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PROJECT REFERENCE NO.	SHEET NO.
U-5743	2A-1

R/W SHEET NO.

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 21102 — 02-Apr-2026 — MOTT MACDONALD I& E, LLC LICENSE NO. F-0669

PAVEMENT DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 044590 — 02-Apr-2026

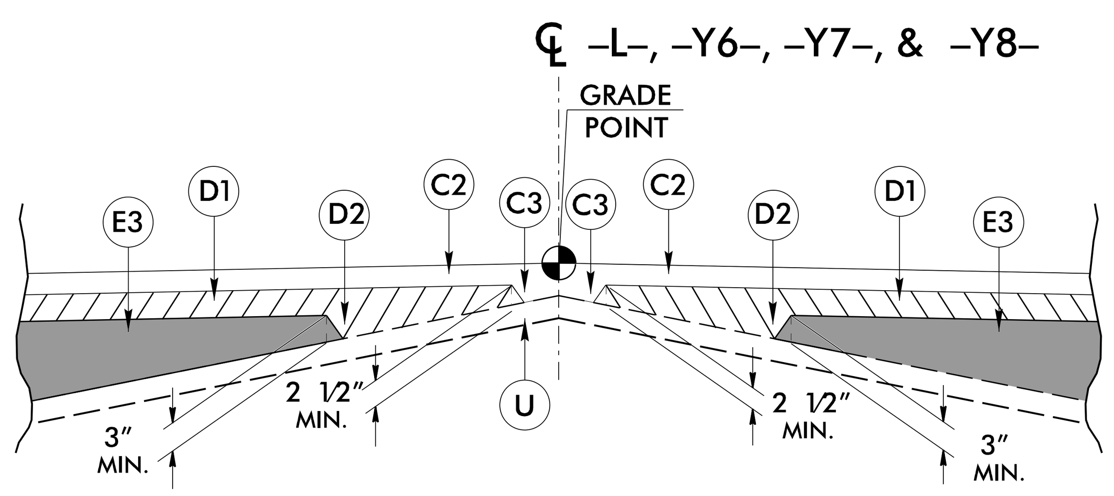
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of: MOTT MACDONALD, 930 Main Campus Drive, Suite 200, Raleigh, NC 27606, www.mottmac.com

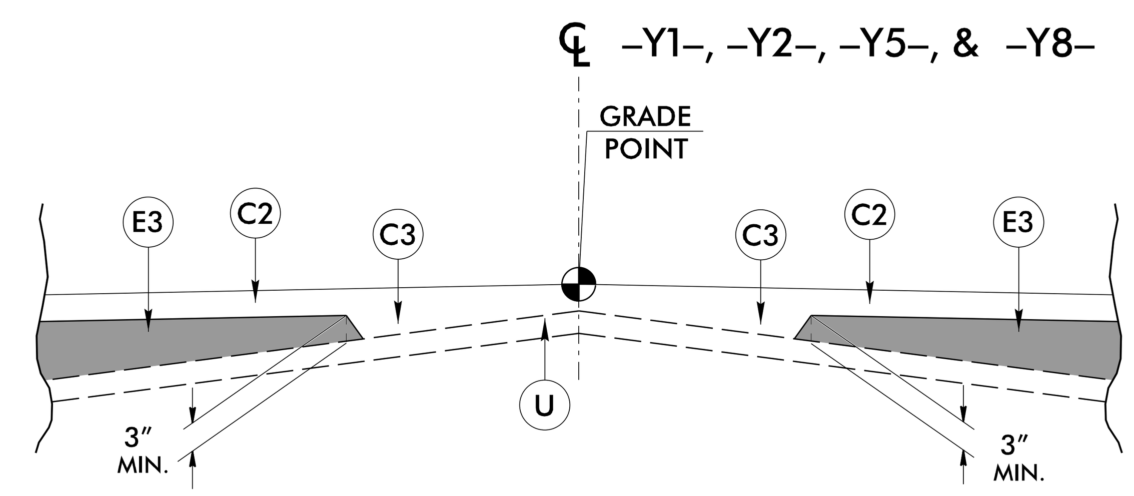
PAVEMENT SCHEDULE
(FINAL PAVEMENT DESIGN DATED 3/6/26)

A	6" PORTLAND CEMENT CONCRETE PAVEMENT (WITH WELDED WIRE MESH)	E2	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.	T	EARTH MATERIAL.
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.	E3	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 5½" IN DEPTH.	U	EXISTING PAVEMENT.
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	K	CLASS IV SUBGRADE STABILIZATION MATERIAL	V1	INCIDENTAL MILLING
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 1" IN DEPTH OR GREATER THAN 1½" IN DEPTH.	N	GEOTEXTILE FOR SUBGRADE STABILIZATION	V2	1.5" MILLING
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	R1	2'-6" CONCRETE CURB AND GUTTER	W1	WEDGING (SEE DETAIL 1 SHOWING METHOD OF WEDGING).
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 2½" IN DEPTH OR GREATER THAN 4" IN DEPTH.	R2	CONCRETE ISLAND (KEYED-IN)	W2	WEDGING (SEE DETAIL 2 SHOWING METHOD OF WEDGING).
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	S	5' SIDEWALK		

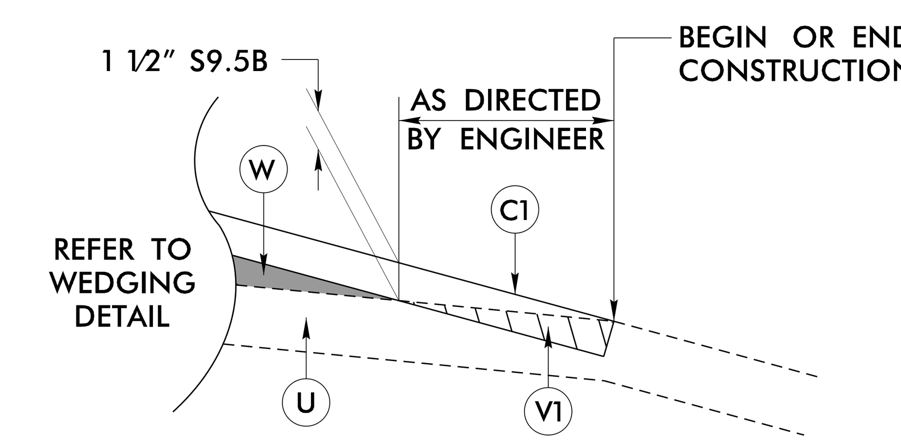
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



DETAIL SHOWING METHOD OF WEDGING 1 (W1)

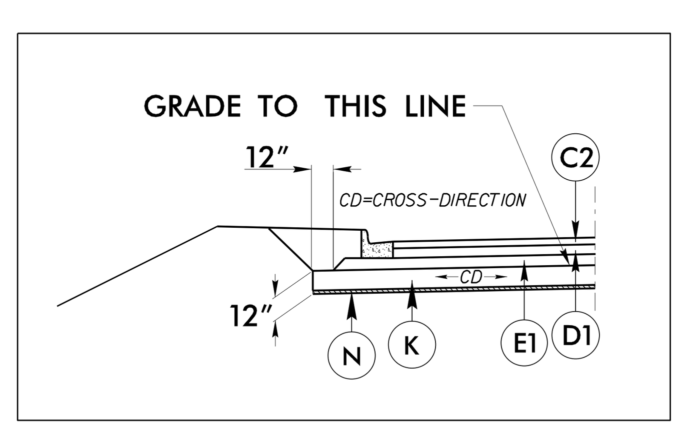


DETAIL SHOWING METHOD OF WEDGING 2 (W2)



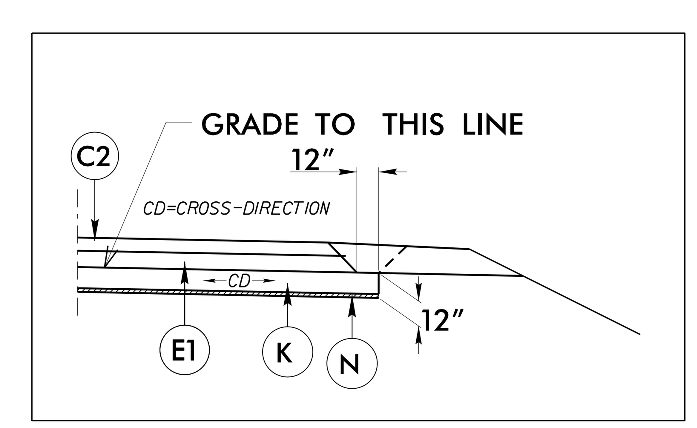
INCIDENTAL MILLING DETAIL

DETAIL SHOWING PROFILE VIEW



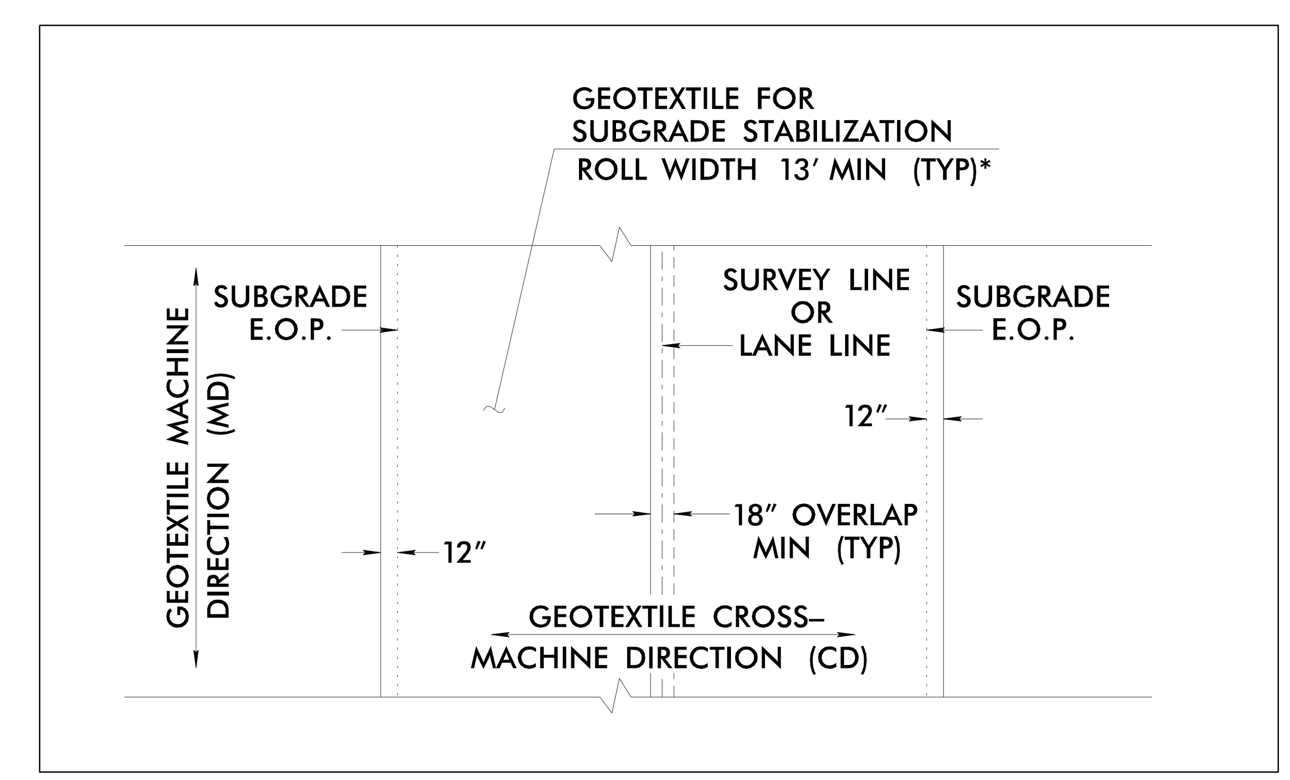
GEOTEXTILE FOR AGGREGATE SUBGRADE STABILIZATION FOR CG WITH ASPHALT BASE

-L- STA. 16+00.00 TO 18+50.00 RT
-L- STA. 23+00.00 TO 25+00.00 LT/RT
-L- STA. 39+00.00 TO 41+00.00 RT
-L- STA. 45+00.00 TO 47+00.00 LT/RT
-L- STA. 51+00.00 TO 53+00.00 RT



GEOTEXTILE FOR AGGREGATE SUBGRADE STABILIZATION FOR SHOULDER WITH ASPHALT BASE

-Y5- STA. 12+00.00 TO 12+50.00 LT/RT



GEOTEXTILE FOR SUBGRADE STABILIZATION PLACEMENT
(PLAN VIEW) (100% COVERAGE REQUIRED)

-L- STA. 16+00.00 TO 18+50.00 RT
-L- STA. 23+00.00 TO 25+00.00 LT/RT
-L- STA. 39+00.00 TO 41+00.00 RT
-L- STA. 45+00.00 TO 47+00.00 LT/RT
-L- STA. 51+00.00 TO 53+00.00 RT
-Y5- STA. 12+00.00 TO 12+50.00 LT/RT

*INSTALL GEOTEXTILE FOR SUBGRADE STABILIZATION WITH MINIMUM ROLL WIDTH UNDER ROADWAY EDGES AND SHOULDERS ADJACENT TO FILL SLOPES