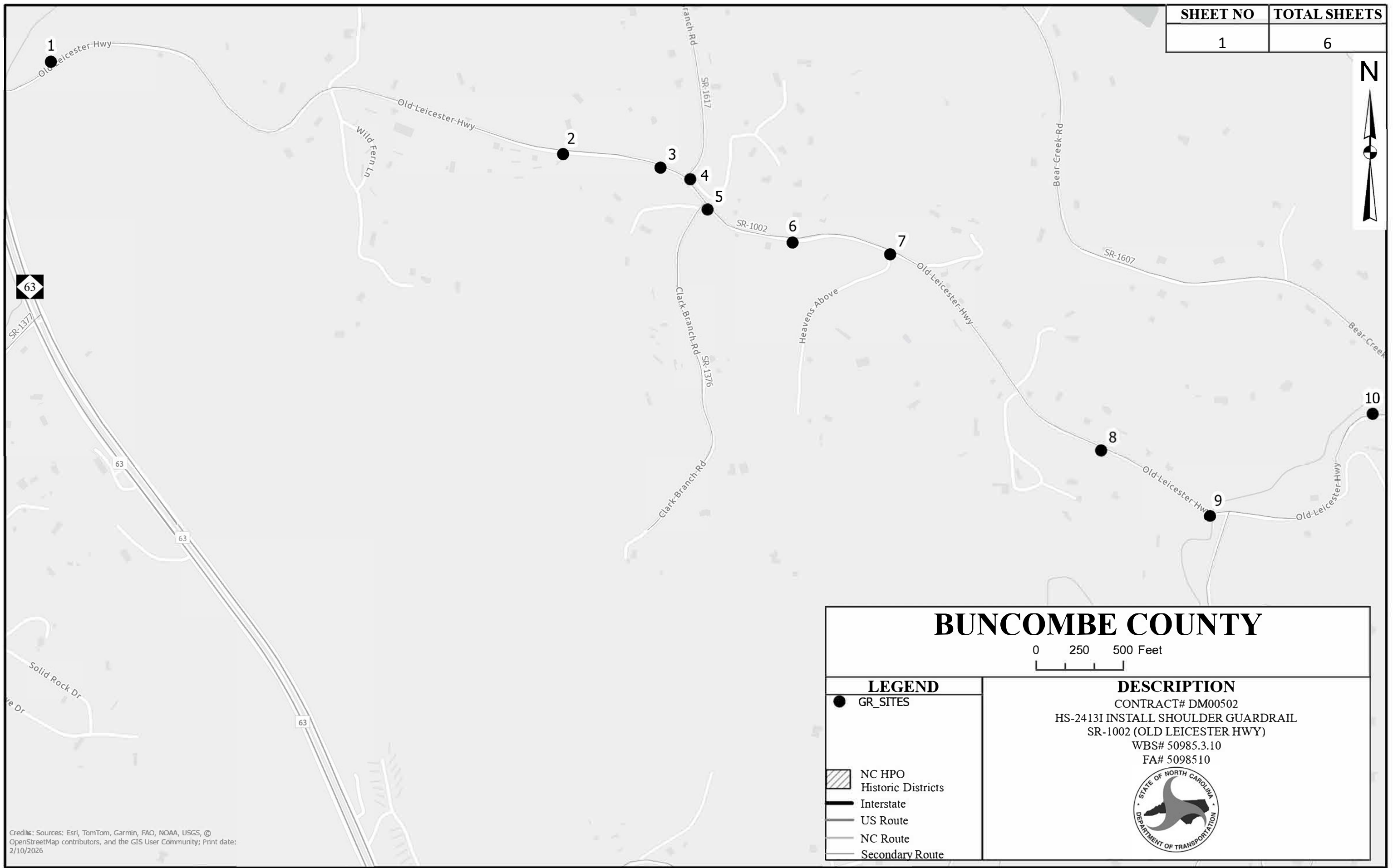
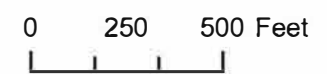


SHEET NO	TOTAL SHEETS
1	6

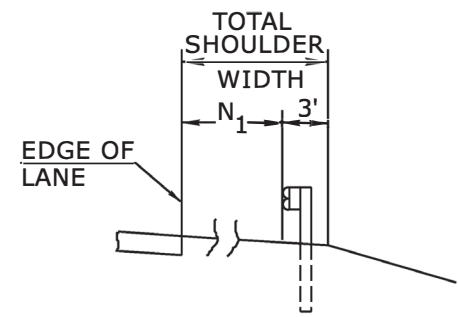


BUNCOMBE COUNTY

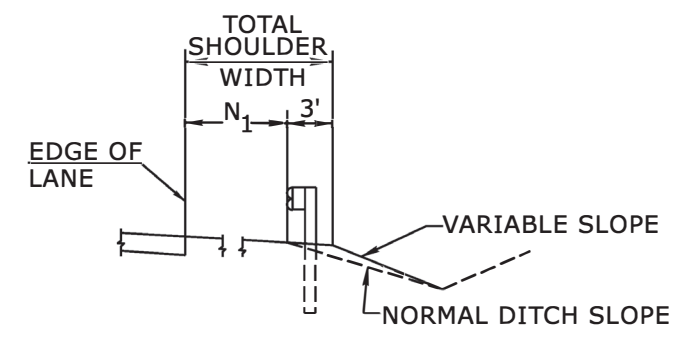


LEGEND	DESCRIPTION
● GR_SITES	CONTRACT# DM00502 HS-24131 INSTALL SHOULDER GUARDRAIL SR-1002 (OLD LEICESTER HWY) WBS# 50985.3.10 FA# 5098510
NC HPO Historic Districts	
Interstate	
US Route	
NC Route Secondary Route	

Credits: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community; Print date: 2/10/2026

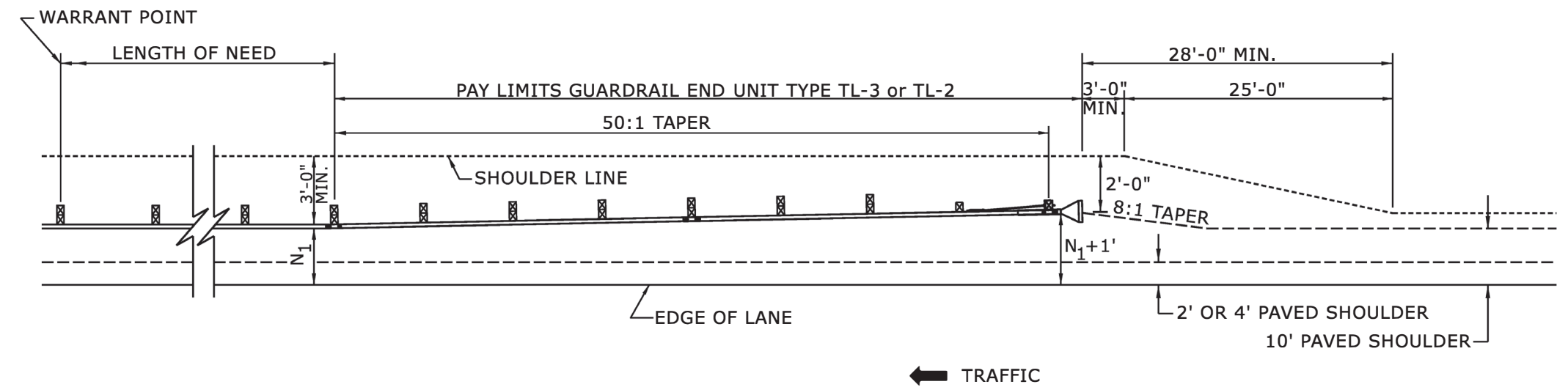


FILL SECTION



CUT SECTION

"N₁" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL WHERE GUARDRAIL IS PARALLEL TO LANE.



FOR POSTED SPEEDS ≥ 45mph USE GREU TYPE TL-3
 FOR POSTED SPEEDS < 45mph USE GREU TYPE TL-2

DETAIL OF BEGINNING OF GUARDRAIL IN CUT OR FILL SECTION

STATE OF
 NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT



Signed by:
 Nicole M. Hacker
 58842203416405

02/09/2026

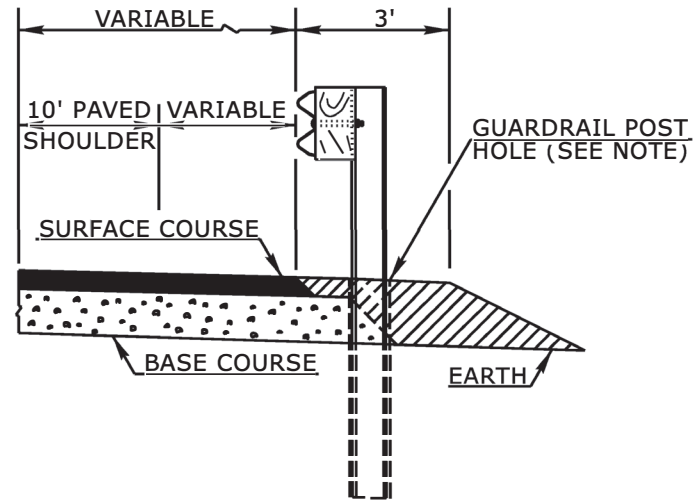
SHEET 6 OF 15
862D01

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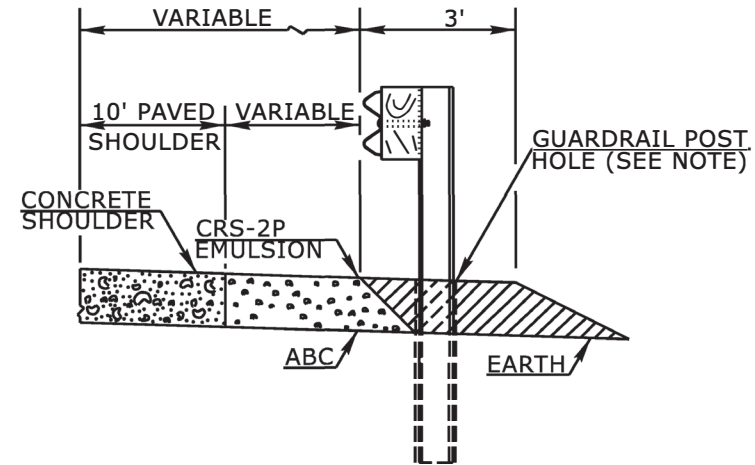
**CONTRACTS STANDARDS
 AND DEVELOPMENT UNIT**
 Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

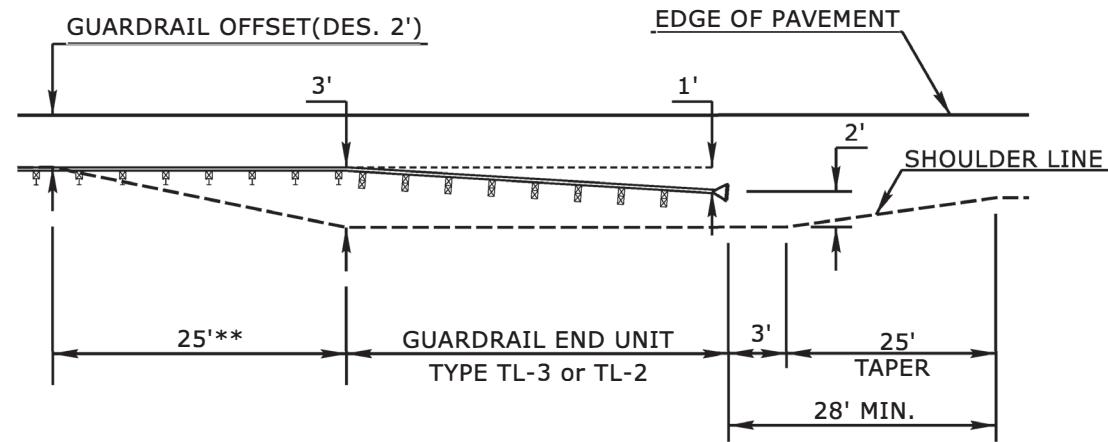
ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
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 FILE SPEC.: _____



FLEXIBLE PAVED SHOULDER

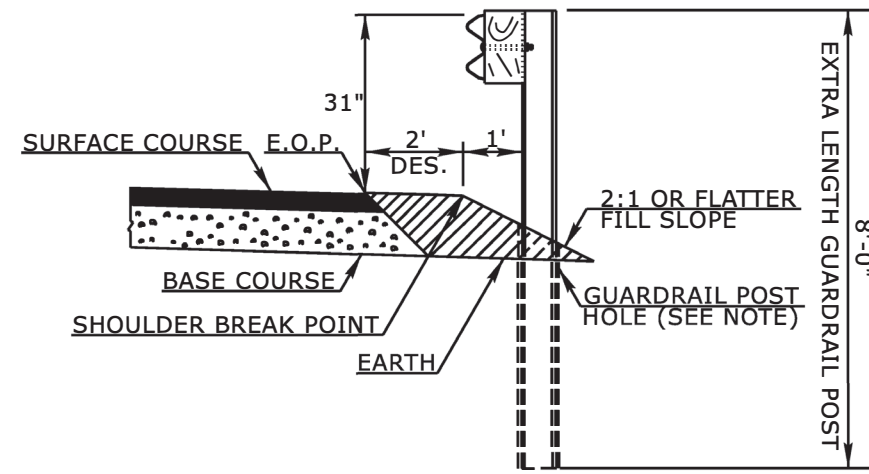


CONCRETE PAVED SHOULDER



**8' GUARDRAIL POST ON 2:1 SLOPE-END UNIT TRANSITION*
PLAN VIEW**

* THE 8' GUARDRAIL POST ON 2:1 SLOPE DETAIL IS INTENDED FOR USE ONLY IN SEVERELY CONSTRAINED AREAS WITH A POSTED SPEED ≤ 60 MPH. GUARDRAIL END UNITS MAY NOT BE PLACED ON THE 2:1 SLOPE AND MUST TRANSITION TO THE SHOULDER.
** 8' GUARDRAIL POST SHOULD BE USED IN THIS RANGE



8' GUARDRAIL POST ON 2:1 SLOPE*

NOTE:
WHEN WOODEN GUARDRAIL POSTS ARE USED, DRILL HOLES THROUGH EARTH MATERIAL AND BASE COURSE. THE POST MAY THEN BE DRIVEN TO THE PROPER DEPTH. DRILL THE HOLE OF SUFFICIENT SIZE TO ACCOMMODATE THE PARTICULAR POST BEING USED. BACKFILL AND TAMP HOLES USING THE EXCAVATED MATERIAL.

STATE OF
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DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT



Signed by:
Nicole M. Heckler
58842203416405

02/09/2026

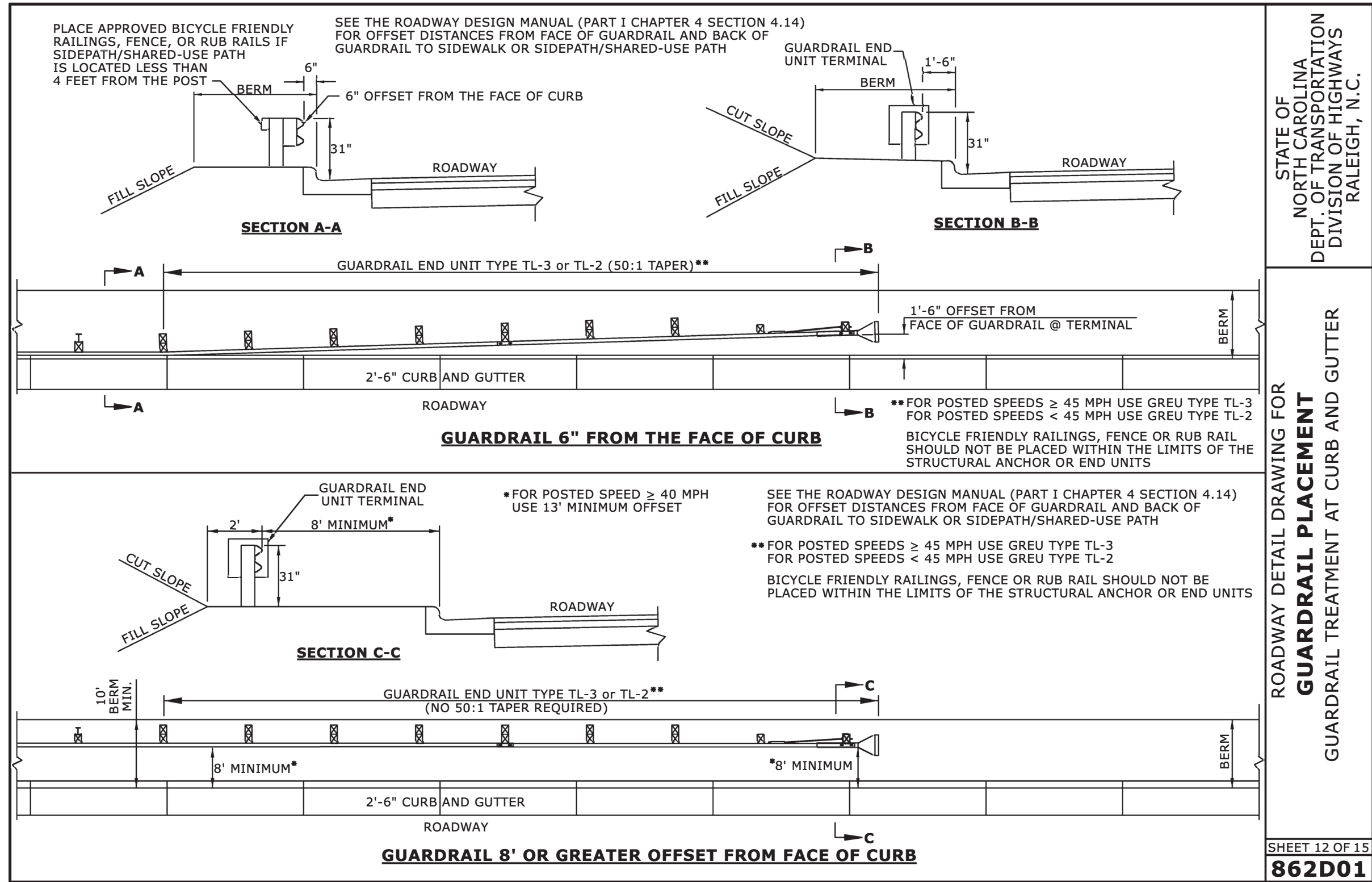
SHEET 11 OF 15
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STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT
GUARDRAIL TREATMENT AT CURB AND GUTTER



Signed by:
Nicole M. Hacker
588423034184CS

02/09/2026

SHEET 12 OF 15
862D01

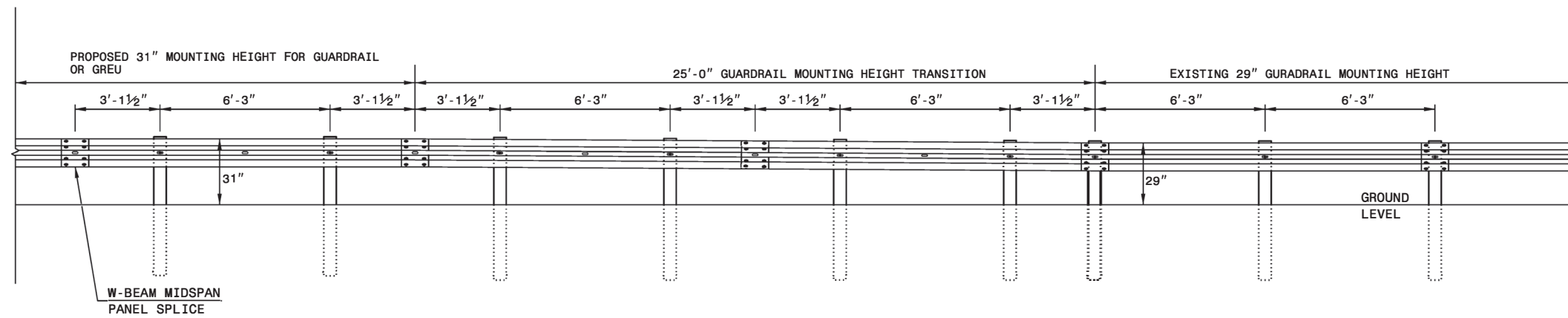
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NOTE: IF EXISTING GUARDRAIL IS LOWER THAN 29", USE AN ADDITIONAL 12'-6" LONG SECTION OF GUARDRAIL, FOR EVERY 1" OF HEIGHT DIFFERENCE, TO TRANSITION FROM EXISTING GUARDRAIL TO PROPOSED 31" GUARDRAIL.



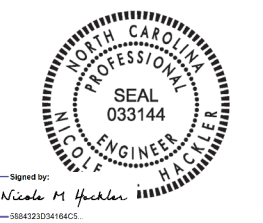
ELEVATION VIEW

TRANSITION FROM 29" TO 31" W-BEAM GUARDRAIL MOUNTING HEIGHT

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 5 OF 9
862D02



Signed by:
Nicole M. Hickler
084323034164CS

02/09/2026

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**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
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ORIGINAL BY: K. Aldridge DATE: 02-25
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC.: _____

PROJECT NO.	SHEET NO.
HS-2413I	6

GUARDRAIL ITEM SUMMARY

SITE NO	ROUTE	DESCRIPTION	APPROXIMATE LAT/LONG	SHOULDER LT/RT	3030000000-E	3045000000-E	3075000000-E	3145000000-E	3195000000-N	3288000000-N	3360000000-E	NOTES
					STEEL BEAM GUARDRAIL	STEEL BM GUARDRAIL, SHOP CURVED	TRIPLE CORRUGATED STEEL BEAM GUARDRAIL	EXTRA LENGTH GUARDRAIL POST (8' STEEL)	GUARDRAIL END UNITS, TYPE AT-1	GUARDRAIL END UNITS, TYPE TL-2	REMOVE EXISTING GUARDRAIL	
					LF	LF	LF		EA	EA	LF	
1	SR-1002 (Old Leicester Hwy.)	APPROXIMATELY 0.12 MILES FROM NC 63 (MM 0.12-0.17)	35°38'41"N, 82°40'28"W	LT	250	25			1	1		
2	SR-1002 (Old Leicester Hwy.)	APPROXIMATELY 0.74 MILES FROM NC 63 (MM 0.74-0.83)	35°38'37"N, 82°39'52"W	RT	500					2		Leave adequate sight distance for driveways
3	SR-1002 (Old Leicester Hwy.)	APPROXIMATELY 0.84 MILES FROM NC 63 (0.84-0.91)	35°38'37"N, 82°39'45"W	RT	300	25			1	1		
4	SR-1002 (Old Leicester Hwy.)	APPROXIMATELY 0.88 MILES FROM NC 63 (MM 0.88-0.93)	35°38'36"N, 82°39'43"W	LT	250			30		2		
5	SR-1002 (Old Leicester Hwy.)	APPROXIMATELY 0.92 MILES FROM NC 63 (MM 0.92-0.95)	35°38'34"N, 82°39'42"W	RT	175			30		2		
6	SR-1002 (Old Leicester Hwy.)	APPROXIMATELY 1.02 MILES FROM NC 63 (1.02-1.12)	35°38'33"N, 82°39'36"W	RT	500			5		2		Leave adequate sight distance for driveways
7	SR-1002 (Old Leicester Hwy.)	APPROXIMATELY 1.13 MILES FROM NC 63 (MM 1.13-1.21)	35°38'32"N, 82°39'29"W	RT	450			5		2		Leave adequate sight distance for driveways
8	SR-1002 (Old Leicester Hwy.)	APPROXIMATELY 1.45 MILES FROM NC 63 (MM 1.45-1.53)	35°38'21"N, 82°39'14"W	RT	400			60		2		
9	SR-1002 (Old Leicester Hwy.)	APPROXIMATELY 1.59 MILES FROM NC 63 -at Bridge100699	35°38'18"N, 82°39'06"W	LT/RT	50	50	50		1	2	50	Remove and install Thrie-Beam on Bridge 10699 including installation of approximately 25' GR and 1 TL-2 on WB approach, curve around pull off; 50' shop curve and AT-1 toard SR 1302, and approximately 25' GR and 1 - TL-2 on EB approach;Gated Private Property Entrance prevents installation of GR on LT shoulder EB approach
10	SR-1002 (Old Leicester Hwy.)	APPROXIMATELY 1.84 MILES FROM NC 63 (MM 1.84-1.93)	35°38'24"N, 82°38'55"W	LT	450	50			1		25	Remove end unit and connect to existing GR and install new GR to the intersection of Bear Creek Rd, install 50' Shop Curve to protect the embankment at the fork in the road at SR 1607
GRAND TOTAL					3325	150	50	130	4	16	75	

NOTES: QUANTITIES ARE ESTIMATED AND MAY CHANGE ACCORDING TO ACTUAL FIELD CONDITIONS.
THE ENGINEER SHALL FIELD MARK ALL PROPOSED GUARDRAIL AND END UNITS PRIOR TO BEGINNING CONSTRUCTION AT EACH LOCATION.

INSTALL EXTRA LENGTH GUARDRAIL POSTS ACCORDING TO FIELD CONDITIONS AND AS DIRECTED BY THE ENGINEER.