11/14/23

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN ENGINEER

SEAL
28912

Trent E. Huffstetler
8/8/2025

PAVEMENT DESIGN ENGINEER

SEAL
37113

Shihai Zhang
8/8/2025

PREPARED BY

moffatt & nichol

4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27609
(919) 781-4626 PHONE (919) 781-4869 FAX
NC LICENSE NO. F-0105

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PAVEMENT SCHEDULE

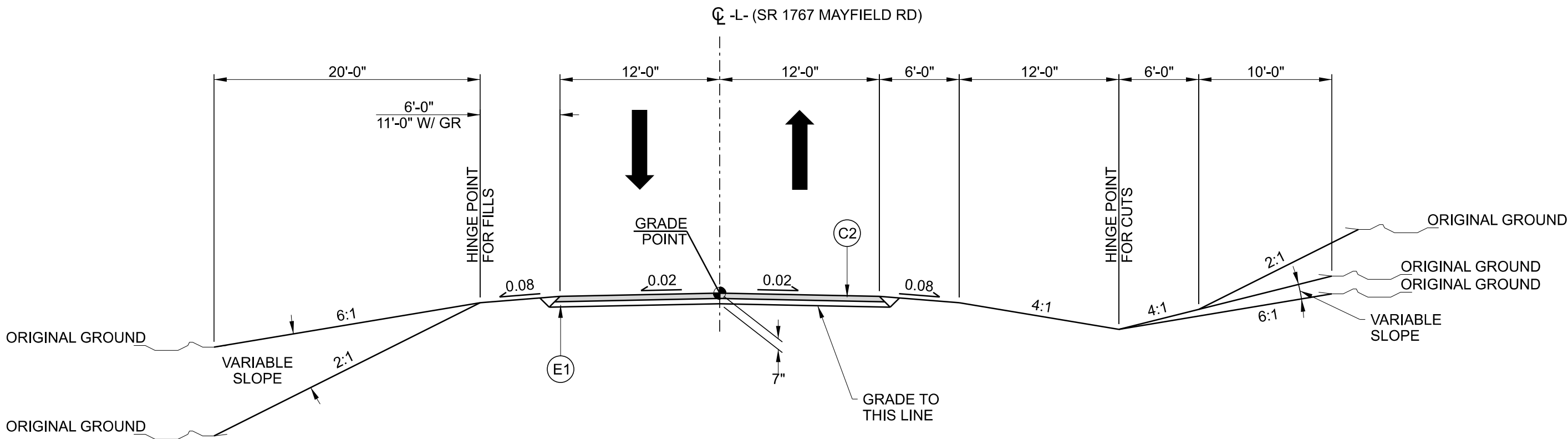NOTE : PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE

C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	R1	SHOULDER BERM GUTTER
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS	E2	PROP. APPROX. 5½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.	T	EARTH MATERIAL
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 1 1/2" IN DEPTH.	E3	PROP. APPROX. 8½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 969 LBS. PER SQ. YD.	U	EXISTING PAVEMENT
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	E4	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5 1/2" IN DEPTH.	V	MILLING - 1½"
D2	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 2 1/2" IN DEPTH OR GREATER THAN 4" IN DEPTH.			W	WEDGING

TYPICAL SECTION NO.1

-L- STA. 14+25.00 TO STA 18+70.00
-L- STA 22+90.00 TO STA 26+75.00
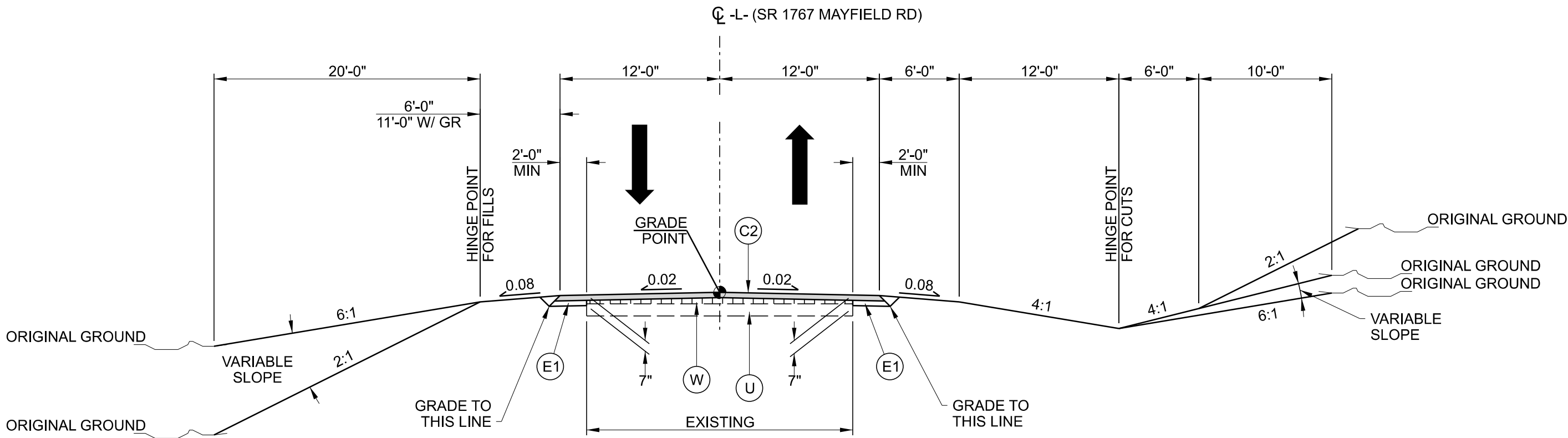
NOTES:
1. TRANSITION FROM EXISTING TO TYPICAL SECTION NO. 1 -L- STA 14+00.00 TO 14+25.00
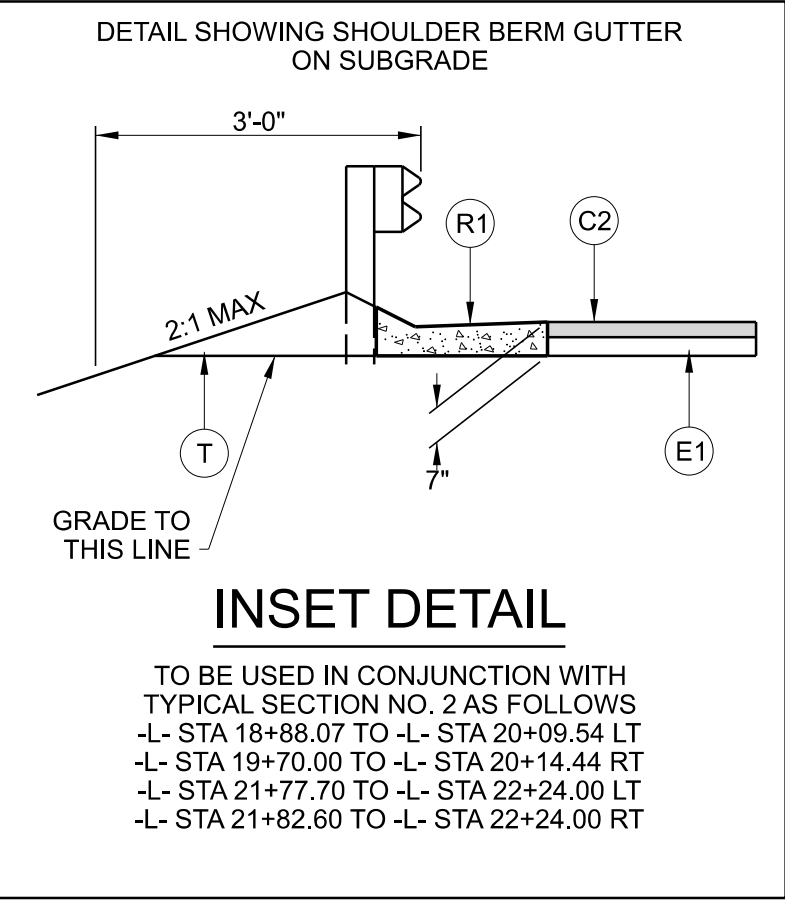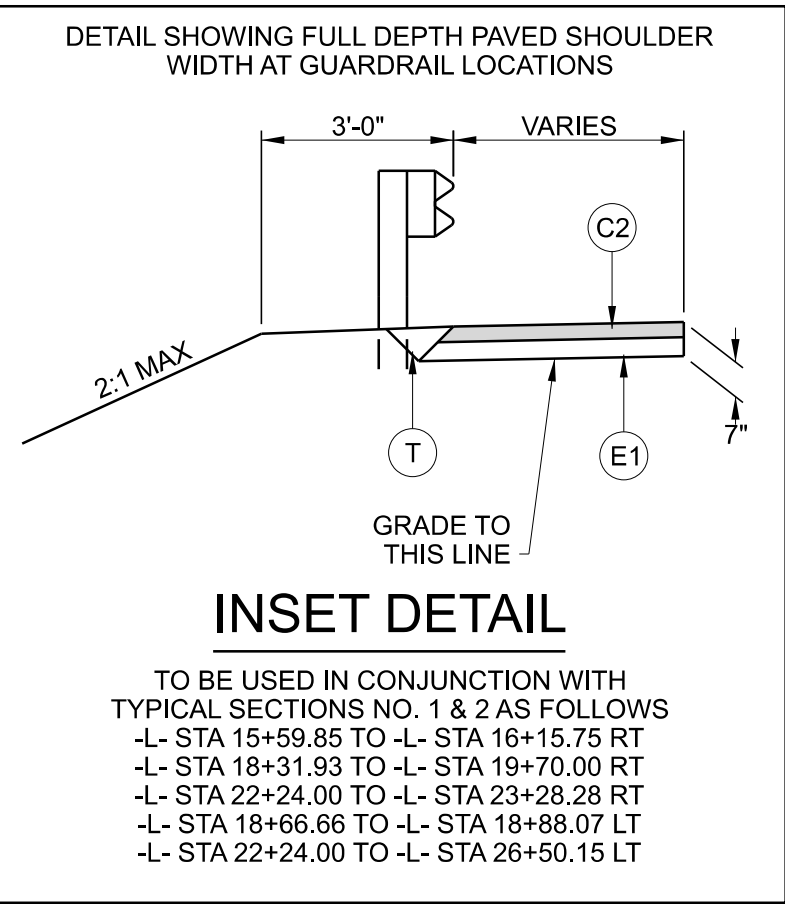2. TRANSITION FROM TYPICAL SECTION NO. 1 TO EXISTING -L- STA 26+75.00 TO 27+00.00

DETAIL SHOWING FULL DEPTH PAVED SHOULDER
WIDTH AT GUARDRAIL LOCATIONS

INSET DETAIL

TO BE USED IN CONJUNCTION WITH
TYPICAL SECTIONS NO. 1 & 2 AS FOLLOWS
-L- STA 15+59.85 TO -L- STA 16+15.75 RT
-L- STA 18+31.93 TO -L- STA 19+70.00 RT
-L- STA 22+24.00 TO -L- STA 23+28.28 RT
-L- STA 18+66.66 TO -L- STA 18+88.07 LT
-L- STA 22+24.00 TO -L- STA 26+50.15 LT

TYPICAL SECTION NO.2

-L- STA. 18+70.00 TO STA 20+26.99 (BEGIN BRIDGE)
-L- STA 21+65.15 (END BRIDGE) TO STA 22+90.00

DETAIL SHOWING SHOULDER BERM GUTTER
ON SUBGRADE

INSET DETAIL

TO BE USED IN CONJUNCTION WITH
TYPICAL SECTION NO. 2 AS FOLLOWS
-L- STA 18+88.07 TO -L- STA 20+09.54 LT
-L- STA 19+70.00 TO -L- STA 20+14.44 RT
-L- STA 21+77.70 TO -L- STA 22+24.00 LT
-L- STA 21+82.60 TO -L- STA 22+24.00 RT

REVISIONS