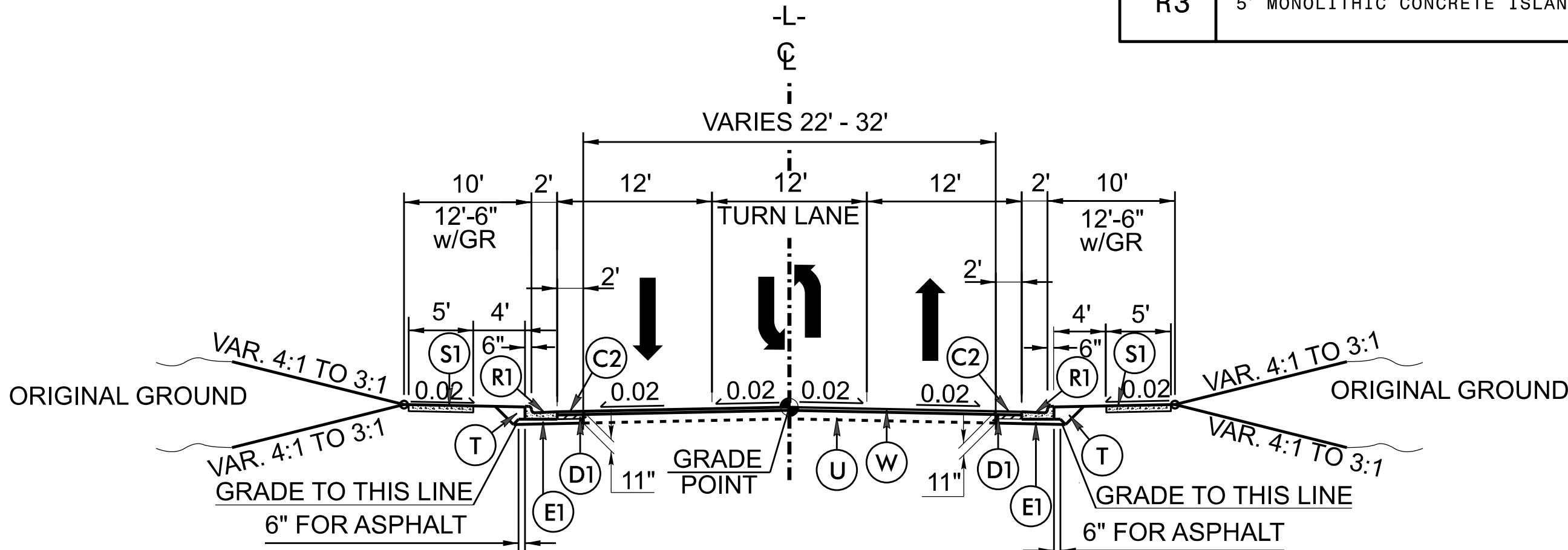


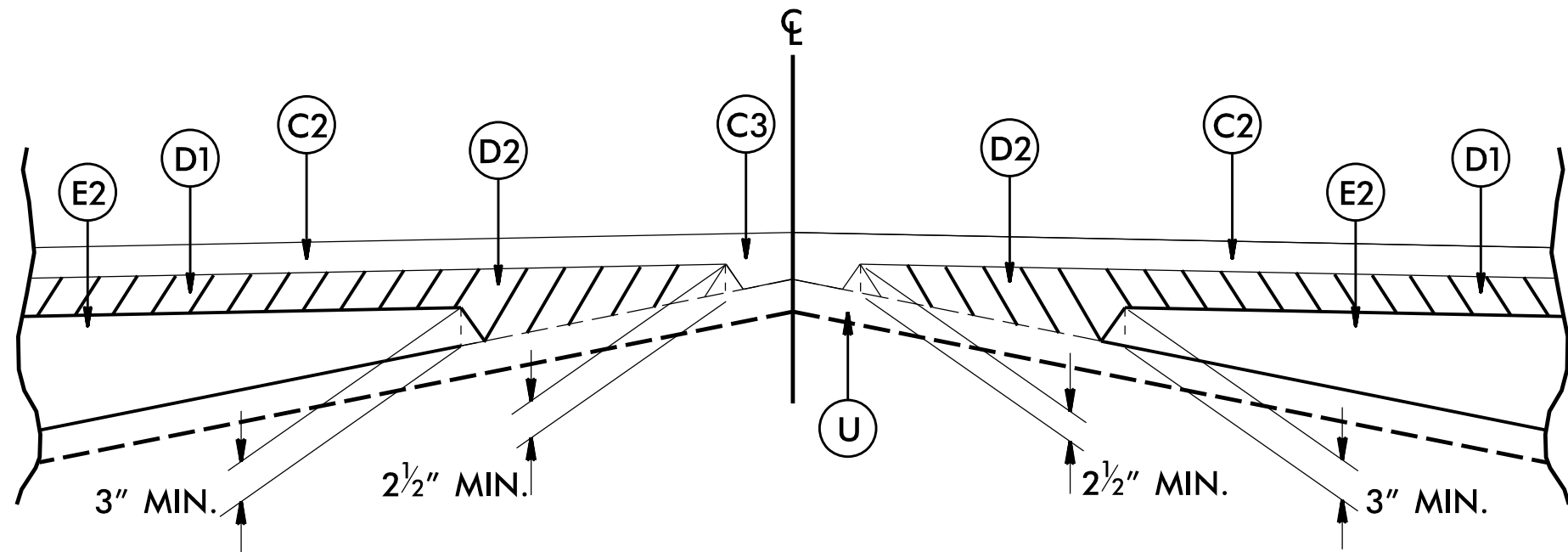
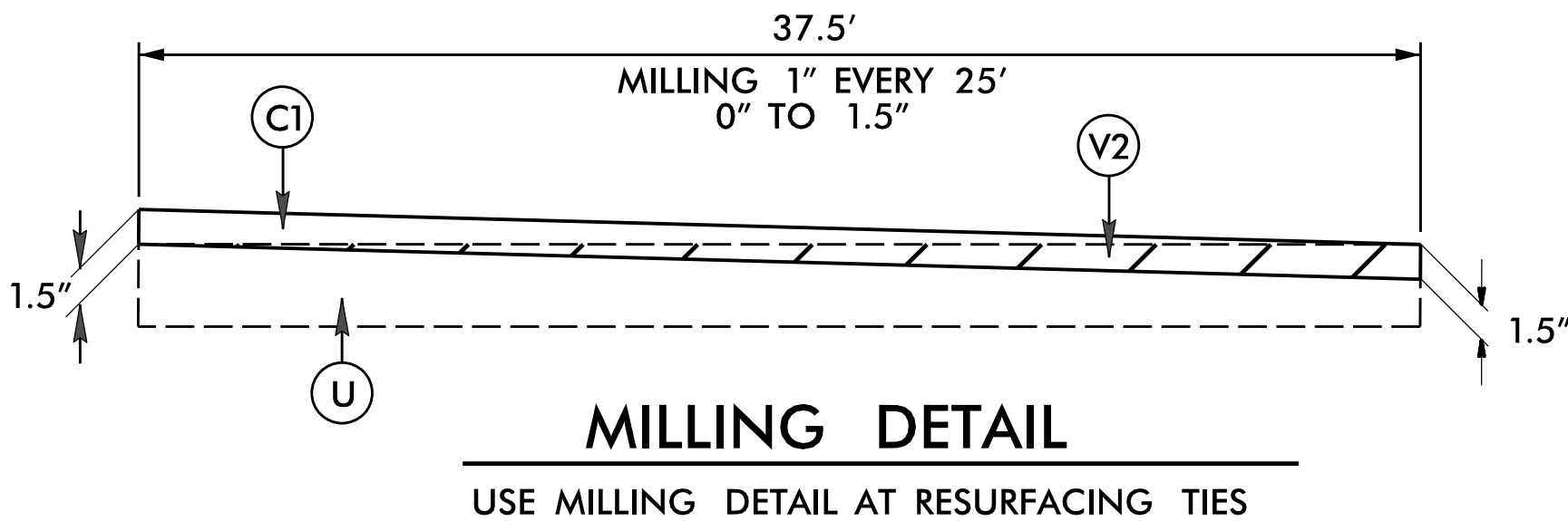
PRELIMINARY PAVEMENT SCHEDULE (PAVEMENT DESIGN PENDING)					
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.	E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	S1	4" CONCRETE SIDEWALK
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 330 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	E2	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.	S2	6" CONCRETE DRIVEWAY.
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 TO EXCEED 2" IN DEPTH.	J1	PROP. 8" AGGREGATE BASE COARSE	T	EARTH MATERIAL.
C4	PROP. APPROX. 2" 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 TO EXCEED 2" IN DEPTH.	J2	PROP. 6" AGGREGATE BASE COARSE	U	EXISTING PAVEMENT.
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.	V1	1.5" MILLING
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	1'-6" CONCRETE CURB AND GUTTER.	V2	VARIABLE DEPTH MILLING BITUMINOUS PAVEMENT.
		R3	5' MONOLITHIC CONCRETE ISLAND (KEYED-IN).	W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAIL THIS SHEET)

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

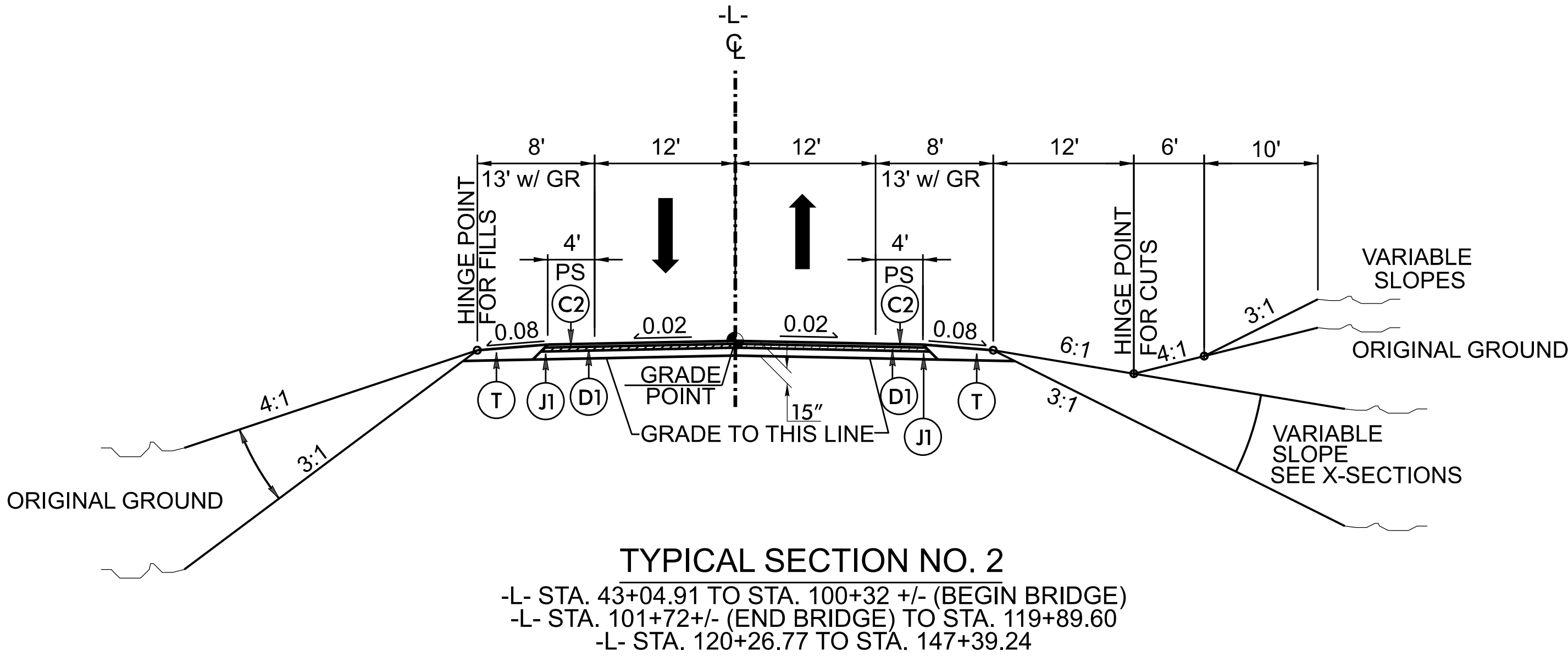


TYPICAL SECTION NO. 1

-L- STA. 10+50.27 TO STA. 43+04.91
-L- STA. 176+07.36 TO STA. 209+01.31

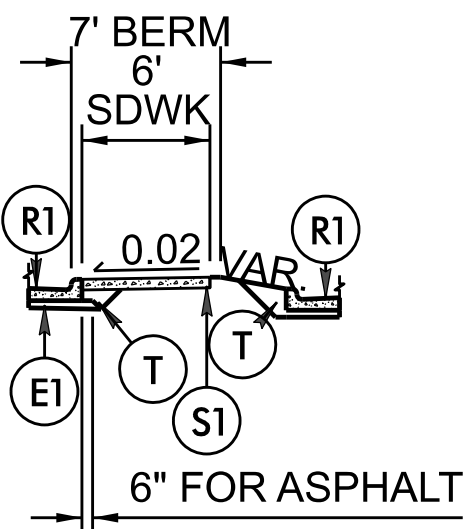


W: WEDGING DETAIL FOR RESURFACING



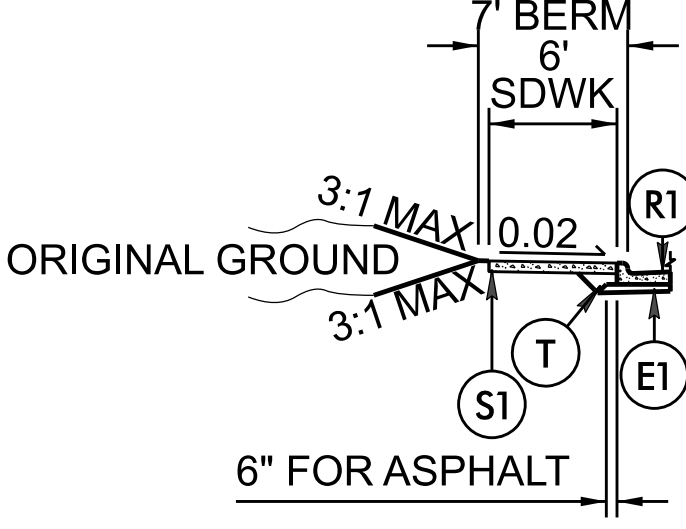
TYPICAL SECTION NO. 2

-L- STA. 43+04.91 TO STA. 100+32 +/- (BEGIN BRIDGE)
-L- STA. 101+72 +/- (END BRIDGE) TO STA. 119+89.60
-L- STA. 120+26.77 TO STA. 147+39.24



DETAIL A

-L- (RT) STA. 11+76.12 TO STA. 14+61.50
-L- (RT) STA. 207+53.83 TO STA. 209+01.31



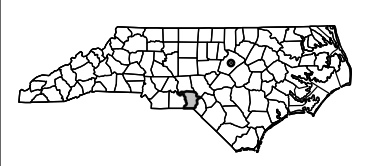
DETAIL B

-L- (RT) STA. 10+38.52 TO STA. 11+76.12 (MIRRORED)
-L- (RT) STA. 24+70.00 TO STA. 25+00.00 (MIRRORED)
-L- (LT) STA. 206+80 TO STA. 209+01.31

U-5706

2RD1 2A-1

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RICHMOND COUNTY



ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

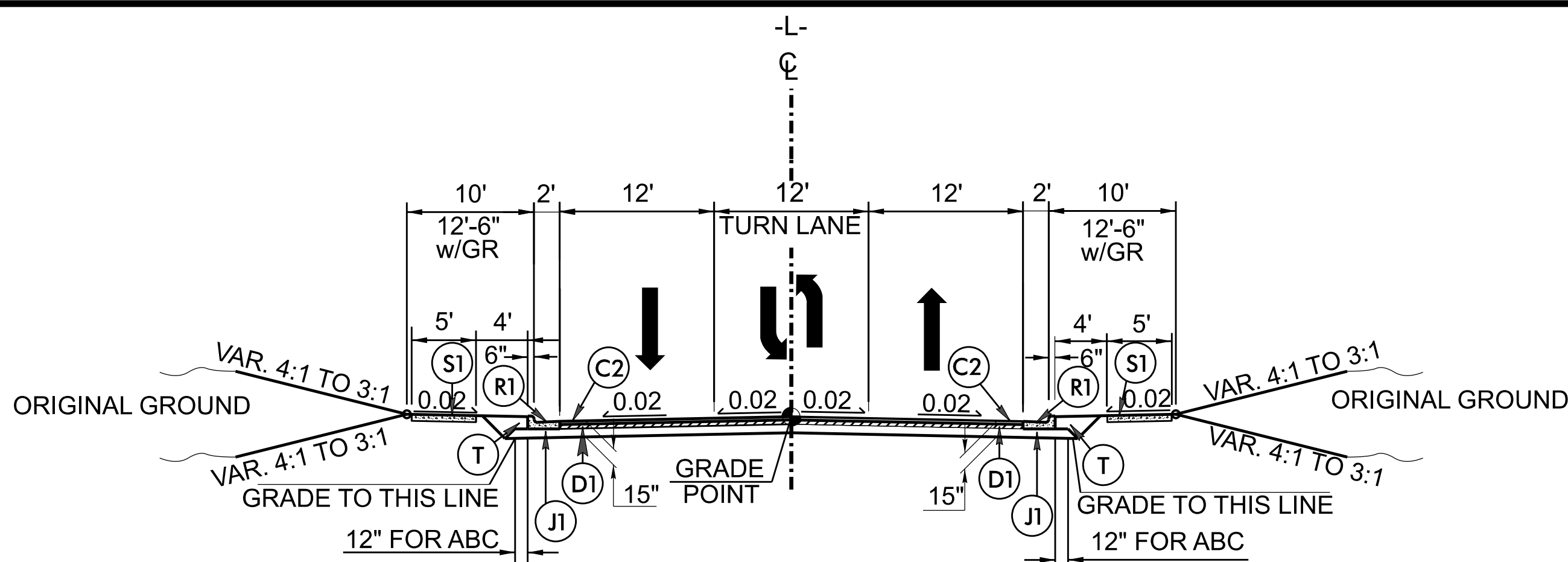
INCOMPLETE PLANS
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PREPARED BY
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2840 PLAZA PLACE,
SUITE 202
RALEIGH, NC 27612
(919) 571-7411
NC FIRM LICENSE NO. P-0159

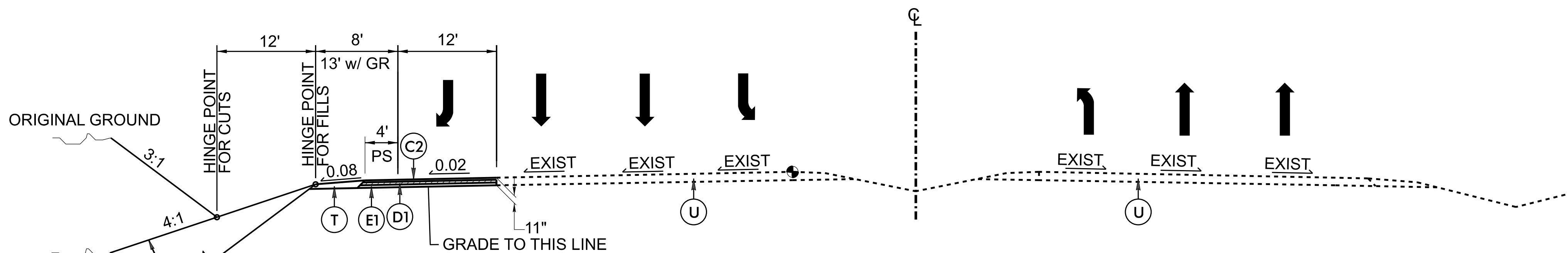
REVISIONS

C2	3" S9.5B
D1	4" I19.0C
E1	4" B25.0C
J1	8" ABC
R1	2'-6" C&G
R2	1'-6" C&G
S1	4" SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
W	WEDGING



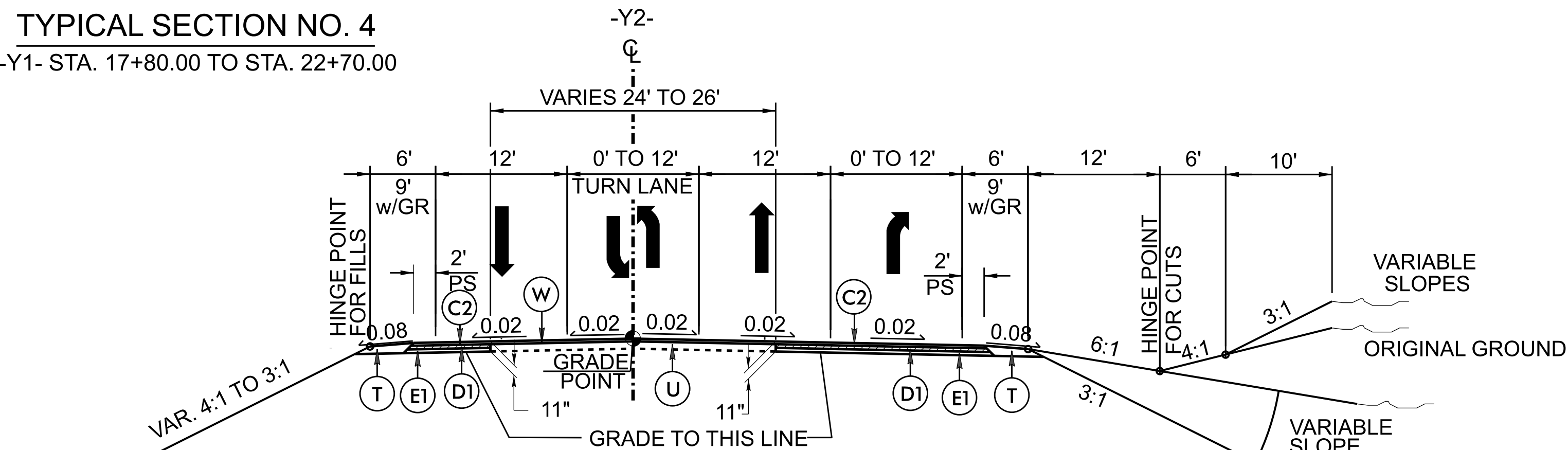
TYPICAL SECTION NO. 3

-L- STA. 147+39.24 TO STA. 154+21.90
-L- STA. 155+05.22 TO STA. 176+07.36



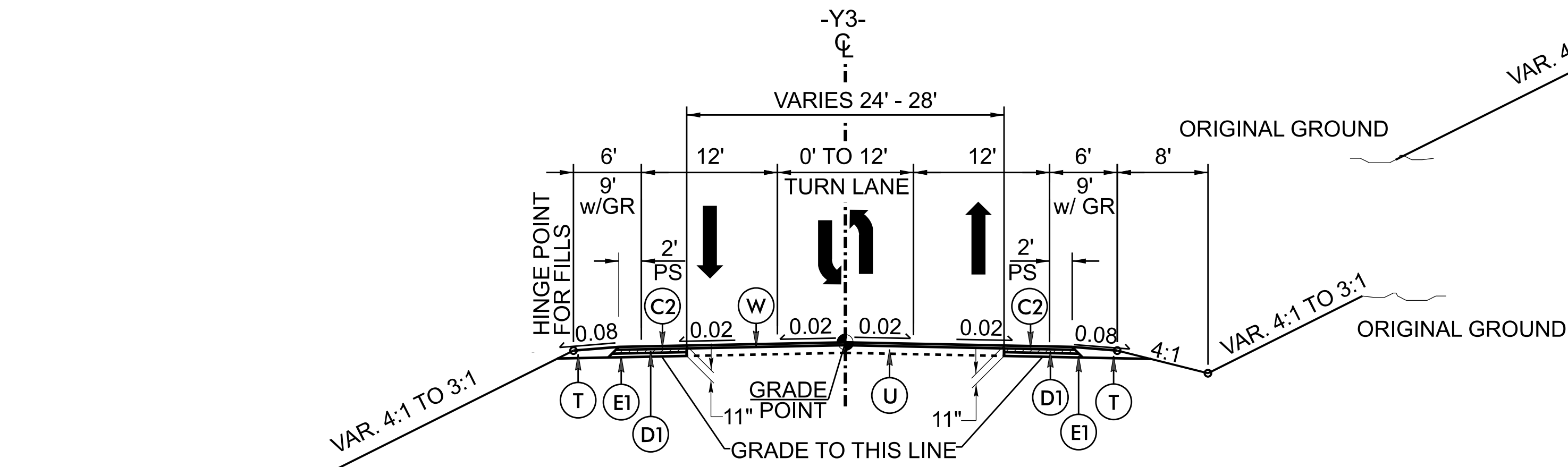
TYPICAL SECTION NO. 4

-Y1- STA. 17+80.00 TO STA. 22+70.00



TYPICAL SECTION NO. 5

-Y2- STA. 10+50.00 TO STA. 19+41.66
-Y2- STA. 19+82.46 TO STA. 28+50.00



TYPICAL SECTION NO. 6

-Y3- STA. 15+00.00 TO STA. 30+50.00

U-5706

2R01 2A-2

NORTH CAROLINA
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RICHMOND COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

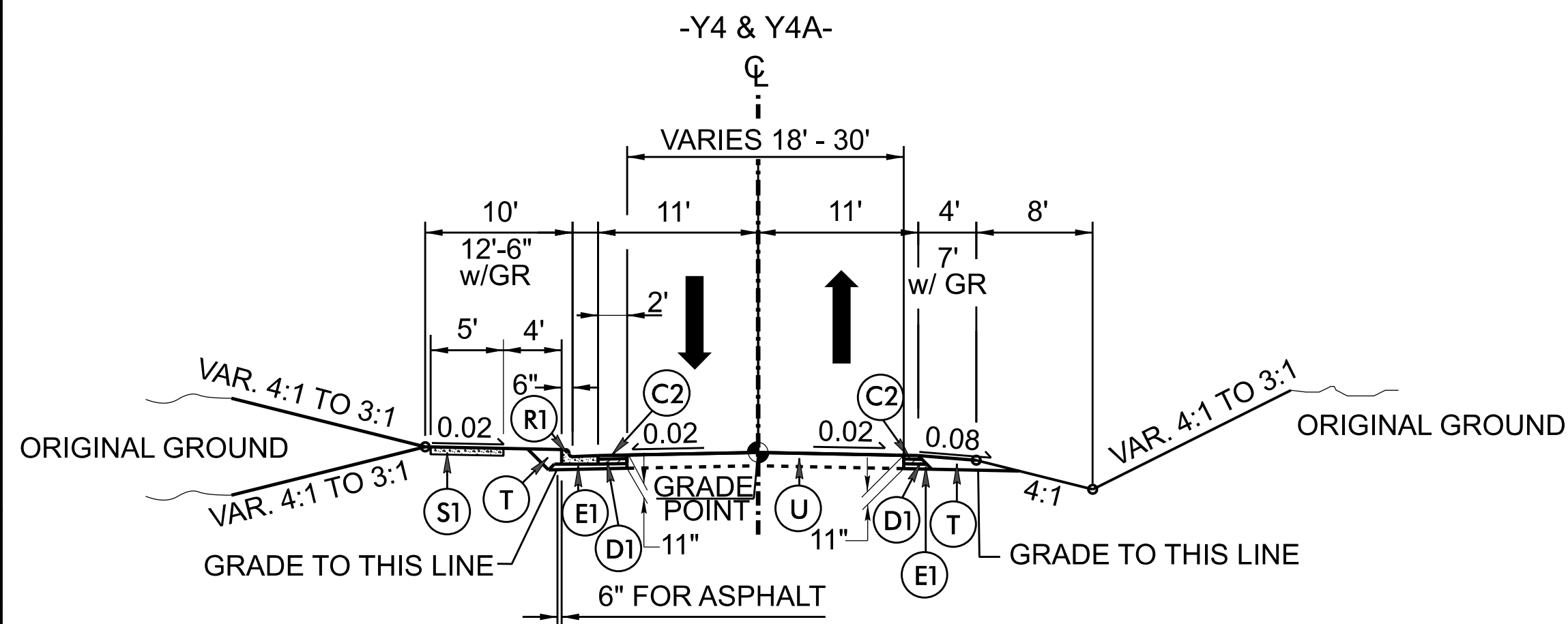
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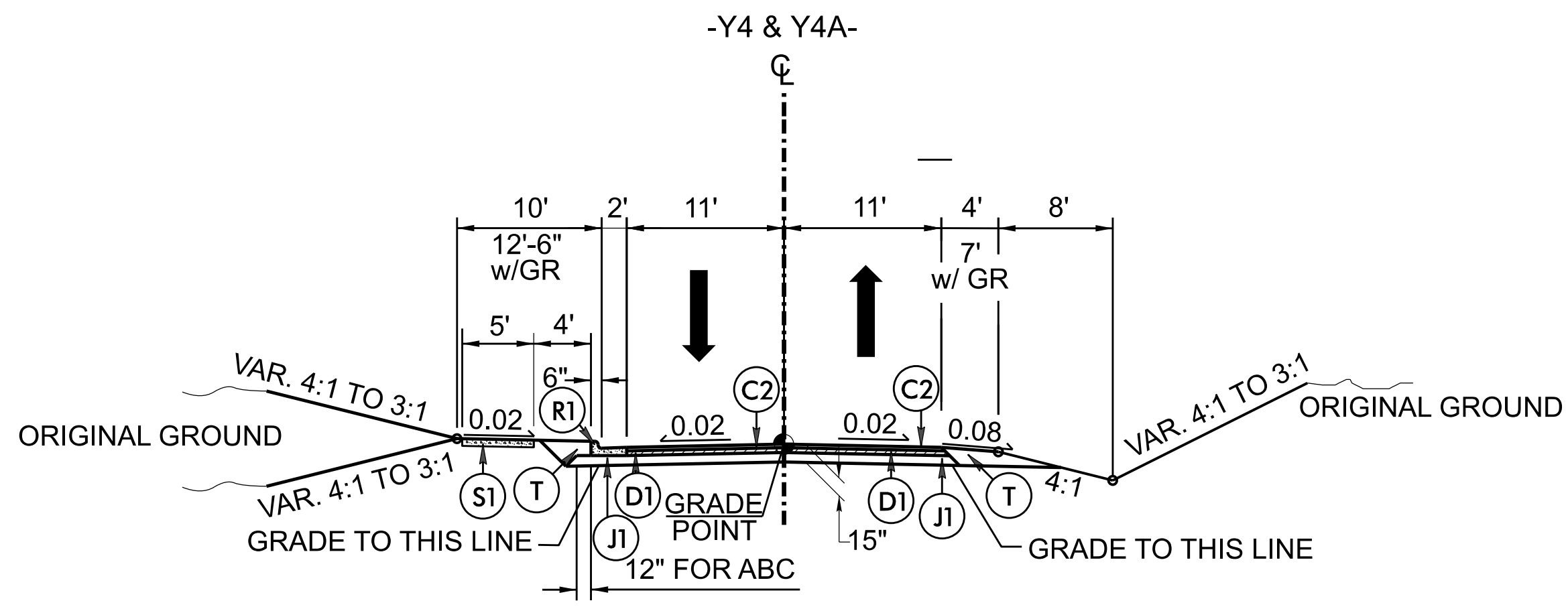
REVISIONS

C1	1.5" S9.5B
C2	3" S9.5B
D1	4" I19.0C
E1	4" B25.0C
J1	8" ABC
R1	2'-6" CURB
R2	1'-6" C&G
R3	5" CONC. ISLAND (KEYED-IN)
S1	4" SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V1	1.5" MILLING
W	WEDGING



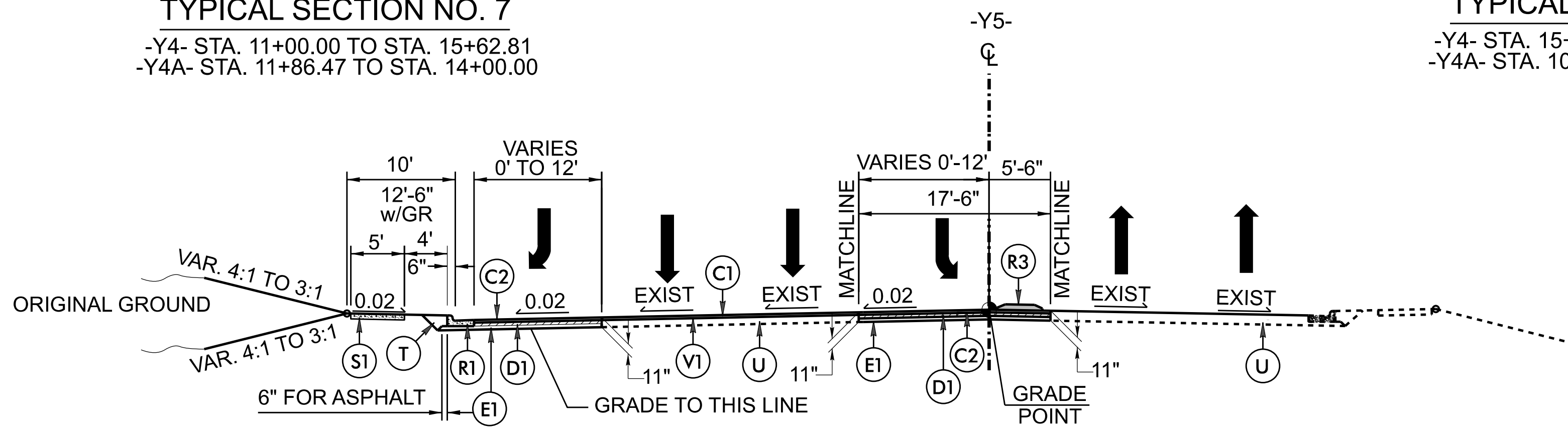
TYPICAL SECTION NO. 7

-Y4- STA. 11+00.00 TO STA. 15+62.81
-Y4A- STA. 11+86.47 TO STA. 14+00.00



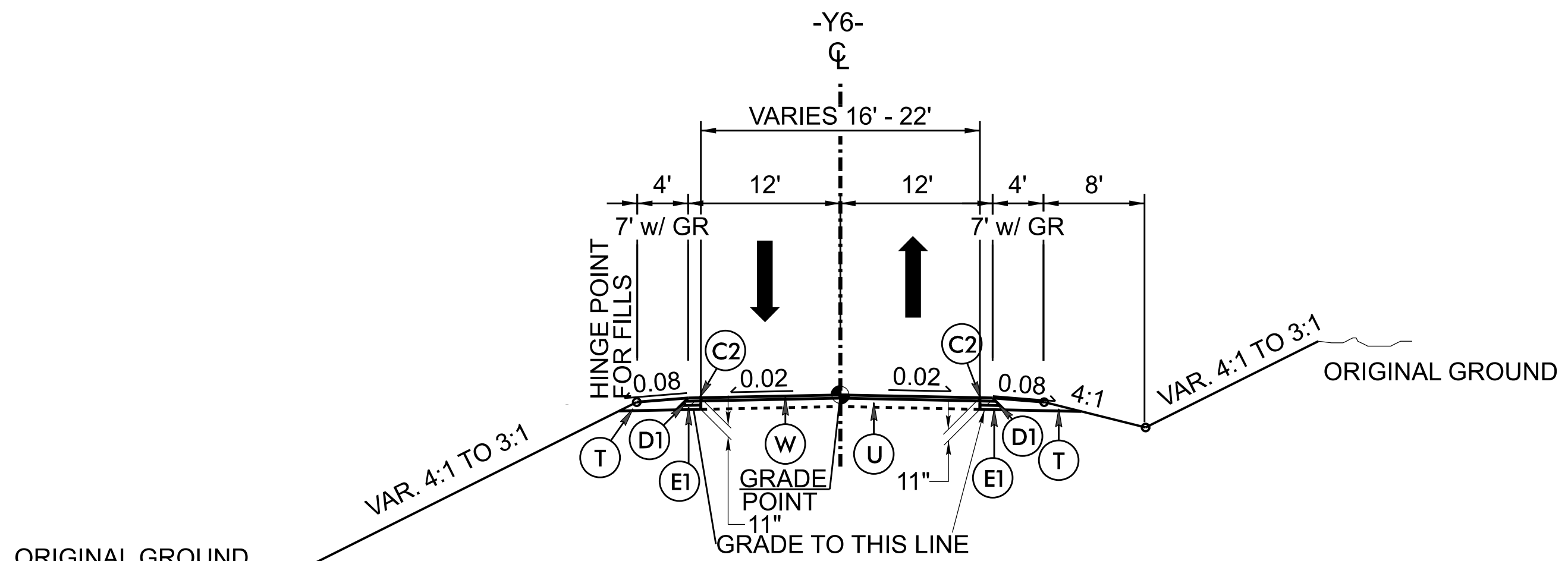
TYPICAL SECTION NO. 8

-Y4- STA. 15+62.81 TO STA. 19+58.58
-Y4A- STA. 10+11.00 TO STA. 11+86.47



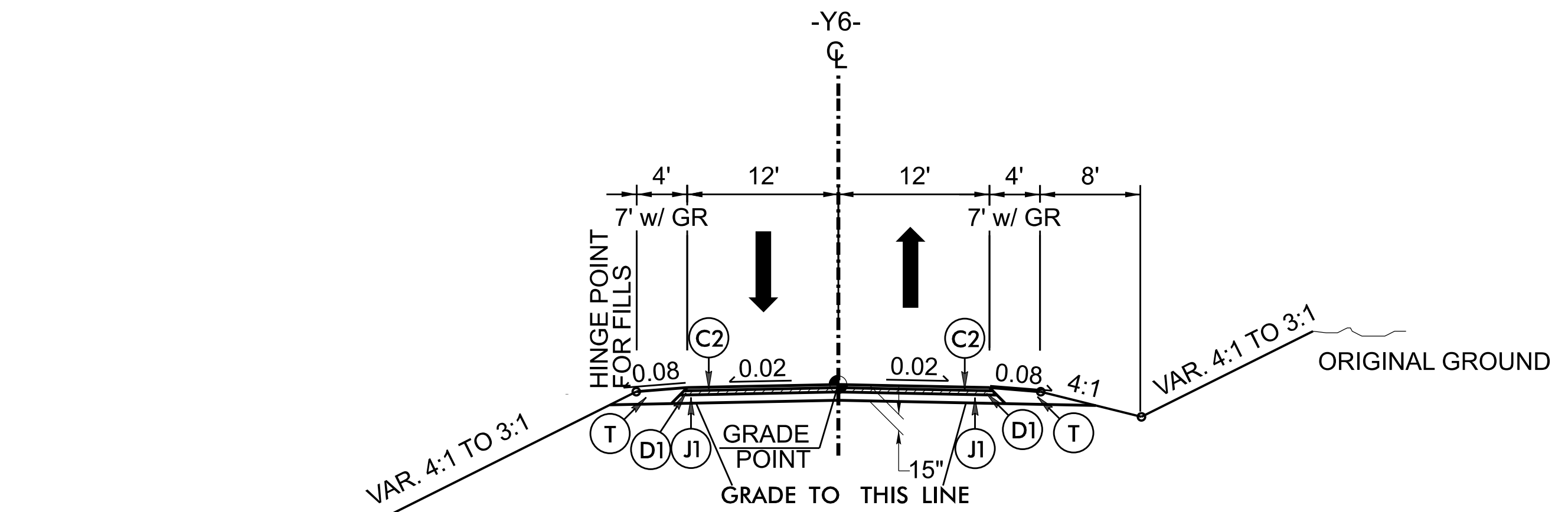
TYPICAL SECTION NO. 9

-Y5- STA. 27+59.75 TO STA. 35+50.00



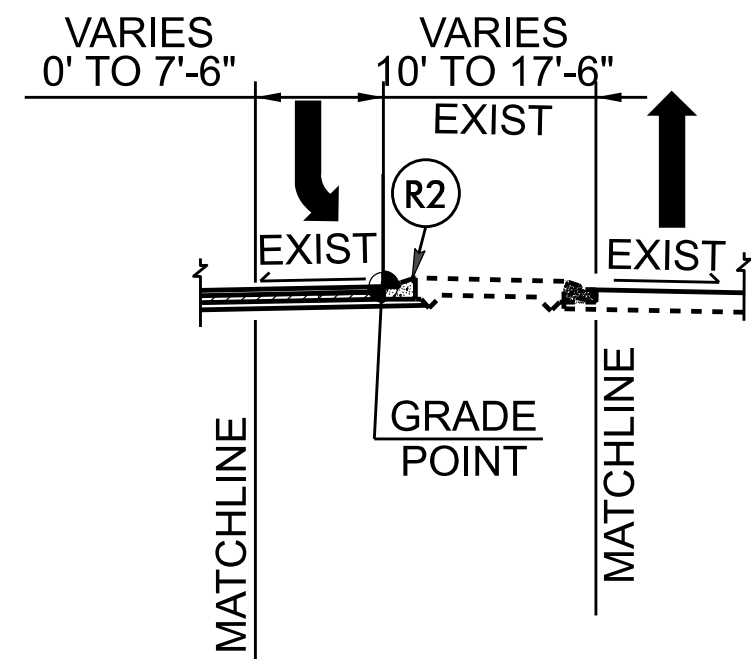
TYPICAL SECTION NO. 10

-Y6- STA. 10+40.00 TO STA. 13+73.78



TYPICAL SECTION NO. 11

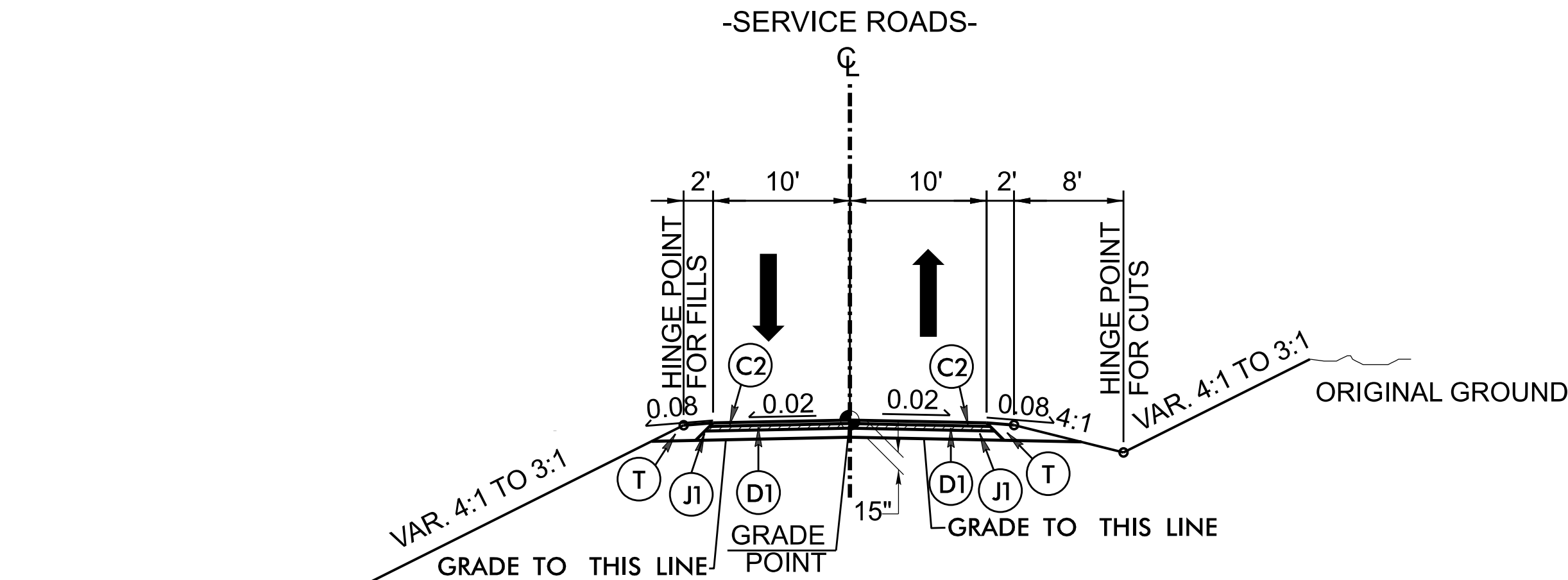
-Y6- STA. 13+73.76 TO STA. 15+44.95



DETAIL C

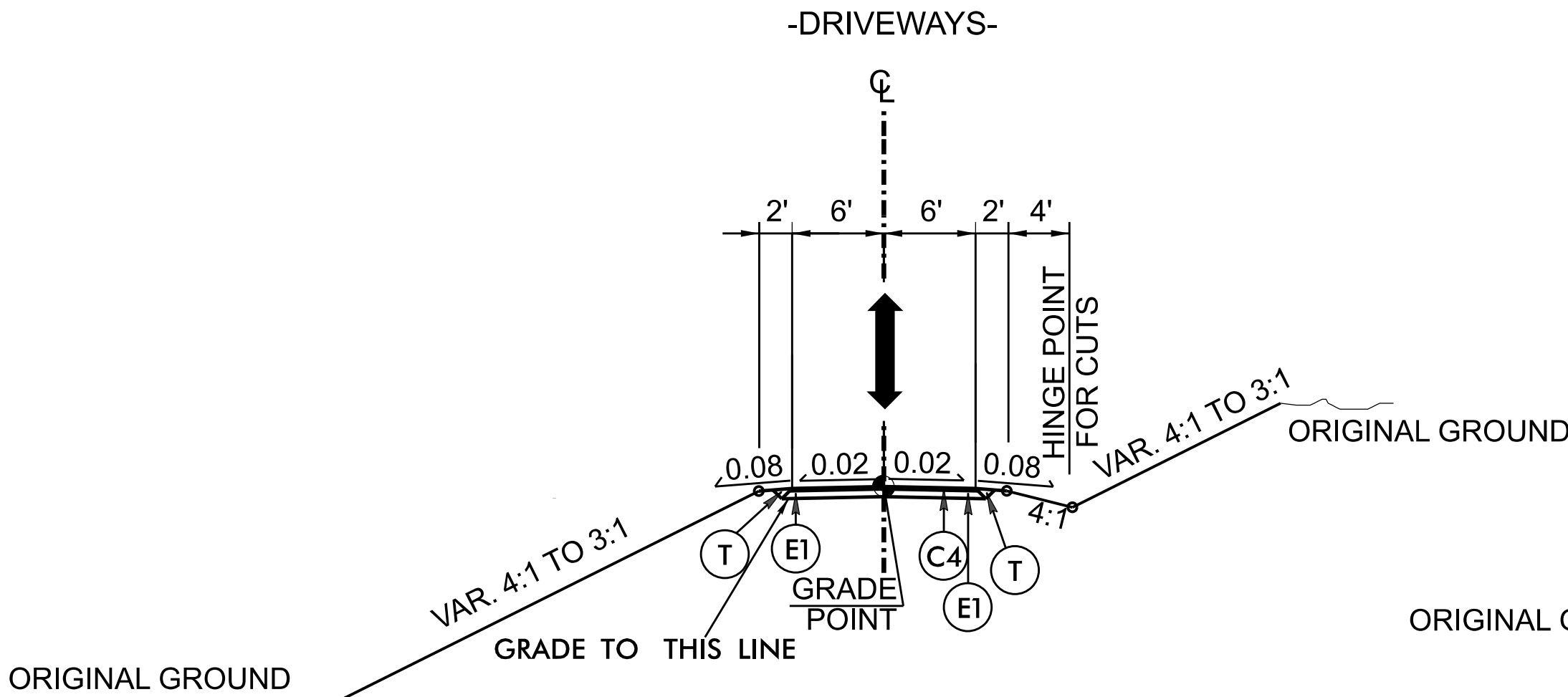
-Y5- STA. 34+87.66 TO STA. 35+50.00
USE IN CONJUNCTION WITH TYPICAL SECTION NO. 9

C2	3" S9.5B
C3	VAR. DEPTH S9.5B
C4	2" S9.5B
D1	4" I19.0C
E1	4" B25.0C
J1	8" ABC
J2	6" ABC
S2	6" CONC. DRIVEWAY
T	EARTH MATERIAL



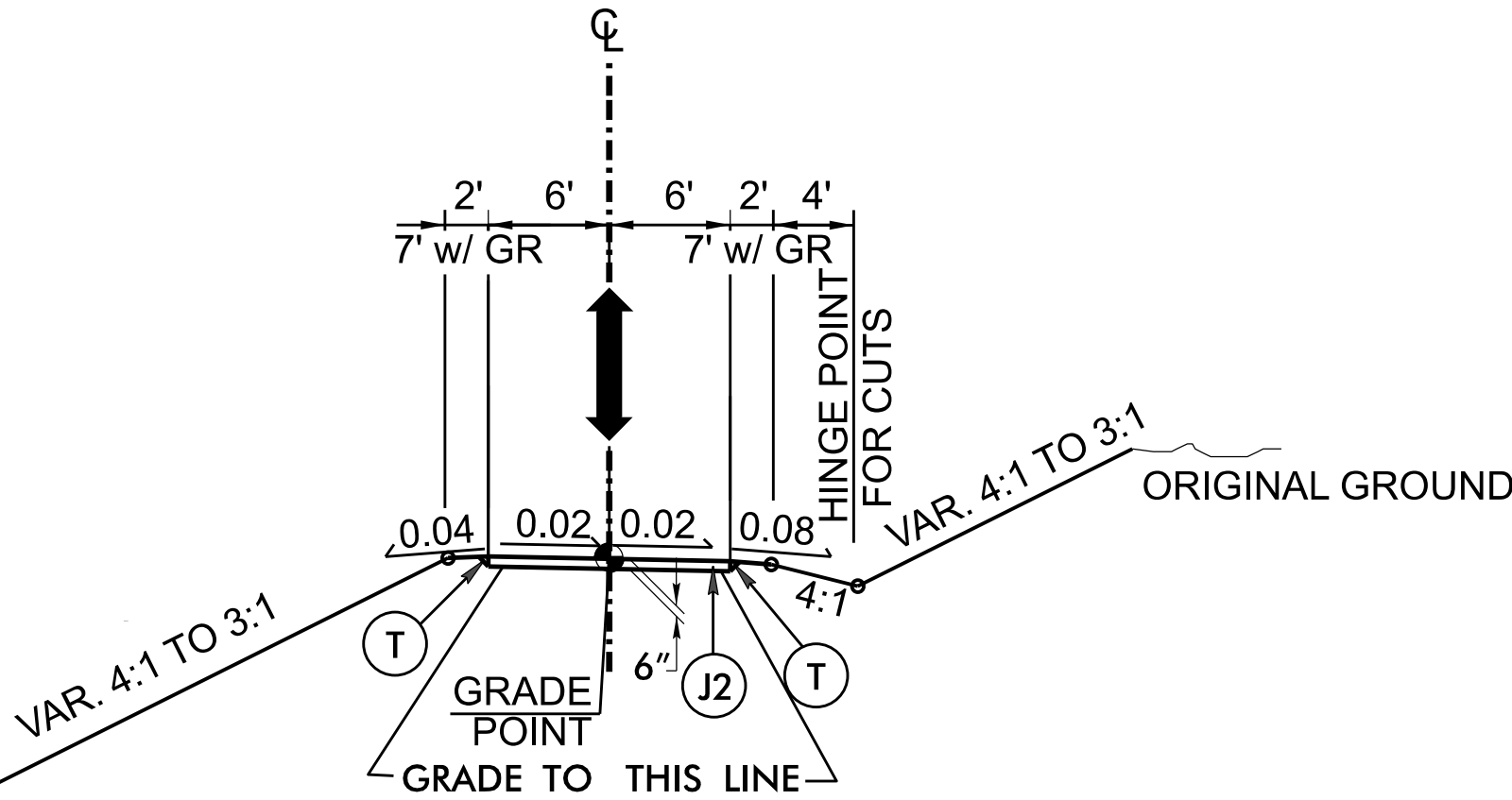
TYPICAL SECTION NO. 12

-SR1A- STA. 11+15.00 TO STA. 14+56.61
-SR2- STA. 10+10.00 TO STA. 13+82.45
-SR4- STA. 10+12.07 TO STA. 12+40.00
-SR5- STA. 10+12.00 TO STA. 12+60.00
-Y4B- STA. 10+20.00 TO STA. 11+74.29



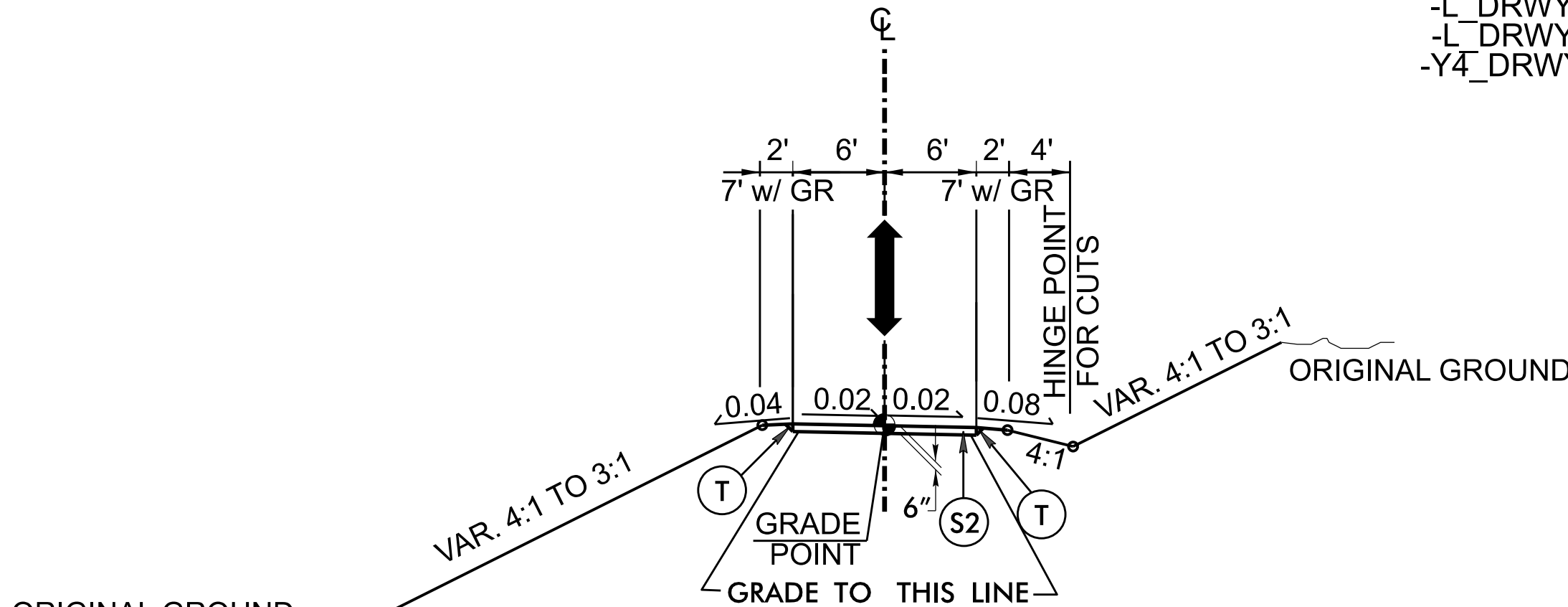
TYPICAL SECTION NO. 13

USE TYPICAL SECTION NO. 13 FOR PAVEMENT DRIVEWAYS
-Y4A_DRWY1- STA. 10+15.00 TO STA. 11+40.65
-L_DRWY1- STA. 10+10.00 TO STA. 10+83.48
-L_DRWY2- STA. 10+30.00 TO STA. 11+03.48
-Y4_DRWY1- STA. 10+10.00 TO STA. 10+98.42



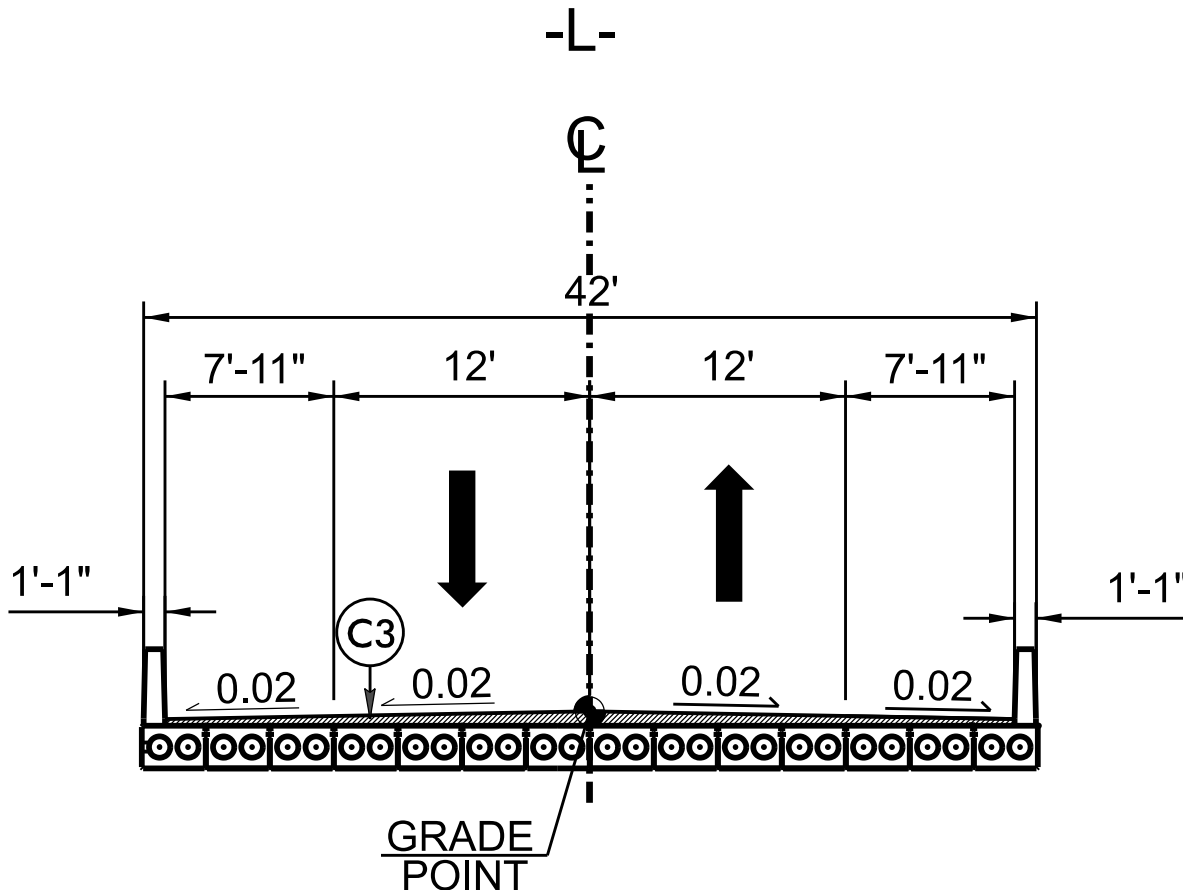
TYPICAL SECTION NO. 16

USE TYPICAL SECTION NO. 15 FOR SOIL DRIVEWAYS
-L_DRWY4- STA. 10+05.00 TO STA. 11+09.37
-SR4_DRWY1- STA. 10+10.00 TO STA. 12+33.56



TYPICAL SECTION NO. 14

USE TYPICAL SECTION NO. 14 FOR CONCRETE DRIVEWAYS
-Y2_DRWY1- STA. 10+13.19 TO STA. 10+61.97
-Y4_DRWY2- STA. 10+00.00 TO STA. 10+77.53
-Y4_DRWY3- STA. 10+02.50 TO STA. 11+32.95
-Y4_DRWY4- STA. 10+10.00 TO STA. 10+77.10
-Y4A_DRWY2- STA. 10+00.00 TO STA. 10+61.39
-L_DRWY3- STA. 10+10.00 TO STA. 11+34.46



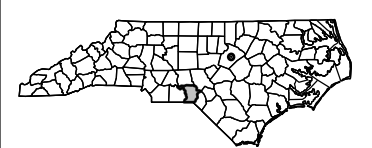
TYPICAL SECTION NO. 15

-L- STA. 100+32+/- (BEGIN BRIDGE) TO STA. 101+72+/- (END BRIDGE)

U-5706

2R01 2A-4

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RICHMOND COUNTY



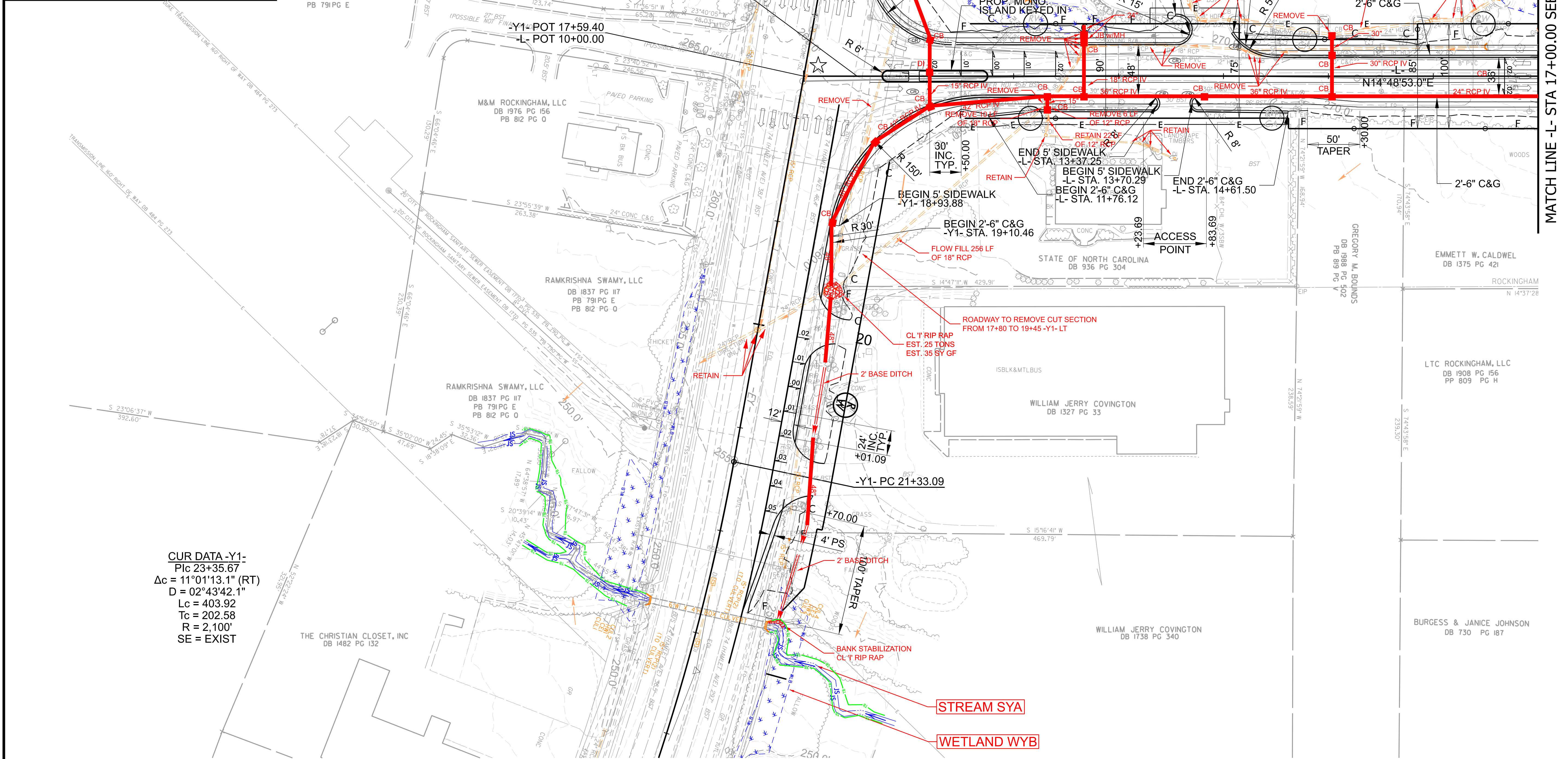
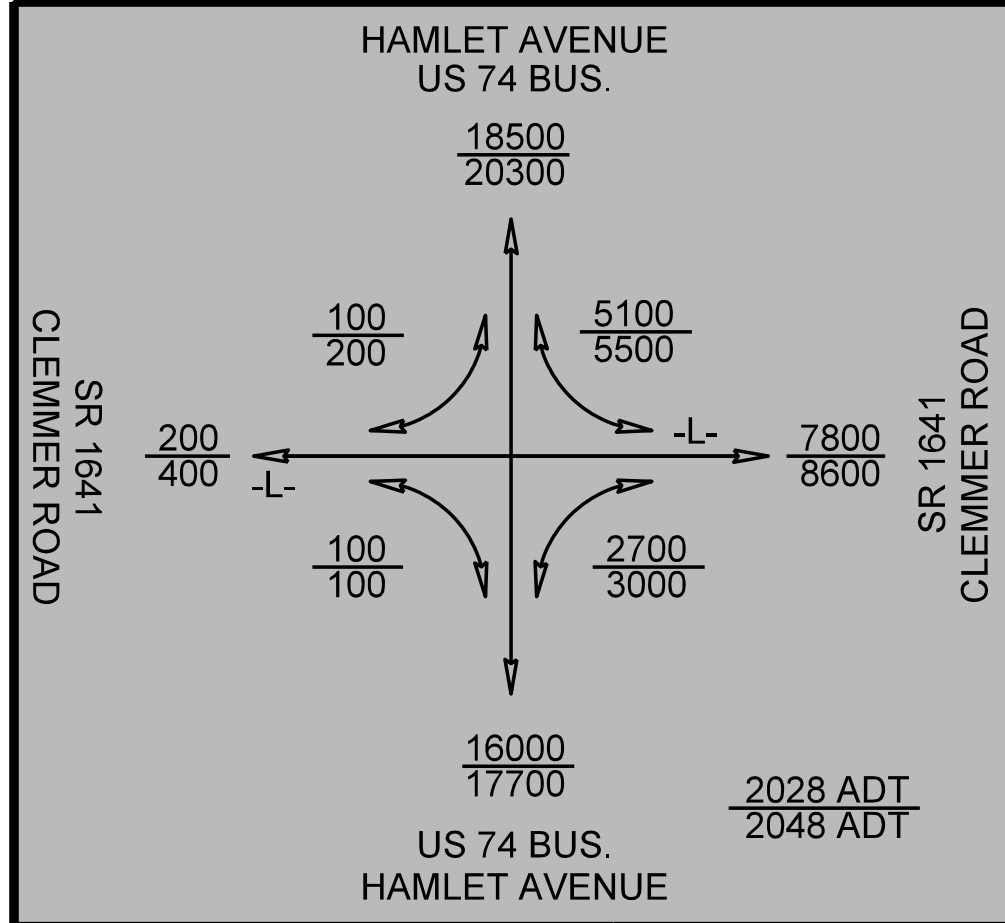
ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

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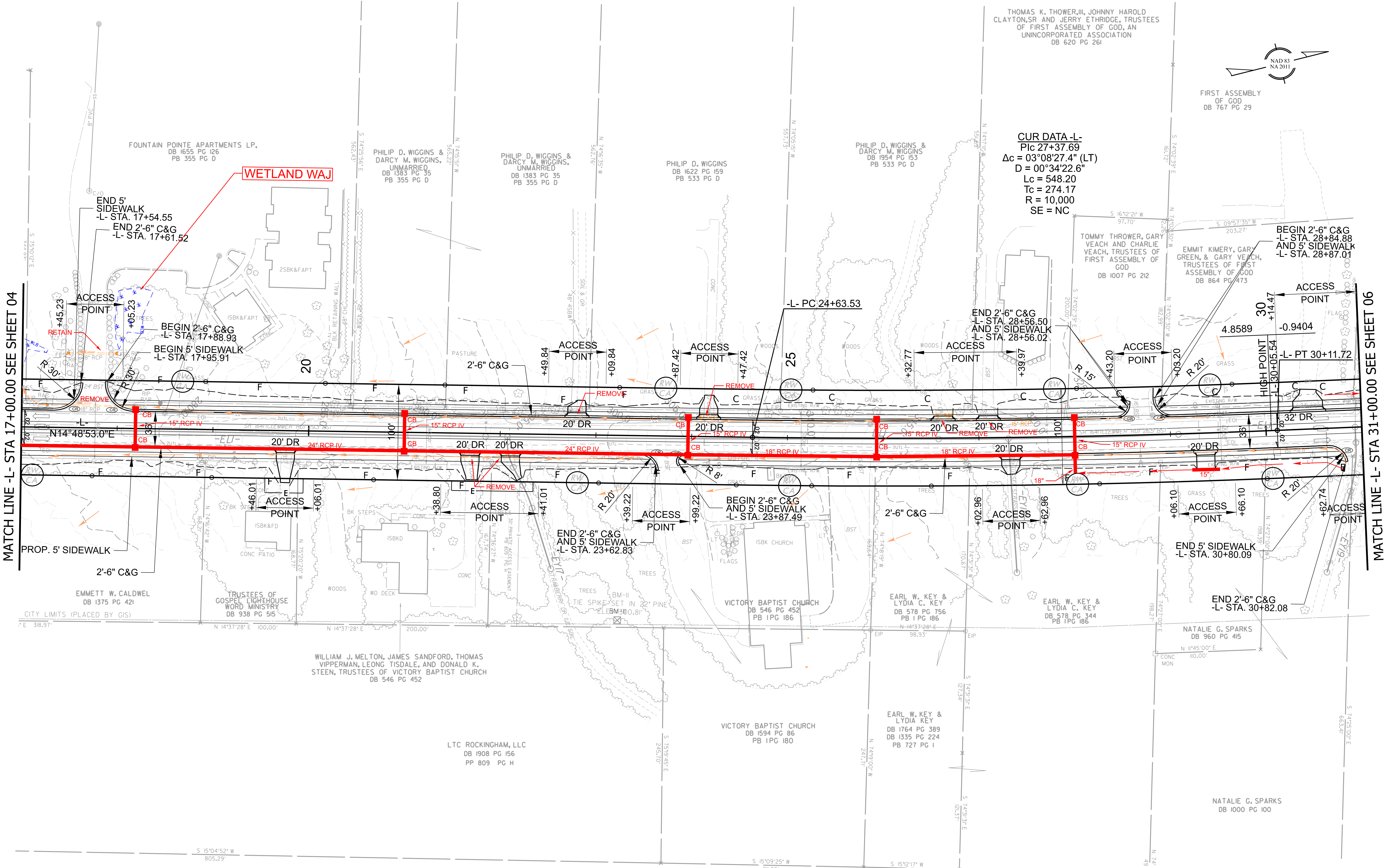
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REVISIONS



CUR DATA -Y1-
 Plc 23+35.67
 $\Delta c = 11^{\circ}01'13.1''$ (RT)
 D = $02^{\circ}43'42.1''$
 Lc = 403.92
 Tc = 202.58
 R = 2,100'
 SE = EXIST

FOR -L- PROFILE, SEE SHEET 25
FOR -Y1- PROFILE, SEE SHEET 40



[FOR -L- PROFILE, SEE SHEET 20]

U-5706

2R0105

NORTH CAROLINA
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RICHMOND COUNTY

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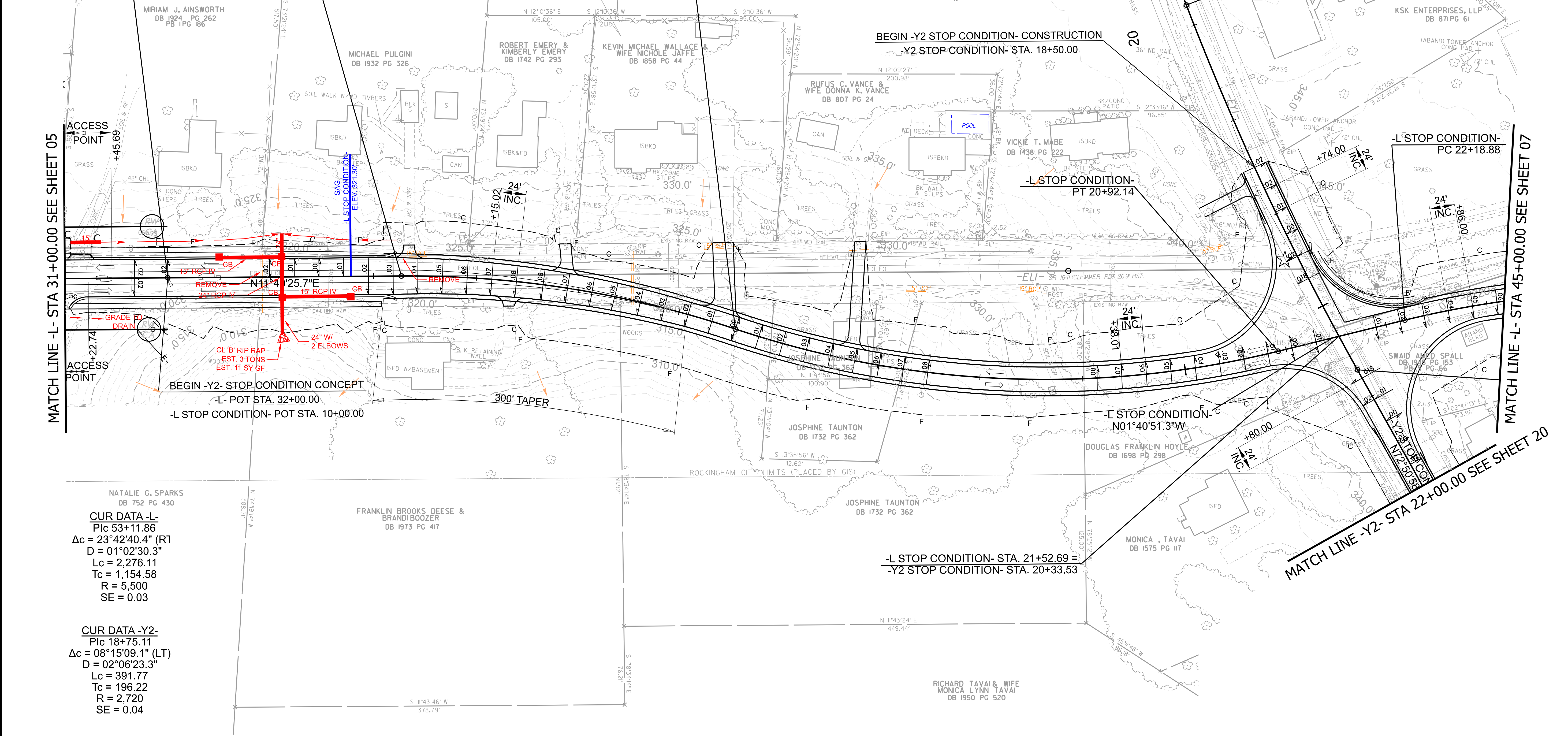
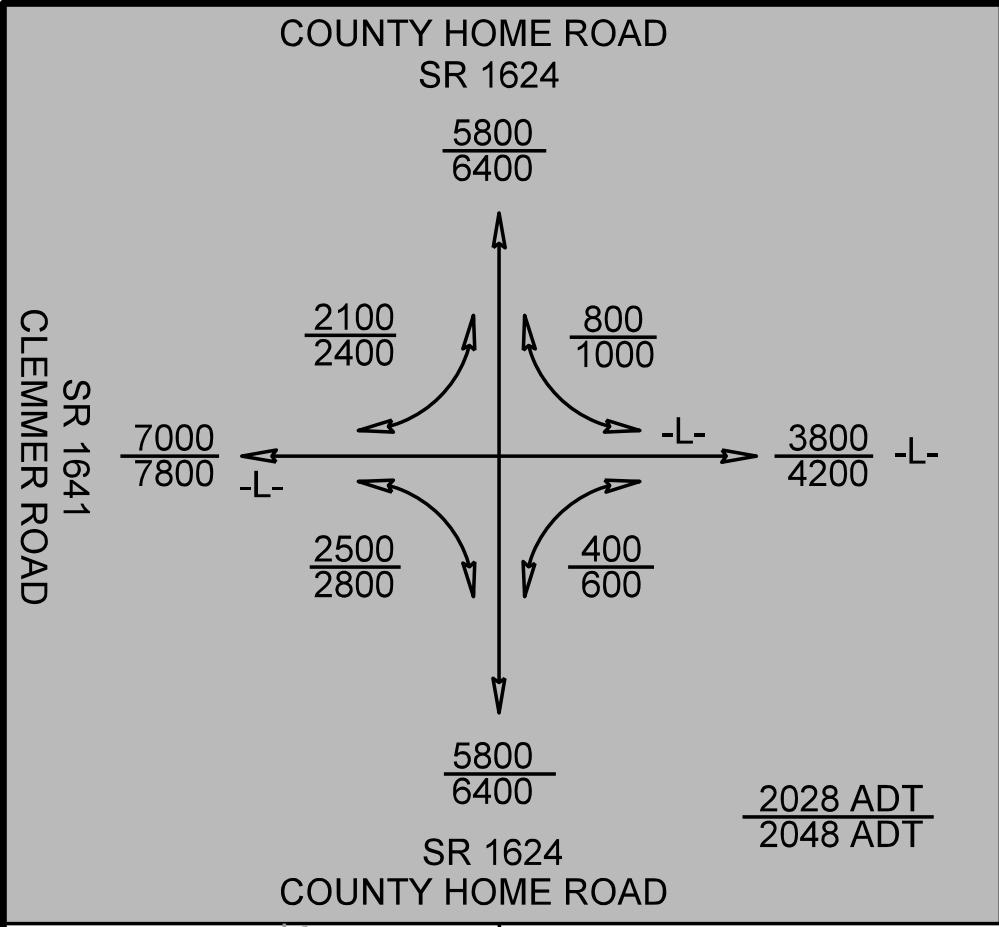
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RICHMOND COUNTY

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REVISIONS

☆ EXISTING TRAFFIC
SIGNAL (UPGRADE)
FOR -L- PROFILE, SEE SHEET 27
FOR -Y2- PROFILE, SEE SHEET 41.42
FOR -Y2- DRWY1- PROFILE, SEE SHEET 50

HYDRAULICS
ENGINEER

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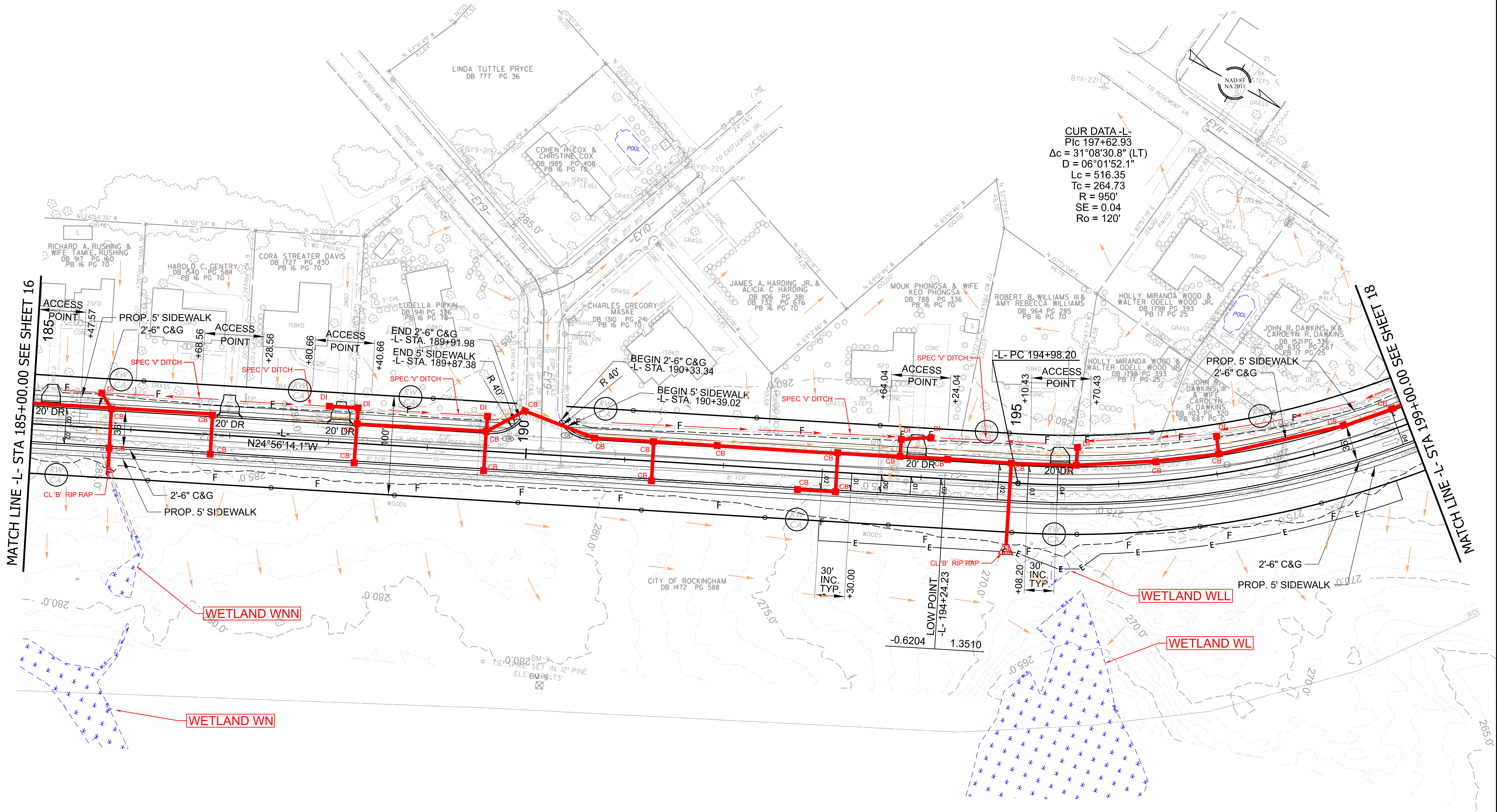
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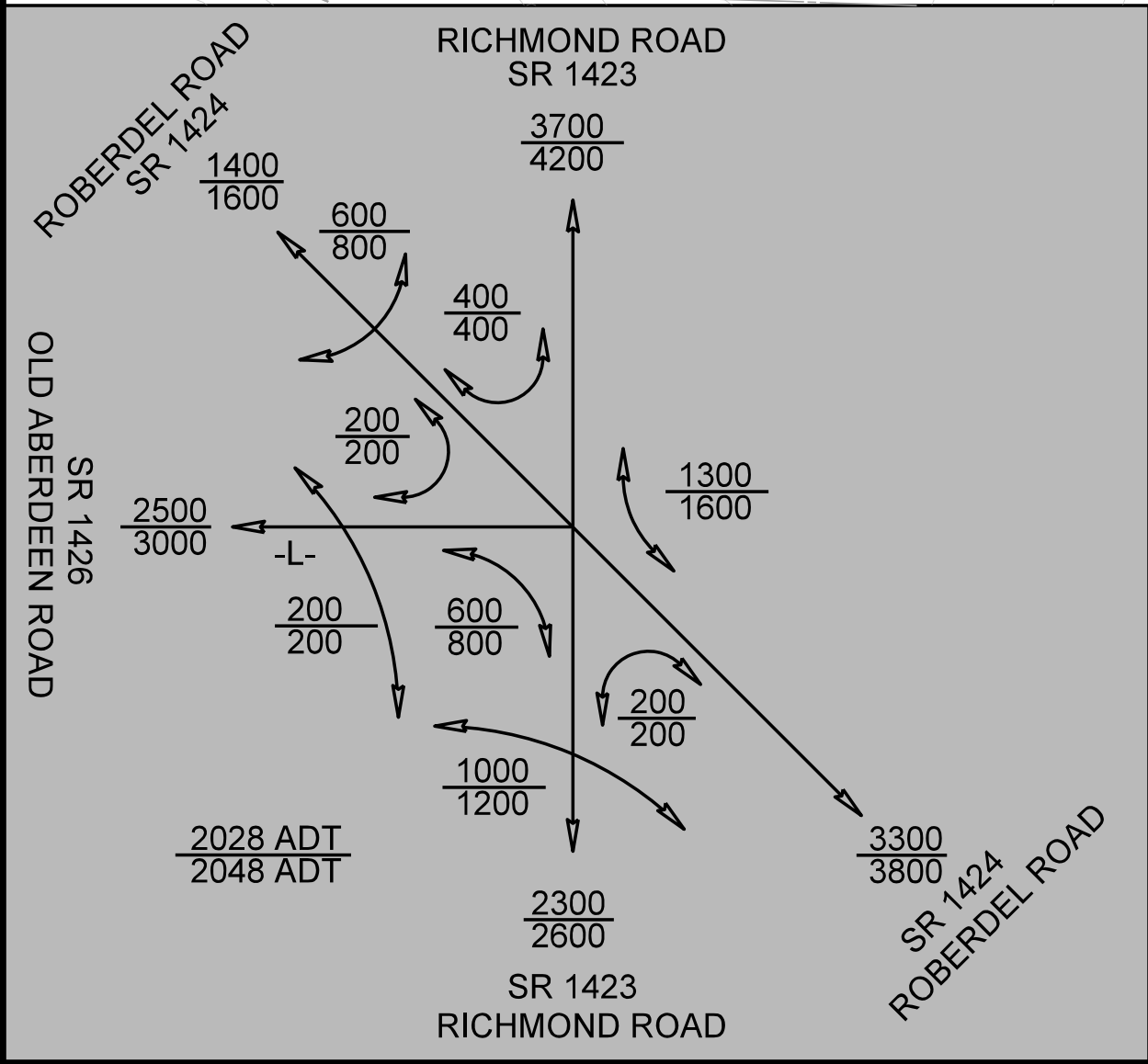
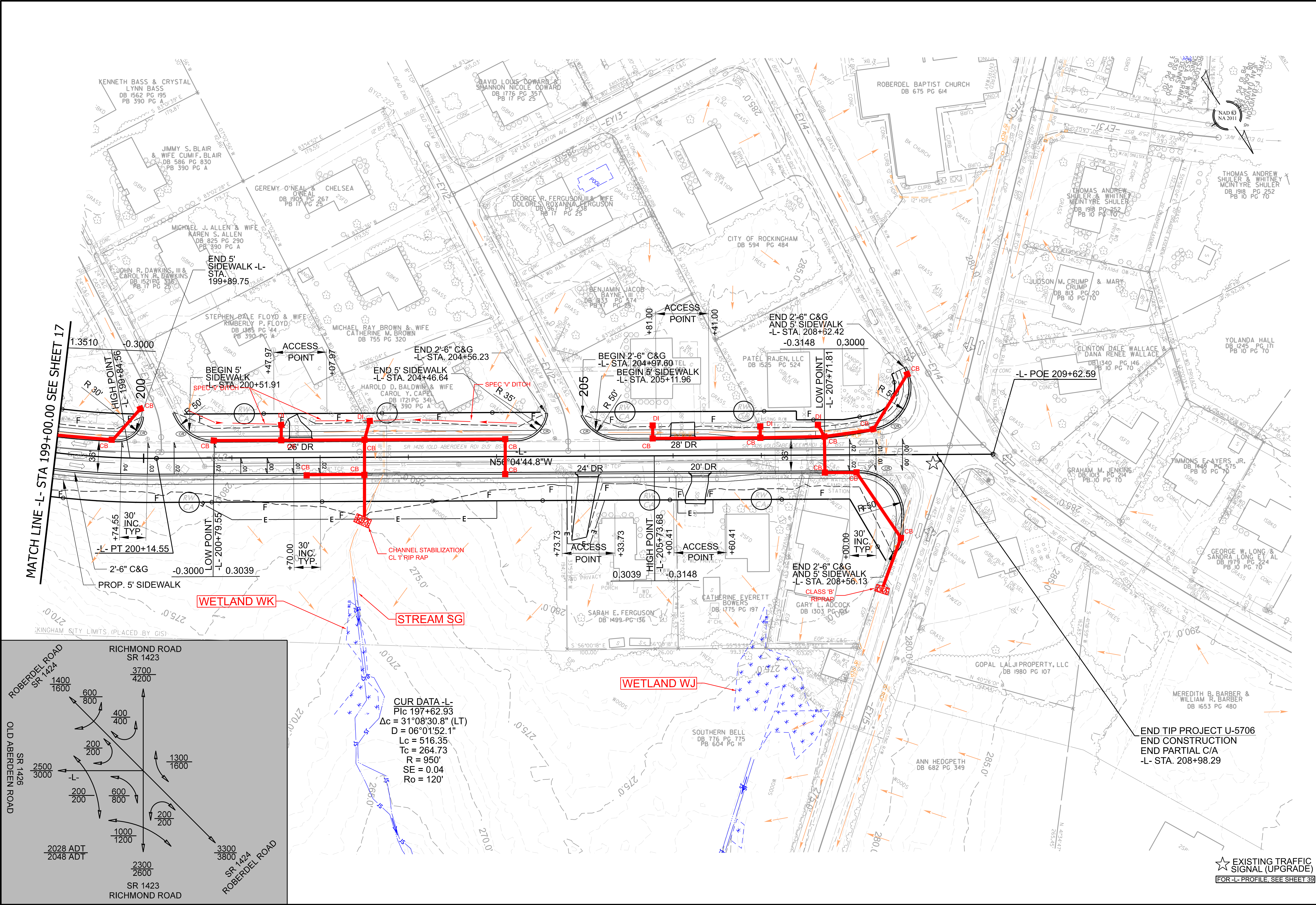
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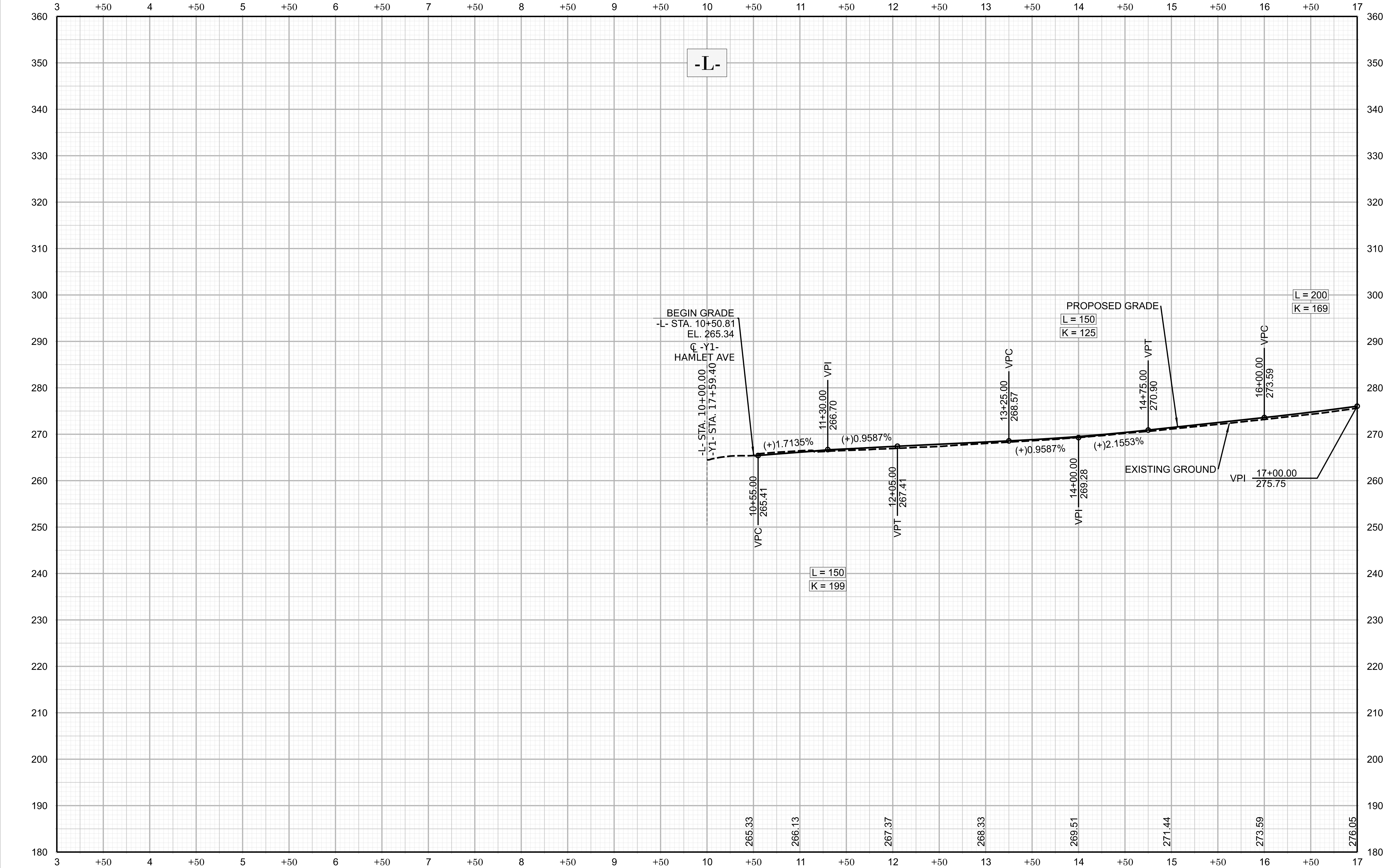
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DISCUSSION

REVI



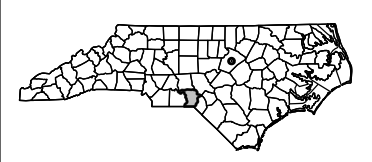




U-5706

2R01 | 25

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RICHMOND COUNTY



ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

INCOMPLETE PLANS

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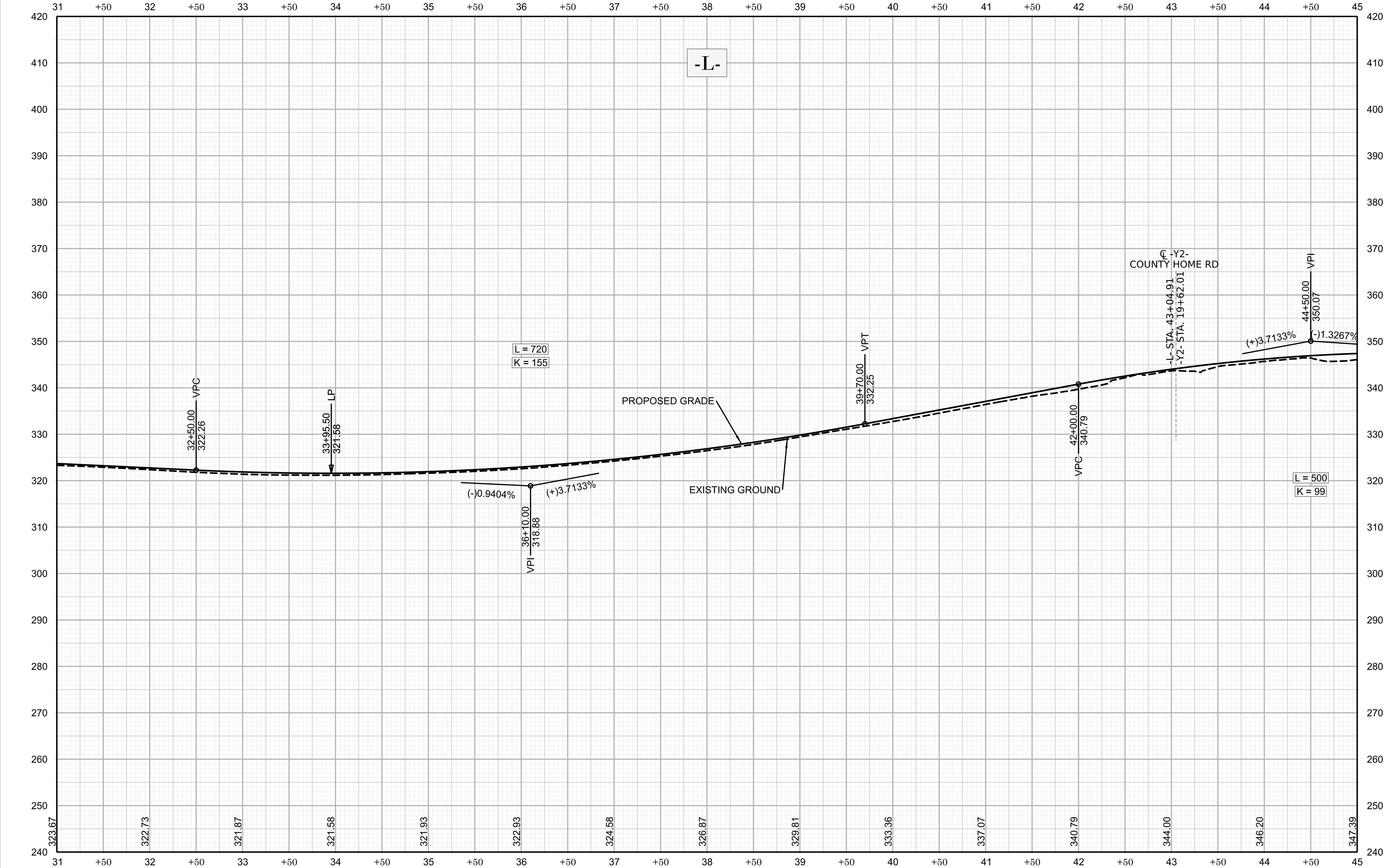
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H.W. LOCHNER, INC.
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RALEIGH, NC 27612
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PREPARED BY
SUNGATE DESIGN GROUP, P.A.
905 JONES FRANKLIN ROAD
RALEIGH, NC 27606
(919) 859-2243
NC FIRM LICENSE NO. C-890

REVISIONS

FOR -L- PLAN, SEE SHEET 04





U-5706

2R01 | 27

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RICHMOND COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

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Lochner

H.W. LOCHNER, INC.

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SUITE 202

RALEIGH, NC 27612

(919) 571-7111

NC FIRM LICENSE NO. F-0159

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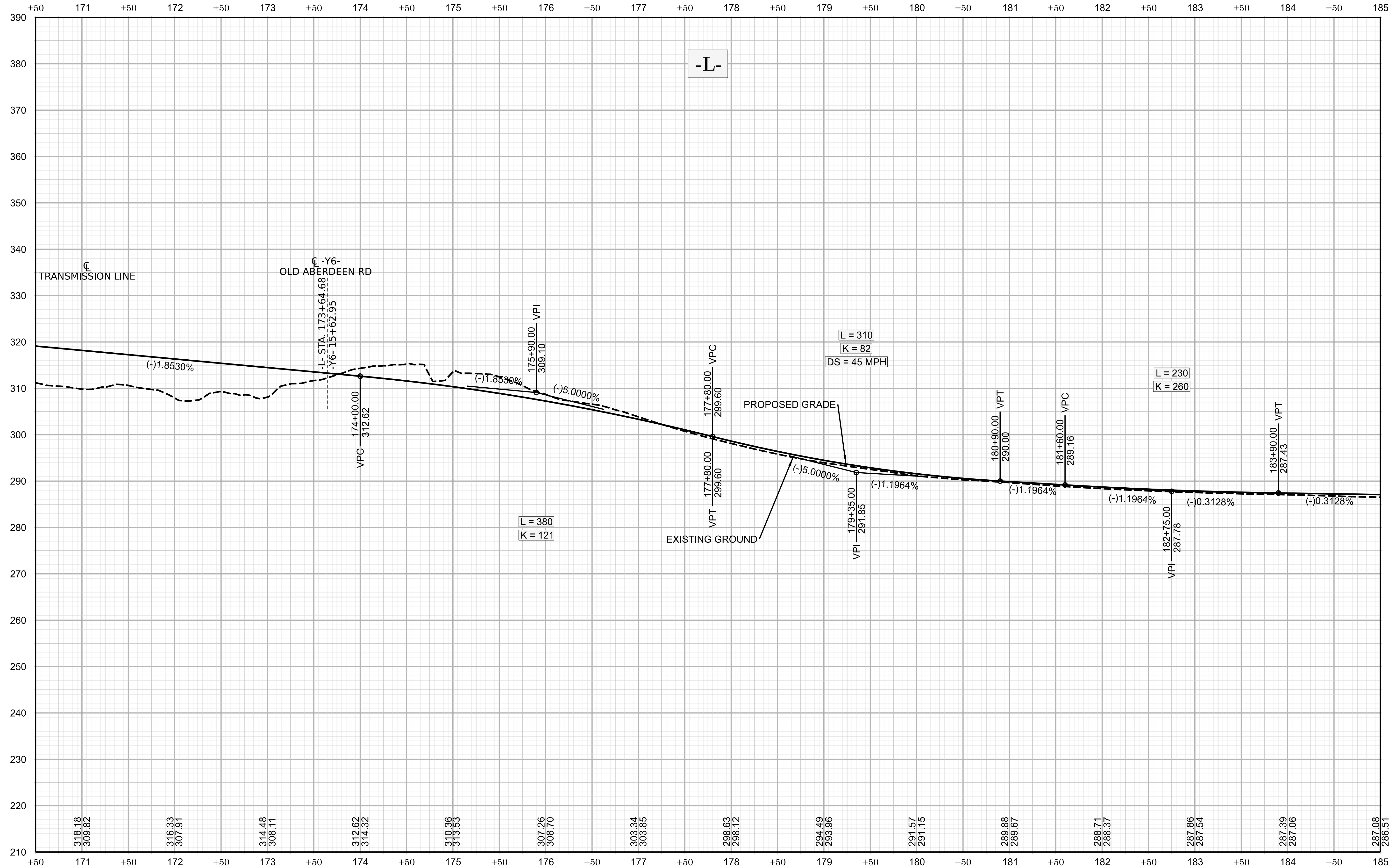
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REVISIONS



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2R0137

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ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

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SUITE 202

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NC FIRM LICENSE NO. F-0159

PREPARED BY

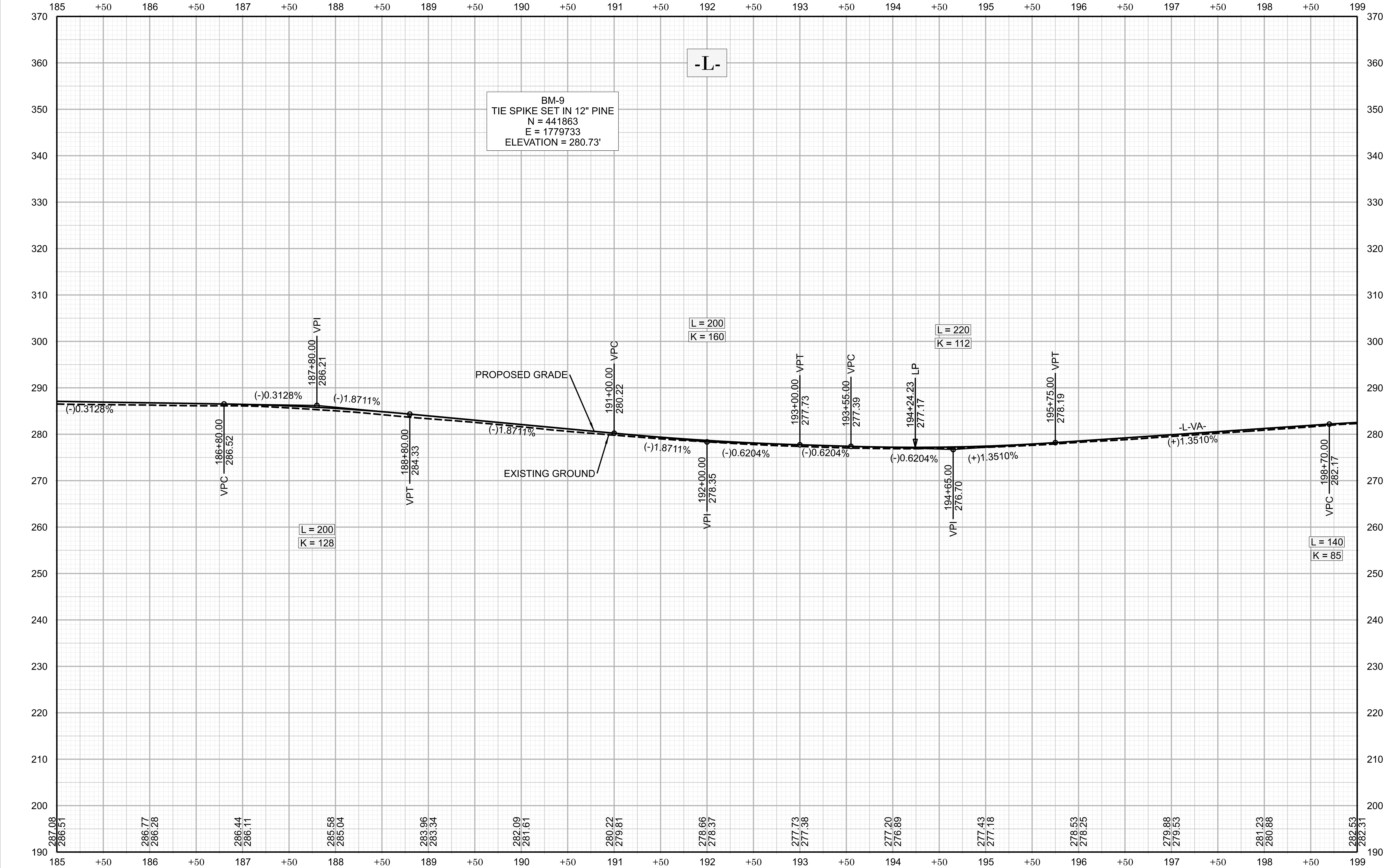
SUNGATE DESIGN GROUP, P.A.

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RALEIGH, NC 27606

(919) 859-2243

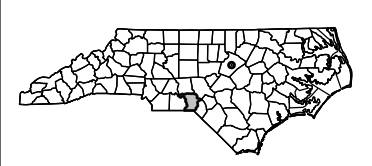
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2R01 38

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RICHMOND COUNTY



ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

INCOMPLETE PLANS

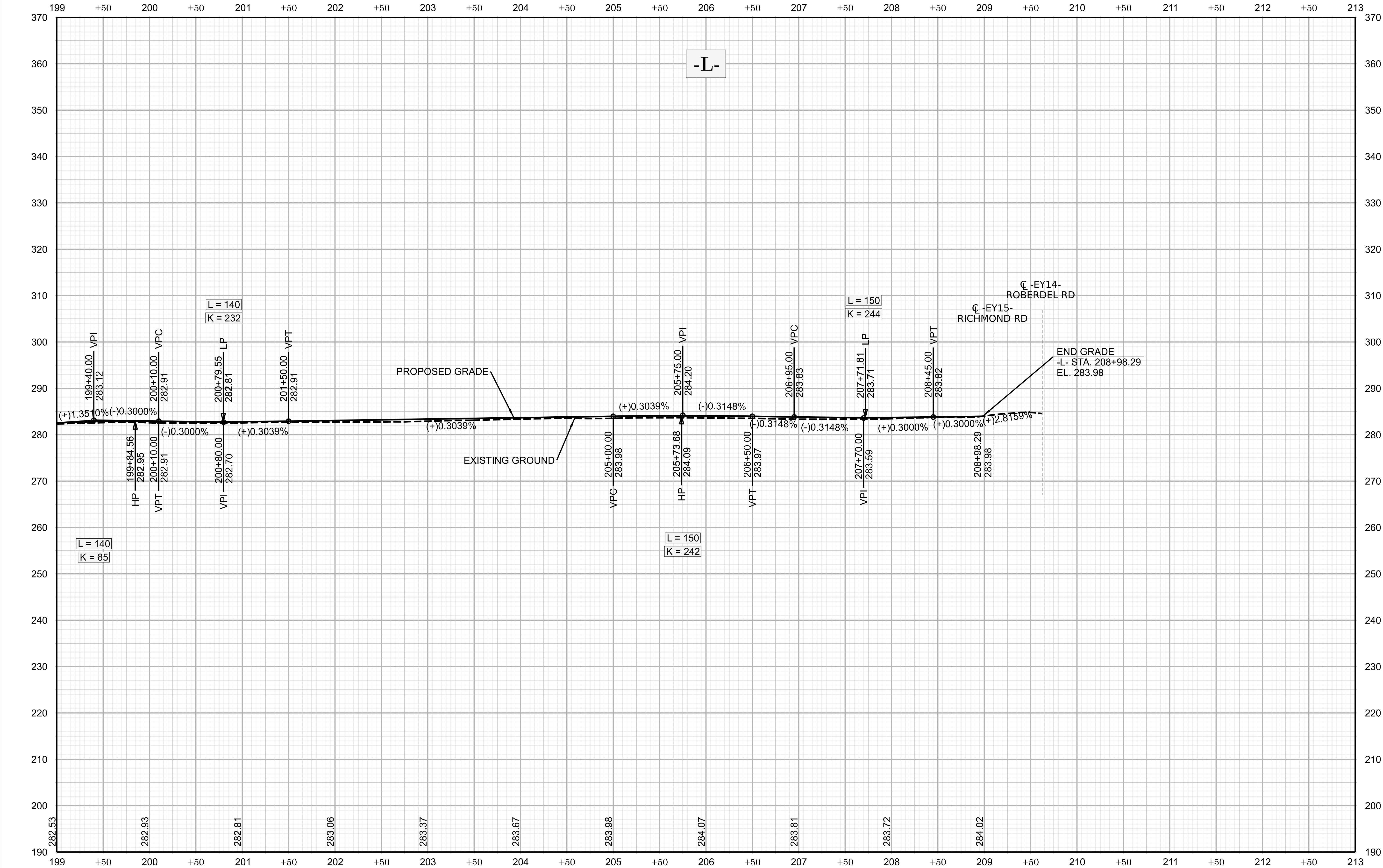
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905 JONES FRANKLIN ROAD
RALEIGH, NC 27606
(919) 859-2243
NC FIRM LICENSE NO. C-890

REVISIONS

FOR L- PLAN, SEE SHEET 17



FOR L- PLAN, SEE SHEET 18

U-5706

2R0139

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RICHMOND COUNTY

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

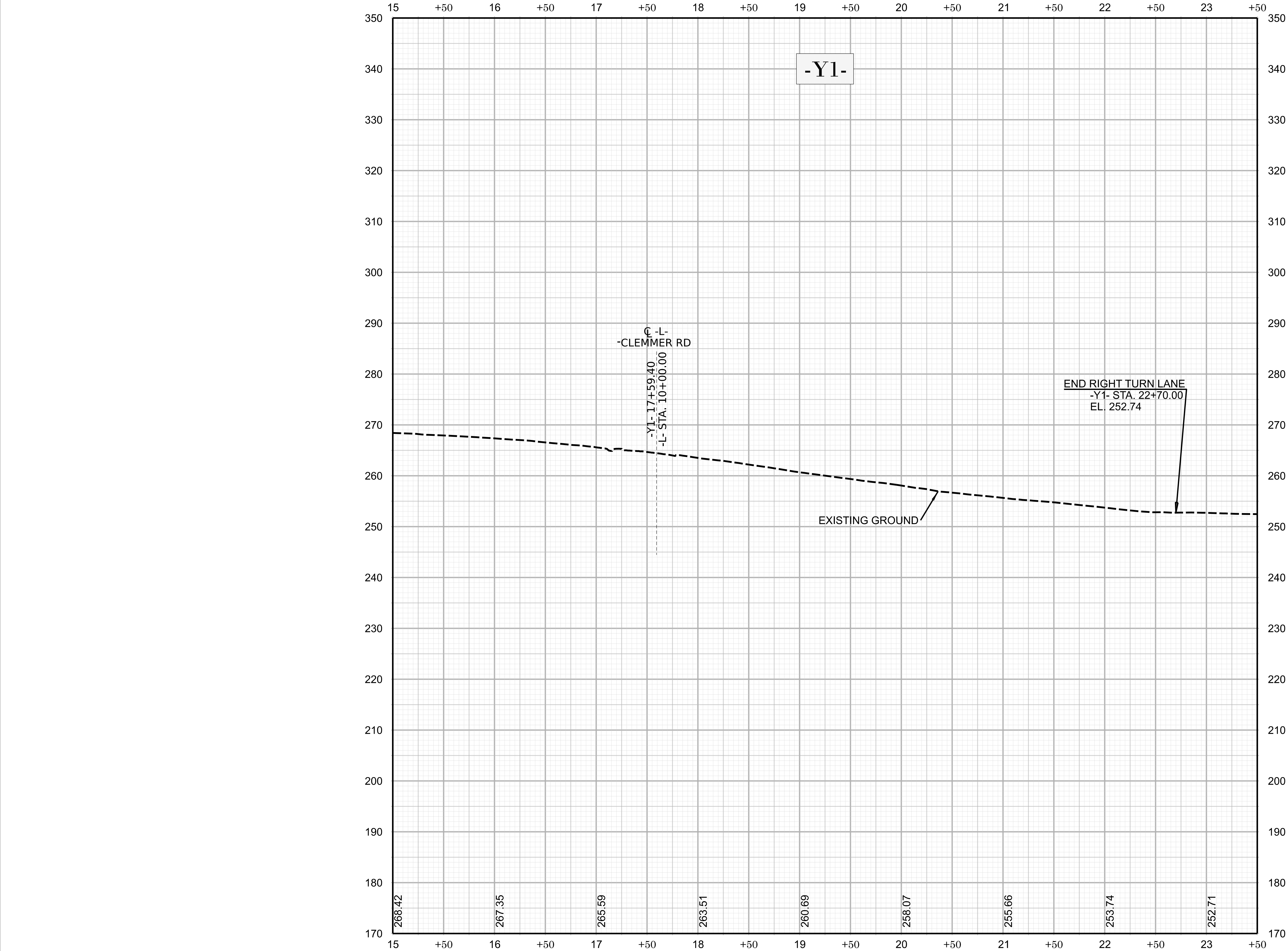
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905 JONES FRANKLIN ROAD
RALEIGH, NC 27606
(919) 859-2243
NC FIRM LICENSE NO. C-890

REVISIONS



[FOR -Y1- PLAN, SEE SHEET 04]

U-5706

2R01 | 40

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RICHMOND COUNTY



ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

HYDRAULICS
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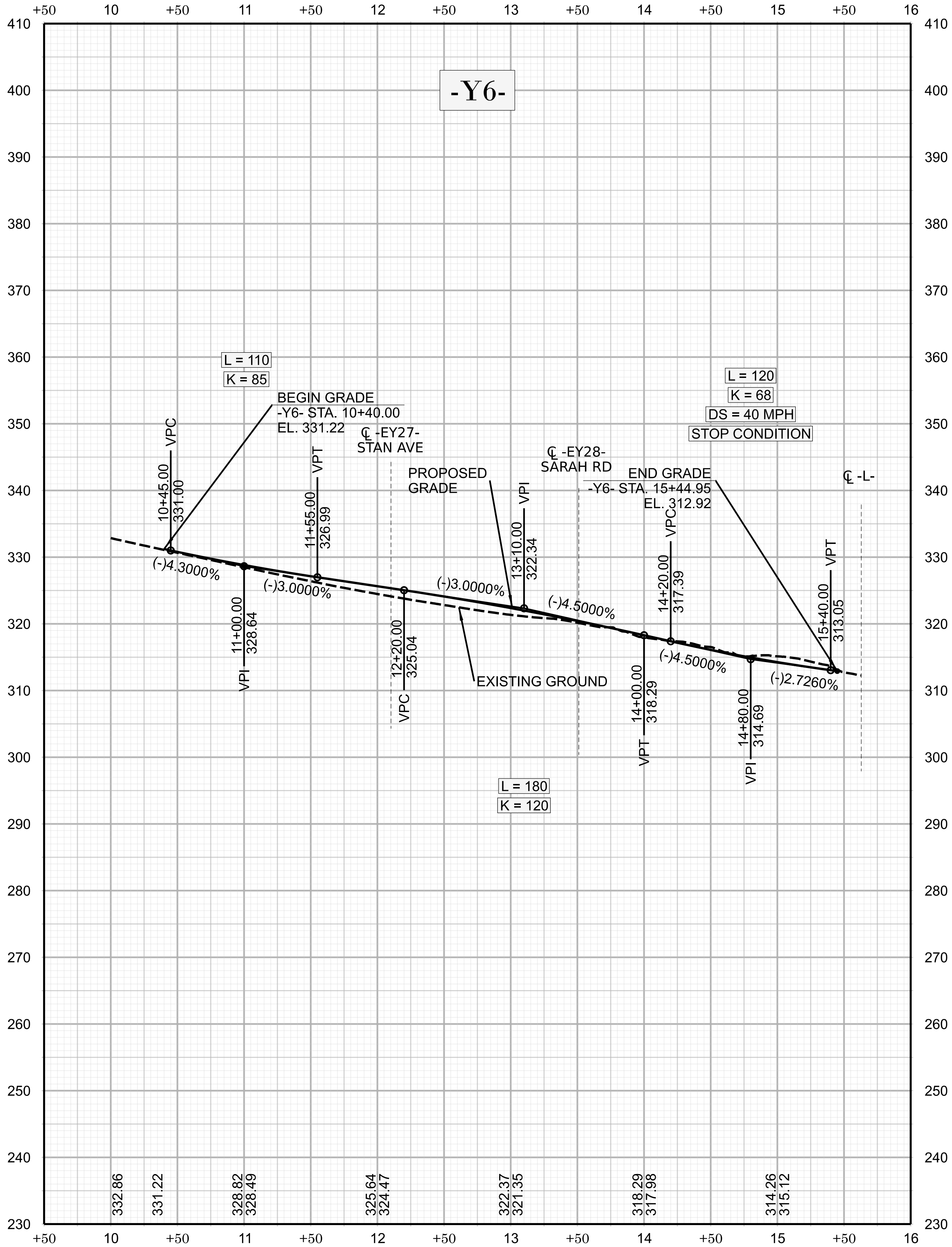
PREPARED BY


H.W. LOCHNER, INC.
2840 PLAZA PLACE,
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REVISIONS



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REVISIONS

FOR -Y6- PLAN, SEE SHEET 18