STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

July 11, 2024

Addendum No. 2
RE: Contract # C204843
WBS # 44385.3.3
FEDERAL-AID NO. NHP-0064(206)
Randolph County (U-5813)
US-64 FROM ASHEBORO BYPASS TO EAST OF I-73/I-74/US-220

July 16, 2024 Letting

To Whom It May Concern:

Reference is made to the plans furnished to you on this project.

The following revisions have been made to the Roadway Plans.

Sheet No.	Revision
2A-1	W4 added to Pavement Schedule for the wedging on -Y17-
2A-2	Wedging Detail No. 4 added to Pavement Schedule for the wedging on -Y17-
2A-6	Typical Section No. 16 modified to show -Y_SLIP- resurfacing, widening, and wedging
2A-8	Revised to show -Y8- to utilize Typical No. 24. New Typical Section No. 25A created to show -Y13- resurfacing, widening, and wedging
2A-9	New Typical Section No. 26A created to show -Y14- resurfacing, widening, and wedging. New Typical Section No. 28A created to show -Y17- resurfacing, widening, and wedging station locations. Typical Section No. 28 modified to show the -Y17- full depth pavement station locations
2A-10	New Typical Section No. 32B was created to show -RPB_REV- resurfacing, widening, and wedging

Please void the above listed Sheets in your proposal and staple the revised Sheets thereto.

The contract will be prepared accordingly.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

Website: www.ncdot.gov

Sincerely,

DocuSigned by:
Ronald E. Davenport, Jr.
52C46046381F443...

Ronald E. Davenport, Jr., PE
State Contract Officer

RED/jjr
Attachments

cc: Mr. Wiley W. Jones III, PE
Mr. Reuben Blakley, PE
Mr. Ken Kennedy, PE
Mr. Malcolm Bell
Mr. Forrest Dungan, PE
Ms. Jaci Kincaid
Mr. Jon Weathersbee, PE
Project File (2)

6/2/99

PAVEMENT SCHEDULE
(FINAL PAVEMENT DESIGN)

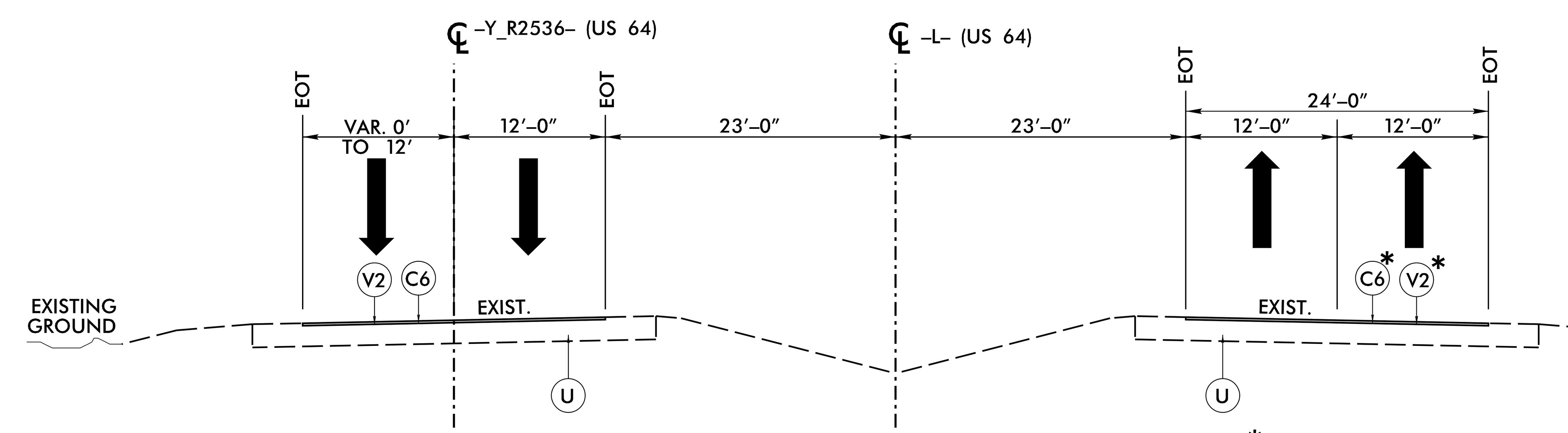
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE 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 1.5" IN DEPTH.
C4	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 LESS THAN 1.5" IN DEPTH OR GREATER THAN 2" IN DEPTH.
C5	PROP. APPROX. 2.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C6	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
D2	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
D3	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 2.5" IN DEPTH OR GREATER THAN 4" IN DEPTH.
E1	PROP. APPROX. 3" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E2	PROP. APPROX. 3.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 399 LBS. PER SQ. YD.
E3	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E4	PROP. APPROX. 4.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 513 LBS. PER SQ. YD.
E5	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
E6	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 5.5" IN DEPTH.
J1	PROP. 8" AGGREGATE BASE COURSE
J2	PROP. 6" AGGREGATE BASE COURSE
K1	SUBBASE TO BE TREATED WITH LIME TO A DEPTH OF 8", AT A RATE OF 24 LBS. PER SQ. YD., AS DIRECTED BY THE ENGINEER. OR SUBBASE TO BE TREATED WITH CEMENT TO A DEPTH OF 7", AT A RATE OF 56 LBS. PER SQ. YD., AS DIRECTED BY THE ENGINEER.
K2	PROP 8" CLASS IV SUBGRADE STABILIZATION.
N1	GEOTEXTILE FOR SUBGRADE STABILIZATION.
P1	PRIME COAT AT THE RATE OF 0.35 GAL. PER SQ. YARD.
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	1'-6" CONCRETE CURB AND GUTTER.
R3	SHOULDER BERM GUTTER.
R4	CONCRETE EXPRESSWAY GUTTER.
R5	5" MONOLITHIC CONCRETE ISLAND (KEYED IN).
R6	5" MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED).
R7	2'-9" CONCRETE CURB AND GUTTER
S1	4" CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V1	INCIDENTAL MILLING.
V2	1½" MILLING.
W1	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 1 ON SHEET 2A-2).
W2	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 2 ON SHEET 2A-2).
W3	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 3 ON SHEET 2A-2).
W4	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 4 ON SHEET 2A-2).

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

HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
U-5813	2A-1
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 37950 JASON M. PICKENS 7/10/2024	NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 044530 ANDREW D. WARGO 7/10/2024

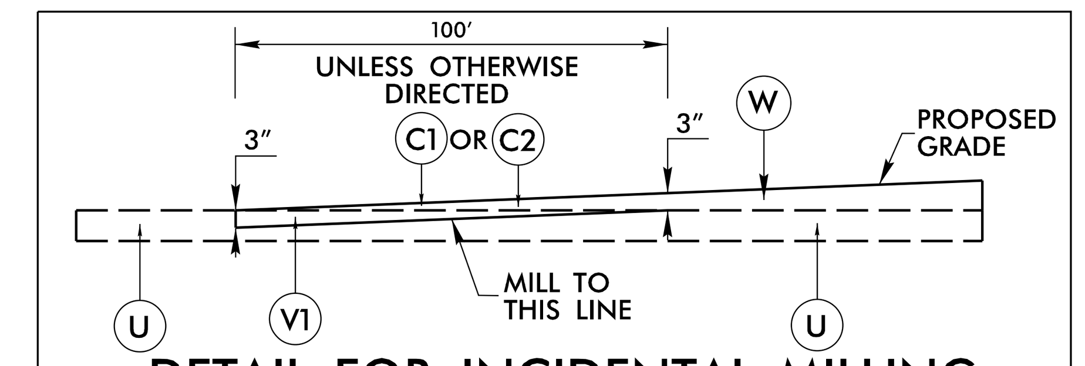
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



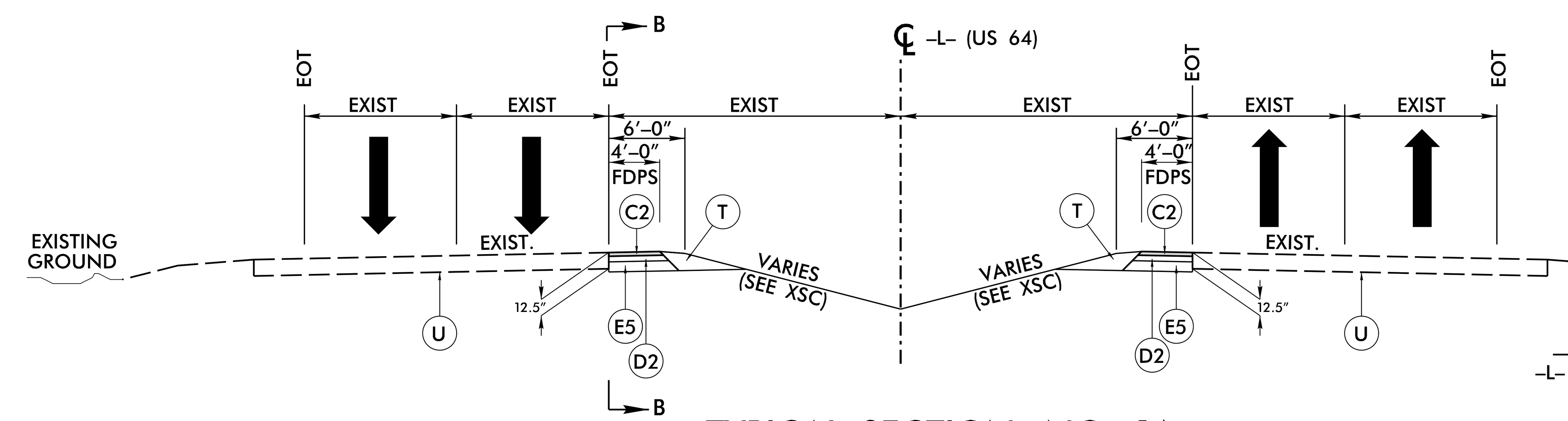
*-L- STA. 15+67.27 TO -L- STA. 25+21.06 RT

TYPICAL SECTION NO. 1
R-2536 TRANSITION TO -L- (US 64)

USE TYPICAL SECTION NO. 1
-Y_R2536- STA. 10+00.00 TO -Y_R2536- STA. 39+93.56
-L- STA. 10+00.00 TO -L- STA. 25+21.06

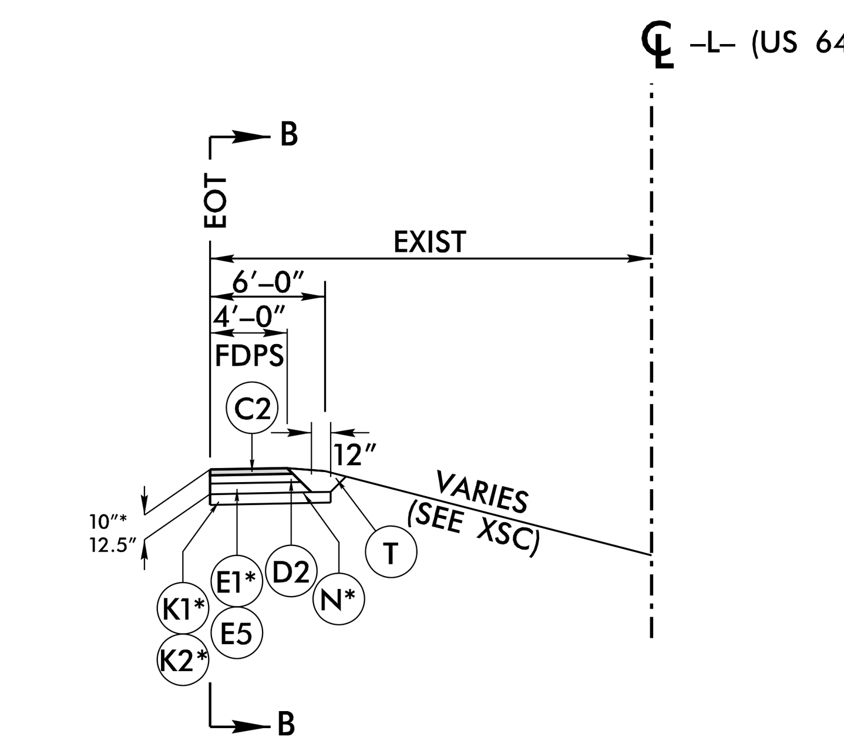


DETAIL FOR INCIDENTAL MILLING

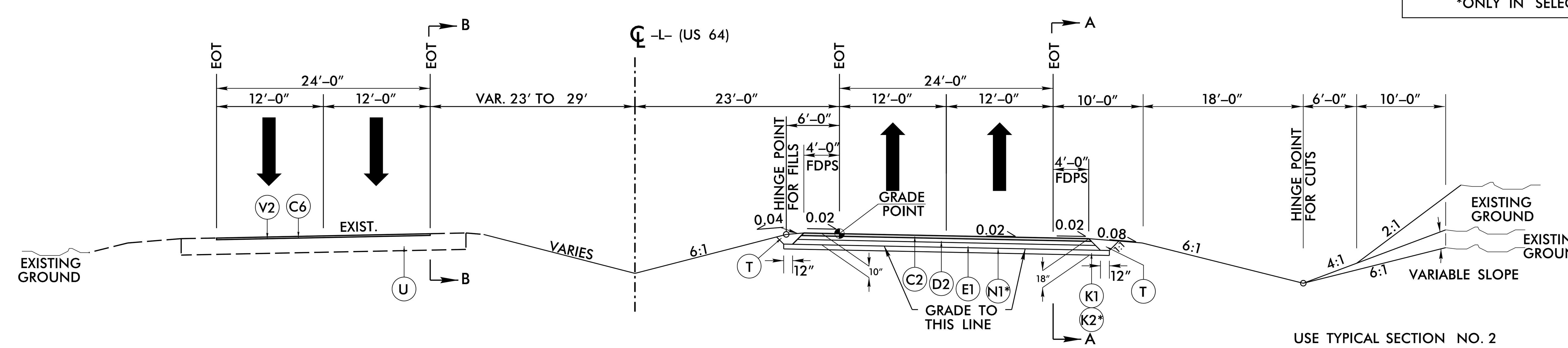


TYPICAL SECTION NO. 1A
-L- (US 64)

USE TYPICAL SECTION NO. 1A
-L- STA. 17+50.00 TO -L- STA. 25+21.06

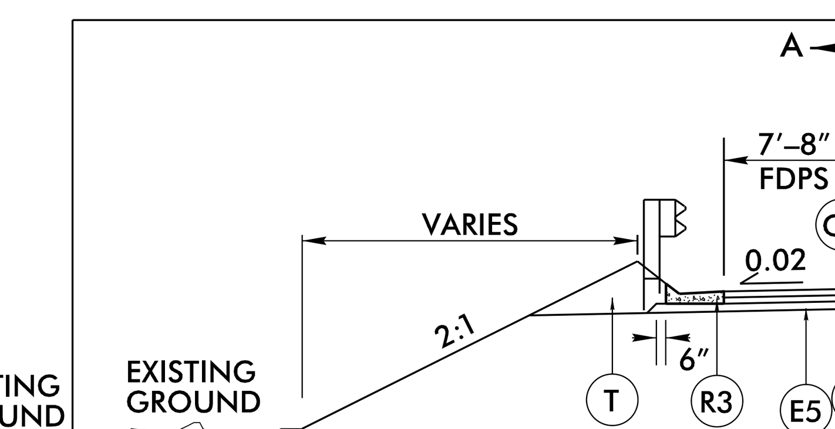


INSET FOR TYPICAL SECTION NO. 1A & 2
-L- STA. 23+80.00 TO -L- STA. 25+21.06
-L- STA. 25+21.06 TO -L- STA. 30+62.50*
*ONLY IN SELECT LOCATIONS (SEE SHEET 2A-2)

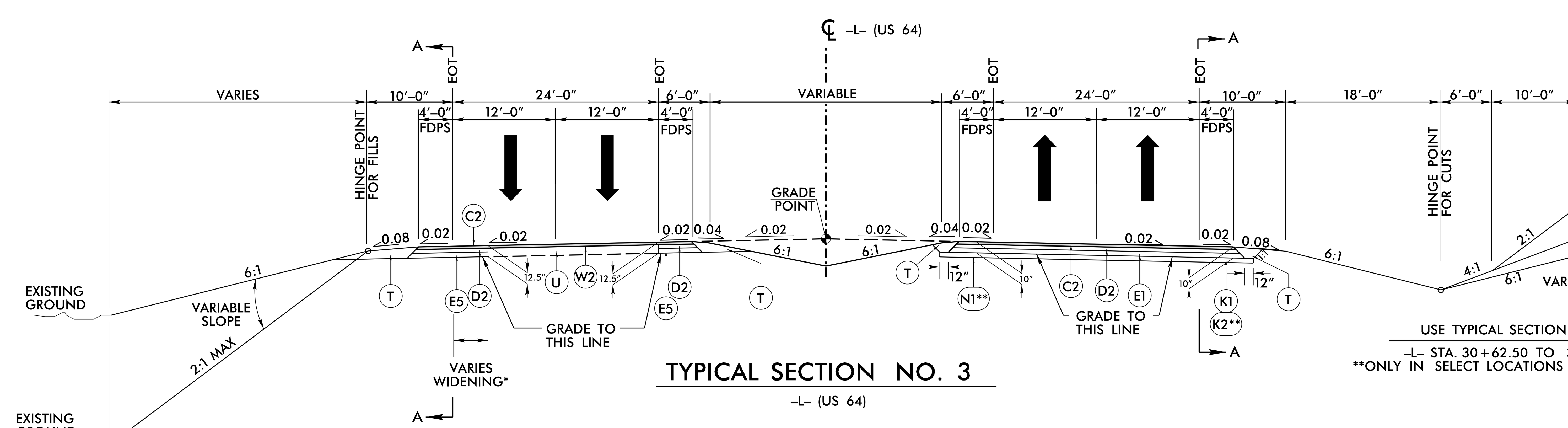


TYPICAL SECTION NO. 2
R-2536 TRANSITION TO -L- (US 64)

USE TYPICAL SECTION NO. 2
-L- STA. 25+21.06 TO -L- STA. 30+62.50
*ONLY IN SELECT LOCATIONS (SEE SHEET 2A-2)



INSET FOR TYPICAL SECTION NO. 2 & 3
-L- STA. 30+62.50 TO 31+56.44 LT
-L- STA. 24+25.00 TO 31+99.49 RT



TYPICAL SECTION NO. 3
-L- (US 64)

*NOTE: IN AREAS OF NARROW WIDENING (<6' TOTAL PAVEMENT) USE SHOWN PAVEMENT DEPTH, OTHERWISE REVERT TO STANDARD MAINLINE BASE DEPTH OF 3".

USE TYPICAL SECTION NO. 3
-L- STA. 30+62.50 TO 37+20.47
**ONLY IN SELECT LOCATIONS (SEE SHEET 2A-2)

NOTES:
1) SEE PLANS FOR TURN LANES, MONOLITHIC ISLANDS, CURB AND GUTTER, SIDEWALK AND LANE TAPER LOCATIONS.
2) DO NOT USE STABILIZATION ON PAVEMENT WIDTHS LESS THAN 6 FEET.

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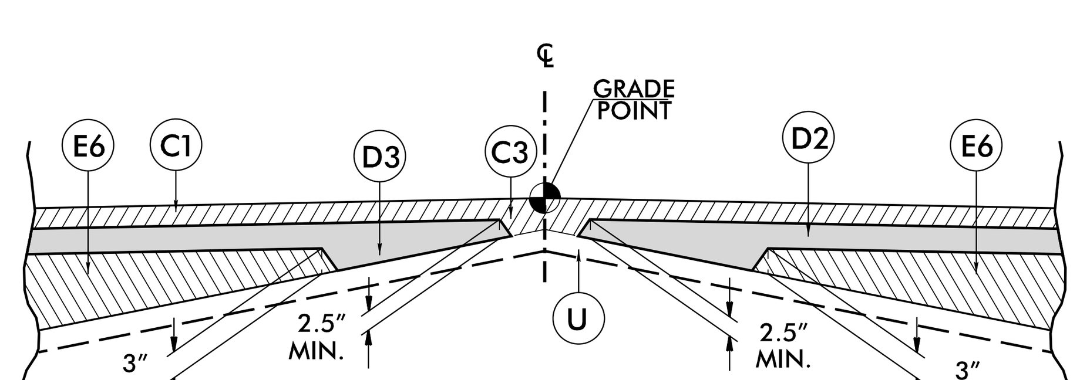
\Roadway\Proj\u5813_rdy_typ.dgn
HNTB

6/2/99

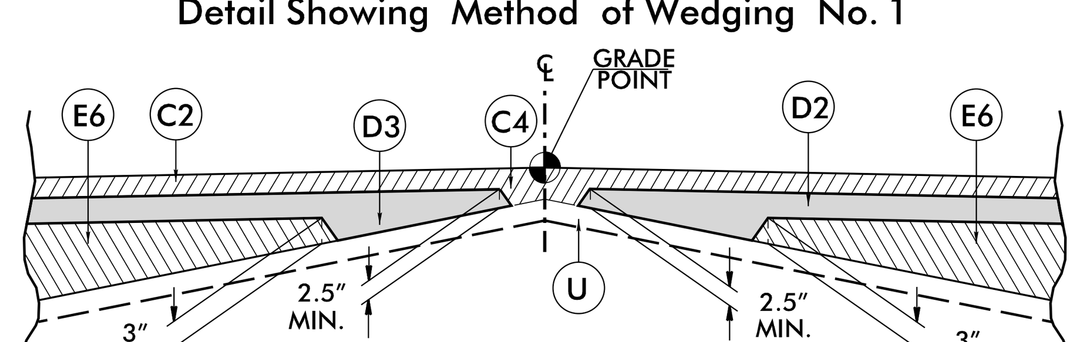
PAVEMENT SCHEDULE
(FINAL PAVEMENT DESIGN)

C1	PROP. APPROX. 3" ACSC, TYPE S9.5B.
C2	PROP. APPROX. 3" ACSC, TYPE S9.5C.
C3	PROP. VAR. DEPTH ACSC, TYPE S9.5B.
C4	PROP. VAR. DEPTH ACSC, TYPE S9.5C.
D1	PROP. APPROX. 2.5" ACIC, TYPE I19.0C.
D2	PROP. APPROX. 4" ACIC, TYPE I19.0C.
D3	PROP. VAR. DEPTH ACIC, TYPE I19.0C.
E1	PROP. APPROX. 3" ACBC, TYPE B25.0C.
E2	PROP. APPROX. 3.5" ACBC, TYPE B25.0C.
E3	PROP. APPROX. 4" ACBC, TYPE B25.0C.
E4	PROP. APPROX. 4.5" ACBC, TYPE B25.0C.
E5	PROP. APPROX. 5.5" ACBC, TYPE B25.0C.
E6	PROP. VAR. DEPTH ACBC, TYPE B25.0C.
J1	PROP. 8" ABC
K1	PROP. 8" LIME STABILIZATION. OR PROP. 7" CEMENT STABILIZATION.
K2	PROP 8" CLASS IV SUBGRADE STABILIZATION.
N1	GEOTEXTILE FOR SUBGRADE STABILIZATION.
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	1'-6" CONCRETE CURB AND GUTTER (STD MOUNTABLE).
R3	SHOULDER BERM GUTTER.
R4	CONCRETE EXPRESSWAY GUTTER.
R5	5" MONOLITHIC CONCRETE ISLAND (KEYED IN).
R6	5" MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED).
R7	2'-9" CONCRETE CURB AND GUTTER
S1	4" CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
W1	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 1 ON THIS SHEET).
W2	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 2 ON THIS SHEET).
W3	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 3 ON THIS SHEET).
W4	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 4 ON THIS SHEET).

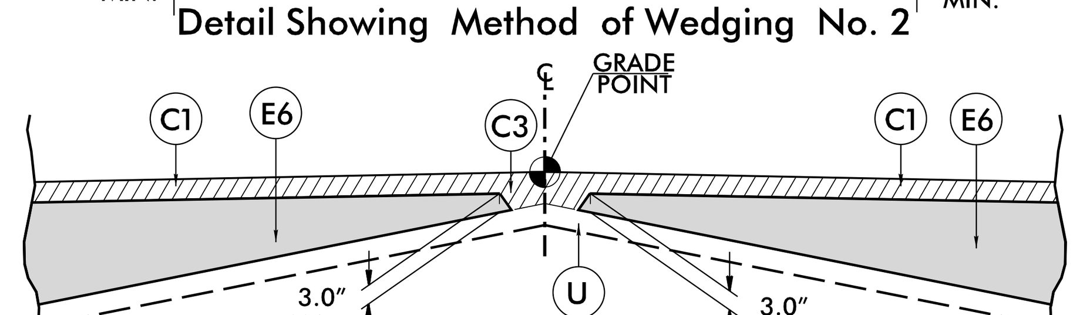
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



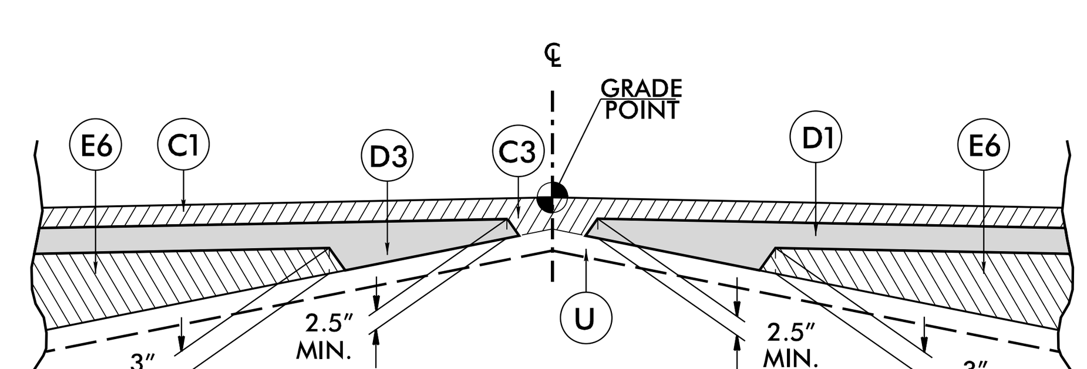
Detail Showing Method of Wedging No. 1



Detail Showing Method of Wedging No. 2



Detail Showing Method of Wedging No. 3

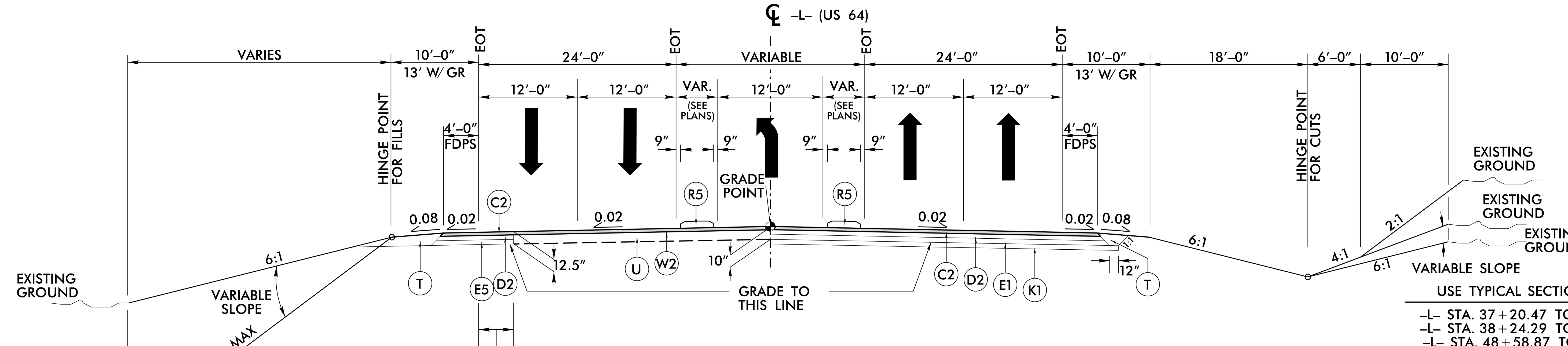


Detail Showing Method of Wedging No. 4

HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
U-5813	2A-2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL ENGINEER JASON M. PICKENS DocuSigned by: Jason M. Pickens 76DF15861D354B4... 7/10/2024	NORTH CAROLINA PROFESSIONAL SEAL ENGINEER ANDREW D. WARGO DocuSigned by: Andrew Wargo 2D2C959DCBCA49E... 7/10/2024

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

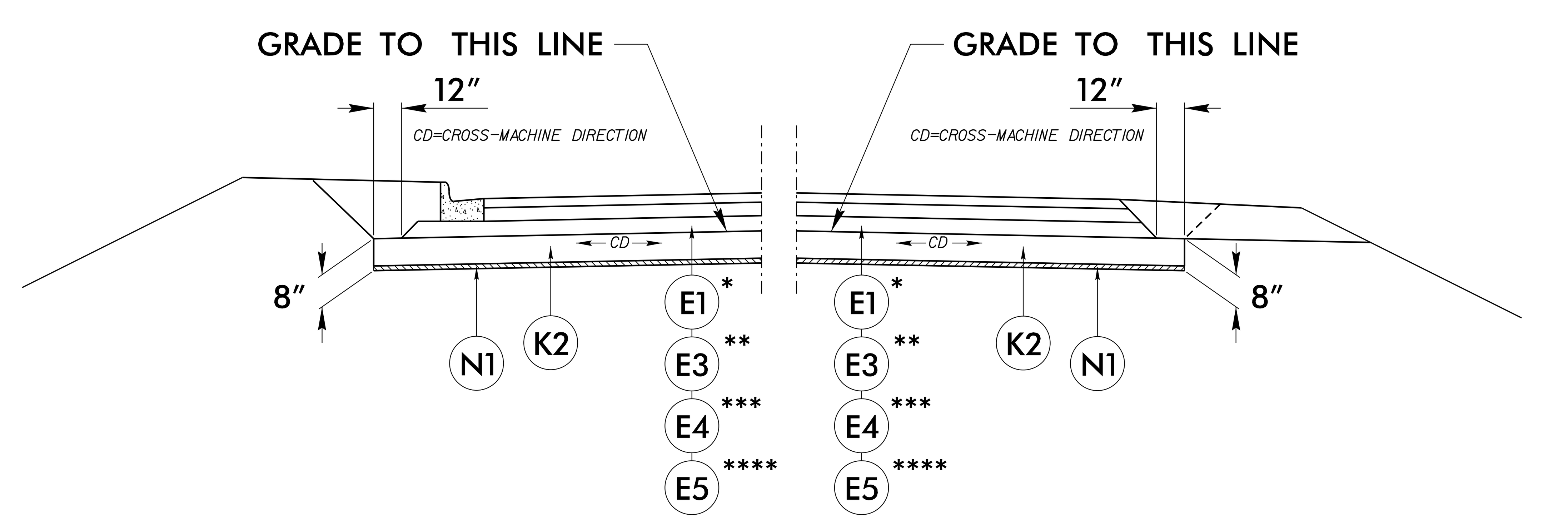


TYPICAL SECTION NO. 4
-L- (US 64)

*NOTE: IN AREAS OF NARROW WIDENING (<6' TOTAL PAVEMENT) USE SHOWN PAVEMENT DEPTH, OTHERWISE REVERT TO STANDARD MAINLINE BASE DEPTH OF 3".

USE TYPICAL SECTION NO. 4

-L- STA. 37+20.47 TO 37+35.56
-L- STA. 38+24.29 TO 38+93.55
-L- STA. 48+58.87 TO 49+02.11
-L- STA. 60+10.93 TO 60+38.53
-L- STA. 67+06.06 TO 67+33.67
-L- STA. 75+83.70 TO 76+13.30
-L- STA. 77+90.31 TO 78+19.98



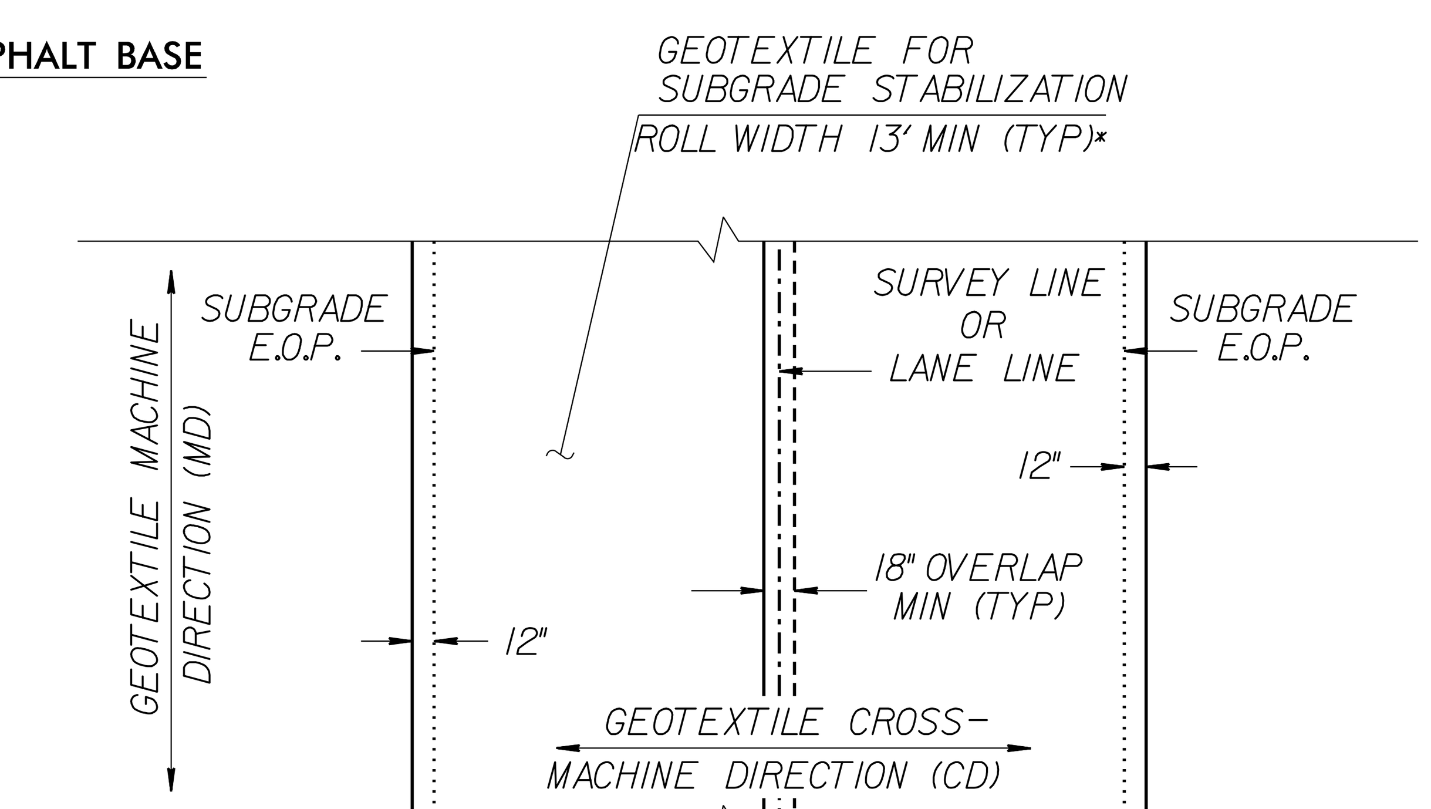
AGGREGATE SUBGRADE TYPE 2 FOR CG WITH ASPHALT BASE

AGGREGATE SUBGRADE TYPE 2 FOR SHOULDER WITH ASPHALT BASE

USE IN CONJUNCTION WITH
TYPICAL SECTION NO. 2, 3, 5, 6, 13, 15, 18, 25, 27, 32, 32A, 34, AND FROM

* -L- STA. 25+50.00 TO 31+00.00 CL
* -L- STA. 31+00.00 TO 32+00.00 RT
* -L- STA. 47+50.00 TO 48+50.00 RT
* -L- STA. 53+00.00 TO 57+50.00 RT
* -L- STA. 67+50.00 TO 69+00.00 RT
* -L- STA. 71+50.00 TO 75+00.00 RT
**** -L- STA. 105+25.00 TO 105+75.00 LT
* -RPA_REV- STA. 14+50.00 TO 16+00.00 LT
* -RPBC- STA. 11+25.00 TO 13+75.00 CL
* -RPC_REV- STA. 17+00.00 TO 19+75.00 CL
* -RPD_REV- STA. 18+25.00 TO 20+50.00 CL
*** -Y- STA. 18+00.00 TO 21+50.00 LT
*** -Y- STA. 23+00.00 TO 25+50.00 CL
** -Y4_REV- STA. 12+75.00 TO 13+50.00 LT
** -Y7- STA. 12+00.00 TO 13+25.00 CL
** -DRW02- STA. 10+50.00 TO 11+00.00 RT

NOTE: -DRW02- FORMERLY KNOWN AS -Y15- AS REFERENCED IN GEOTECHNICAL REPORTS
-Y4_REV- FORMERLY KNOWN AS -Y4- AS REFERENCED IN GEOTECHNICAL REPORTS



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

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

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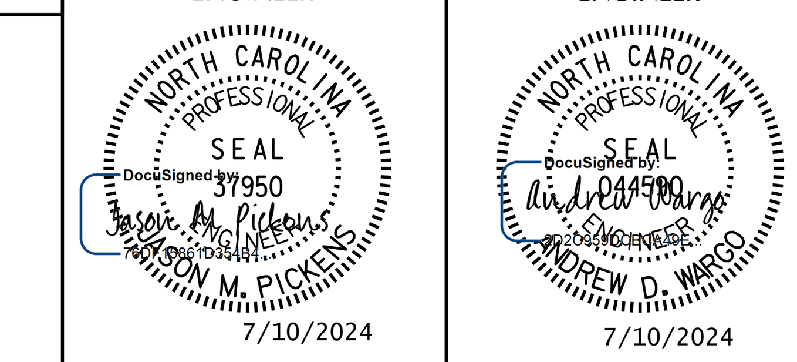
HNTB

HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
U-5813	2A-6
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER



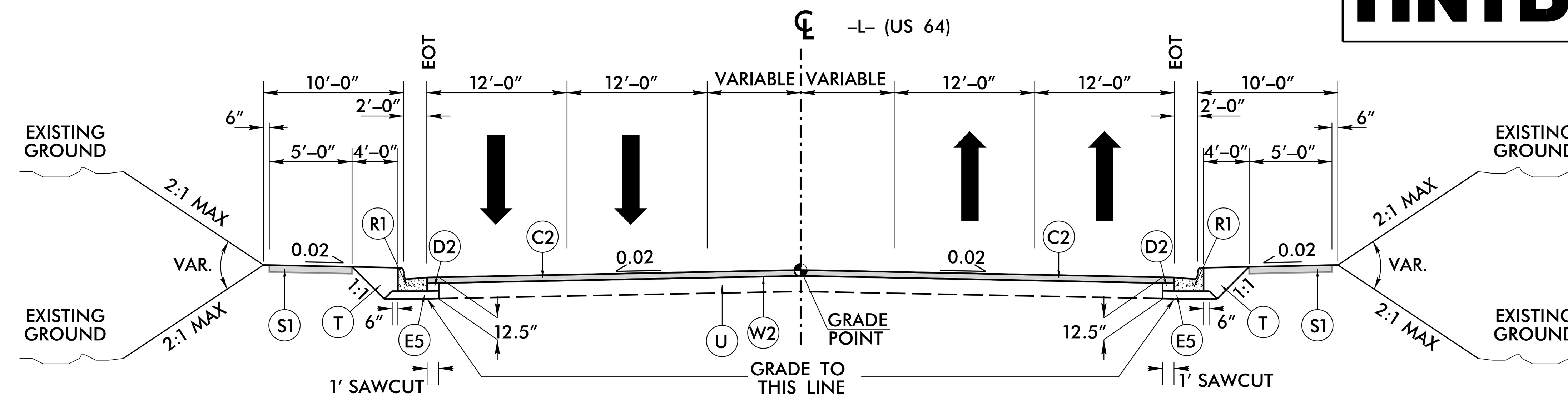
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PAVEMENT SCHEDULE

(FINAL PAVEMENT DESIGN)

C1	PROP. APPROX. 3″ ACSC, TYPE S9.5B.
C2	PROP. APPROX. 3″ ACSC, TYPE S9.5C.
C3	PROP. VAR. DEPTH ACSC, TYPE S9.5B.
C4	PROP. VAR. DEPTH ACSC, TYPE S9.5C.
D1	PROP. APPROX. 2.5″ ACIC, TYPE I19.0C.
D2	PROP. APPROX. 4″ ACIC, TYPE I19.0C.
D3	PROP. VAR. DEPTH ACIC, TYPE I19.0C.
E1	PROP. APPROX. 3″ ACBC, TYPE B25.0C.
E2	PROP. APPROX. 3.5″ ACBC, TYPE B25.0C.
E3	PROP. APPROX. 4″ ACBC, TYPE B25.0C.
E4	PROP. APPROX. 4.5″ ACBC, TYPE B25.0C.
E5	PROP. APPROX. 5.5″ ACBC, TYPE B25.0C.
E6	PROP. VAR. DEPTH ACBC, TYPE B25.0C.
J1	PROP. 8″ ABC
K1	PROP. 8″ LIME STABILIZATION. OR PROP. 7″ CEMENT STABILIZATION.
K2	PROP 8″ CLASS IV SUBGRADE STABILIZATION.
N1	GEOTEXTILE FOR SUBGRADE STABILIZATION.
R1	2′-6″ CONCRETE CURB AND GUTTER.
R2	1′-6″ CONCRETE CURB AND GUTTER (STD MOUNTABLE).
R3	SHOULDER BERM GUTTER.
R4	CONCRETE EXPRESSWAY GUTTER.
R5	5″ MONOLITHIC CONCRETE ISLAND (KEYED IN).
R6	5″ MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED).
R7	2′-9″ CONCRETE CURB AND GUTTER
S1	4″ CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
W1	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 1 ON SHEET 2A-2).
W2	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 2 ON SHEET 2A-2).
W3	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 3 ON SHEET 2A-2).
W4	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 4 ON SHEET 2A-2).

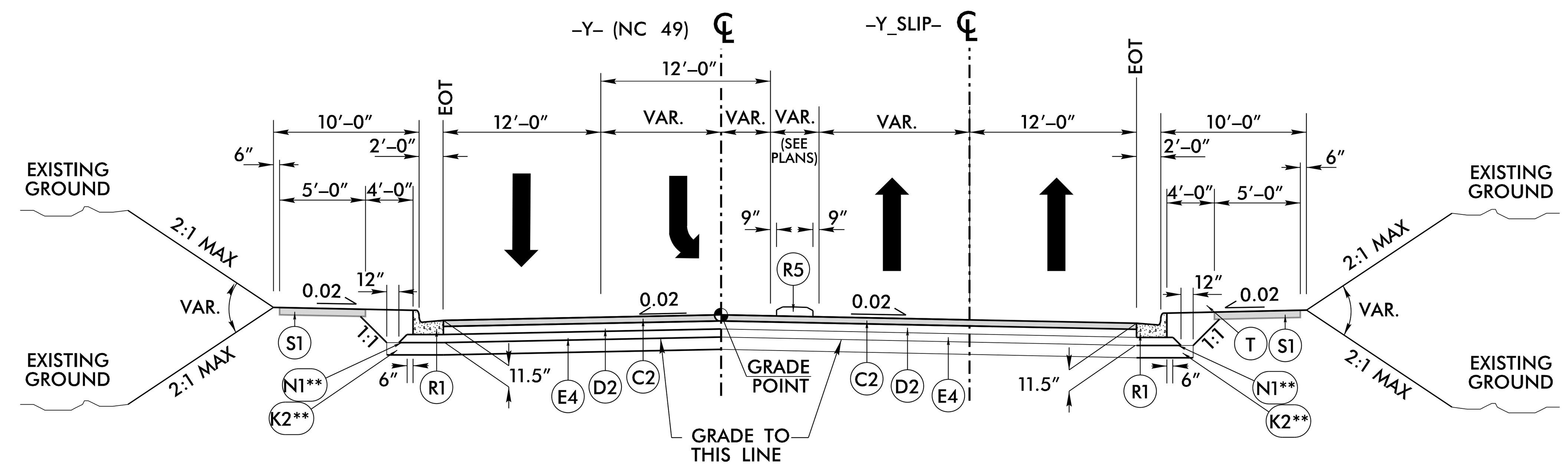
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



TYPICAL SECTION NO. 14

-L- (US 64)

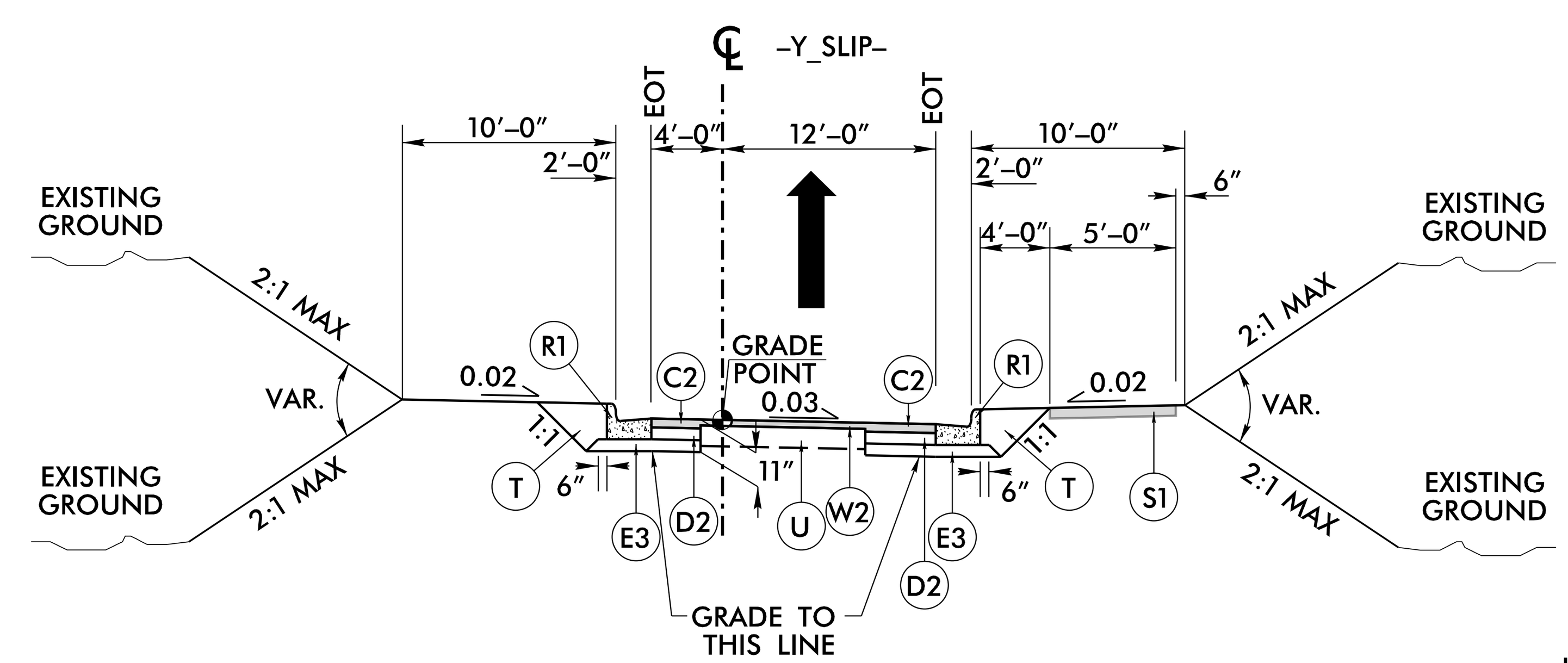
USE TYPICAL SECTION NO. 14
-L- STA. 123+32.50 TO STA. 129+34.14



TYPICAL SECTION NO. 15

-Y- (NC 49)

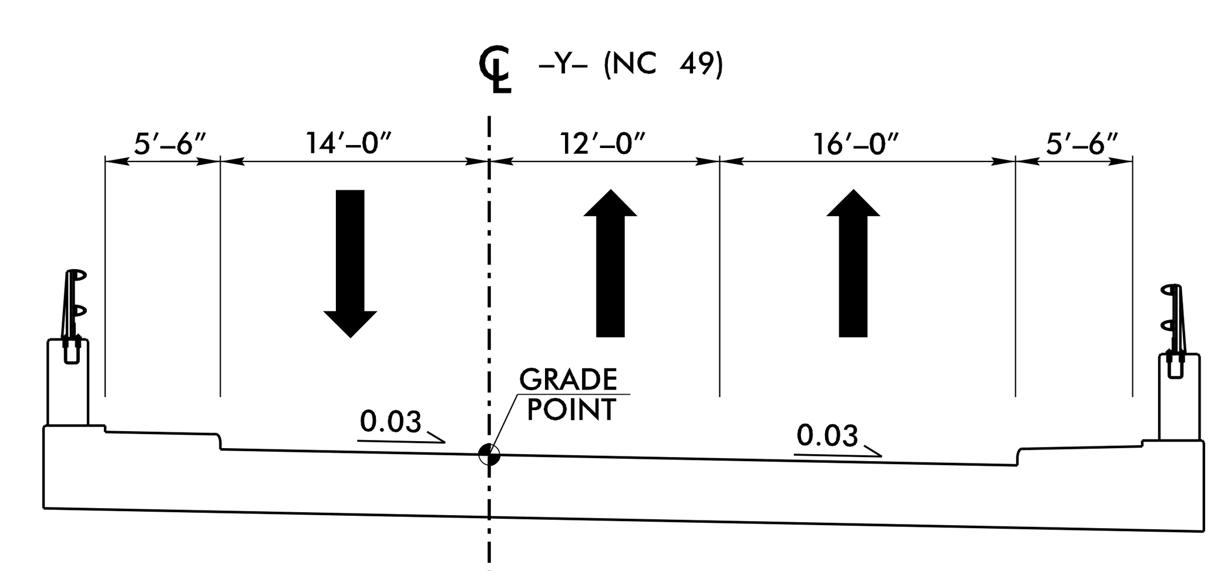
USE TYPICAL SECTION NO. 15
-Y- STA. 14+37.89 TO STA. 21+14.37 (BEGIN BRIDGE)
**ONLY IN SELECT LOCATIONS (SEE SHEET 2A-2)



TYPICAL SECTION NO. 16

-Y_SLIP- (NC 49)

USE TYPICAL SECTION NO. 16
-Y_SLIP- STA. 10+00.00 TO STA. 21+26.05



TYPICAL SECTION NO. 17

USE TYPICAL SECTION NO. 17 FOR BRIDGE OF -Y- (NC 49)

USE TYPICAL SECTION NO. 17
-Y- STA. 21+14.37 TO STA. 22+81.70

NOTES:

1) SEE PLANS FOR TURN LANES, MONOLITHIC ISLANDS, CURB AND GUTTER, SIDEWALK AND LANE TAPER LOCATIONS.

2) DO NOT USE STABILIZATION ON PAVEMENT WIDTHS LESS THAN 6 FEET.

3) REMOVE PARTIAL DEPTH PAVED SHOULDERS ALONG -L- BETWEEN STATIONS 100+00 AND 125+00.

6/2/99
10-JUL-2024 10:27
\Roadway\Proj\u5813_rdy_typ.dgn
HNTB

6/2/99

PAVEMENT SCHEDULE
(FINAL PAVEMENT DESIGN)

C1	PROP. APPROX. 3" ACSC, TYPE S9.5B.
C2	PROP. APPROX. 3" ACSC, TYPE S9.5C.
C3	PROP. VAR. DEPTH ACSC, TYPE S9.5B.
C4	PROP. VAR. DEPTH ACSC, TYPE S9.5C.
D1	PROP. APPROX. 2.5" ACIC, TYPE I19.0C.
D2	PROP. APPROX. 4" ACIC, TYPE I19.0C.
D3	PROP. VAR. DEPTH ACIC, TYPE I19.0C.
E1	PROP. APPROX. 3" ACBC, TYPE B25.0C.
E2	PROP. APPROX. 3.5" ACBC, TYPE B25.0C.
E3	PROP. APPROX. 4" ACBC, TYPE B25.0C.
E4	PROP. APPROX. 4.5" ACBC, TYPE B25.0C.
E5	PROP. APPROX. 5.5" ACBC, TYPE B25.0C.
E6	PROP. VAR. DEPTH ACBC, TYPE B25.0C.
J1	PROP. 8" ABC
K1	PROP. 8" LIME STABILIZATION. OR PROP. 7" CEMENT STABILIZATION.
K2	PROP 8" CLASS IV SUBGRADE STABILIZATION.
N1	GEOTEXTILE FOR SUBGRADE STABILIZATION.
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	1'-6" CONCRETE CURB AND GUTTER (STD MOUNTABLE).
R3	SHOULDER BERM GUTTER.
R4	CONCRETE EXPRESSWAY GUTTER.
R5	5" MONOLITHIC CONCRETE ISLAND (KEYED IN).
R6	5" MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED).
R7	2'-9" CONCRETE CURB AND GUTTER
S1	4" CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
W1	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 1 ON SHEET 2A-2).
W2	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 2 ON SHEET 2A-2).
W3	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 3 ON SHEET 2A-2).
W4	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 4 ON SHEET 2A-2).

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

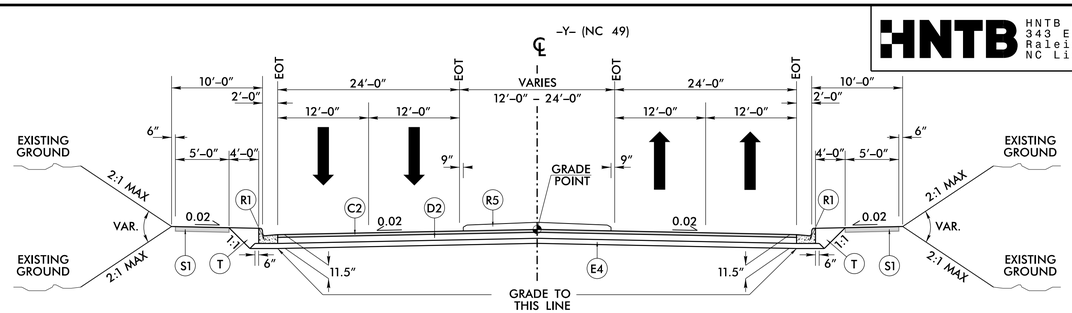
HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
U-5813	2A-8

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 37350 ENGINEER JASON M. PICKENS
Docusigned by: Jason M. Pickens
7/10/2024

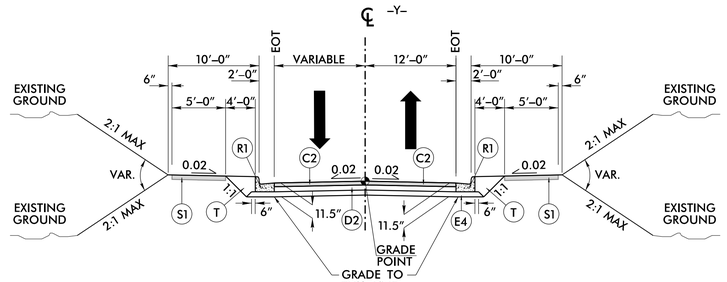
PAVEMENT DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 044590 ENGINEER ANDREW D. MIERZWA
Docusigned by: Andrew D. Mierzwa
7/10/2024

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



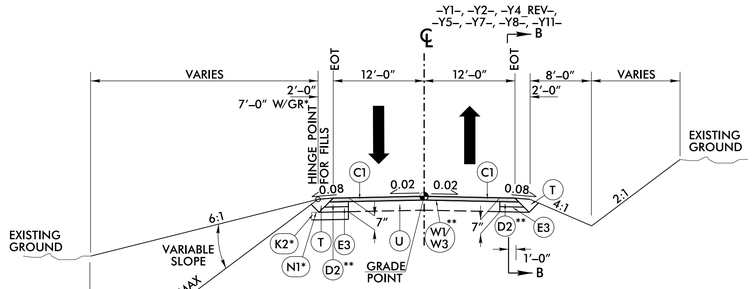
TYPICAL SECTION NO. 22
-Y- (NC 49)

USE TYPICAL SECTION NO. 22
-Y- STA. 46+25.00 TO 48+22.66



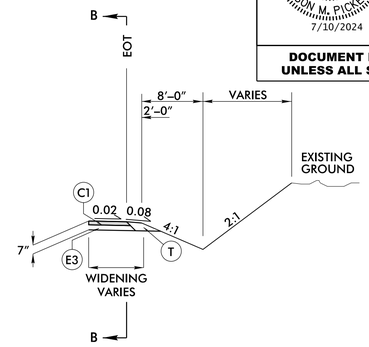
TYPICAL SECTION NO. 23
-Y- (NC 49)

USE TYPICAL SECTION NO. 23
-Y- STA. 48+22.66 TO STA. 50+78.21

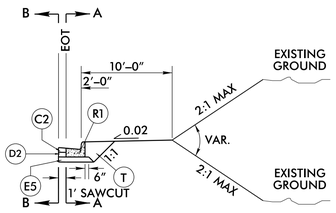


TYPICAL SECTION NO. 24
-Y1- (SR 1424)
-Y2-
*-Y4_REV- (SR 3255)
-Y5-
-Y7-
-Y8- (SR 1428)
** -Y11- (INCLUDE D2 AND W1)

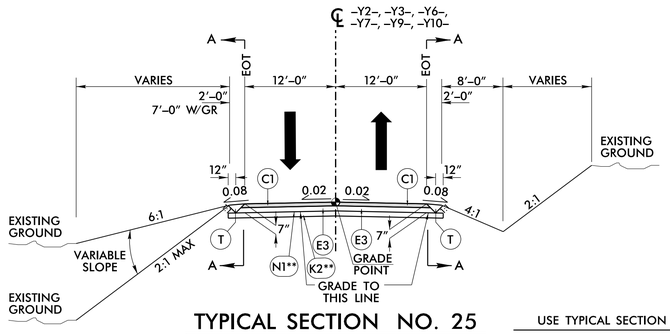
USE TYPICAL SECTION NO. 24
-Y1- STA. 10+47.47 TO STA. 13+60.00
-Y2- STA. 10+80.00 TO STA. 11+50.00
*-Y4_REV- STA. 11+75.00 TO STA. 13+70.92
-Y5- STA. 10+35.61 TO STA. 12+85.00
-Y7- STA. 10+00.00 TO STA. 11+00.00
-Y8- STA. 10+35.75 TO STA. 13+00.00
-Y11- STA. 10+32.77 TO STA. 12+05.40
*ONLY IN SELECT LOCATIONS (SEE SHEET 2A-2)



INSET FOR TYPICAL SECTION NO. 24
-Y1- STA. 11+75.69 TO 13+60.00 RT
-Y1- STA. 10+47.47 TO 11+75.69 LT

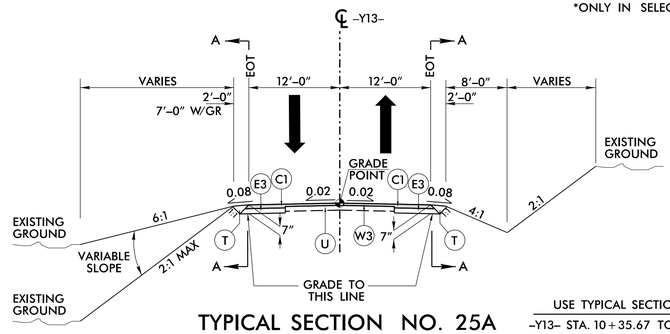


INSET FOR TYPICAL SECTION NO. 25
-Y13- STA. 10+35.67 TO STA. 11+05.55 LT
-Y13- STA. 10+35.67 TO STA. 11+89.73 RT
(-L- PAVEMENT STRUCTURE TO BE MAINTAINED THROUGH THE LIMITS OF -Y13- CURB AND GUTTER)



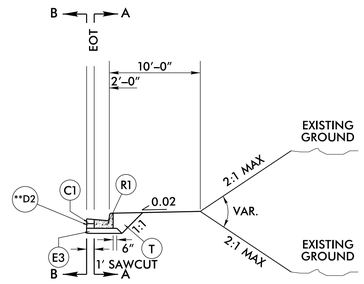
TYPICAL SECTION NO. 25
-Y2- (SR 1346)
-Y3- (SR 3255)
-Y6- (SR 1426)
-Y7- (SR 1352)
-Y9- (SR 1323)
-Y10-

USE TYPICAL SECTION NO. 25
-Y2- STA. 11+50.00 TO STA. 13+69.47
-Y3- STA. 10+00.00 TO STA. 12+76.77
-Y6- STA. 10+35.51 TO STA. 11+69.95
-Y7- STA. 11+00.00 TO STA. 13+34.03
-Y9- STA. 10+00.00 TO STA. 11+39.19
-Y10- STA. 10+35.70 TO STA. 12+00.00
**ONLY IN SELECT LOCATIONS (SEE SHEET 2A-2)



TYPICAL SECTION NO. 25A
-Y13- (SR 1448)

USE TYPICAL SECTION NO. 25A
-Y13- STA. 10+35.67 TO STA. 15+16.93



INSET FOR TYPICAL SECTION NO. 24,25,28
-Y9- STA. 10+42.69 TO STA. 11+39.19 RT
**-Y11- STA. 10+32.77 TO STA. 11+39.19 RT
**-Y11- STA. 10+32.77 TO STA. 11+35.64 LT(NARROW WIDENING)
**-Y11- STA. 10+98.95 TO STA. 11+89.73

NOTES:
1) SEE PLANS FOR TURN LANES, MONOLITHIC ISLANDS, CURB AND GUTTER, SIDEWALK AND LANE TAPER LOCATIONS.
2) DO NOT USE STABILIZATION ON PAVEMENT WIDTHS LESS THAN 6 FEET.

6/2/99

PAVEMENT SCHEDULE
(FINAL PAVEMENT DESIGN)

C1	PROP. APPROX. 3″ ACSC, TYPE S9.5B.
C2	PROP. APPROX. 3″ ACSC, TYPE S9.5C.
C3	PROP. VAR. DEPTH ACSC, TYPE S9.5B.
C4	PROP. VAR. DEPTH ACSC, TYPE S9.5C.
D1	PROP. APPROX. 2.5″ ACIC, TYPE I19.0C.
D2	PROP. APPROX. 4″ ACIC, TYPE I19.0C.
D3	PROP. VAR. DEPTH ACIC, TYPE I19.0C.
E1	PROP. APPROX. 3″ ACBC, TYPE B25.0C.
E2	PROP. APPROX. 3.5″ ACBC, TYPE B25.0C.
E3	PROP. APPROX. 4″ ACBC, TYPE B25.0C.
E4	PROP. APPROX. 4.5″ ACBC, TYPE B25.0C.
E5	PROP. APPROX. 5.5″ ACBC, TYPE B25.0C.
E6	PROP. VAR. DEPTH ACBC, TYPE B25.0C.
J1	PROP. 8″ ABC
K1	PROP. 8″ LIME STABILIZATION. OR PROP. 7″ CEMENT STABILIZATION.
K2	PROP 8″ CLASS IV SUBGRADE STABILIZATION.
N1	GEOTEXTILE FOR SUBGRADE STABILIZATION.
R1	2′-6″ CONCRETE CURB AND GUTTER.
R2	1′-6″ CONCRETE CURB AND GUTTER (STD MOUNTABLE).
R3	SHOULDER BERM GUTTER.
R4	CONCRETE EXPRESSWAY GUTTER.
R5	5″ MONOLITHIC CONCRETE ISLAND (KEYED IN).
R6	5″ MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED).
R7	2′-9″ CONCRETE CURB AND GUTTER
S1	4″ CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
W1	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 1 ON SHEET 2A-2).
W2	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 2 ON SHEET 2A-2).
W3	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 3 ON SHEET 2A-2).
W4	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 4 ON SHEET 2A-2).

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

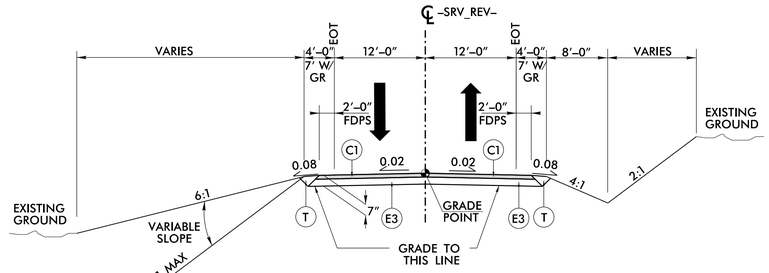
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
U-5813	2A-9

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 37950 ENGINEER JASON M. PICKENS
DocuSigned by: Jason M. Pickens
7/10/2024

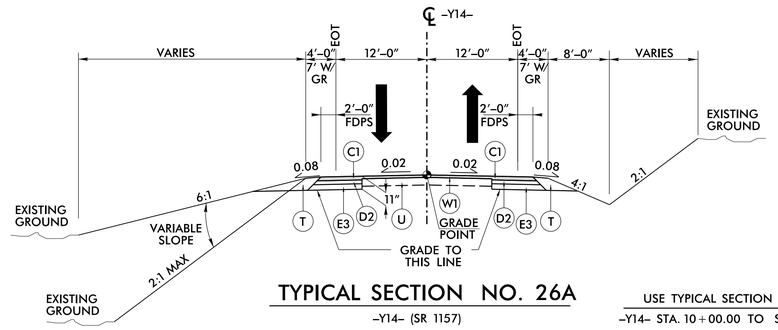
PAVEMENT DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 048599 ENGINEER ANDREW D. MIESO
DocuSigned by: Andrew D. Mieso
7/10/2024

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



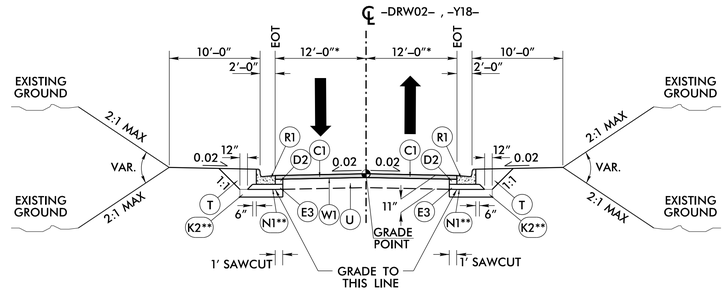
TYPICAL SECTION NO. 26
–SRV_REV– (SERVICE ROAD)

USE TYPICAL SECTION NO. 26
–SRV_REV– STA. 10+32.42 TO STA. 26+25.00



TYPICAL SECTION NO. 26A
–Y14– (SR 1157)

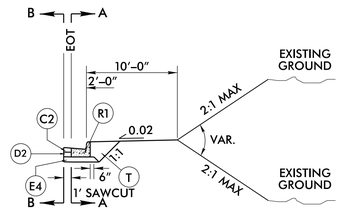
USE TYPICAL SECTION NO. 26A
–Y14– STA. 10+00.00 TO STA. 11+53.24



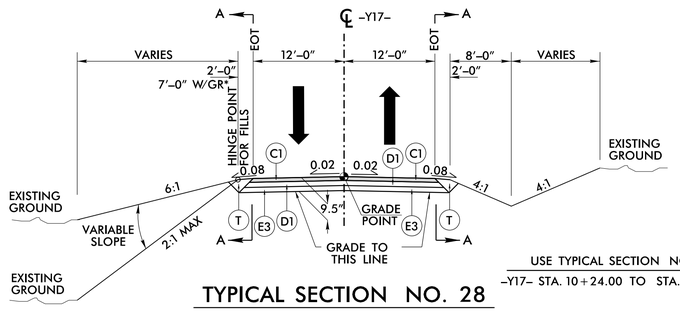
TYPICAL SECTION NO. 27
–DRW02–
–Y18– (SR 1443)

USE TYPICAL SECTION NO. 27
–DRW02– STA. 10+18.68 TO STA. 11+00.00
–Y18– STA. 10+36.00 TO STA. 12+00.31
**ONLY IN SELECT LOCATIONS (SEE SHEET 2A-2)

* NOTE: –DRW02– HAS 15′–0″ LANES INSTEAD OF 12′–0″ LANES

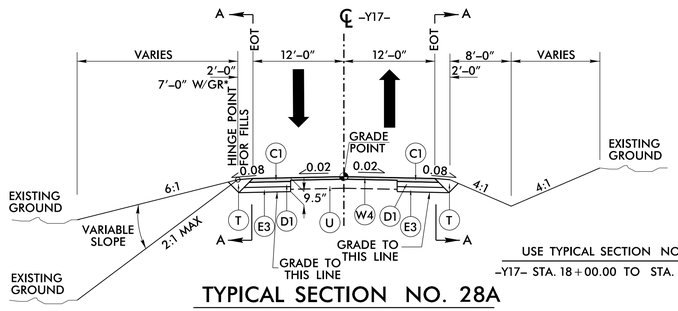


INSET FOR TYPICAL SECTION NO. 28
–Y17– STA. 10+24.00 TO STA. 10+88.37 LT
–Y17– STA. 10+24.00 TO STA. 11+01.67 RT
(–Y– PAVEMENT STRUCTURE TO BE MAINTAINED THROUGH THE LIMITS OF –Y17– CURB AND GUTTER)



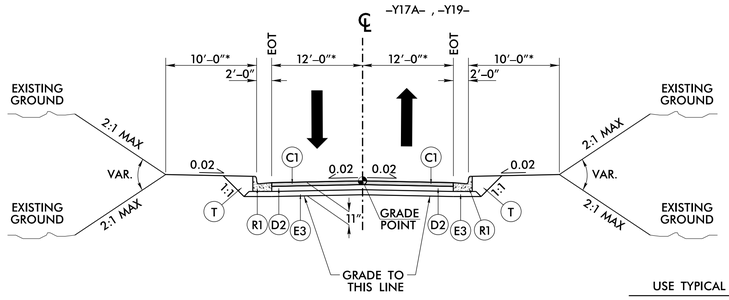
TYPICAL SECTION NO. 28
–Y17– (SR 1446)

USE TYPICAL SECTION NO. 28
–Y17– STA. 10+24.00 TO STA. 18+00.00



TYPICAL SECTION NO. 28A
–Y17– (SR 1446)

USE TYPICAL SECTION NO. 28A
–Y17– STA. 18+00.00 TO STA. 20+65.00



TYPICAL SECTION NO. 29
–Y17A– (SR 1446)
*–Y19– (SR 1450)

USE TYPICAL SECTION NO. 29
–Y17A– STA. 11+81.86 TO STA. 15+11.52
–Y19– STA. 10+00.00 TO STA. 13+28.97

* NOTE: –Y19– HAS 15′–0″ LANES INSTEAD OF 12′–0″ LANES AND 4′–0″ BERM INSTEAD OF 10′–0″ BERM

NOTES:
1) SEE PLANS FOR TURN LANES, MONOLITHIC ISLANDS, CURB AND GUTTER, SIDEWALK AND LANE TAPER LOCATIONS.
2) DO NOT USE STABILIZATION ON PAVEMENT WIDTHS LESS THAN 6 FEET.
3) REMOVE THE ACCELERATION AND DECELERATION LANES FOR Y19.

6/2/99

PAVEMENT SCHEDULE

(FINAL PAVEMENT DESIGN)

C1	PROP. APPROX. 3" ACSC, TYPE S9.5B.
C2	PROP. APPROX. 3" ACSC, TYPE S9.5C.
C3	PROP. VAR. DEPTH ACSC, TYPE S9.5B.
C4	PROP. VAR. DEPTH ACSC, TYPE S9.5C.
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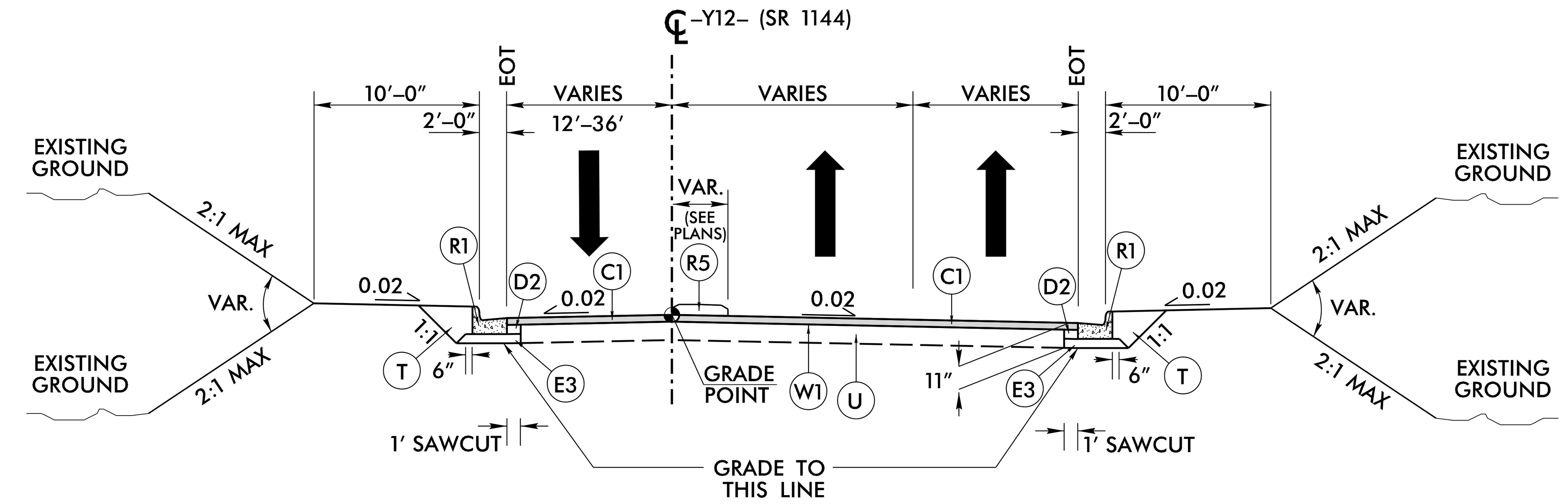
D2	PROP. APPROX. 4" ACIC, TYPE I19.0C.
D3	PROP. VAR. DEPTH ACIC, TYPE I19.0C.
E1	PROP. APPROX. 3" ACBC, TYPE B25.0C.
E2	PROP. APPROX. 3.5" ACBC, TYPE B25.0C.
E3	PROP. APPROX. 4" ACBC, TYPE B25.0C.
E4	PROP. APPROX. 4.5" ACBC, TYPE B25.0C.
E5	PROP. APPROX. 5.5" ACBC, TYPE B25.0C.
E6	PROP. VAR. DEPTH ACBC, TYPE B25.0C.
J1	PROP. 8" ABC
K1	PROP. 8" LIME STABILIZATION. OR PROP. 7" CEMENT STABILIZATION.
K2	PROP 8" CLASS IV SUBGRADE STABILIZATION.
N1	GEOTEXTILE FOR SUBGRADE STABILIZATION.
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	1'-6" CONCRETE CURB AND GUTTER (STD MOUNTABLE).
R3	SHOULDER BERM GUTTER.
R4	CONCRETE EXPRESSWAY GUTTER.
R5	5" MONOLITHIC CONCRETE ISLAND (KEYED IN).
R6	5" MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED).
R7	2'-9" CONCRETE CURB AND GUTTER
S1	4" CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
W1	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 1 ON SHEET 2A-2).
W2	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 2 ON SHEET 2A-2).
W3	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 3 ON SHEET 2A-2).
W4	VARIABLE DEPTH ASPHALT PAVEMENT (SEE DETAIL SHOWING METHOD OF WEDGING No. 4 ON SHEET 2A-2).

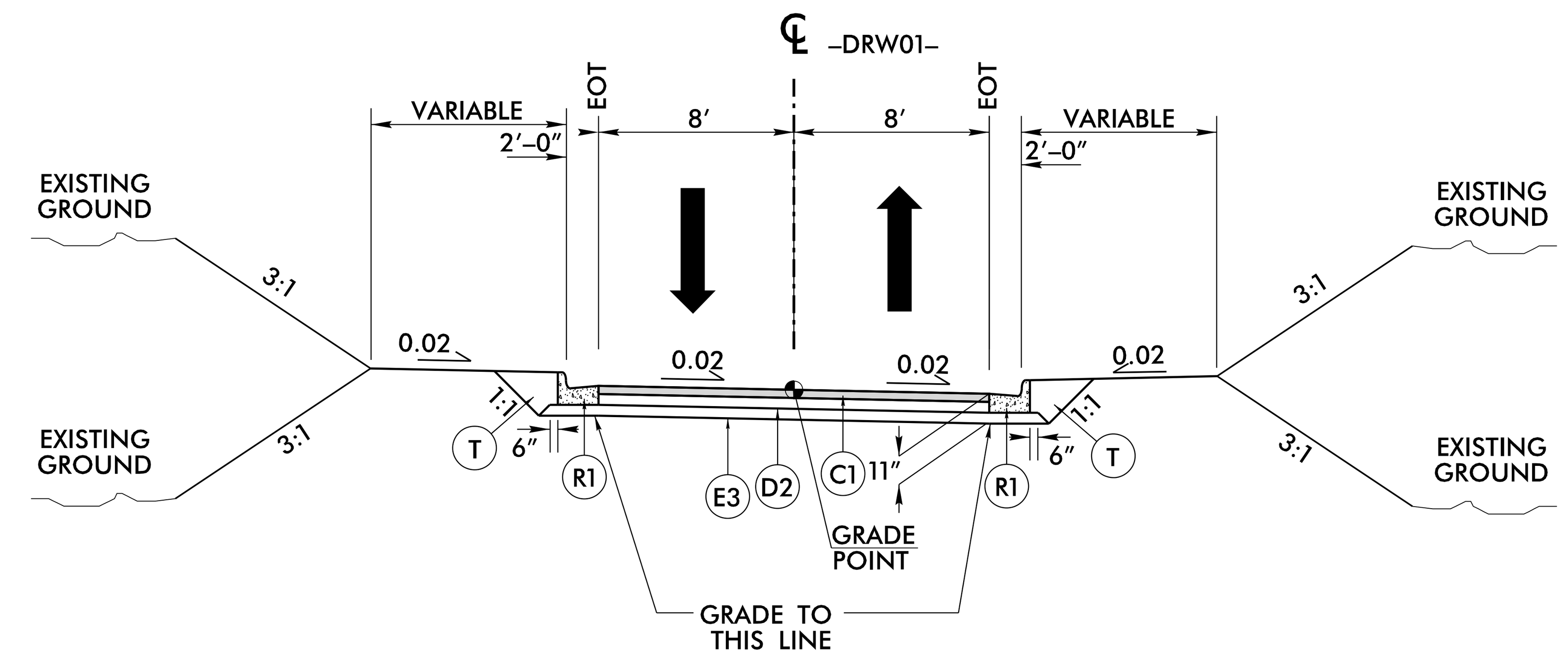
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



TYPICAL SECTION NO. 30

-Y12- (SR 1144)

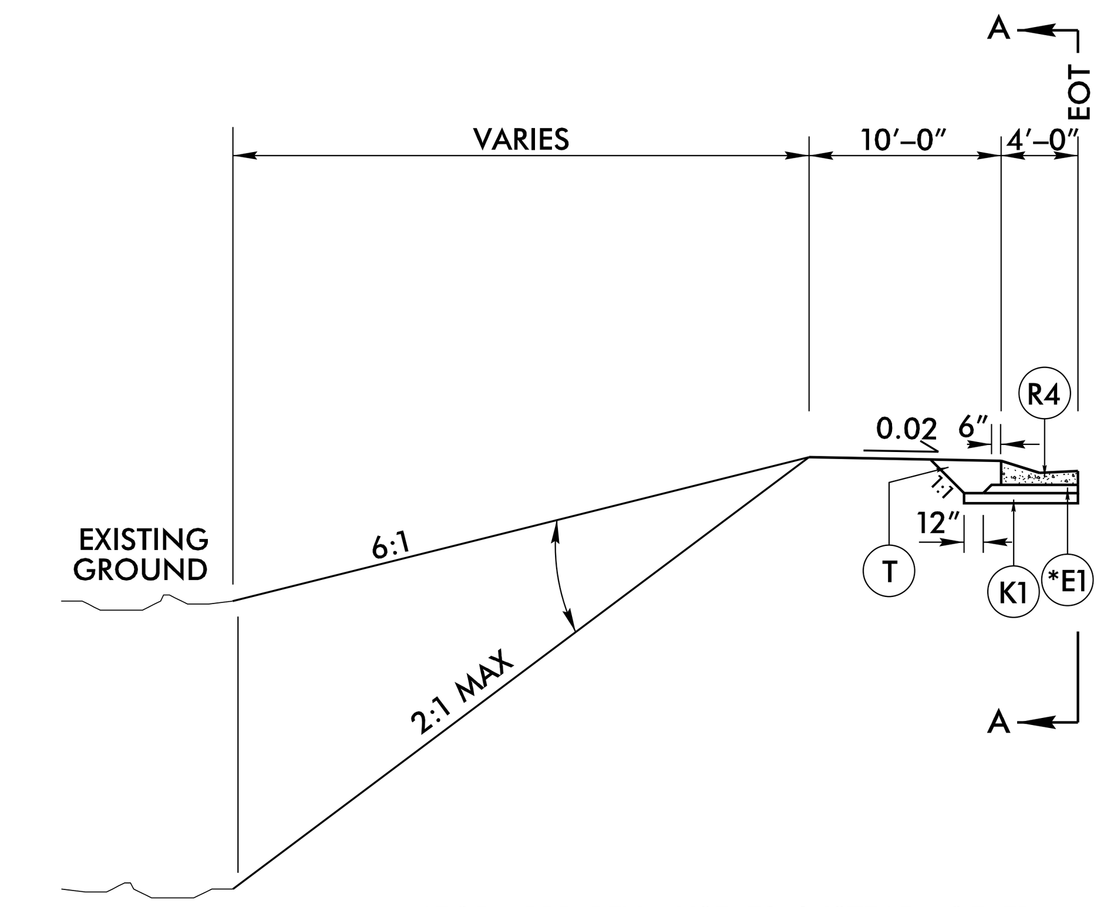
USE TYPICAL SECTION NO. 30
-Y12- STA. 18+80.00 TO STA. 20+12.27



TYPICAL SECTION NO. 31

-DRW01- (DRIVEWAY)

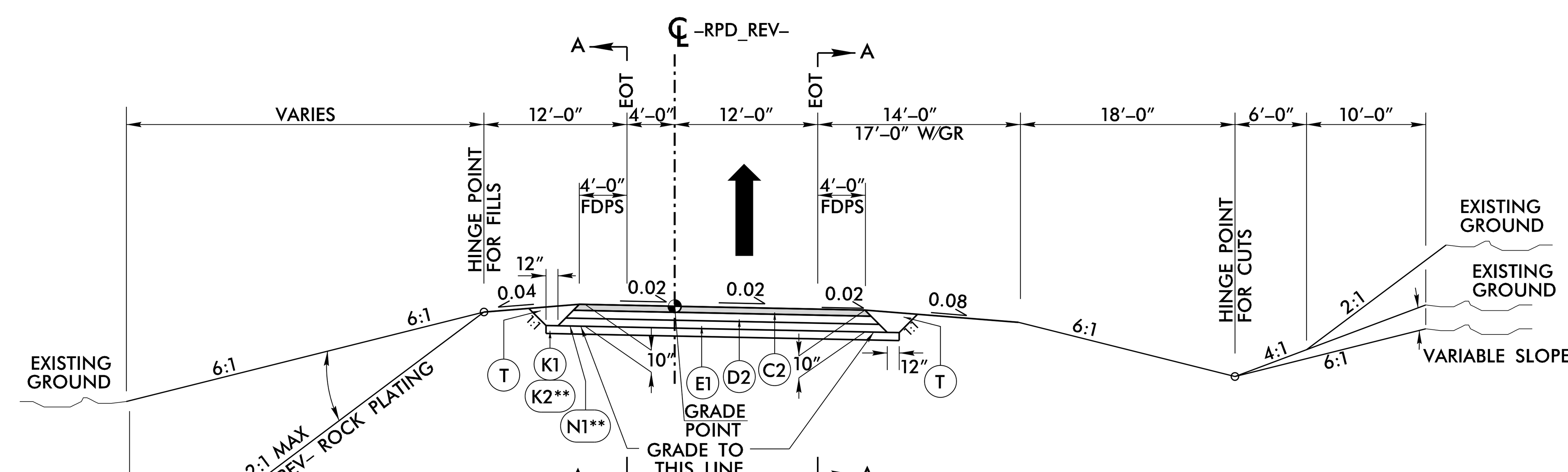
USE TYPICAL SECTION NO. 31
-DRW01- STA. 10+12.19 TO STA. 10+80.00



*FOR -RPB_REV-, USE E2 INSTEAD OF E1

INSET FOR TYPICAL SECTION NO. 32B, 35

-RPB_REV- STA. 14+88.00 TO STA. 16+13.00 LT/RT
-LPA- STA. 10+00.00 TO STA. 12+33.45 RT
-LPC- STA. 10+05.00 TO STA. 11+58.01 RT

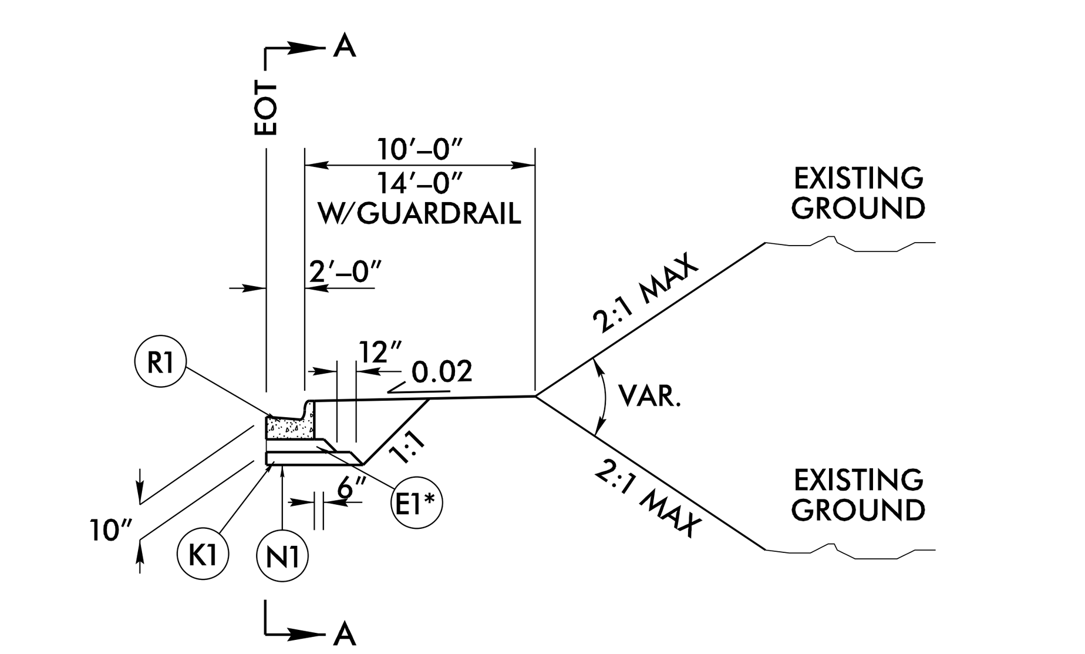


TYPICAL SECTION NO. 32

-RPD_REV-

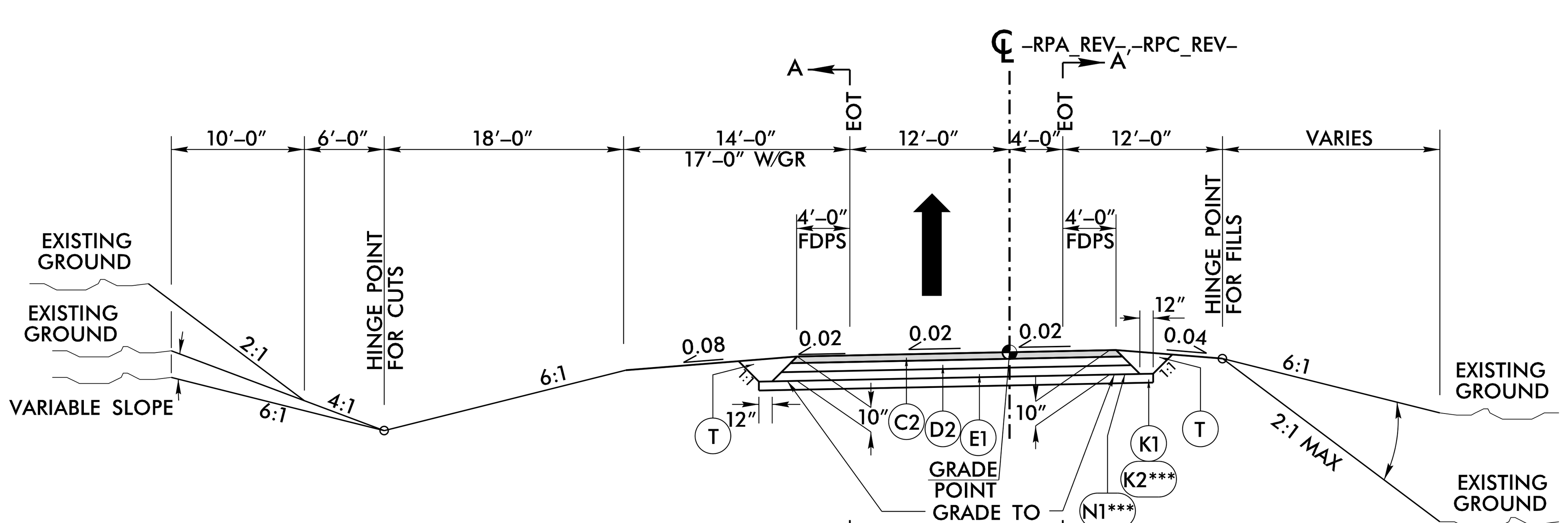
USE TYPICAL SECTION NO. 32
-RPD_REV- STA. 12+00.00 TO STA. 21+05.48

* -RPD_REV- STA. 18+50.00 TO STA. 20+00.00
**ONLY IN SELECT LOCATIONS (SEE SHEET 2A-2)



INSET FOR TYPICAL SECTIONS NO. 32, 32A, 32B

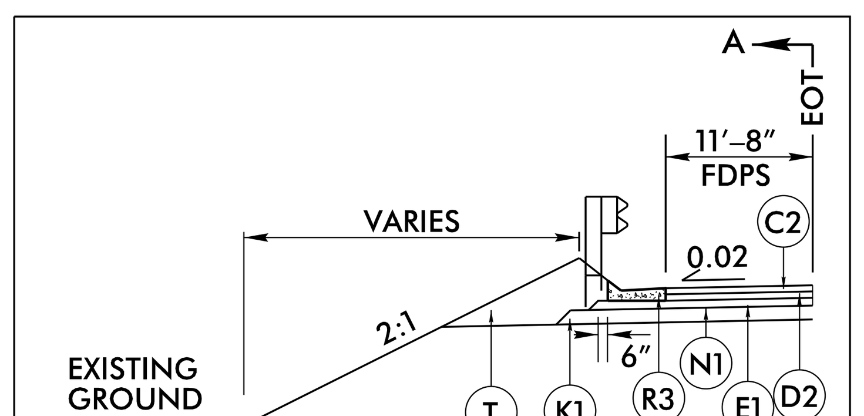
-RPA_REV- STA. 17+75.82 TO STA. 18+81.19 LT/RT
-RPB_REV- STA. 19+75.00 TO STA. 20+61.31 LT/RT
-RPC_REV- STA. 22+86.66 TO STA. 23+48.48 RT
-RPC_REV- STA. 23+24.36 TO STA. 23+48.48 RT
-RPD_REV- STA. 19+98.93 TO STA. 21+05.48 RT
-RPD_REV- STA. 20+05.48 TO STA. 21+05.48 LT



TYPICAL SECTION NO. 32A

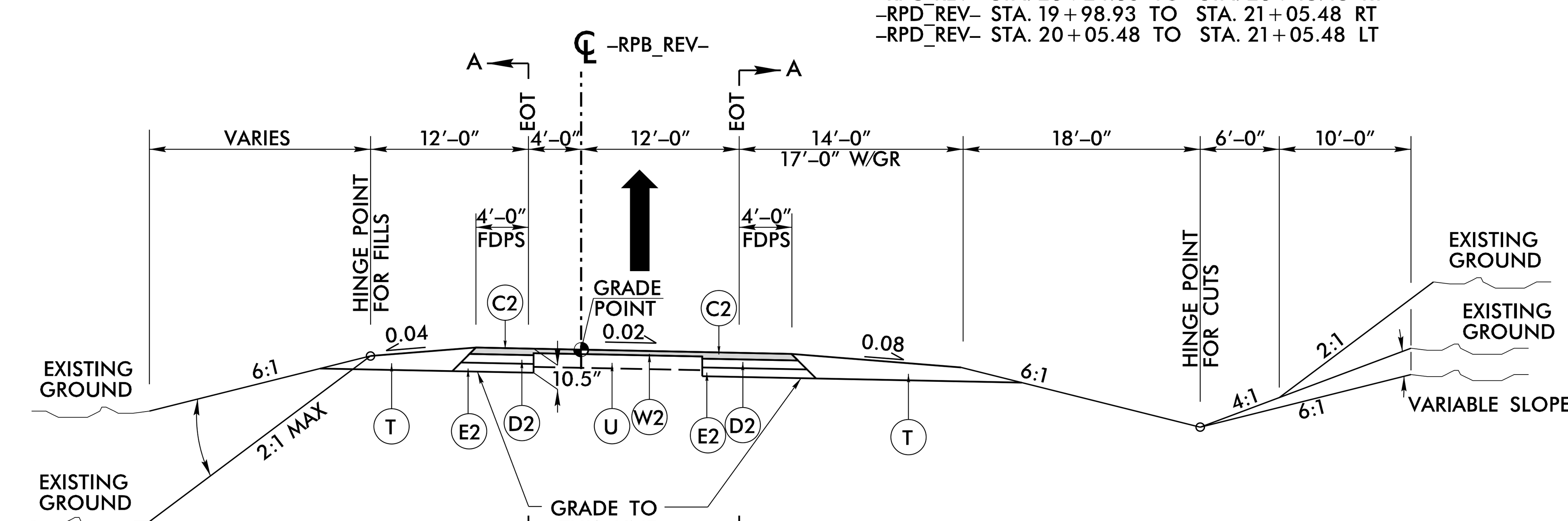
-RPA_REV-
-RPC_REV-

USE TYPICAL SECTION NO. 32A
-RPA_REV- STA. 12+35.00 TO STA. 18+81.19
-RPC_REV- STA. 14+00.60 TO STA. 23+48.48
***ONLY IN SELECT LOCATIONS (SEE SHEET 2A-2)



INSET FOR TYPICAL SECTION NO. 32A

-RPA_REV- STA. 13+06.25 TO 16+05.00 LT



TYPICAL SECTION NO. 32B

-RPB_REV-

USE TYPICAL SECTION NO. 32B
-RPB_REV- STA. 14+88.00 TO STA. 20+61.31

HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
U-5813	2A-10
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NOTES:

1) SEE PLANS FOR TURN LANES, MONOLITHIC ISLANDS, CURB AND GUTTER, SIDEWALK AND LANE TAPER LOCATIONS.

2) DO NOT USE STABILIZATION ON PAVEMENT WIDTHS LESS THAN 6 FEET.

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HNTB