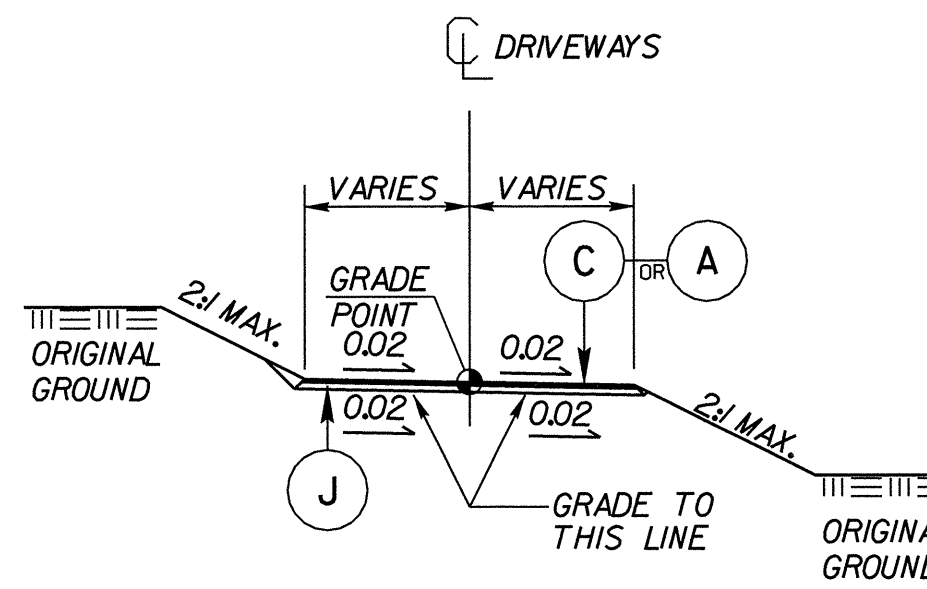
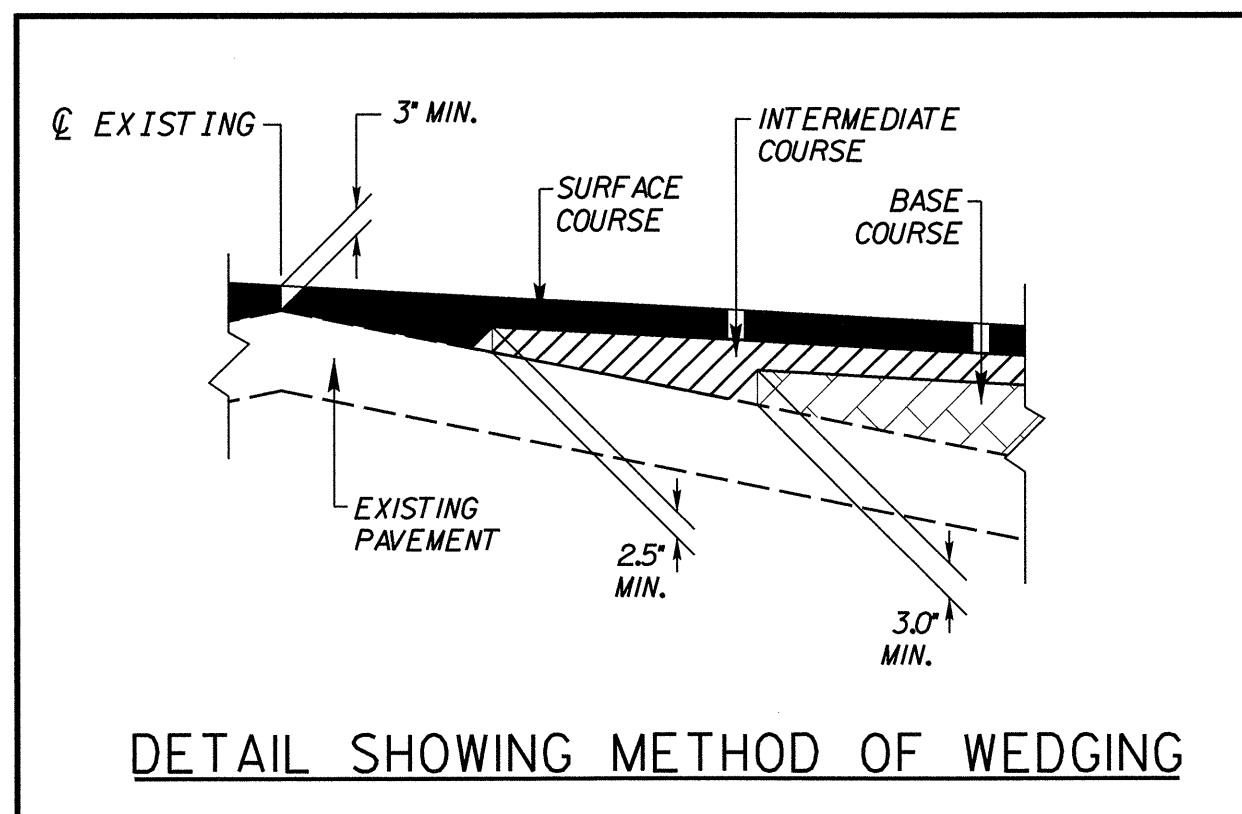


PAVEMENT SCHEDULE

C1	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS PER SQUARE YARD IN TWO LAYERS.
C2	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS PER SQUARE YARD IN TWO LAYERS.
C3	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5A, AT AN AVERAGE RATE OF 165 LBS PER SQUARE YARD IN TWO LAYERS.
C4	PROP. VARIABLE DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5A, AT AN AVERAGE RATE OF 110 LBS PER SQUARE YARD PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 1.0" OR GREATER THAN 1.5" IN DEPTH.
C5	PROP. VARIABLE DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 112 LBS PER SQUARE YARD PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 1.5" OR GREATER THAN 2.0" IN DEPTH.
C6	PROP. VARIABLE DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS PER SQUARE YARD PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 1.5" OR GREATER THAN 2.0" IN DEPTH.
C7	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5A, AT AN AVERAGE RATE OF 110 LBS PER SQUARE YARD IN TWO LAYERS.
D1	PROP. APPROX. 4.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS PER SQUARE YARD IN ONE LAYER.
D2	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQUARE YARD IN ONE LAYER.
D3	PROP. APPROX. 4.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 456 LBS PER SQUARE YARD IN ONE LAYER.
D4	PROP. VARIABLE DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 114 LBS PER SQUARE YARD PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2.5" OR GREATER THAN 4.0" IN DEPTH.
D5	PROP. VARIABLE DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS PER SQUARE YARD PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2.5" OR GREATER THAN 4.0" IN DEPTH.
D6	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS PER SQUARE YARD IN ONE LAYER.
E1	PROP. APPROX. 6.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 370.5 LBS PER SQUARE YARD IN TWO LAYERS.
E2	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS PER SQUARE YARD IN ONE LAYER.
E3	PROP. APPROX. 5.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS PER SQUARE YARD IN ONE LAYER.
E4	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS PER SQUARE YARD IN ONE LAYER.
E5	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS PER SQUARE YARD IN ONE LAYER.
E6	PROP. VARIABLE DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 114 LBS PER SQUARE YARD PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 3.0" OR GREATER THAN 5.5" IN DEPTH.
E7	PROP. VARIABLE DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS PER SQUARE YARD PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 3.0" OR GREATER THAN 5.5" IN DEPTH.
J1	8" AGGREGATE BASE COURSE
J2	6" AGGREGATE BASE COURSE
K	BASE TO BE TREATED WITH LIME (SLURRY METHOD) TO A DEPTH OF 8", AT A RATE OF 20 LBS. PER SQUARE YARD AS DIRECTED BY THE ENGINEER (60% OF THE PROJECT) OR BASE TO BE TREATED WITH CEMENT TO A DEPTH OF 7", AT A RATE OF 55 LBS. PER SQUARE YARD AS DIRECTED BY THE ENGINEER (40% OF THE PROJECT)
P	PRIME COAT
R1	30" CONCRETE CURB AND GUTTER
R2	18" CONCRETE CURB AND GUTTER
R3	24" CURB & GUTTER
S	CONCRETE SIDEWALK
T	EARTH MATERIAL
T1	4" TOPSOIL W/COMMON BERMUDA GRASS
U	EXISTING PAVEMENT
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE STANDARD WEDGING DETAIL THIS SHEET)

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



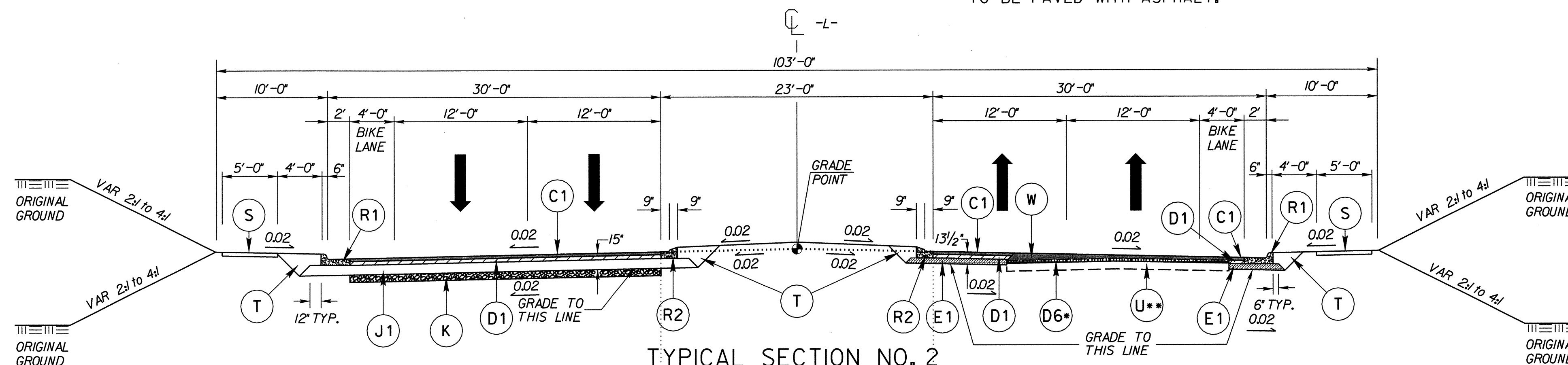
TYPICAL SECTION NO. 1

USE TYPICAL SECTION NO. 1 FOR DRIVEWAYS

EX. DRIVEWAY TYPE	PROPOSED DRIVEWAY DESIGN			PAVEMENT DEPTH
	C	J	A	
GRAVEL *	-	J2	-	6"
ASPHALT	C7	J2	-	8"
CONCRETE	-	-	A	6"

DRIVEWAY PAVEMENT TYPE TO BE REPLACED IN LIKE MATERIAL AS DIRECTED BY THE ENGINEER.

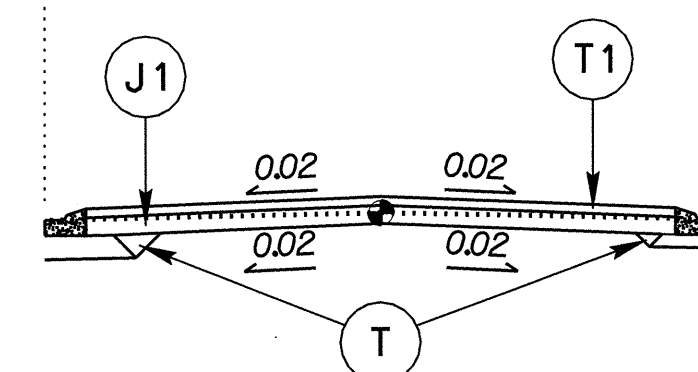
* GRAVEL DRIVEWAYS WITH >7% GRADES ARE TO BE PAVED WITH ASPHALT.



TYPICAL SECTION NO. 2

USE TYPICAL SECTION NO. 2A IN CONJUNCTION WITH TYPICAL SECTION NO. 2

- L- STA. 58+00.00 TO STA. 59+25.00
- L- STA. 64+35.00 TO STA. 65+50.00
- L- STA. 67+90.00 TO STA. 69+00.00
- L- STA. 157+40.00 TO STA. 158+50.00
- L- STA. 173+15.00 TO STA. 174+30.00
- L- STA. 175+05.00 TO STA. 176+10.00
- L- STA. 190+95.00 TO STA. 191+96.00



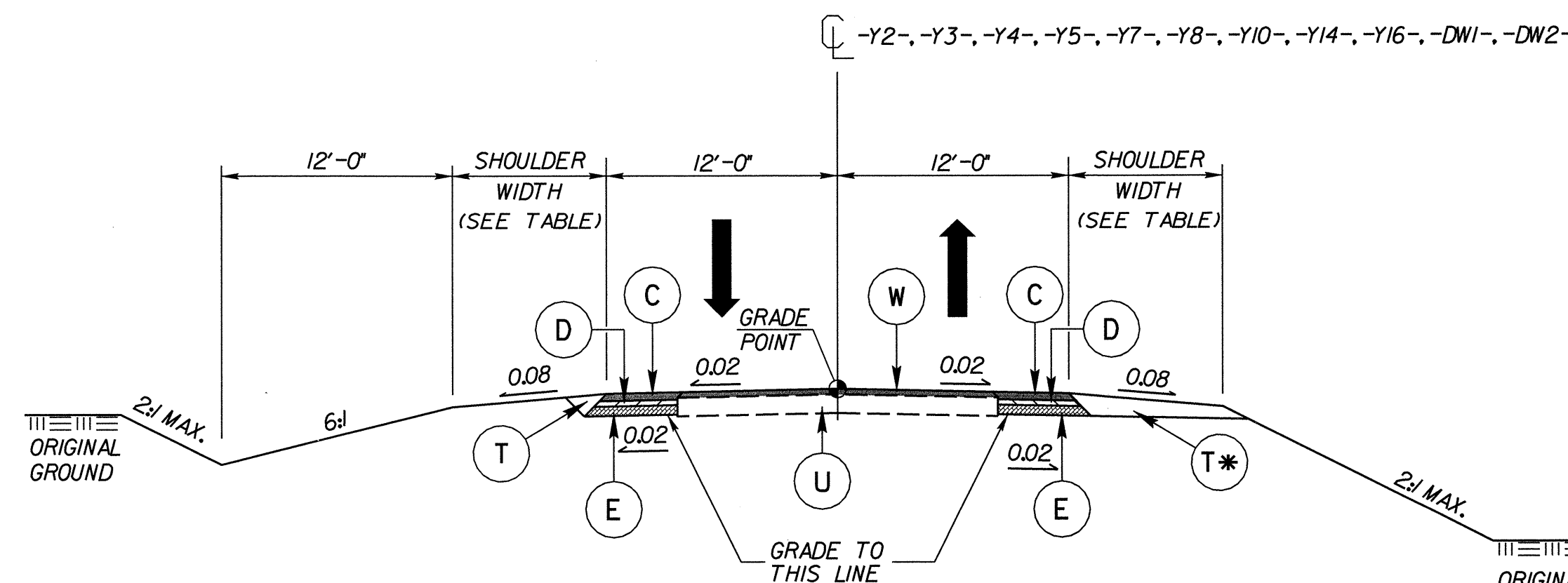
TYPICAL SECTION NO. 2A

USE TYPICAL SECTION NO. 2

-L- STA. 26+41.59 TO STA. 229+50.00

* MILL 2.5" FROM -L- STA. 26+41.59 TO STA. 229+50.00 AS DIRECTED BY THE ENGINEER, EXCLUDING EXISTING LEFT WIDENING FROM STA. 222+00.00 TO 226+00.00

** APPROX. 900 SY OF FULL-DEPTH ASPHALT REMOVAL IN VARIOUS LOCATIONS TO BE REPLACED WITH B25.0C TO EXISTING GRADE AS DIRECTED BY THE ENGINEER (E7)



TYPICAL SECTION NO. 3

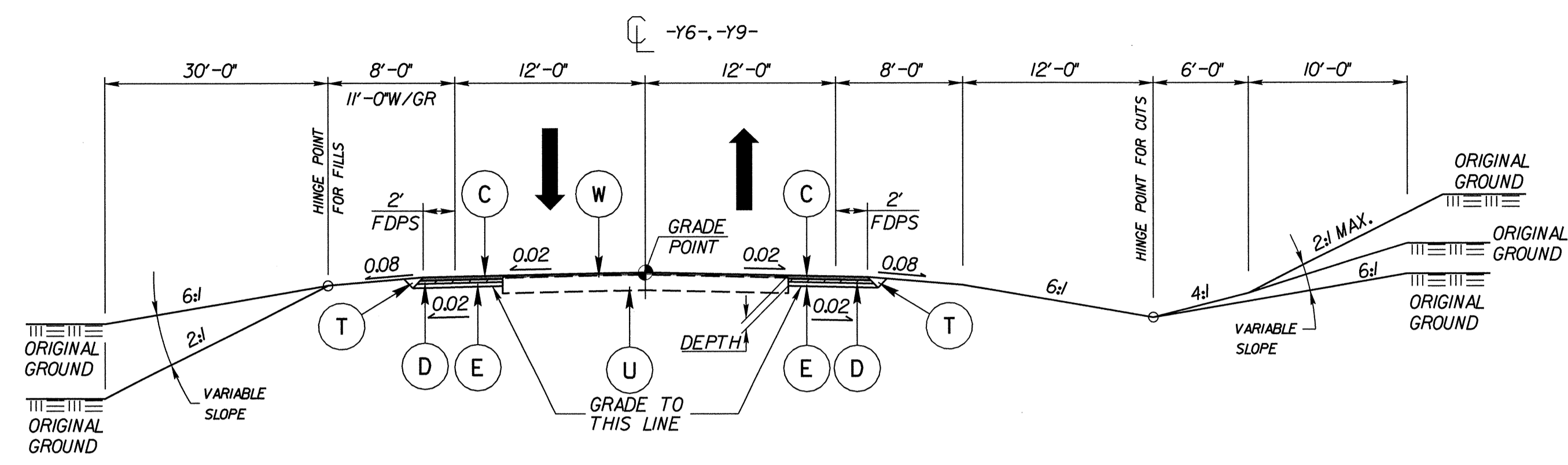
USE TYPICAL SECTION NO. 3

- Y2- STA. 13+72.17 TO STA. 15+57.37
- Y3- STA. 10+00.00 TO STA. 14+14.45
- Y4- STA. 13+50.00 TO STA. 14+80.07
- Y5- STA. 11+25.00 TO STA. 12+13.28
- Y7- STA. 12+00.00 TO STA. 17+80.88
- Y8- STA. 10+00.00 TO STA. 14+02.90
- Y10- STA. 10+39.50 TO STA. 12+15.00
- Y14- STA. 10+40.22 TO STA. 13+00.00
- Y16- STA. 10+90.00 TO STA. 14+95.45
- DW1- STA. 11+50.00 TO STA. 12+80.26
- DW2- STA. 11+00.00 TO STA. 12+26.32

ROADWAY	C	D	E	PAVEMENT DEPTH	SHOULDER WIDTH
-Y2-, -Y8-, -Y14-, -DW1-, -DW2-	C3	-	E2	7"	8' (11" W/GR)
-Y3-, -Y7-	C3	-	E4	8 1/2"	8' (11" W/GR)
-Y16-	C3	-	E3	8"	6' (9" W/GR)
-Y4-, -Y5-, -Y10-	C1	D1	E1	13 1/2"	8' (11" W/GR)

* FOR PAVEMENT DEPTH > 10" USE GRADED SECTION

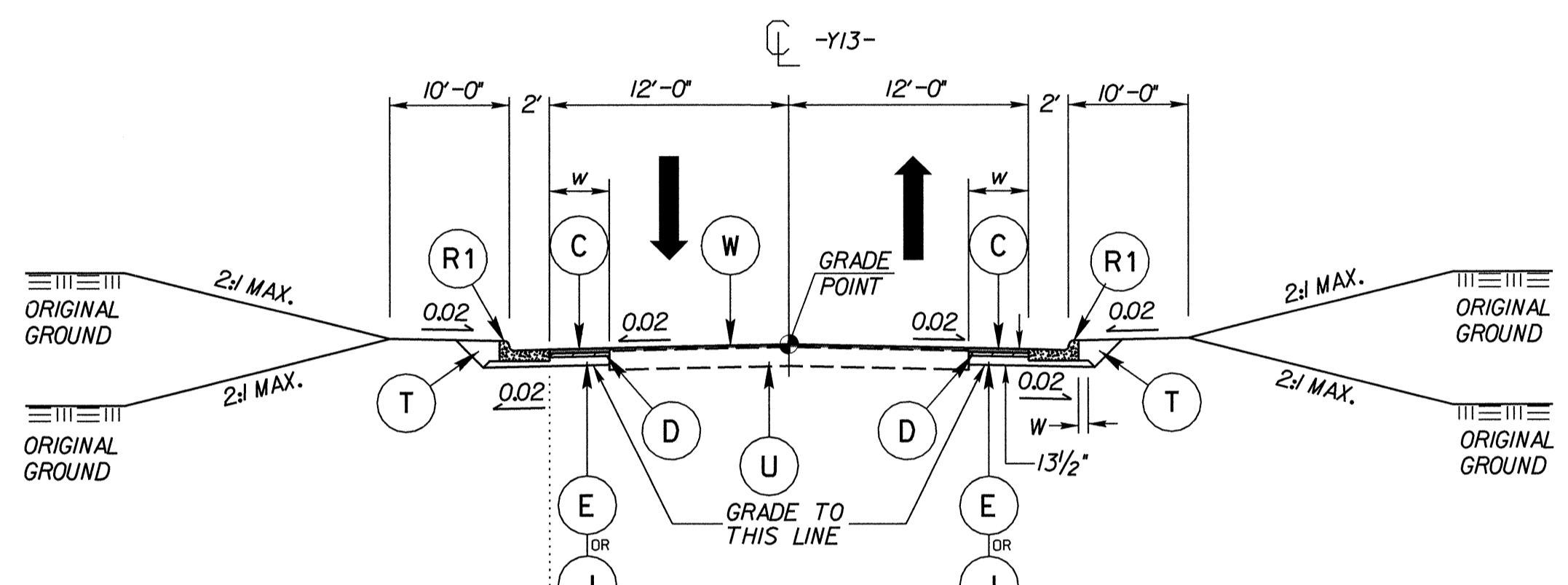
PROJECT REFERENCE NO. R-3833A	SHEET NO. 2
ROADWAY DESIGN ENGINEER DAVID BURKE EVANS NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19724 8/12/08	PAVEMENT DESIGN ENGINEER DONG-CHI CHEN NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 13068 8/12/08
MA Engineering CONSULTANTS, INC. 598 East Chatham Street Suite 137 Cary, NC 27511 Phone: 919.297.0220 Fax: 919.297.0221	



TYPICAL SECTION NO. 4

USE TYPICAL SECTION NO. 4
 -Y6- STA. 10+40.37 TO STA. 14+95.00
 -Y9- STA. 10+41.35 TO STA. 13+85.00
 -Y9- STA. 13+85.00 TO STA. 15+00.00 (RESURFACE ONLY)

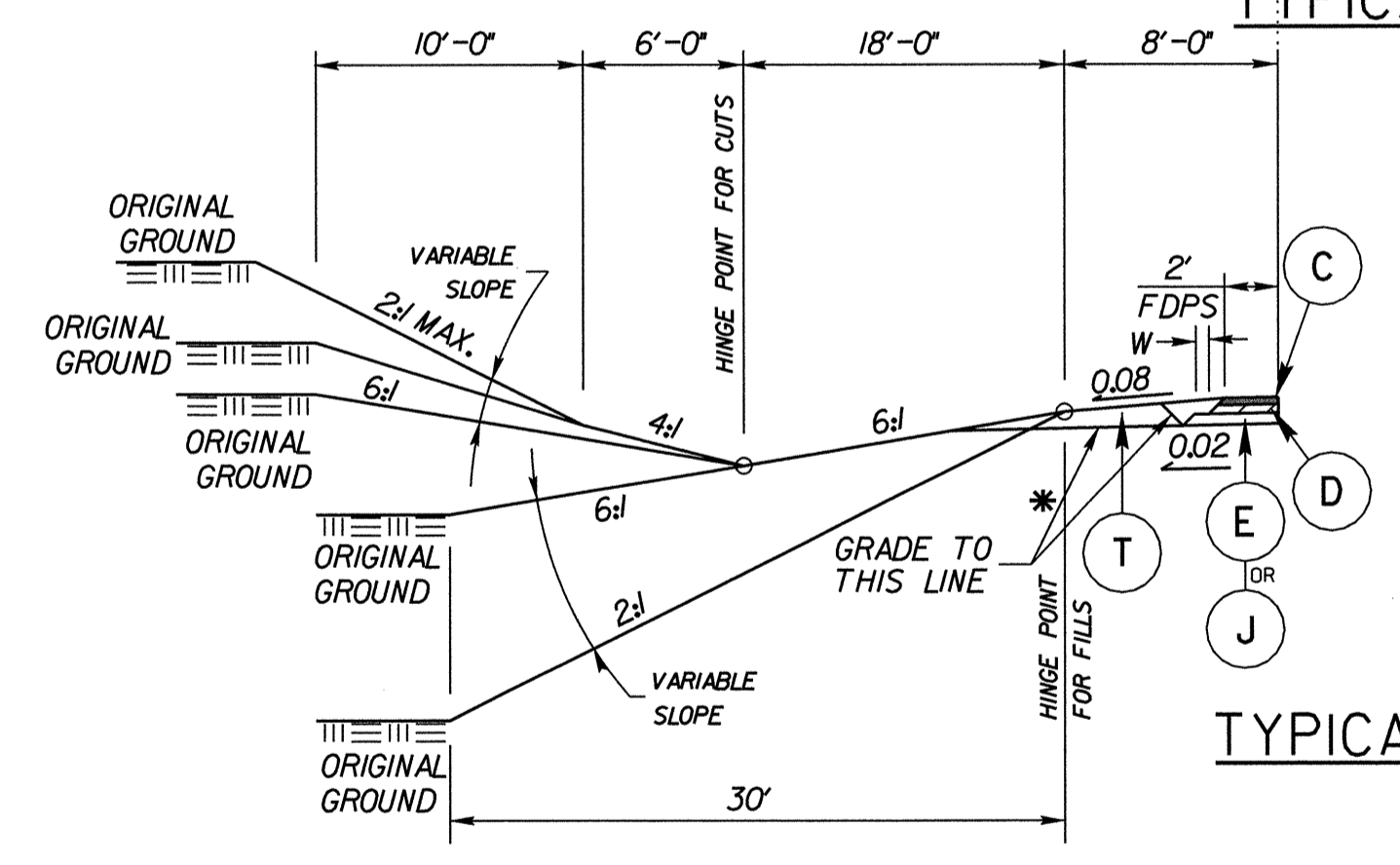
ROADWAY	C	D	E	PAVEMENT DEPTH
-Y6-	C3	-	E4	8 1/2'
-Y9-	C2	D2	E2	9 1/2'



TYPICAL SECTION NO. 5

USE TYPICAL SECTION NO. 5
 -Y13- STA. 25+15.89 TO STA. 32+00.00

ROADWAY	C	D	E	J	W	PAVEMENT DEPTH	WIDTH
-Y13-	C2	D2	-	J1	12"	13 1/2'	w > 6'
-Y13-	C2	D2	E2	-	-	9 1/2'	w < 6'



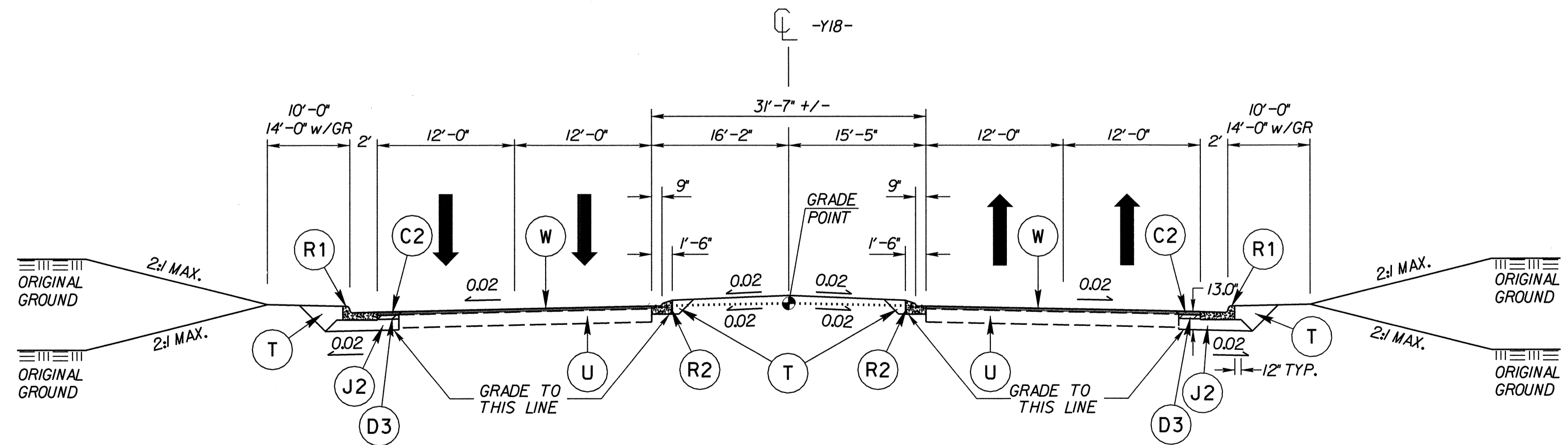
TYPICAL SECTION NO. 5A

USE TYPICAL SECTION NO. 5A IN CONJUNCTION WITH TYPICAL SECTION NO. 5
 -Y13- STA. 12+25.00 TO STA. 23+98.79
 -Y13- STA. 32+00.00 TO STA. 34+00.00

ROADWAY	C	D	E	J	W	PAVEMENT DEPTH	LOCATION
-Y13-	C2	D2	-	J1	12"	13 1/2'	w > 6'
-Y13-	C2	D2	E2	-	-	9 1/2'	w < 6'

* FOR PAVEMENT DEPTH > 10" USE GRADED SECTION

MILL 1 1/2" FROM -Y13- STA. 12+30.00 TO STA. 13+00.00 +/- RT. AS DIRECTED BY THE ENGINEER. REPLACE WITH 1 1/2" S9.5B



TYPICAL SECTION NO. 6

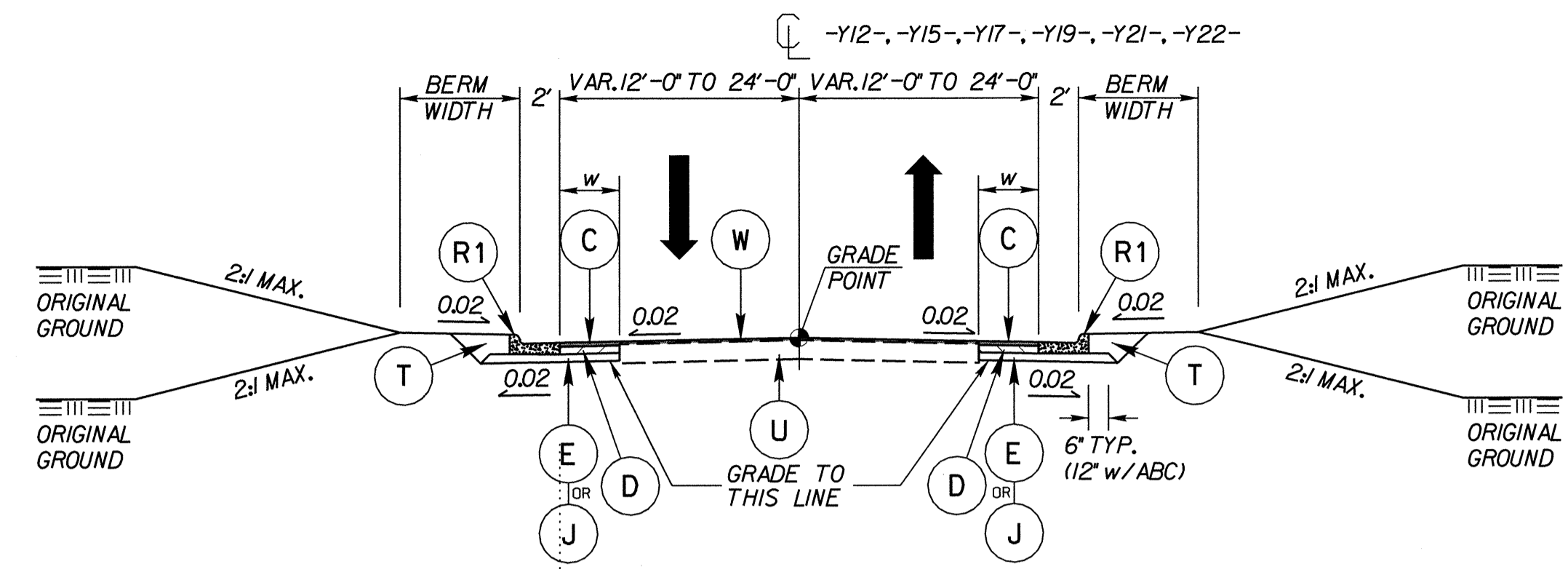
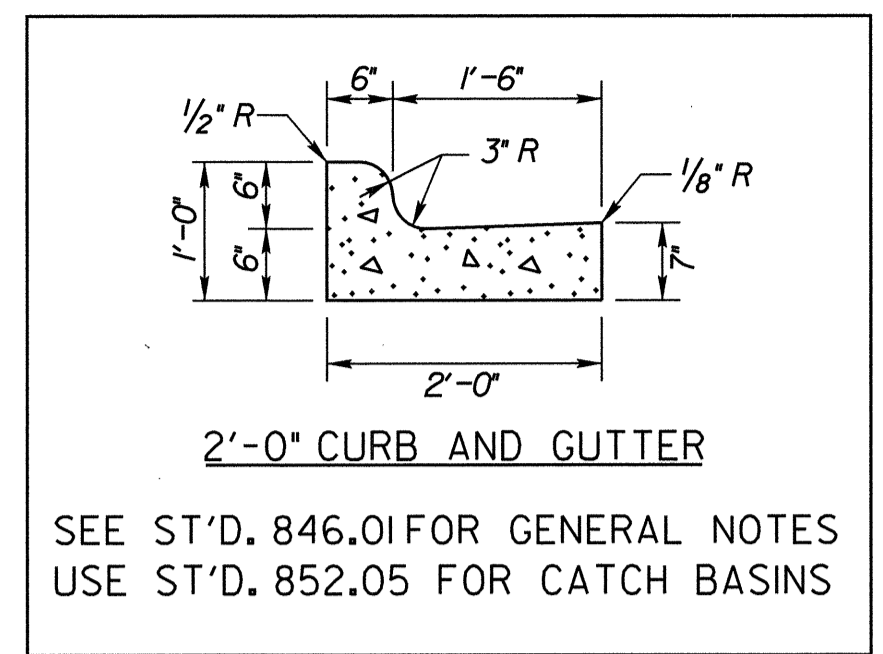
USE TYPICAL SECTION NO. 6
 -Y18- STA. 9+85.00 TO STA. 12+00.00 (WIDENING ONLY)
 -Y18- STA. 12+00.00 TO STA. 14+51.24

MILL 1 1/2" FROM -Y18- STA. 9+85.00 TO STA. 10+00.00 +/- RT. AS DIRECTED BY THE ENGINEER. REPLACE WITH 1 1/2" S9.5B

MILL 1 1/2" FROM -Y18- STA. 12+00.00 TO STA. 12+25.00 +/- LT. AS DIRECTED BY THE ENGINEER. REPLACE WITH 1 1/2" S9.5B

PAVEMENT SCHEDULE	
C1	3.0" S9.5C
C2	3.0" S9.5B
C3	3.0" SF9.5A
C4	VAR. SF9.5A
C5	VAR. S9.5B
C6	VAR. S9.5C
C7	2.0" SF9.5A
D1	4.0" I19.0C
D2	2.5" I19.0B
D3	4.0" I19.0B
D4	VAR. I19.0B
D5	VAR. I19.0C
D6	2.5" I19.0C
E1	6.5" B25.0C
E2	4.0" B25.0B
E3	5.0" B25.0B
E4	5.5" B25.0B
E5	5.5" B25.0C
E6	VAR. B25.0B
E7	VAR. B25.0C
J1	8" AGGREGATE BASE COURSE
J2	6" AGGREGATE BASE COURSE
P	PRIME COAT
R1	30" CURB AND GUTTER
R2	18" CURB AND GUTTER
R3	24" CURB & GUTTER
T	EARTH MATERIAL
U	EXISTING PAVEMENT
W	WEDGING (SEE DETAIL, SHEET 2)

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



USE TYPICAL SECTION NO. 7
 -Y12- STA. 11+65.00 TO STA. 12+68.67
 MILL 1/2" FROM -Y12- STA. 11+65.00 TO STA. 11+75.00 +/- AS DIRECTED BY THE ENGINEER
 REPLACE WITH 1.5" S9.5C

-Y15- STA. 12+00.00 TO STA. 14+26.91
 -Y17- STA. 10+46.67 TO STA. 13+75.00
 -Y19- STA. 11+42.81 TO STA. 25+23.70
 -Y19- STA. 26+26.45 TO STA. 46+50.00
 -Y21- STA. 10+12.00 TO STA. 10+98.00

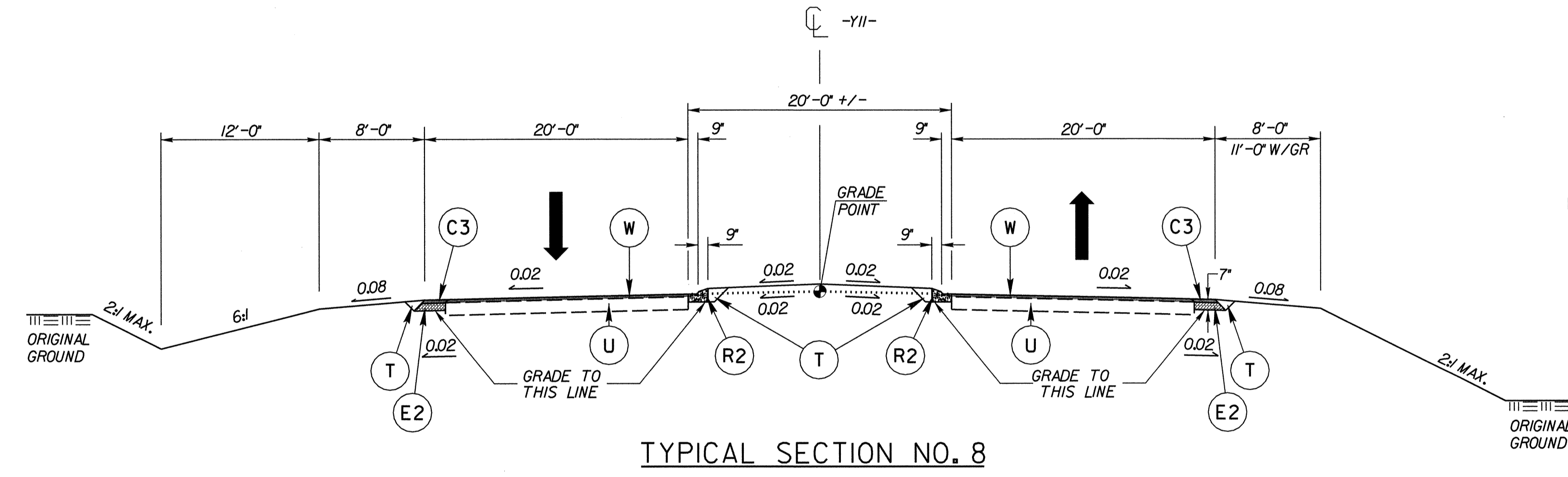
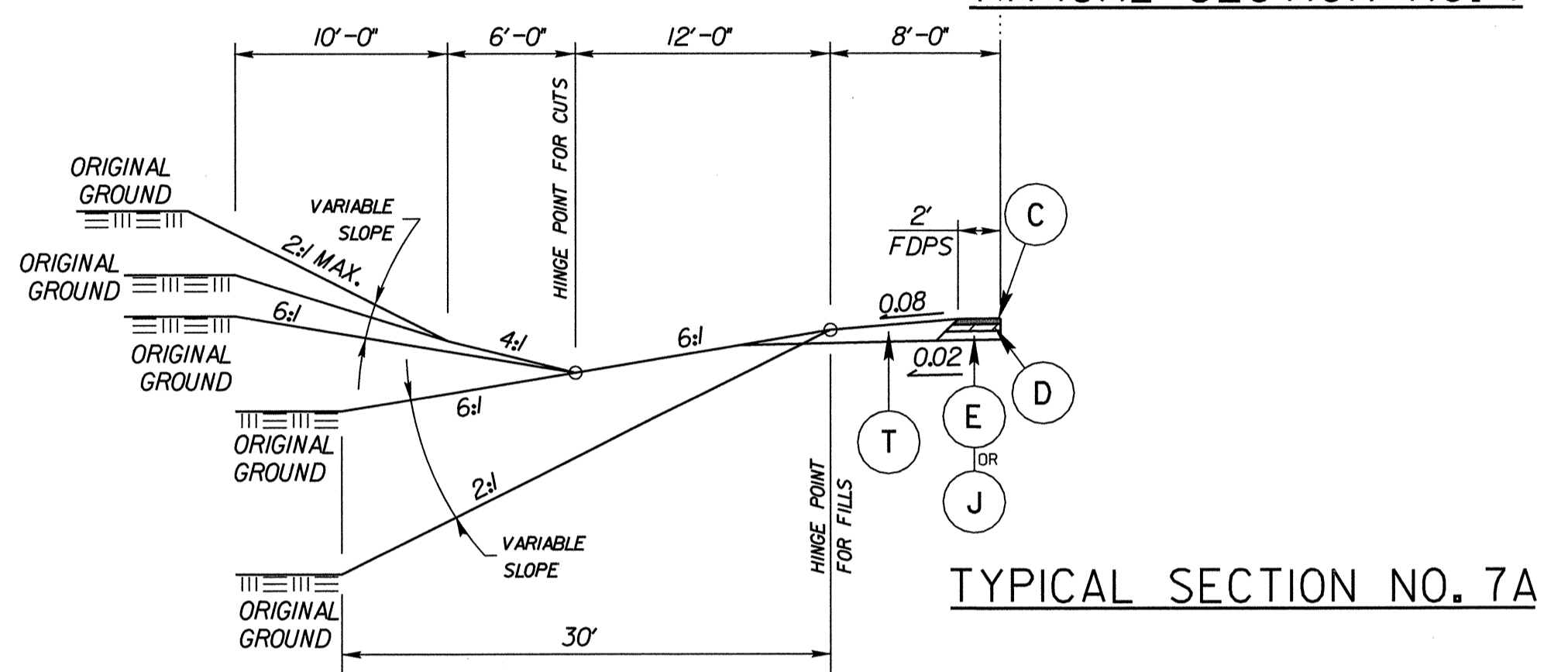
-Y22- STA. 10+76.74 TO STA. 11+24.74 (WIDEN & RESURFACE)
 -Y22- STA. 11+24.74 TO STA. 11+76.85

MILL APPROX. 1/2" FROM -Y22- STA. 10+76.74 TO STA. 11+76.85 AS DIRECTED BY THE ENGINEER
 REPLACE WITH 1.5" S9.5C

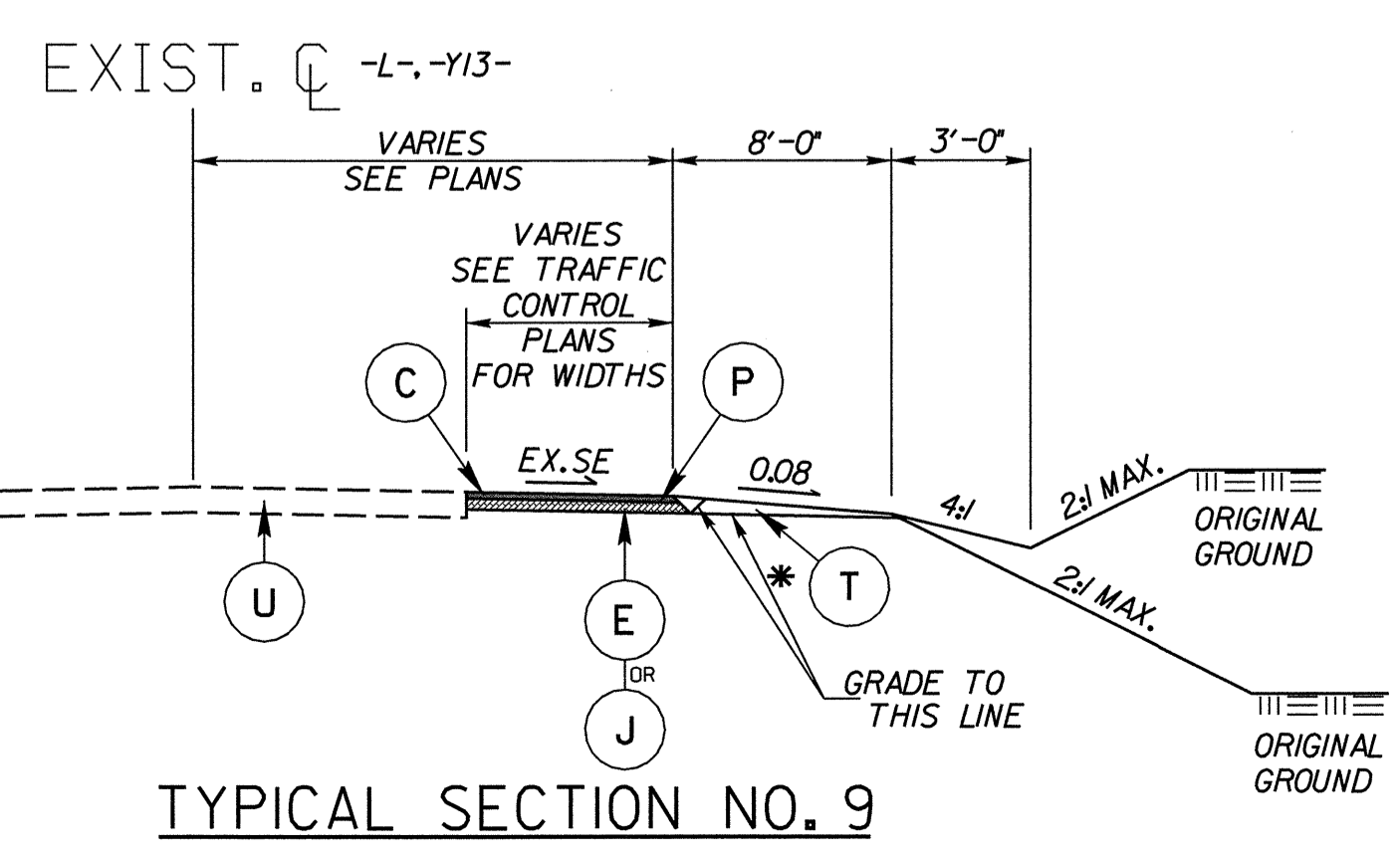
ROADWAY	C	D	E	J	PAVEMENT DEPTH	BERM WIDTH	WIDTH
-Y12-, -Y22-	C1	D1	E1	-	13 1/2"	10'	-
-Y15-, -Y17-	C3	-	E2	-	7"	10'	-
-Y21-	C2	D2	E2	-	9 1/2"	6'	-
-Y19-	C2	D3	-	J1	15"	10' (14' W/GR)	w > 6'
-Y19-	C2	D3	E2	-	11"	10' (14' W/GR)	w < 6'

FOR -Y21-, USE 24" CURB & GUTTER

USE TYPICAL SECTION NO. 7A IN CONJUNCTION WITH TYPICAL SECTION NO. 7
 -Y19- STA. 43+50.00 TO STA. 46+50.00 (LT SIDE)
 -Y19- STA. 40+50.00 TO STA. 46+50.00 (RT SIDE)



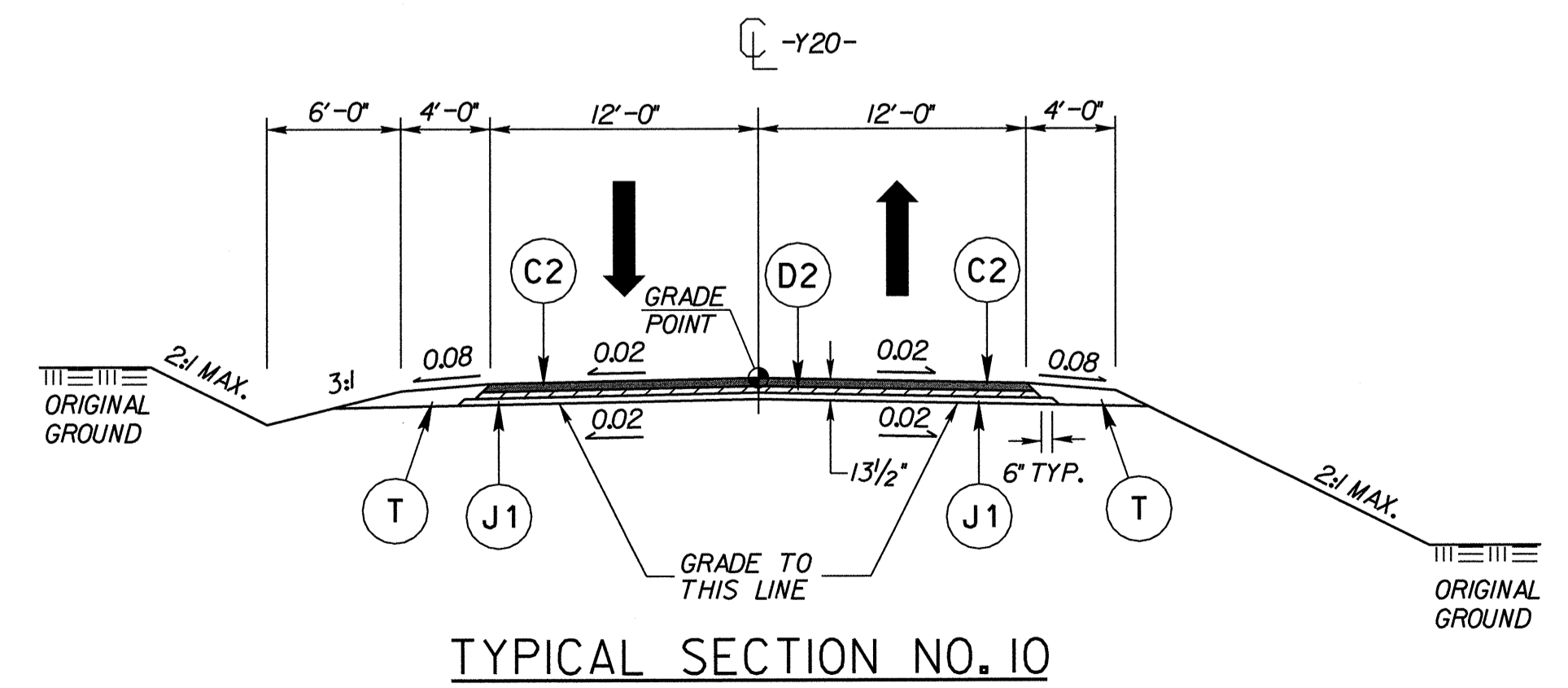
USE TYPICAL SECTION NO. 8
 -Y11- STA. 10+39.61 TO STA. 13+27.00



USE TYPICAL SECTION NO. 9
 TEMPORARY PAVEMENT
 (SEE SHEETS 2-C THRU 2-H AND TRAFFIC CONTROL PLANS FOR LOCATIONS)

ROADWAY	C	P	E	J	PAVEMENT DEPTH
-L-	C1	-	E5	-	8 1/2"
-Y13-	C2	P	-	J1	11"

* FOR PAVEMENT DEPTH > 10" USE GRADED SECTION



USE TYPICAL SECTION NO. 10
 -Y20- STA. 10+36.48 TO STA. 11+20.00

PAVEMENT SCHEDULE	
C1	3.0" S9.5C
C2	3.0" S9.5B
C3	3.0" SF9.5A
C4	VAR. SF9.5A
C5	VAR. S9.5B
C6	VAR. S9.5C
C7	2.0" SF9.5A
D1	4.0" I19.0C
D2	2.5" I19.0B
D3	4.0" I19.0B
D4	VAR. I19.0B
D5	VAR. I19.0C
D6	2.5" I19.0C
E1	6.5" B25.0C
E2	4.0" B25.0B
E3	5.0" B25.0B
E4	5.5" B25.0B
E5	5.5" B25.0C
E6	VAR. B25.0B
E7	VAR. B25.0C
J1	8" AGGREGATE BASE COURSE
J2	6" AGGREGATE BASE COURSE
P	PRIME COAT
R1	30" CURB AND GUTTER
R2	18" CURB AND GUTTER
R3	24" CURB & GUTTER
T	EARTH MATERIAL
U	EXISTING PAVEMENT
W	WEDGING (SEE DETAIL, SHEET 2)

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

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