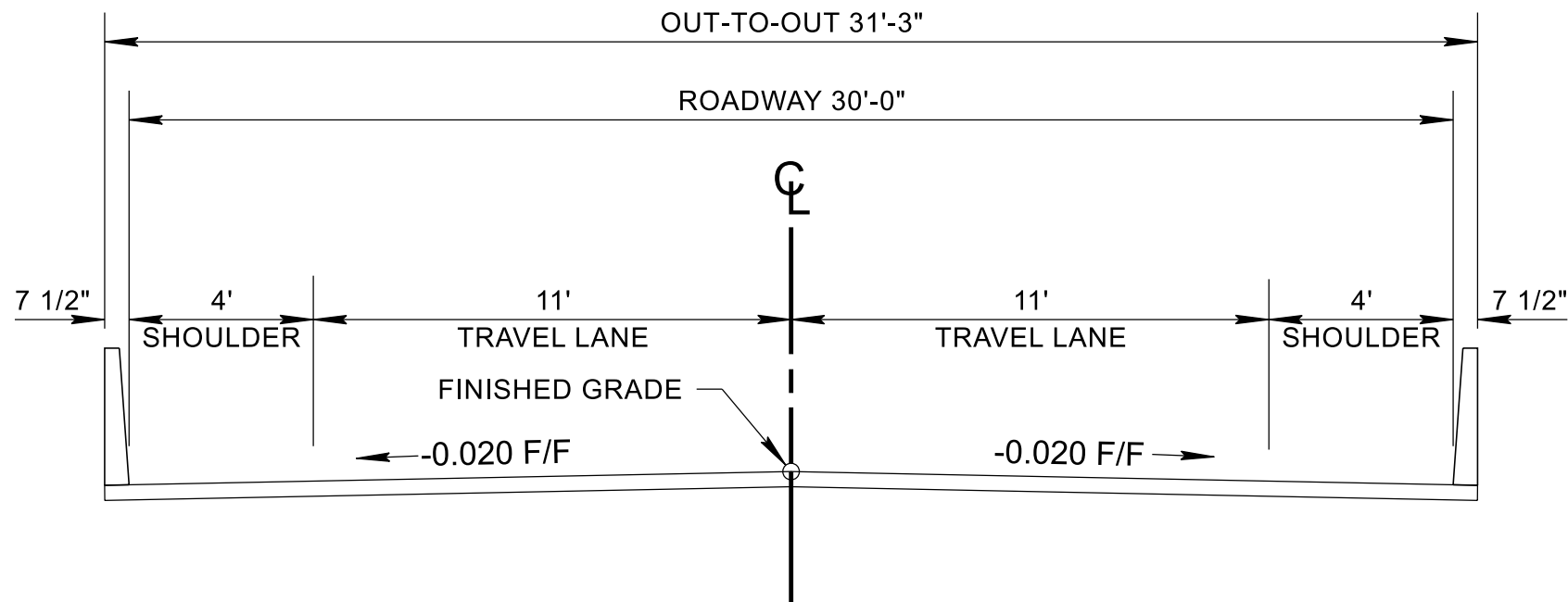
PIN NO. 136185.13

TYPE	YEAR	PROJECT NO.	SHEET NO.
			2B

① ADTS OVER 400 AND DESIGN SPEEDS OF 50 MILES PER HOUR AND GREATER SHALL REQUIRE 6:1 SLOPES. 6:1 Slope Require A 21' Ditch Width And A Depth of 3'-6". 4:1 Slope Require A 12' Ditch Width And A Depth of 3'-0".



- ① THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.
- ② 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.
- ③ SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.
- ④ SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.
- ⑤ 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. 345 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"	

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
TYPICAL SECTION

TYPE	YEAR	PROJECT NO.	SHEET NO.
			3A

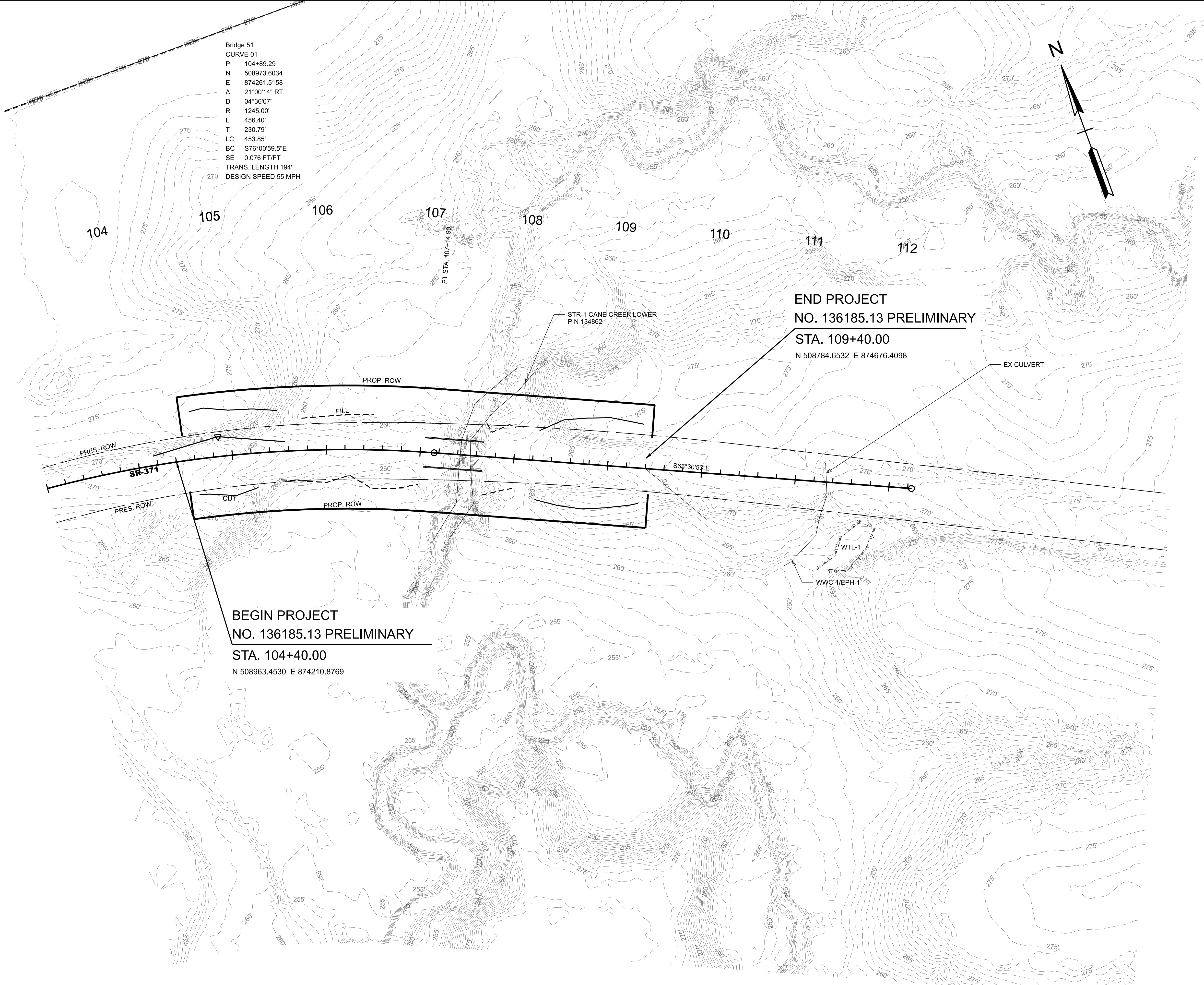
R.O.W. ACQUISITION TABLE						R.O.W. ACQUISITION TABLE													
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (SQUARE FEET)					
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM DRAINAGE	SLOPE	CONST	AIR RIGHTS	PERM RAILROAD	
				BOOK	PAGE														
1	WADE CROMWELL, REGINA WHITLEY, AND TINA DUNN	115	029.00	RB 704	136	135.540		135.540				135.540							
2	UNITED STATES OF AMERICA	126	003.00	RB 620	718		868.980	868.980					868.980						
3	PARKER FULLEN AND MICHAEL FULLEN PARTNERS	125	035.00	RB 749	163		663.050	663.050		0.371	0.371		662.679						
4	PARKER FULLEN AND MICHAEL FULLEN PARTNERS	125	035.00	RB 749	163	36.170		36.170	0.438		0.438	35.732							
ACQUISITION TOTALS (ACRES)									0.809										

DISTURBED AREA	
IN BETWEEN SLOPE LINES	0.747 (AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	0.519 (AC)
TOTAL DISTURBED AREA	1.266 (AC)
TOTAL PROJECT AREA	1.462 (AC)

SEALED BY

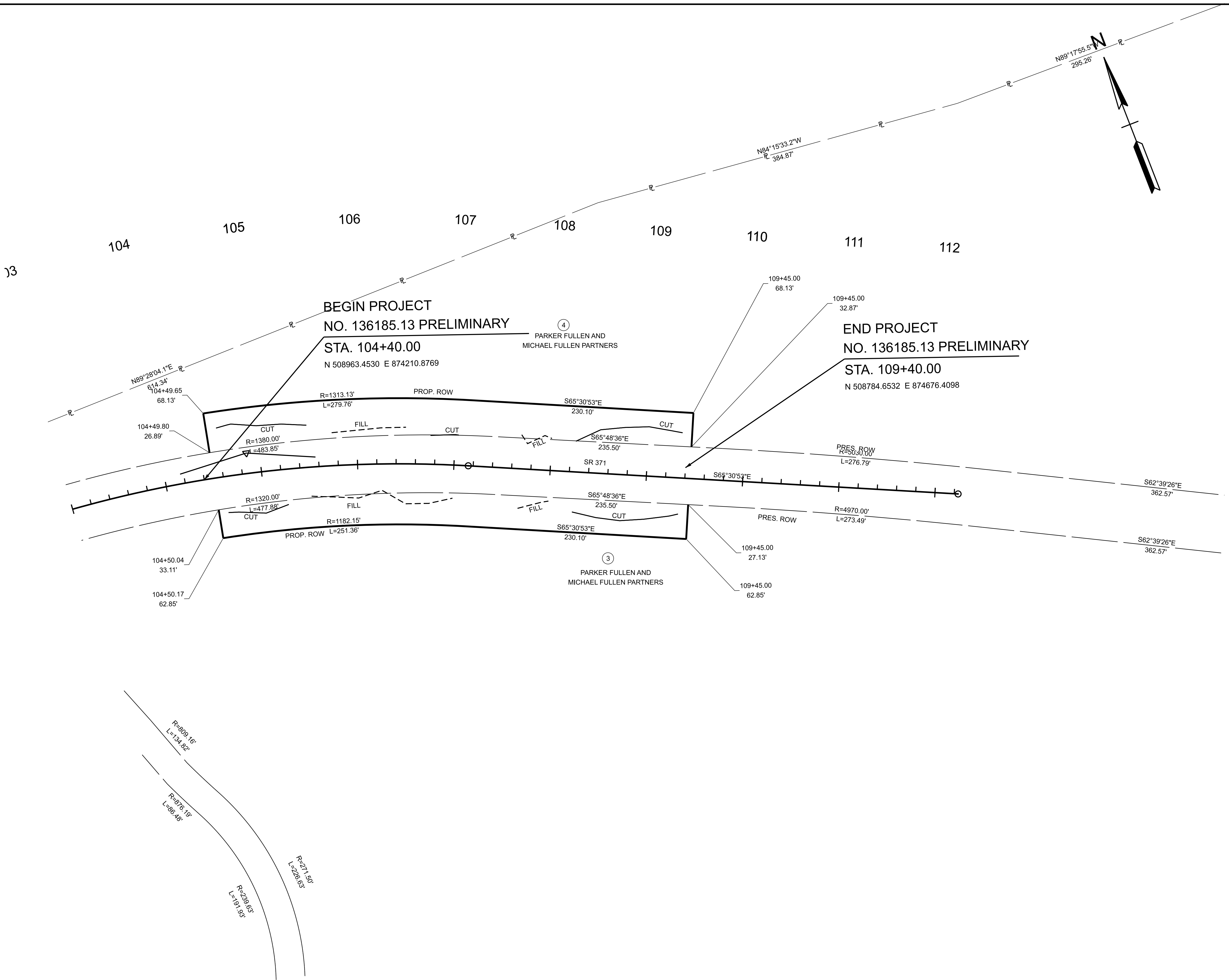
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
RIGHT-OF-WAY ACQUISITION TABLE

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



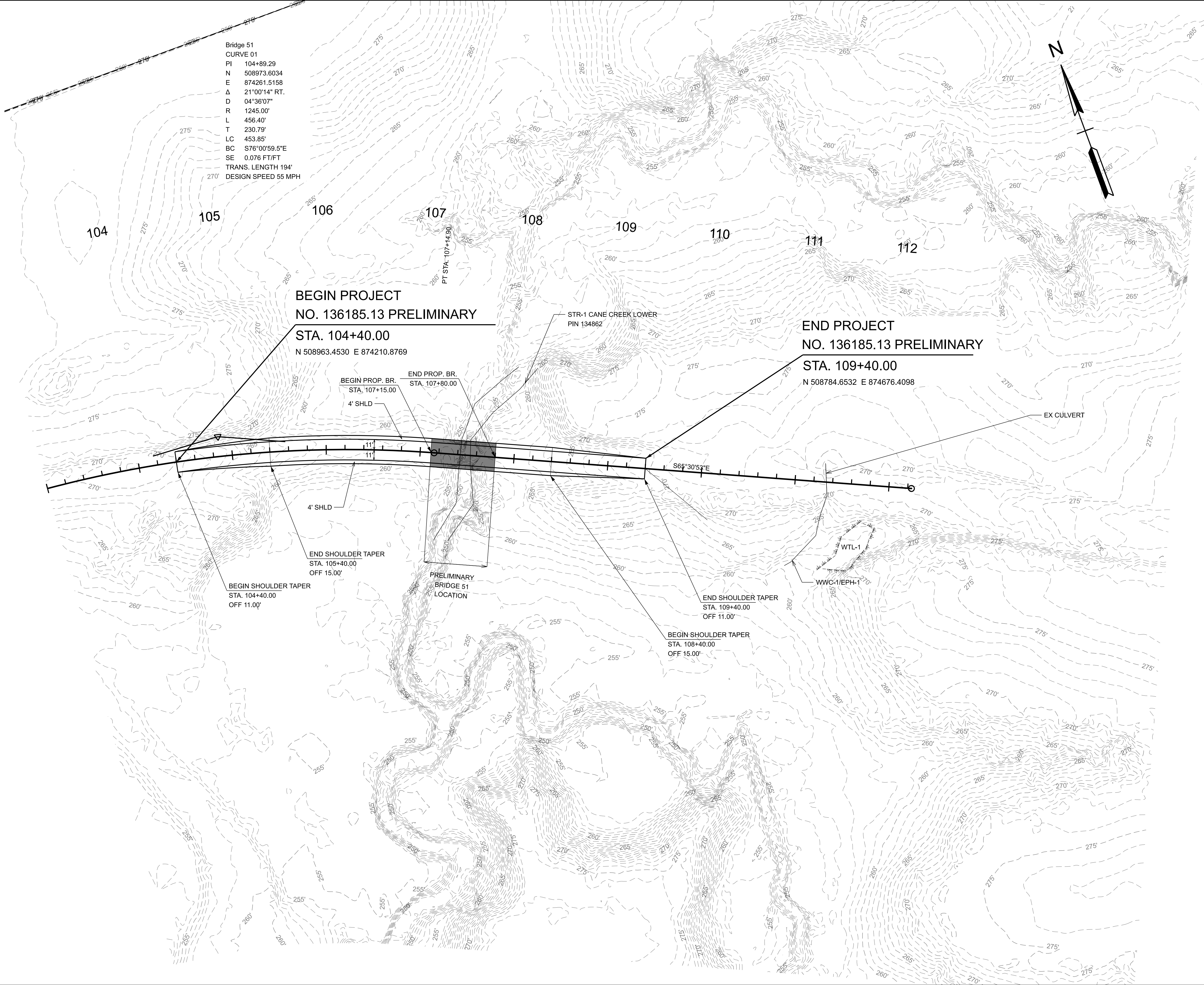
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COORDINATES ARE NAD 83(), ARE DATUM ADJUSTED BY THE FACTOR OF AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID .
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
PRESENT LAYOUT

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 GEOID .
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
ROW DETAILS
STA. 103+00.00 TO STA. 115+00.00 SCALE: 1" = 50'

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



Bridge 51
CURVE 01
PI 104+89.29
N 508973.6034
E 874261.5158
Δ 21°00'14" RT.
D 04°36'07"
R 1245.00'
L 456.40'
T 230.79'
LC 453.85'
BC S76°00'59.5"E
SE 0.076 FT/FT
TRANS. LENGTH 194'
DESIGN SPEED 55 MPH

BEGIN PROJECT
NO. 136185.13 PRELIMINARY

STA. 104+40.00
N 508963.4530 E 874210.8769

BEGIN PROP. BR.
STA. 107+15.00

END PROP. BR.
STA. 107+80.00

4' SHLD

END SHOULDER TAPER
STA. 105+40.00
OFF 15.00'

BEGIN SHOULDER TAPER
STA. 104+40.00
OFF 11.00'

PRELIMINARY
BRIDGE 51
LOCATION

STR-1 CANE CREEK LOWER
PIN 134862

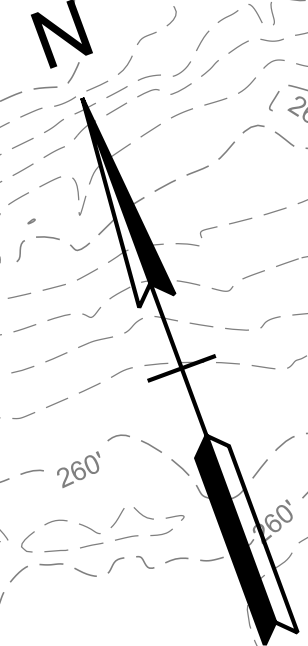
END PROJECT
NO. 136185.13 PRELIMINARY

STA. 109+40.00
N 508784.6532 E 874676.4098

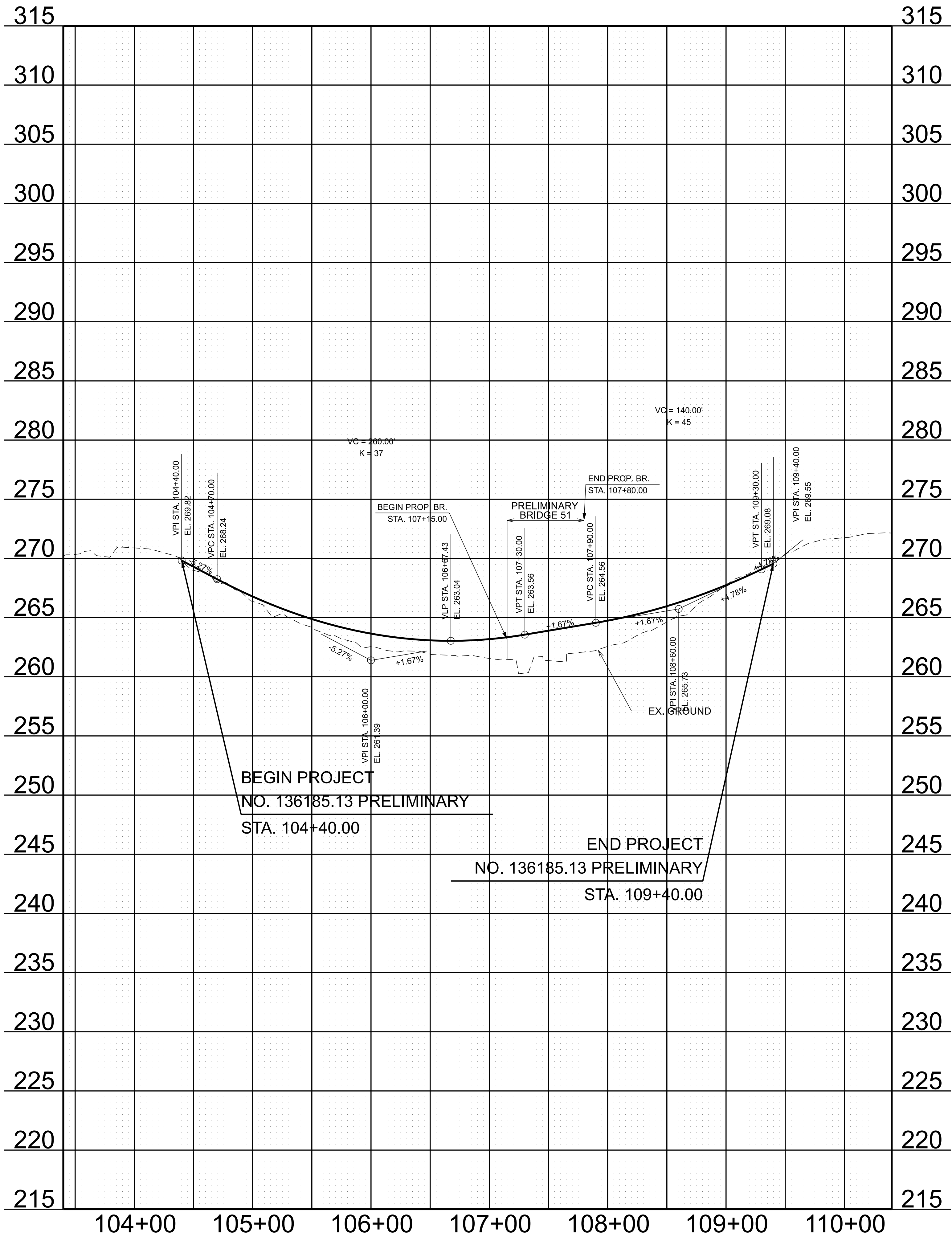
S65°30'53"E

END SHOULDER TAPER
STA. 109+40.00
OFF 11.00'

BEGIN SHOULDER TAPER
STA. 108+40.00
OFF 15.00'



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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 LAYOUT



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

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

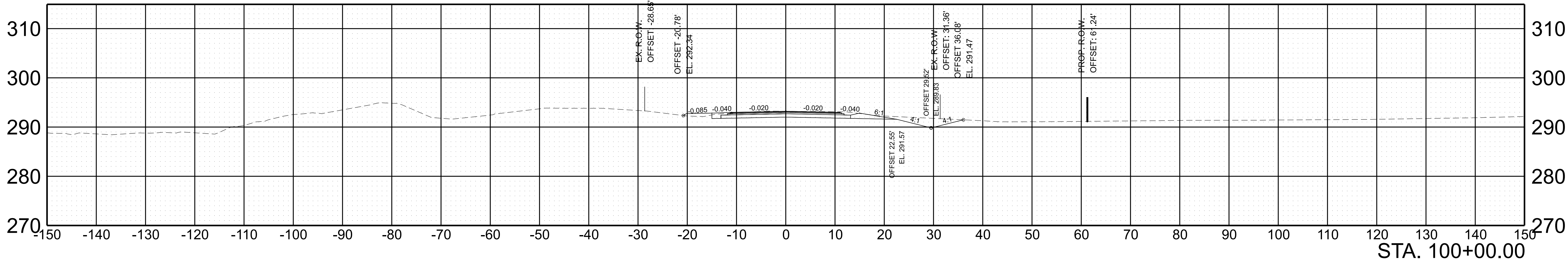
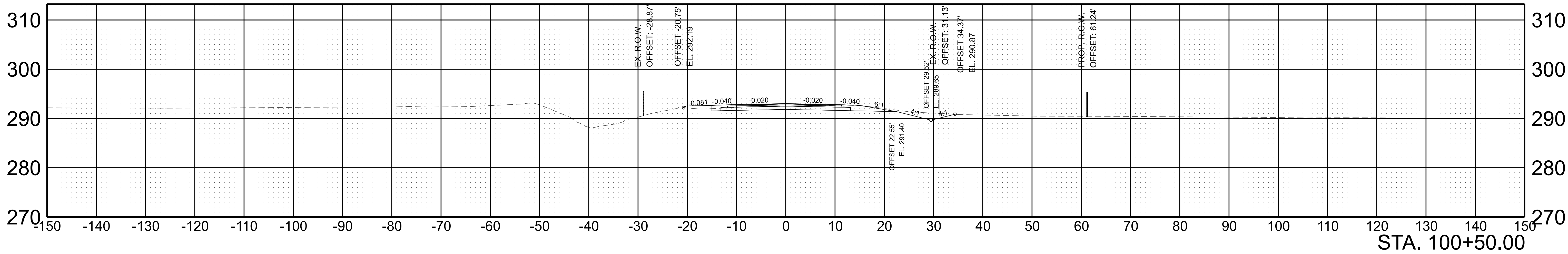
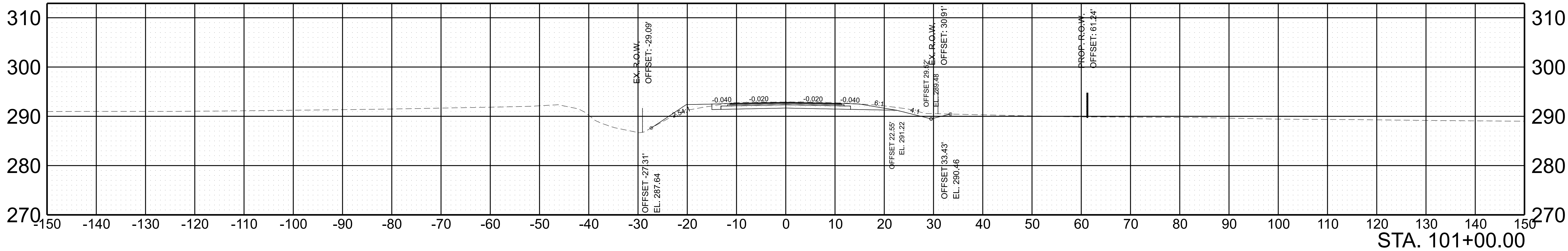
PROPOSED
PROFILE

STA. 103+40.00 TO STA. 110+40.00

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

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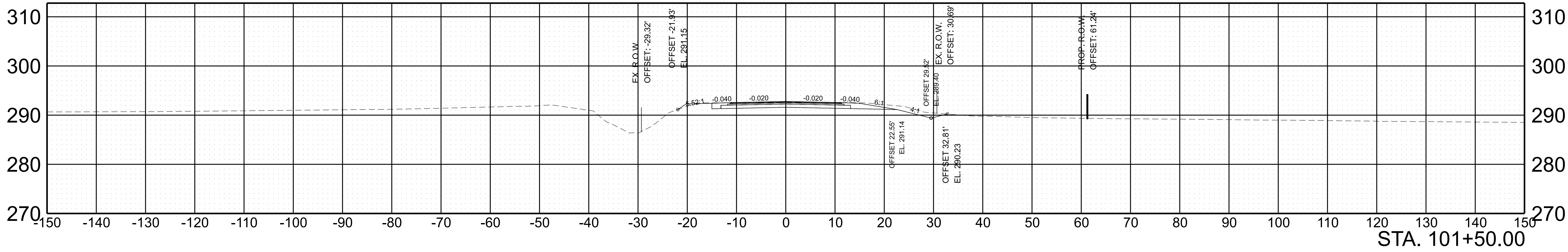
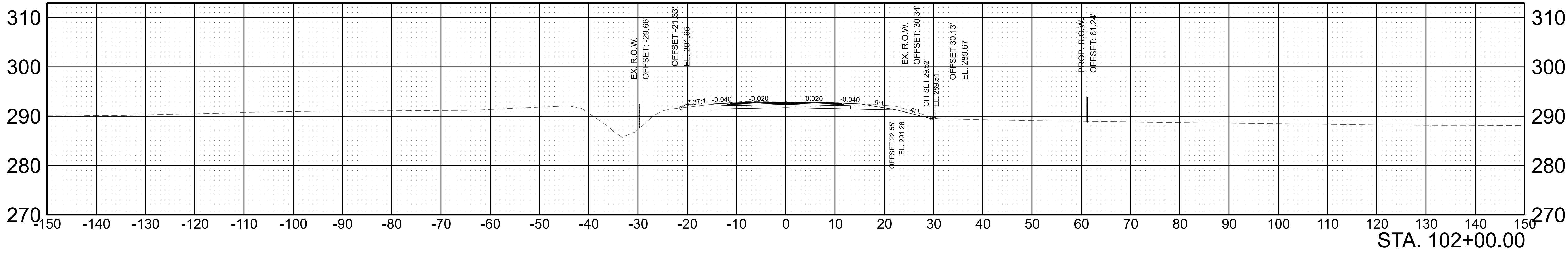
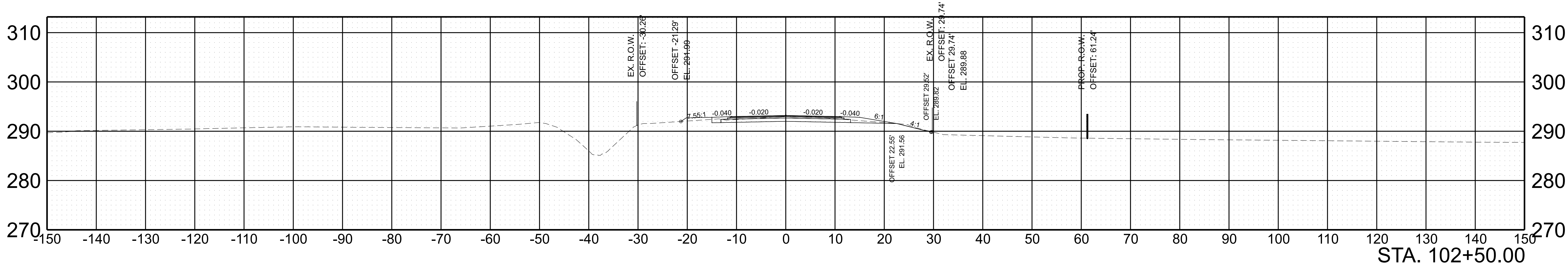
TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		5



SCALE: 1"=10' HORIZ.	BEGIN STA. 100+00.00
1"=10' VERT.	END STA. 101+00.00

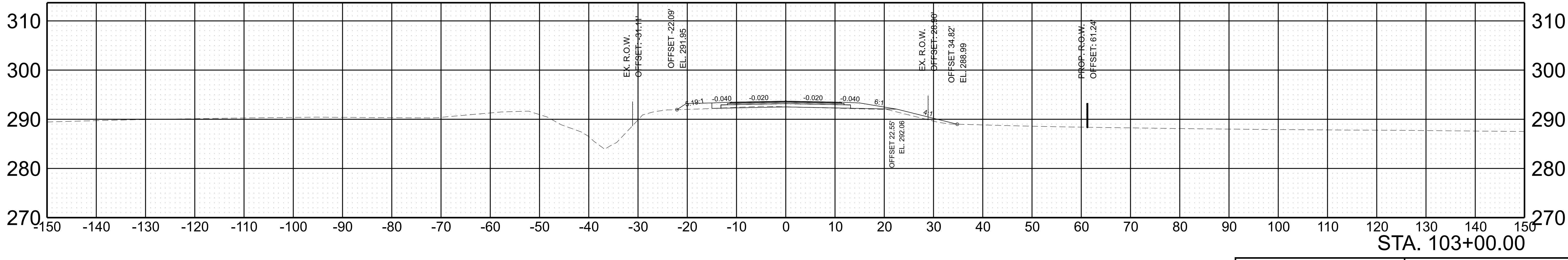
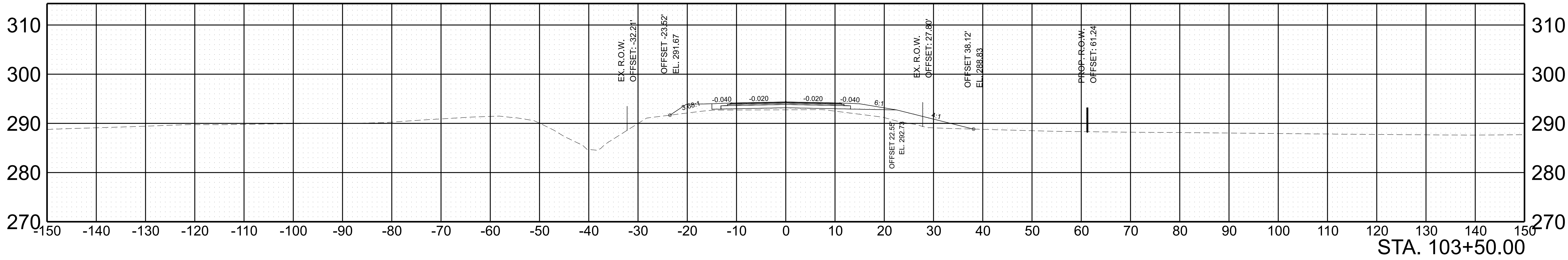
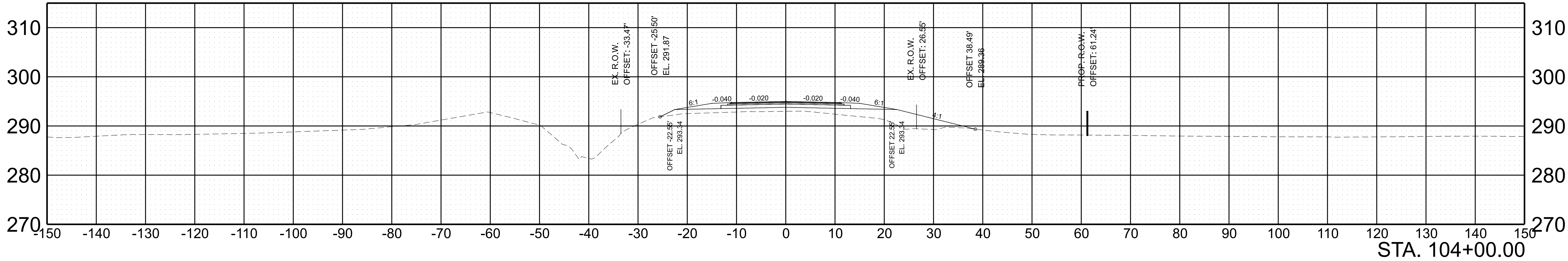
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TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		6



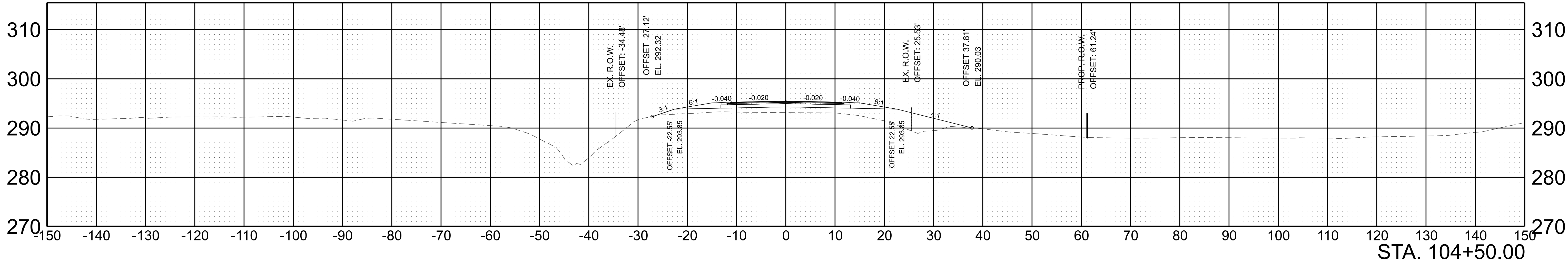
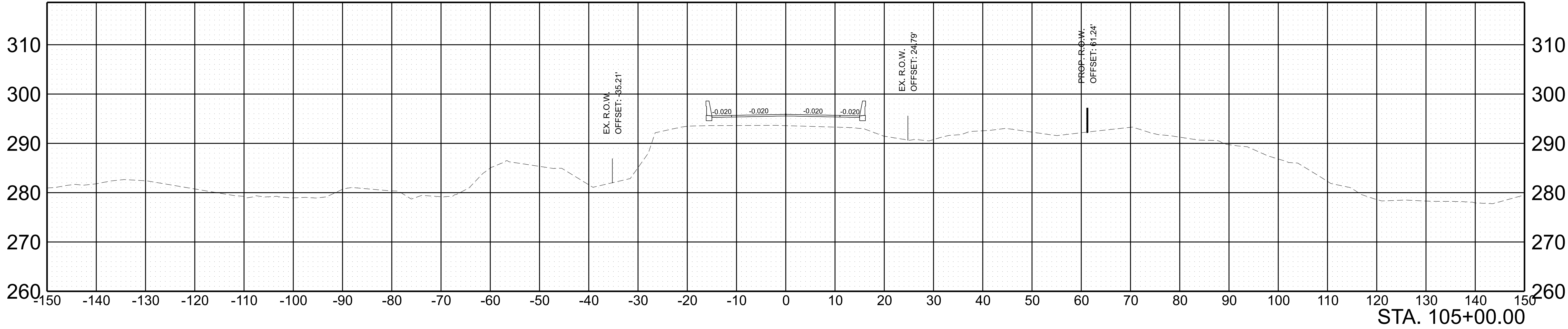
SCALE: 1"=10' HORIZ.	BEGIN STA. 101+50.00
1"=10' VERT.	END STA. 102+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		7



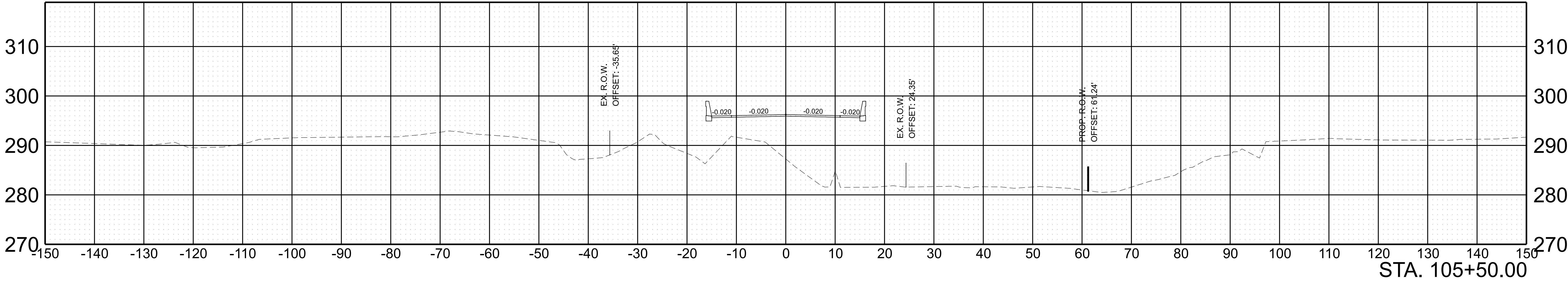
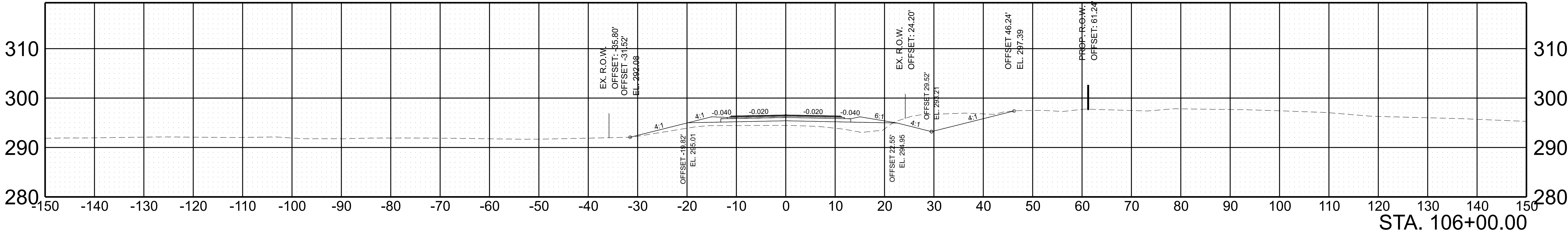
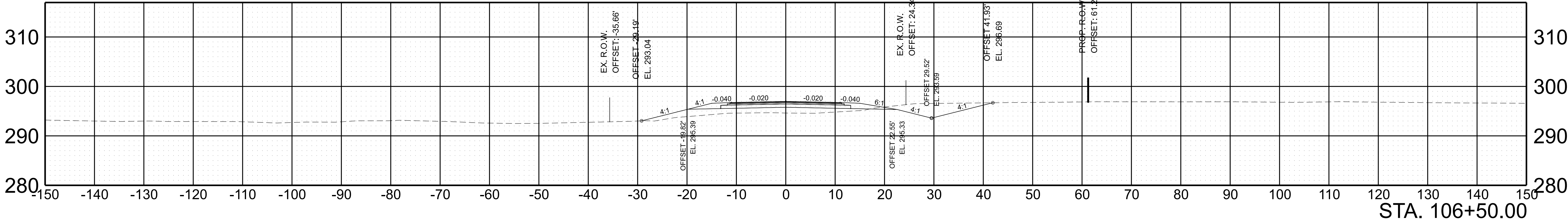
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TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		8



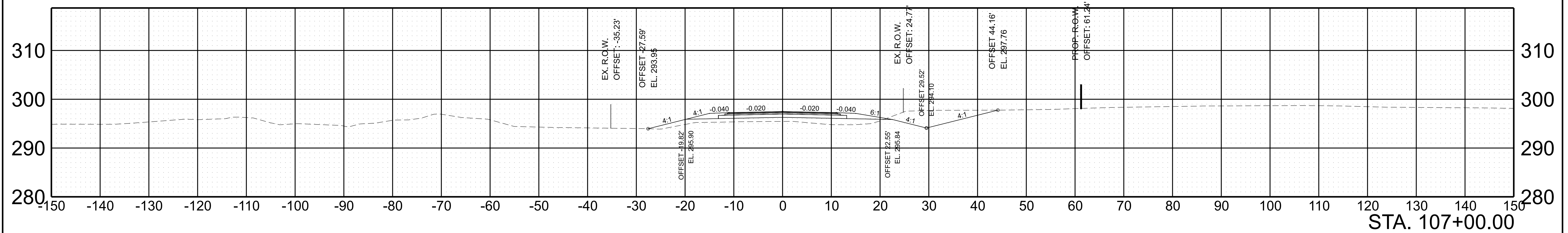
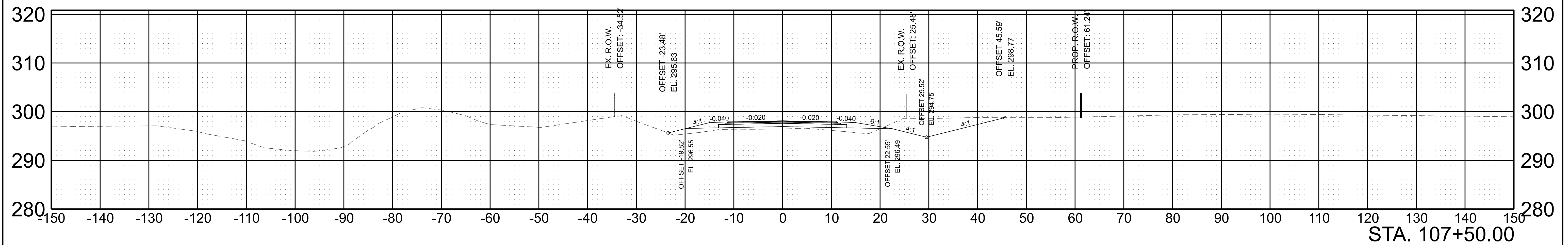
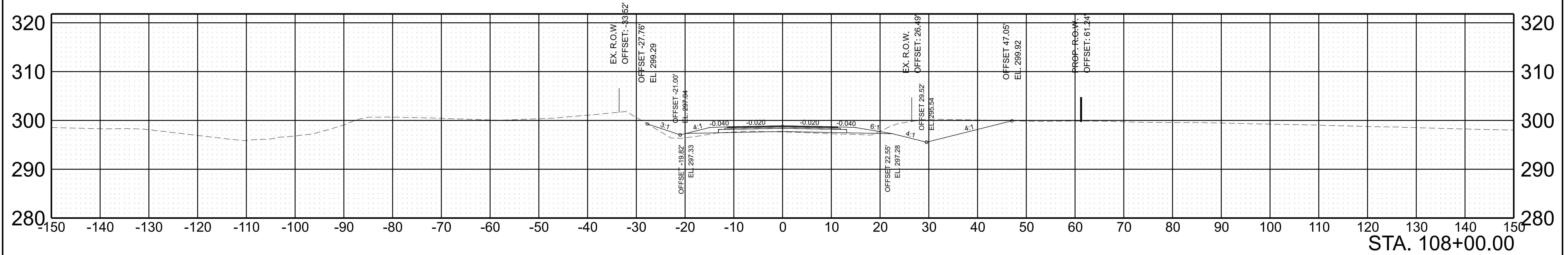
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	1"=10' VERT.	END STA. 105+00.00

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



SCALE: 1"=10' HORIZ.	BEGIN STA. 105+50.00
1"=10' VERT.	END STA. 106+50.00

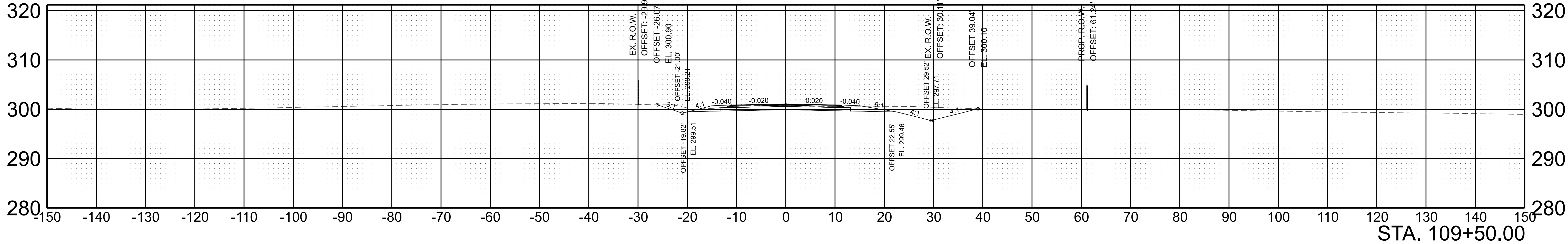
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L&G	2025		10



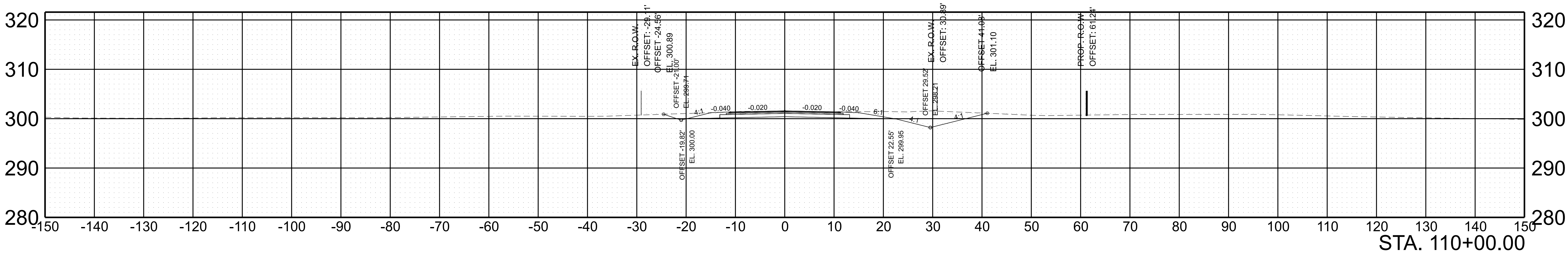
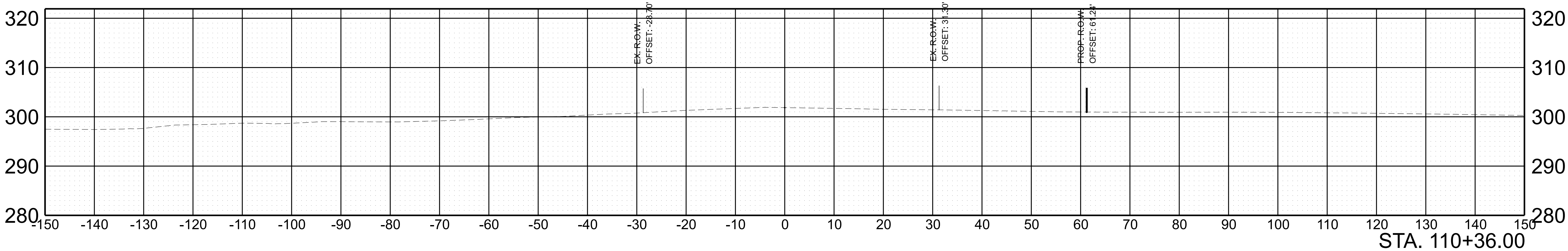
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1"=10' VERT.	END STA. 108+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		11



TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025		12



SCALE:	1"=10' HORIZ.	BEGIN STA. 110+00.00
	1"=10' VERT.	END STA. 110+36.00