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PROJECT REFERENCE NO.	SHEET NO.
W-5107	2A-1

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 022037 ENGINEER STEPHEN T. SMALLWOOD

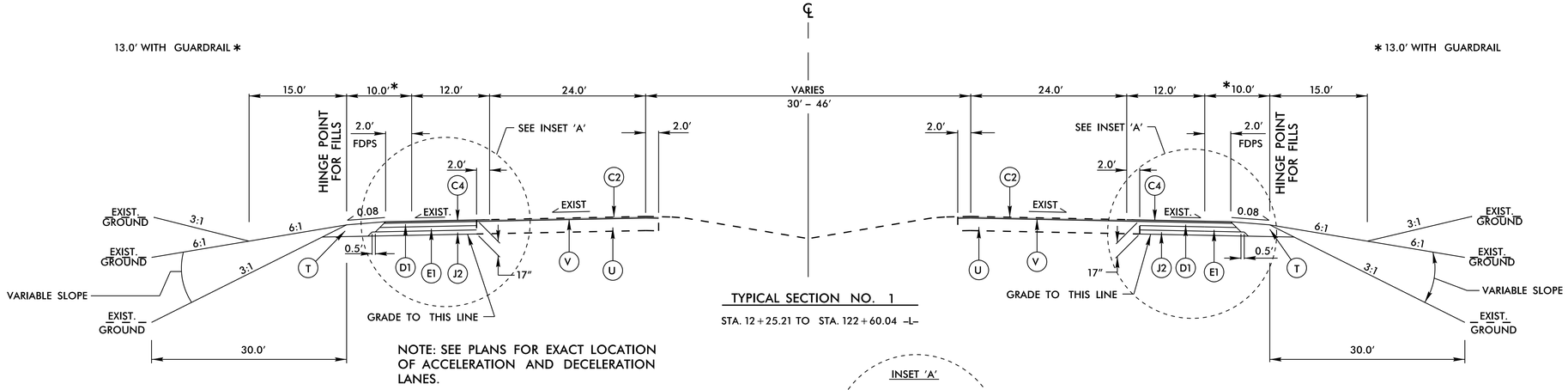
SEAL NOT VALID UNLESS SIGNED AND DATED

PAVEMENT ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 22826 ENGINEER CLARK S. MORRISON

DocuSigned by: Clark S. Morrison 4/7/2015

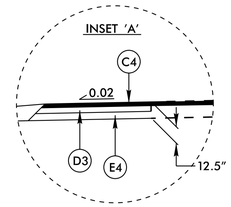
ARCADIS
C & M of North Carolina, Inc.
WWW.ARCADIS-US.COM
801 Corporate Center Drive, Suite 300
Raleigh, NC 27607-5073
Tel: 919/854-1282 Fax: 919/854-5448 NC License No. C-1869



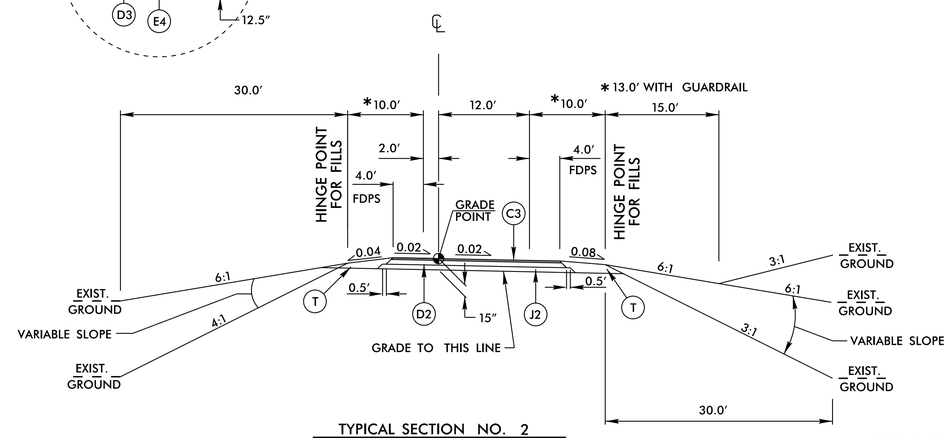
TYPICAL SECTION NO. 1

STA. 12+25.21 TO STA. 122+60.04 –L–

NOTE: SEE PLANS FOR EXACT LOCATION OF ACCELERATION AND DECELERATION LANES.



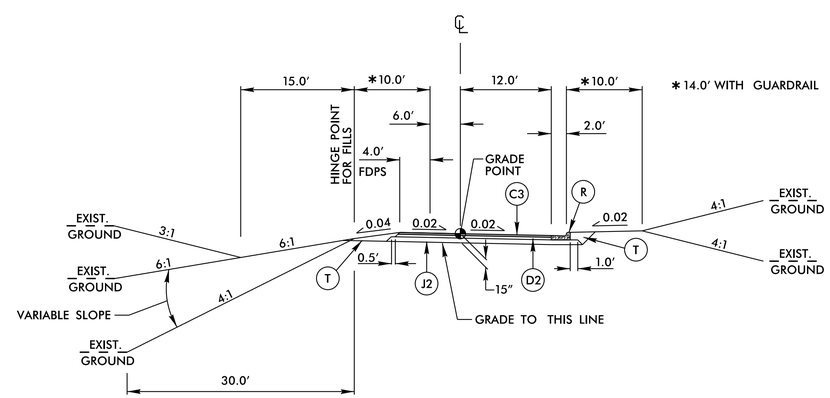
USE INSET 'A' IN CONJUNCTION WITH TYPICAL NO. 1 WHEN WIDENING IS LESS THAN 6'.



TYPICAL SECTION NO. 2

STA. 10+00.00 TO STA. 18+80.84 –Y1RPA–
STA. 10+00.00 TO STA. 20+35.29 –Y1RPC–
STA. 10+00.00 TO STA. 22+59.07 –Y1RPD– (MIRROR)

NOTE: SLOPES WITHIN INTERCHANGE WILL BE 4:1 OR FLATTER. 6:1 SLOPES WILL BE USED IN THE GORE AREAS WHERE FEASIBLE.



TYPICAL SECTION NO. 3

STA. 10+00.00 TO STA. 15+10.65 –Y1LPA–
STA. 10+00.00 TO STA. 17+97.47 –Y1LPC–

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD
C2	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD
C3	PROP. APPROX. 3.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD IN EACH OF TWO LAYERS.
C4	PROP. APPROX. 3.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD IN EACH OF TWO LAYERS.
C5	PROP. VAR. DEPTH ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT TO EXCEED 1.5" IN DEPTH.
D1	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
D2	PROP. APPROX. 4.0" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
D3	PROP. APPROX. 4.0" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1	PROP. APPROX. 3.5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 399 LBS. PER SQ. YD.
E2	PROP. APPROX. 4.0" ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E3	PROP. APPROX. 5.5" ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
E4	PROP. APPROX. 5.5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
E5	PROP. VAR. DEPTH ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT GREATER THAN 5.5" OR LESS THAN 3" IN DEPTH.
J1	PROP. 6" AGGREGATE BASE COURSE
J2	PROP. 8" AGGREGATE BASE COURSE
L	CLASS IV SUBGRADE STABILIZATION
N1	GEOTEXTILE FOR PAVEMENT STABILIZATION
N2	GEOTEXTILE FOR SOIL STABILIZATION
P1	PRIME COAT 0.35 GAL/SY
P2	PRIME COAT 0.50 GAL/SY
R	2'–6" CONCRETE CURB AND GUTTER
R1	5" MONOLITHIC CONCRETE ISLAND (KEYED IN)
R2	SHOULDER BERM GUTTER
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V	MILLING 1.5"
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAIL)

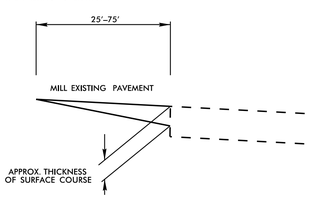
Note: Pavement Edge Slopes are 1:1 Unless Shown Otherwise

MILLING AT PAVEMENT TIE-INS

FOR SURFACE MIXES OVER 1" IN THICKNESS, MILL THE EXISTING PAVEMENT IN ACCORDANCE WITH THE FOLLOWING SKETCH AS DIRECTED BY THE ENGINEER.

LOCATIONS SHALL INCLUDE TIES TO EXISTING PAVEMENT AT THE BEGINNING AND END OF RESURFACING LOCATIONS.

PERFORM THE WORK IN ACCORDANCE WITH SECTION 607 OF THE JANUARY 2012 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. RESURFACING WILL BE ACCOMPLISHED AT THE SAME TIME AS THE MILLING OPERATION.



5/14/99
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1/7/2015