

Index Of Sheets

TITLE SHEET	1
TYPICAL SECTIONS.....	2 - 5
BASE TECHNICAL CONCEPT LAYOUTS.....	6 - 9
BASE TECHNICAL CONCEPT PROFILES.....	10 - 14

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES X	NO
---	-------	----

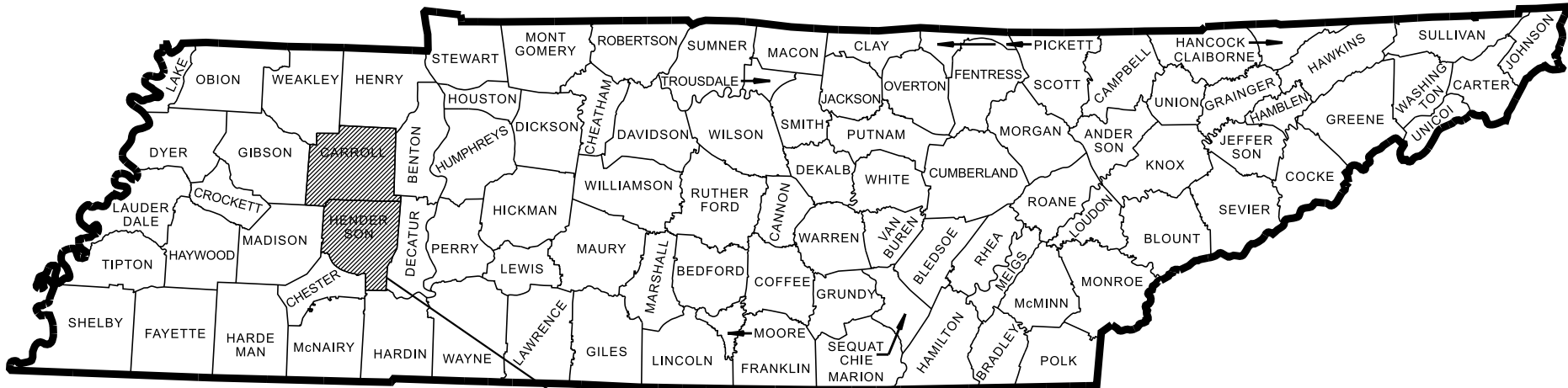
TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	BR-HIP-114(18)	
STATE PROJ. NO.	39S114-F0-002	

HENDERSON, CARROLL COUNTIES

SR 114 (NATCHEZ TRACE ROAD)
BRIDGES OVER I-40
HENDERSON COUNTY LM 26.47
AND CARROLL COUNTY LM 0.03 (EXIT 116)(GFT-26)(TMA)

LINE AND GRADE
BRIDGE REPLACEMENT

STATE HIGHWAY NO. 114 F.A.H.S. NO. N/A



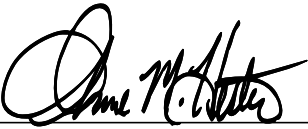
PROJECT LOCATION
BRIDGE ID. # 39I00400031 39I00400041

NO EXCLUSIONS

ROAD TO BE CLOSED
DURING CONSTRUCTION

LINE
AND
GRADE

SEALED BY

APPROVED: 
SHANE HESTER, CHIEF ENGINEER

DATE:

APPROVED: 
WILL REID, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR DATE

39S114-F0-002
END PROJECT NO. BR-HIP-114(18) PRELIMINARY
STA. 117+00.00 SR-114

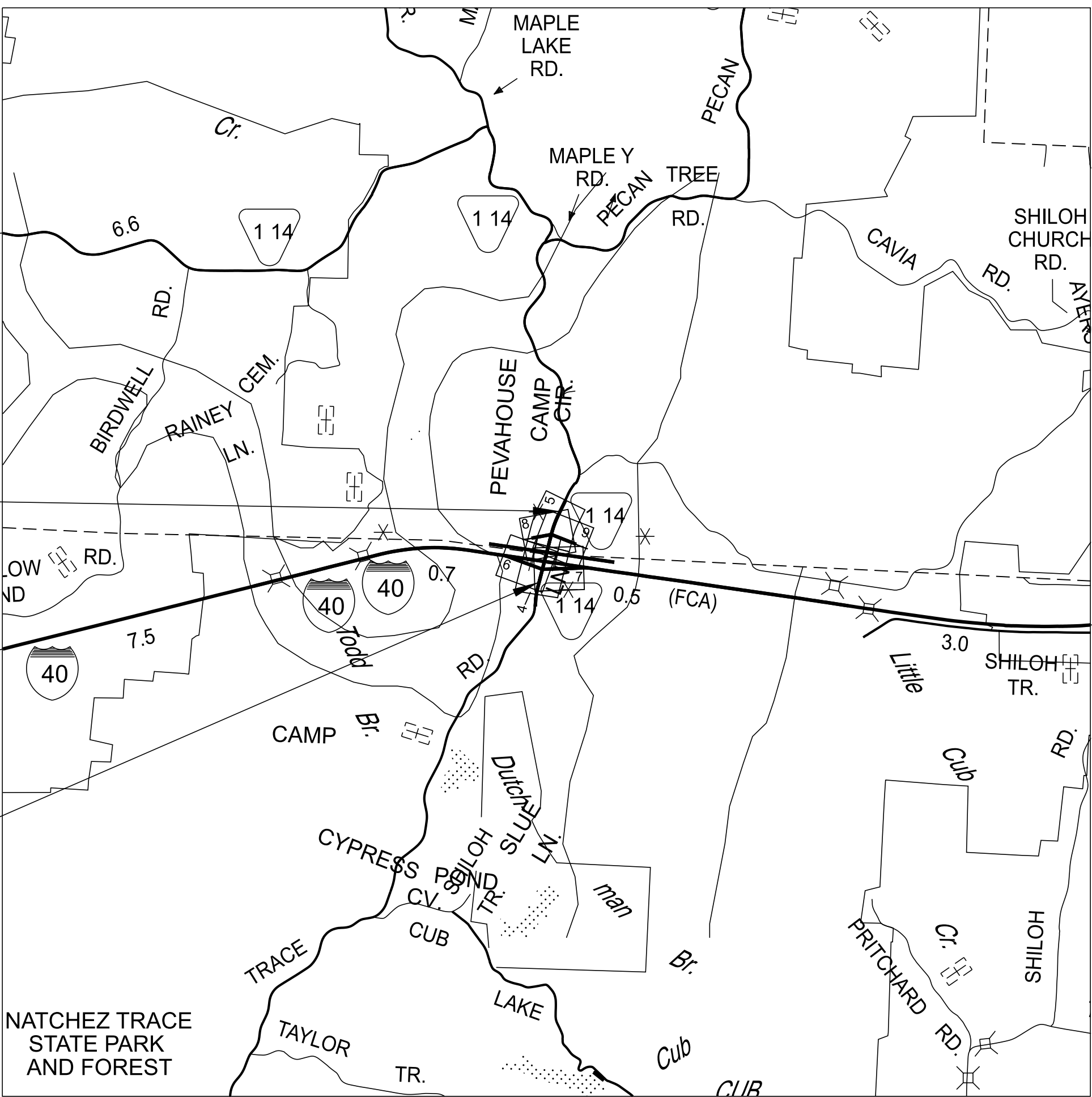
39S114-F0-002
BEGIN PROJECT NO. BR-HIP-114(18) PRELIMINARY
STA. 99+07.00 SR-114

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 APRIL 1, 2026 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT PROJECT MANAGER: DEREK LINK
DESIGNED BY: HDR ENGINEERING, INC.
DESIGNER : CHAD STOEGER, P.E. CHECKED BY : DAVID HORNE, P.E.
P.E. NO. 39S114-F0-002 (NEPA)
PIN NO. 136173.00



SCALE: 1"= 2640' 0 0.5 1 1.5 MILES

R.O.W. LENGTH	0.000 MILES
ROADWAY LENGTH	0.295 MILES
BRIDGE LENGTH	0.045 MILES
BOX BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES ▲
PROJECT LENGTH	0.340 MILES

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

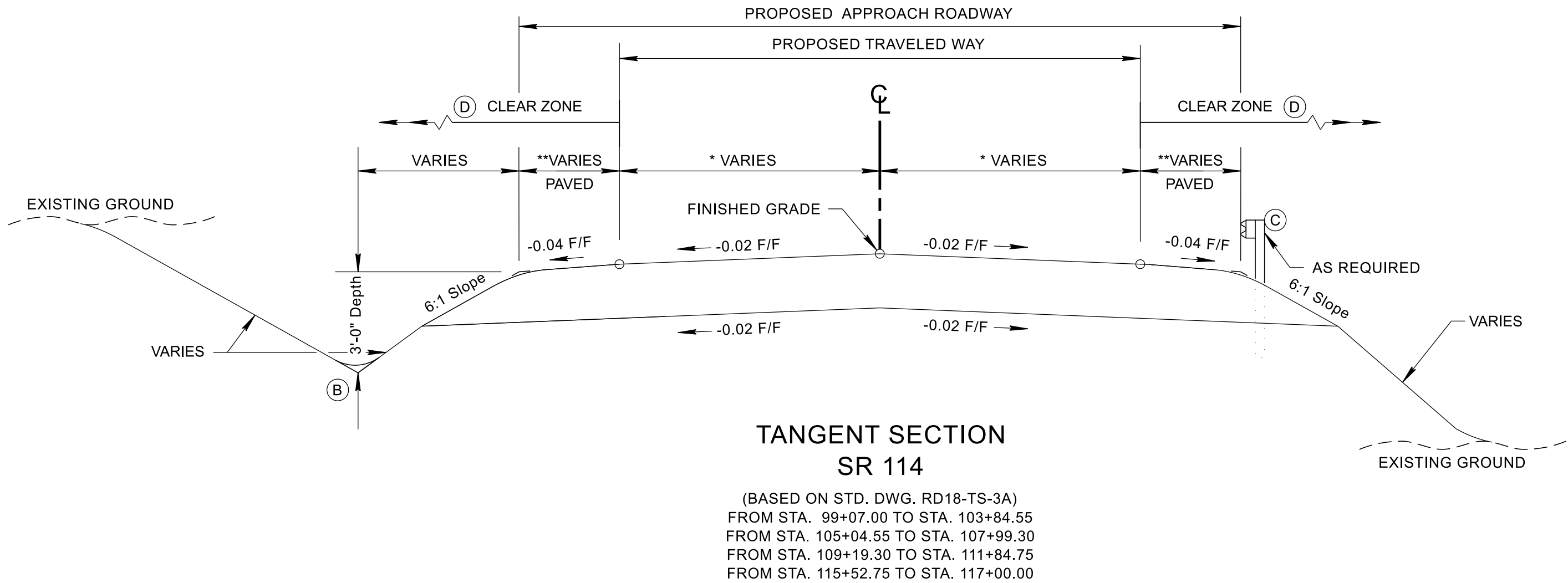
SURVEY 02-04-26	TRAFFIC DATA
	ADT (2030) 340
	ADT (2050) 530
	DHV (2050) 79
	D 60 - 40
	T (ADT) 2 %
	T (DHV) 1 %
	V 45 MPH

COORDINATES ARE NAD/83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007, AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 USING GEOID 18 MODEL, OBTAINED ON 02-04-2026.

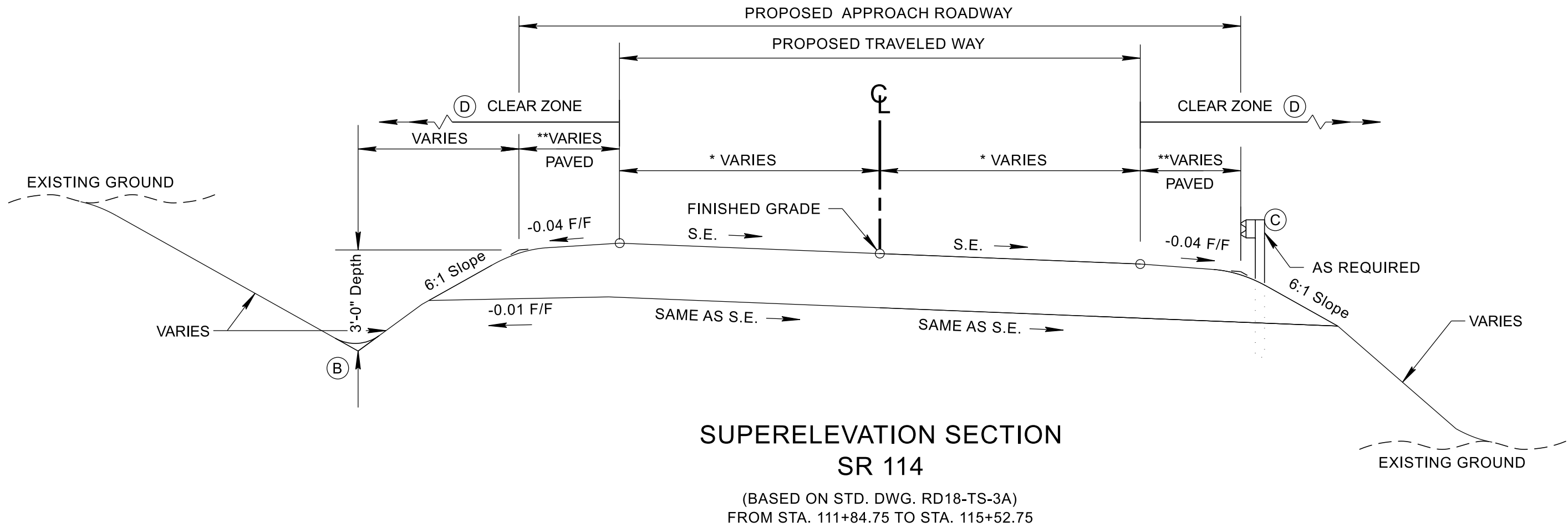
TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2026	BR-HIP-114(18)	2

SR 114 TYPICAL LANE WIDTH 11' LT. & RT.	
LANE WIDTH TRANSITIONS	
FROM	TO
10' @ 97+07.00 LT. & RT.	11' @ 100+00.00 LT. & RT.
11' @ 114+50.00 LT & RT.	9' @ 117+00.00 LT. & RT.

SR 114 TYPICAL SHOULDER WIDTH 5' LT. & RT.	
SHOULDER WIDTH TRANSITIONS	
FROM	TO
0' @ 97+07.00 LT. & RT.	5' @ 100+00.00 LT. & RT.
12' @ 102+77.54 LT.	9' @ 103+66.33 LT.
9' @ 105+18.31 LT.	5' @ 107+81.50 LT.
5' @ 114+50.00 LT & RT.	0' @ 117+00.00 LT. & RT.



- (A) THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.
- (B) SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.
- (C) SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.
- (D) SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE", AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONES.



- (A) THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.
- (B) SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.
- (C) SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.
- (D) SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE", AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONES.

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL
SECTIONS

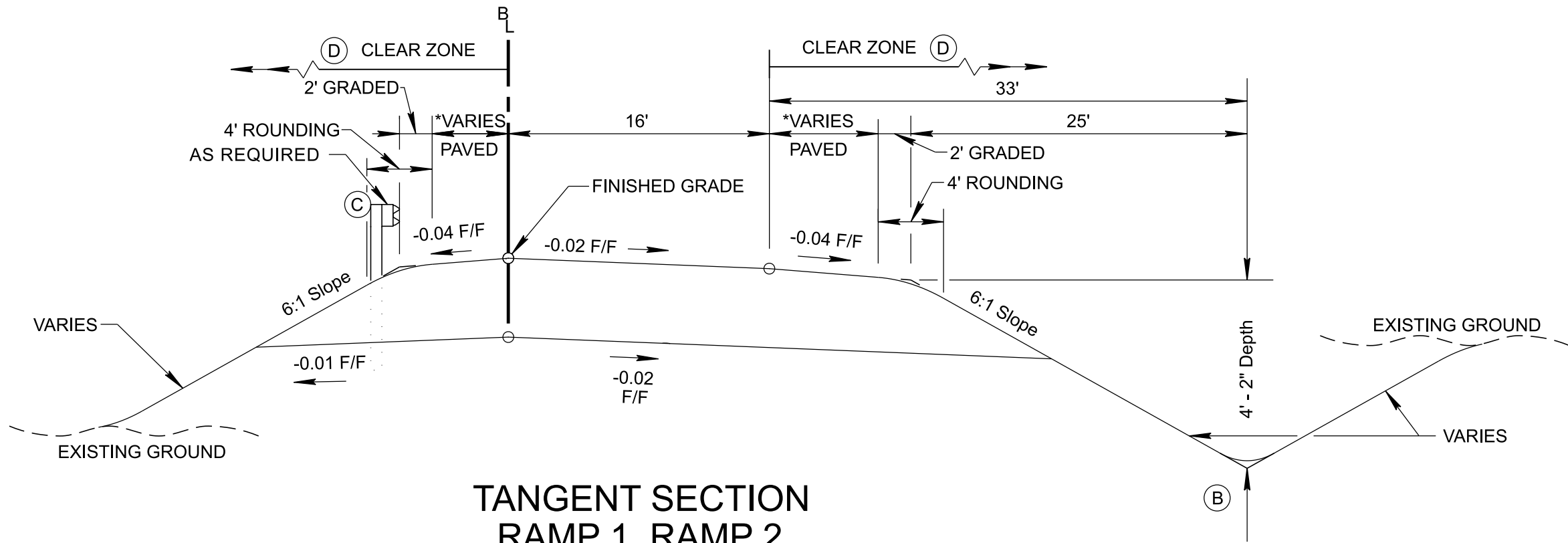
TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2026	BR-HIP-114(18)	3

RAMP TYPICAL SHOULDER WIDTH 4' INSIDE, 6' OUTSIDE	
RAMP 1 SHOULDER WIDTH TRANSITIONS	
FROM	TO
2.5' @ 200+65.00 RT.	6' @ 201+65.00 RT.
6' @ 207+11.31 RT.	5' @ 208+05.84 RT.
4' @ 207+28.32 LT.	12' @ 207+83.24 LT.

RAMP 2 SHOULDER WIDTH TRANSITIONS	
FROM	TO
5' @ 299+90.67 RT.	6' @ 300+90.95 RT.
5' @ 300+33.15 LT.	4' @ 300+99.66 LT.
6' @ 307+50.00 RT.	2' @ 308+50.00 RT.

RAMP 3 SHOULDER WIDTH TRANSITIONS	
FROM	TO
1' @ 400+50.00 LT.	6' @ 401+50.00 LT.
4' @ 403+73.99 RT.	5' @ 404+42.69 RT.
6' @ 404+23.28 LT.	5' @ 405+08.84 LT.

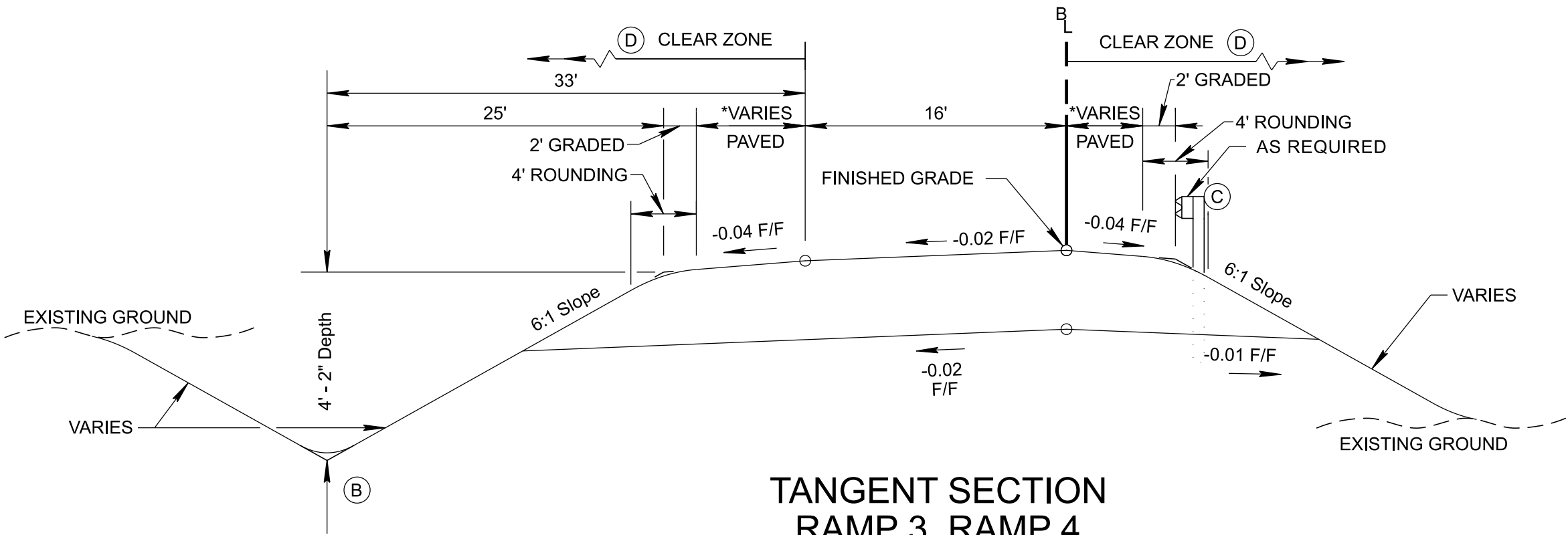
RAMP 4 SHOULDER WIDTH TRANSITIONS	
FROM	TO
5' @ 500+21.82 RT.	4' @ 500+84.80 RT.
5' @ 500+04.34 LT.	6' @ 500+98.98 LT.
6' @ 504+00.00 LT.	3' @ 505+00.00 LT.



TANGENT SECTION
RAMP 1, RAMP 2

(BASED ON STD. DWG. RD18-TS-8)
FROM STA. 200+65.00 TO STA. 208+00.16
FROM STA. 300+11.45 TO STA. 308+50.00

- (A) THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.
- (B) SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.
- (C) SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.
- (D) SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE", AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONES.



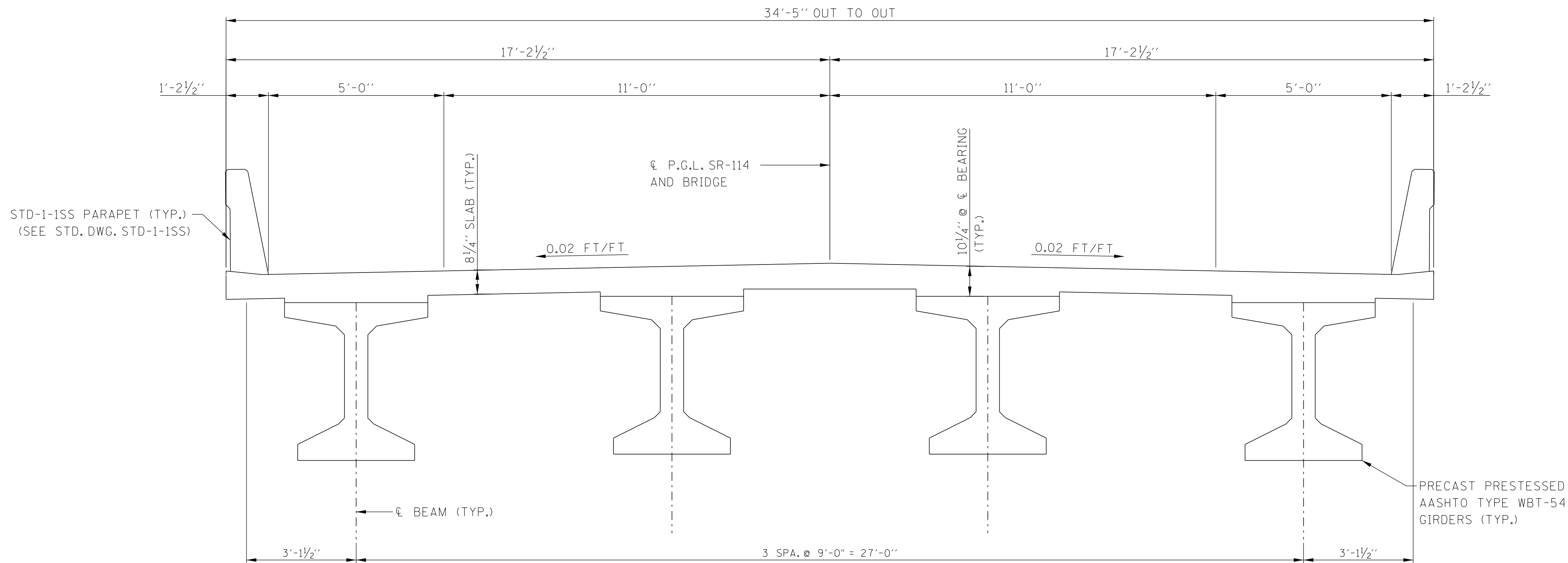
TANGENT SECTION
RAMP 3, RAMP 4

(BASED ON STD. DWG. RD18-TS-8)
FROM STA. 400+50.00 TO STA. 404+79.21
FROM STA. 500+11.08 TO STA. 505+00.00

SEALED BY

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS

PROJECT NO.		YEAR	SHEET NO.
39S114-F0-002		2026	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION



TYPICAL SECTION

SR 114

FROM STA. 107+99.30 TO STA. 109+19.30
(LOOKING FORWARD ON SURVEY)
SCALE: 1/2" = 1'-0"

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
SR-114 OVER
I-40
STA. 108+53.35

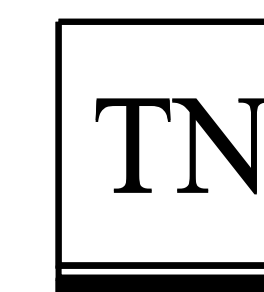
CARROLL COUNTY
2026

DESIGN BY: Justin P. Carney DATE: 4/5/26
DRAWN BY: Sterling L. Evans DATE: 4/5/26
SUPERVISED BY: Carter D. Bearden DATE: 4/30/26
CHECKED BY: Justin P. Carney DATE: 4/30/26



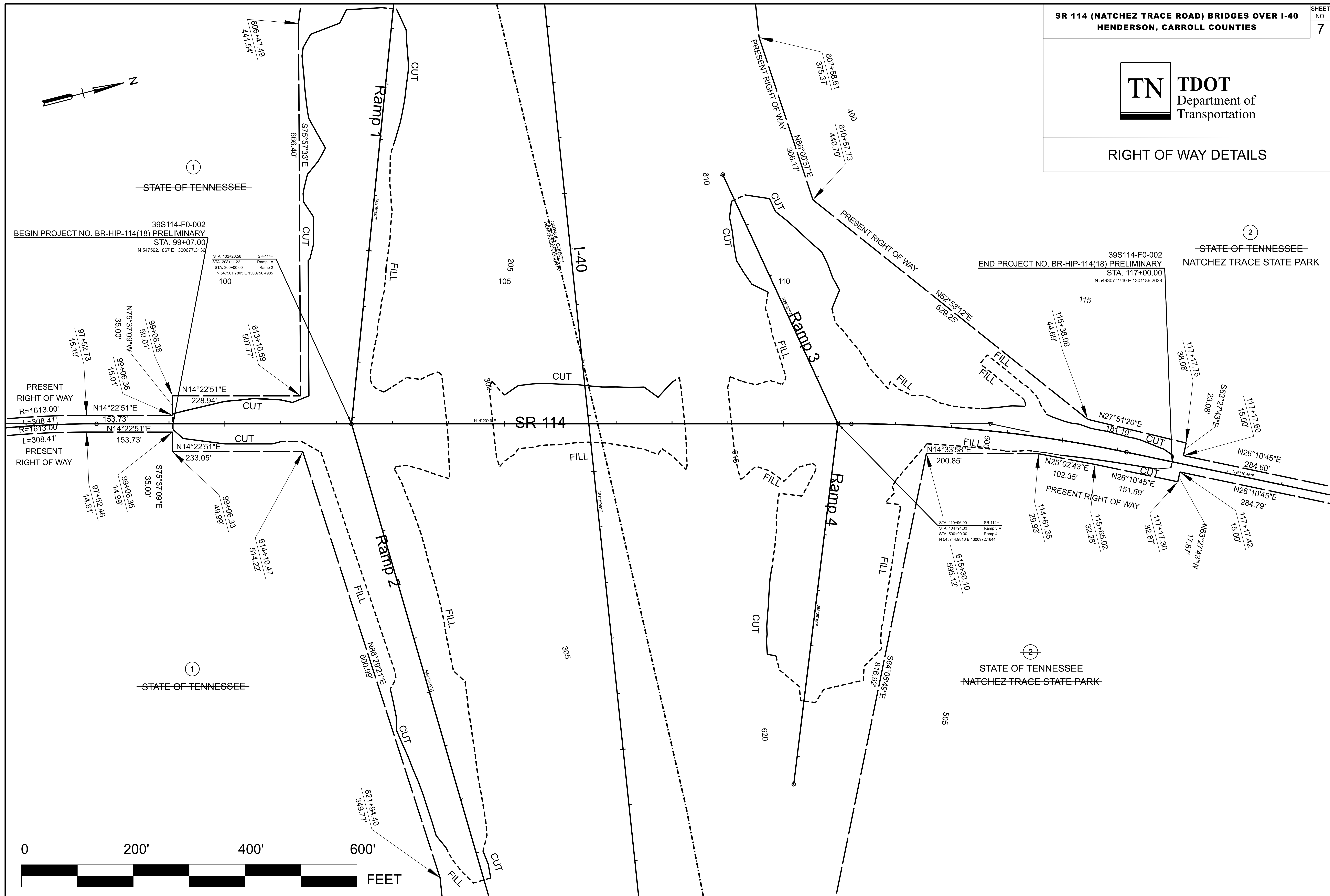
PRESENT LAYOUT





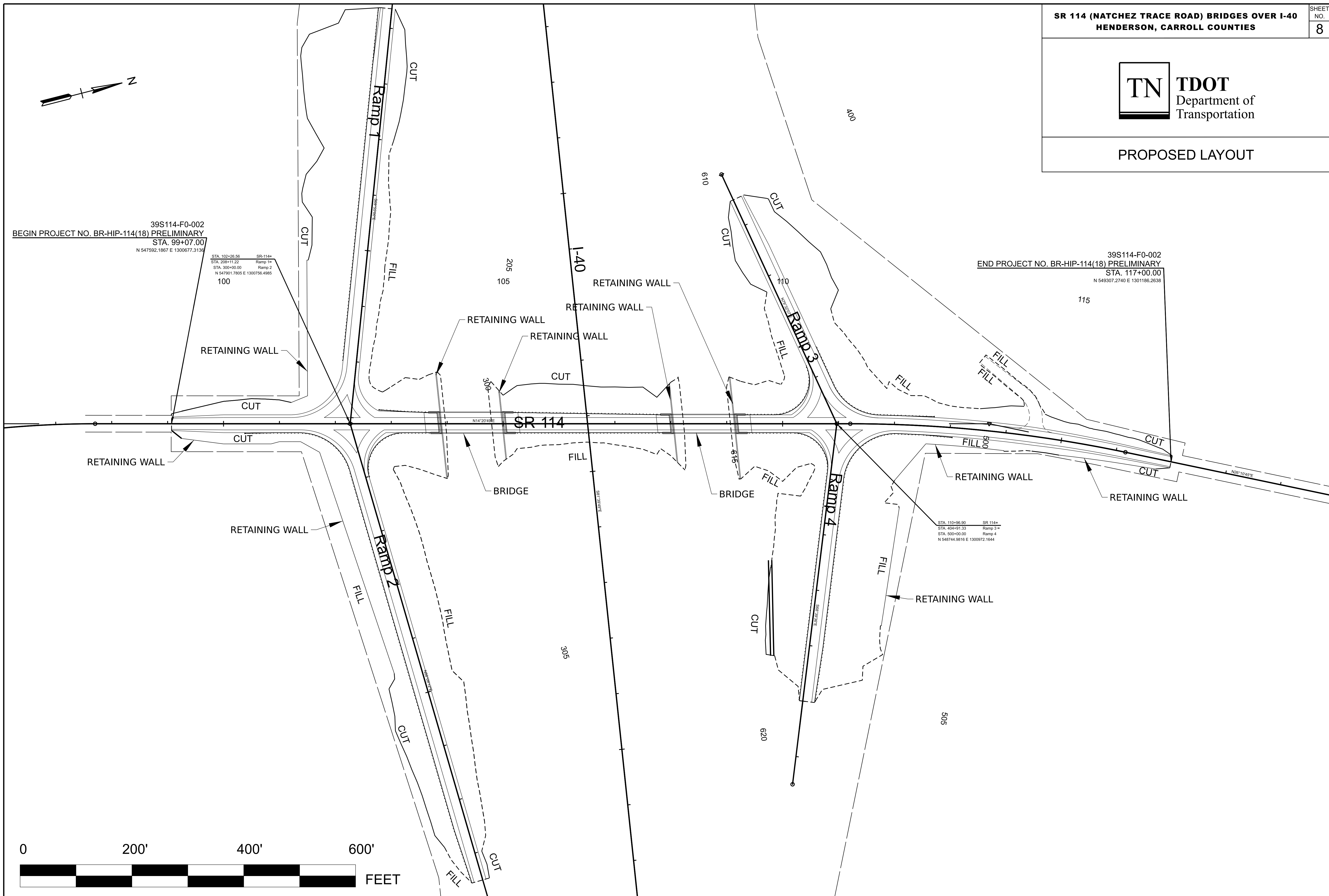
TDOT
Department of
Transportation

RIGHT OF WAY DETAILS



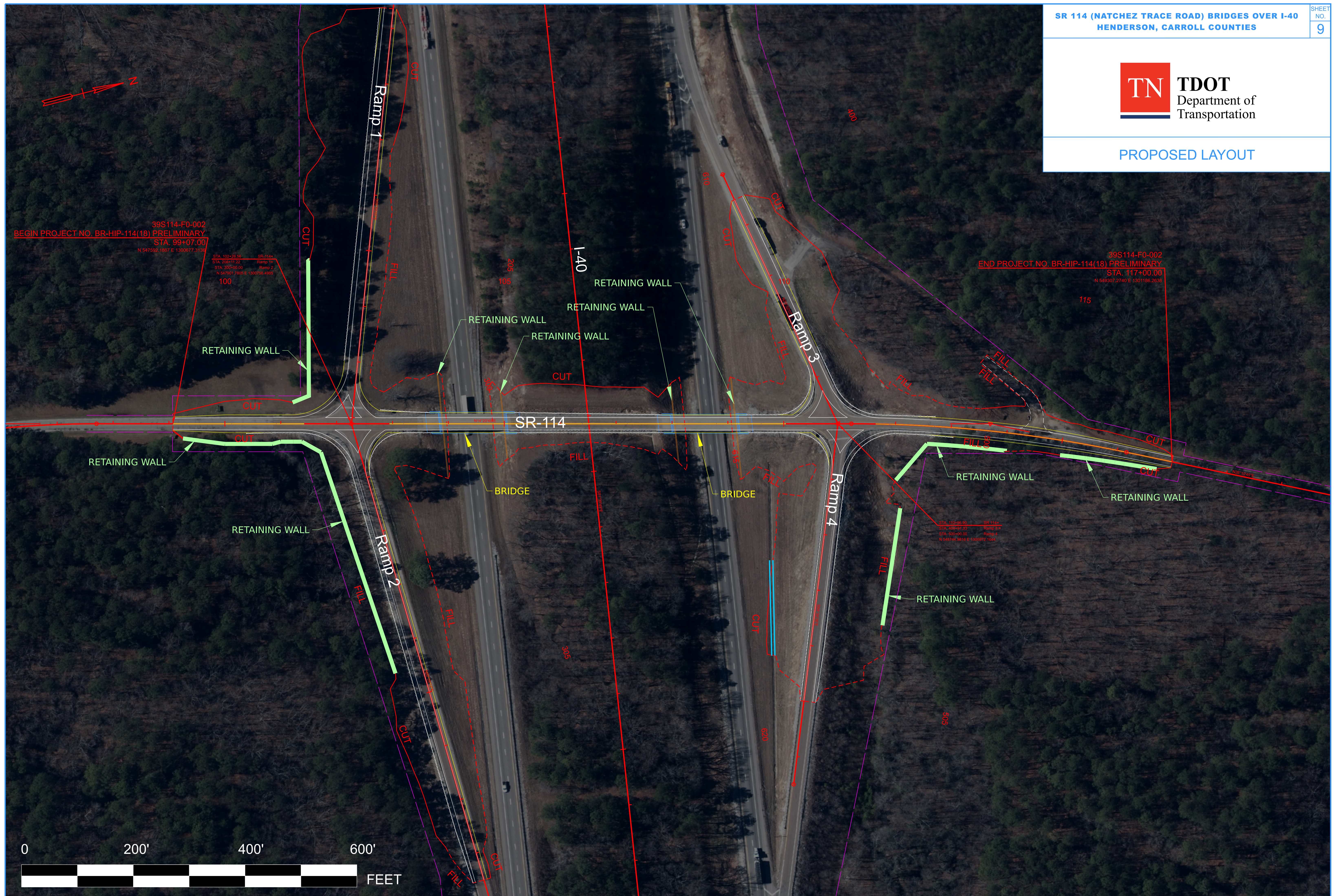


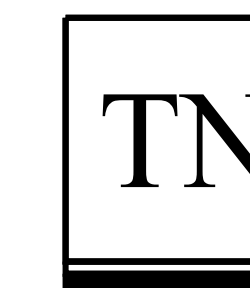
PROPOSED LAYOUT





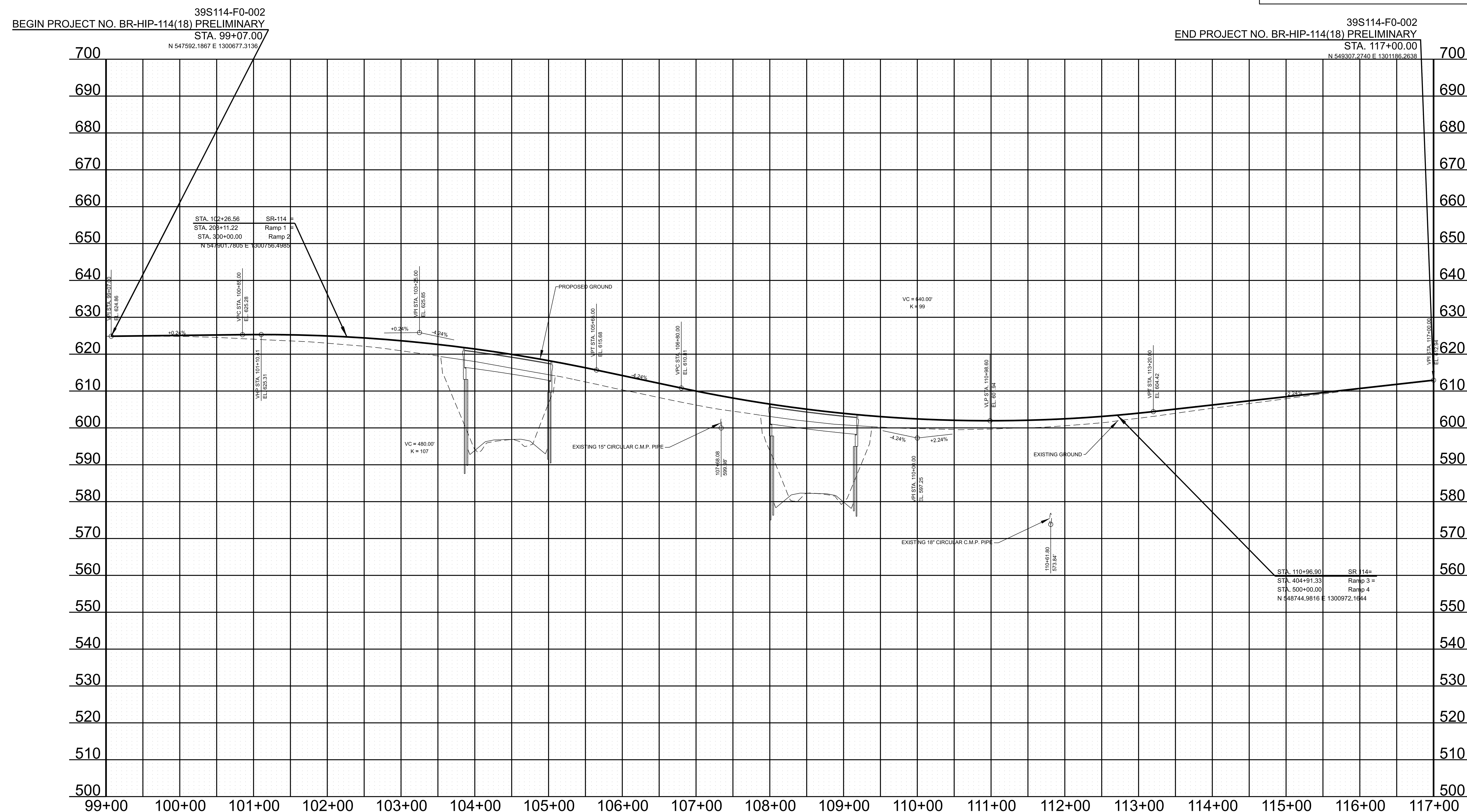
PROPOSED LAYOUT



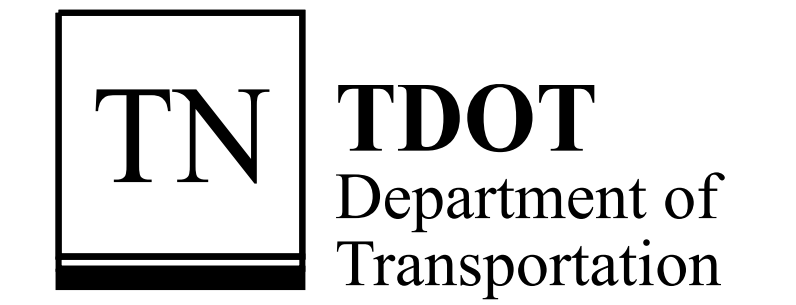


TDOT
Department of
Transportation

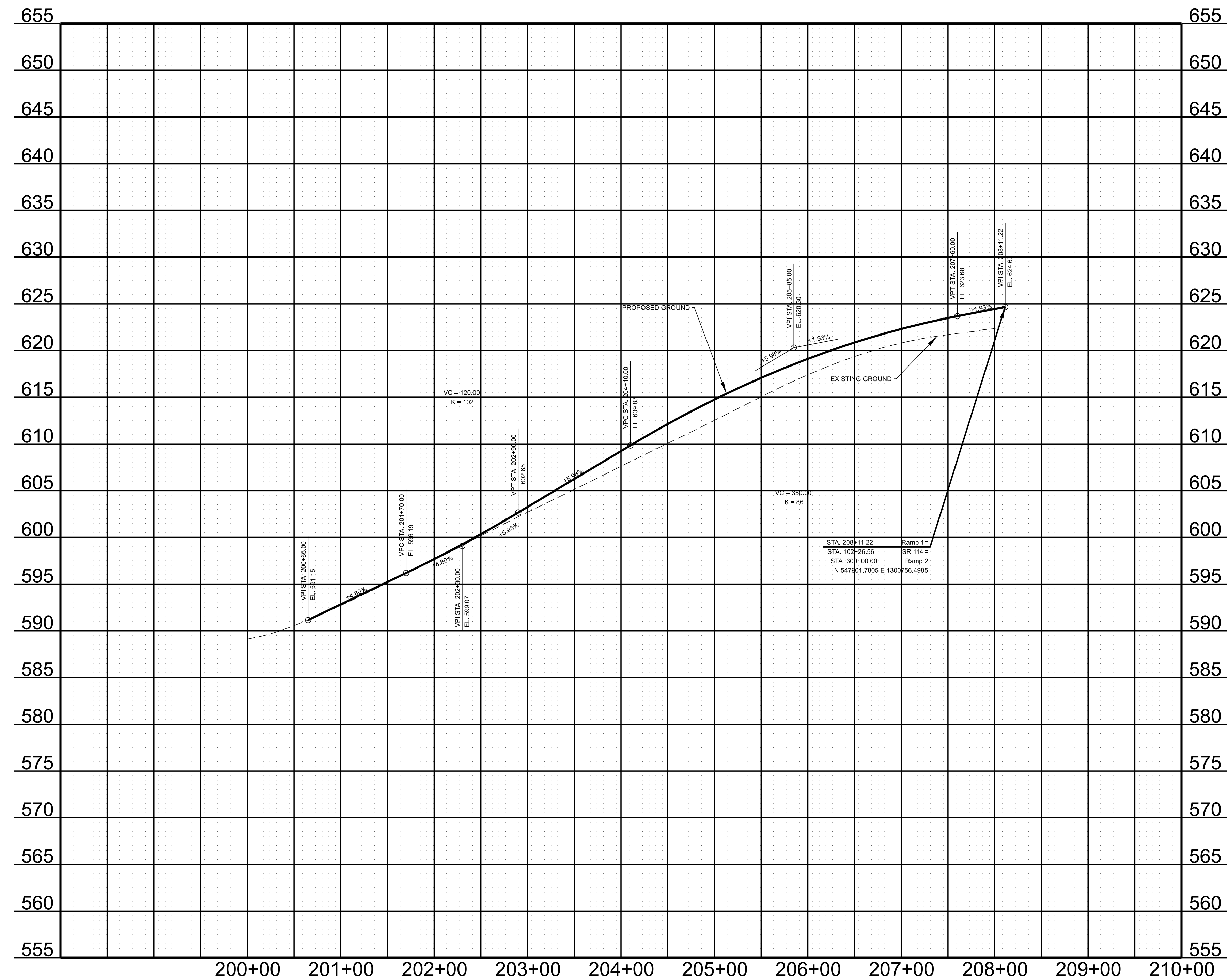
PROPOSED PROFILE - SR-114



SCALE: 1" = 70' HORIZ.
1" = 7' VERT.



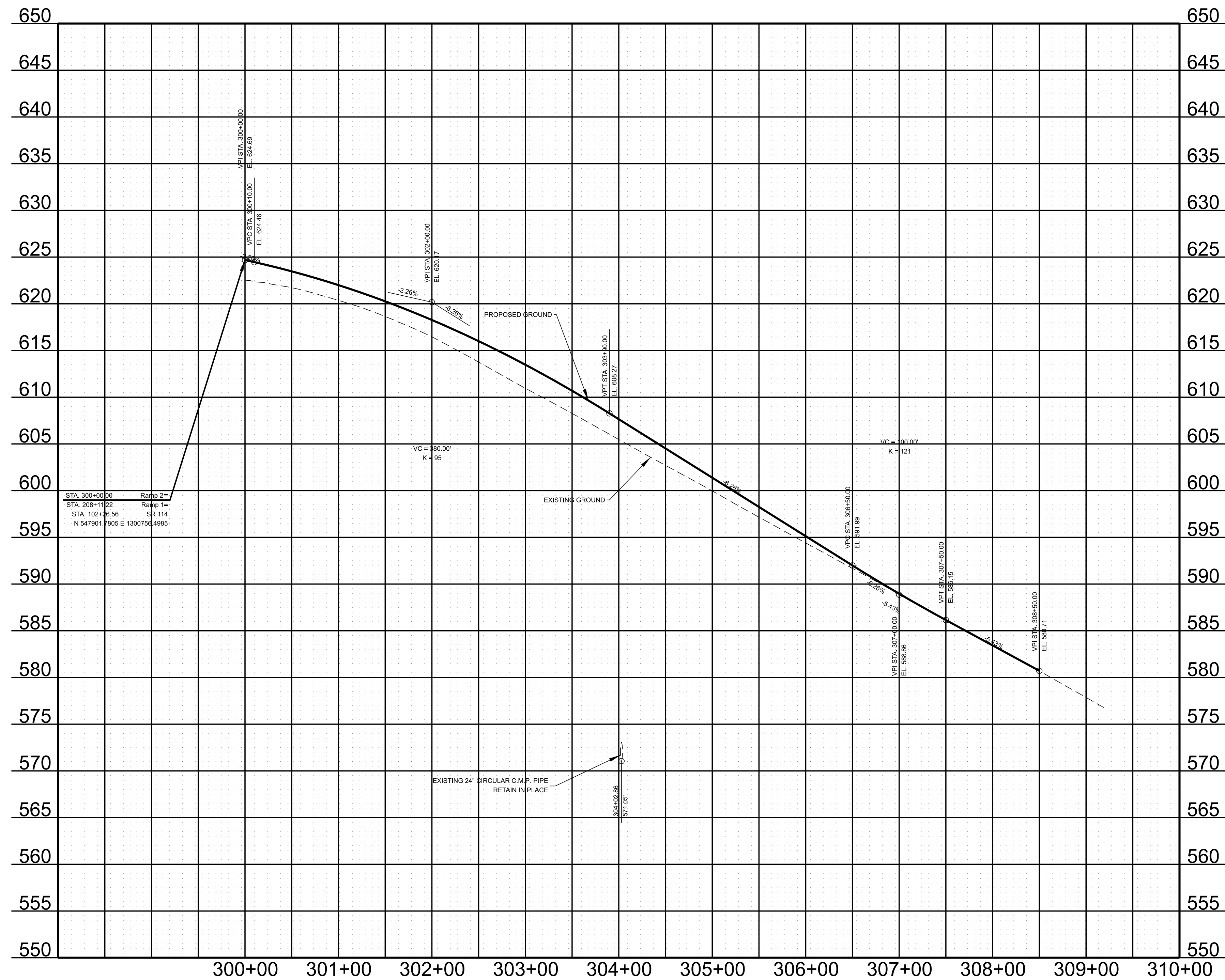
PROPOSED PROFILE - RAMP 1



SCALE: 1" = 70' HORIZ.
1" = 7' VERT.

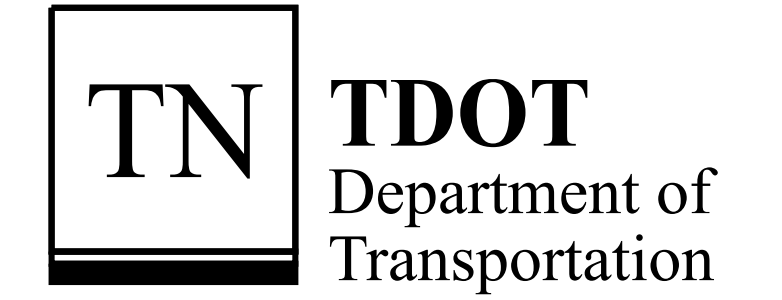


PROPOSED PROFILE - RAMP 2

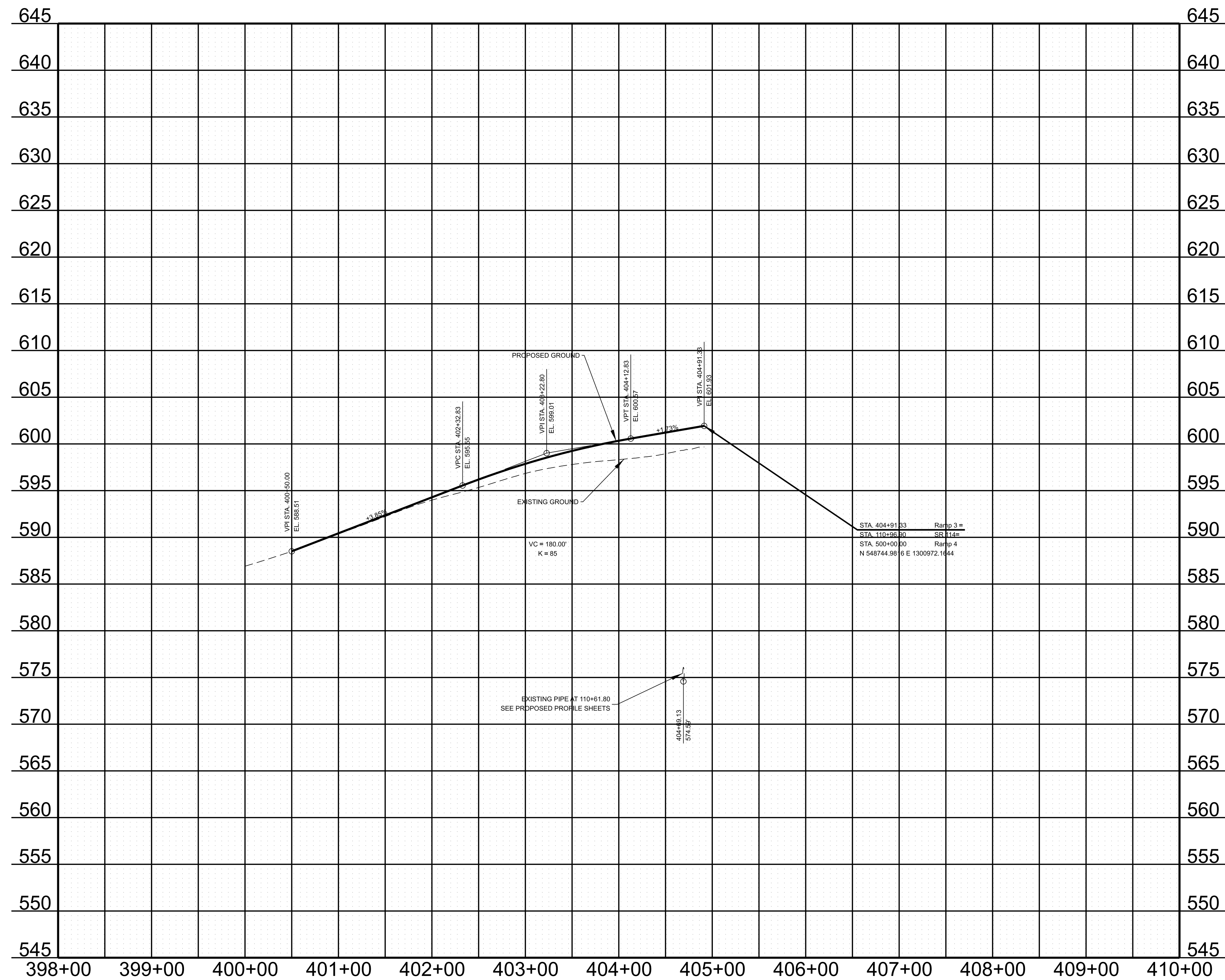


SCALE:

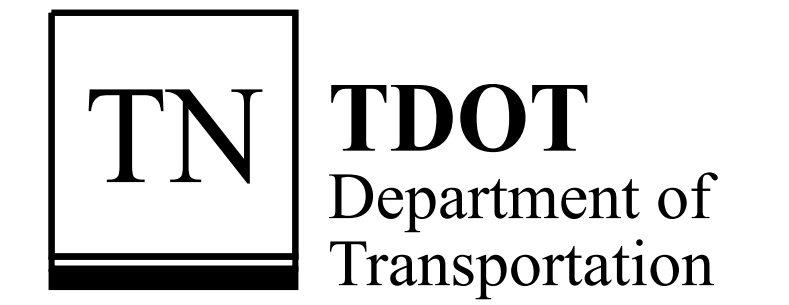
1" = 70' HORIZ.
1" = 7' VERT.



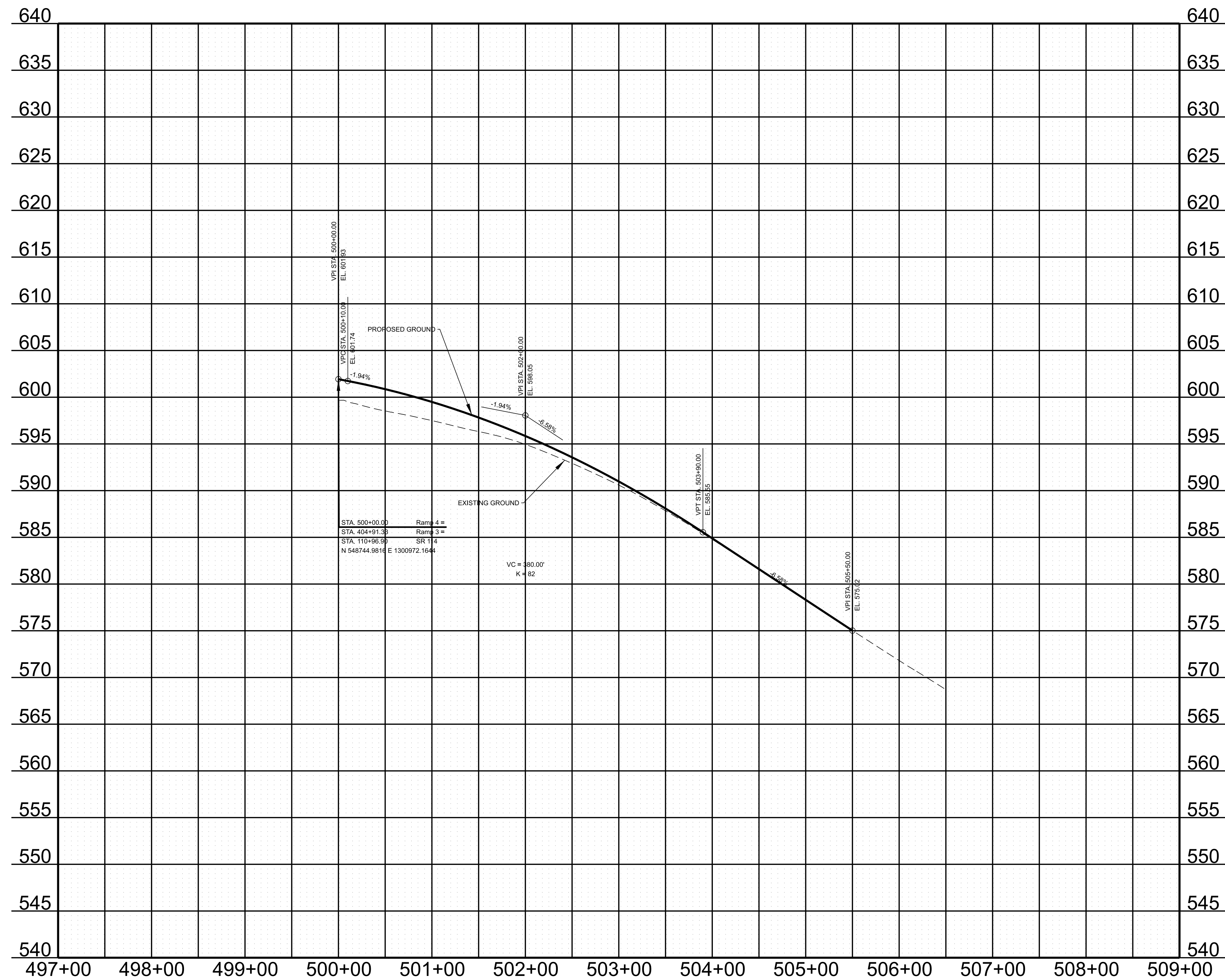
PROPOSED PROFILE - RAMP 3



SCALE: 1" = 70' HORIZ.
1" = 7' VERT.



PROPOSED PROFILE - RAMP 4



SCALE: 1" = 70' HORIZ.
1" = 7' VERT.