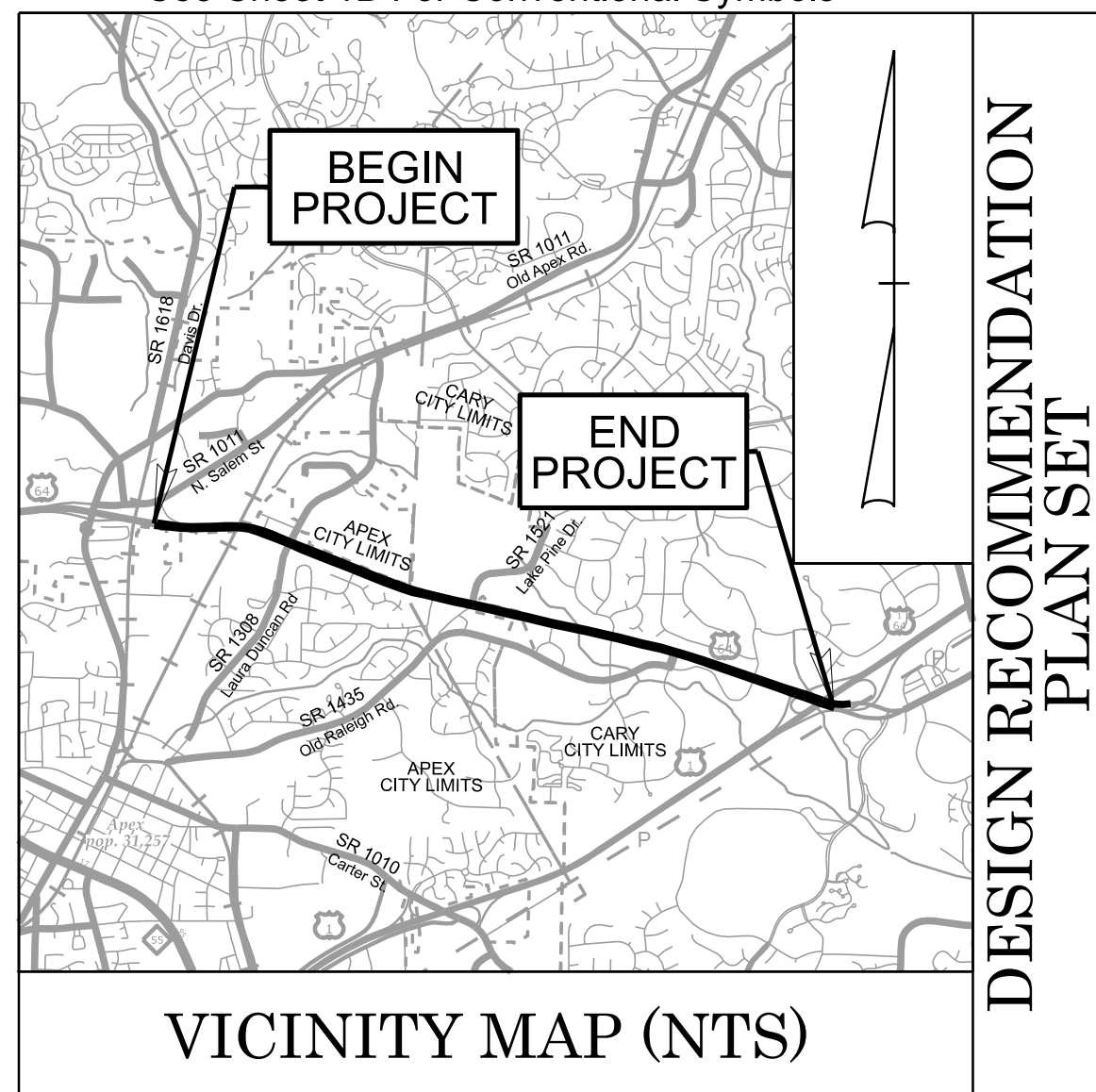


TIP PROJECT: U-5301

CONTRACT:

See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Symbols



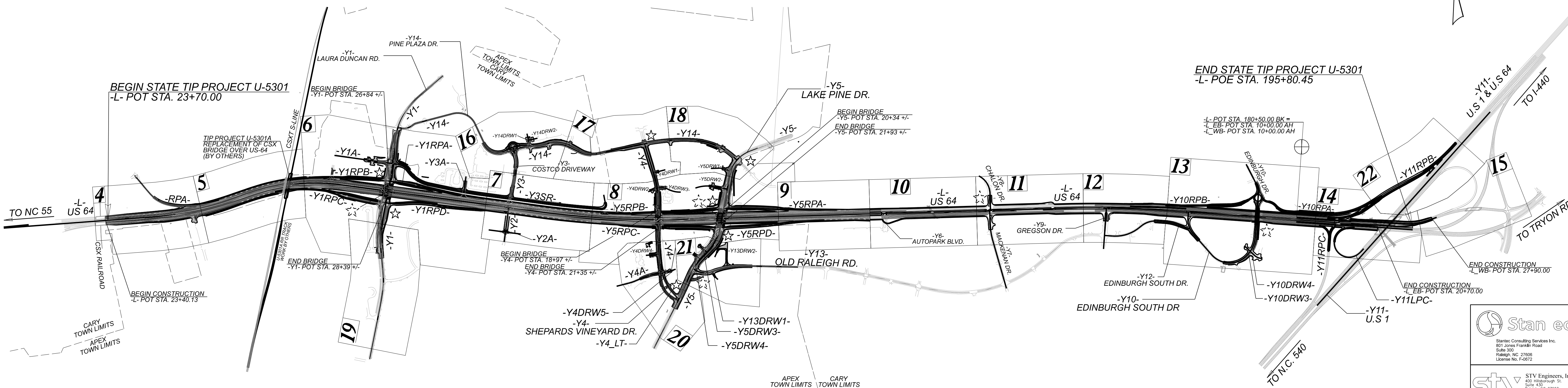
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

WAKE COUNTY

LOCATION: *APEX/CARY - US 64 FROM WEST OF SR 1308 (LAURA DUNCAN RD) TO US 1*
TYPE OF WORK: *GRADING, DRAINAGE, PAVING, STRUCTURES, RETAINING WALLS, AND CULVERTS*

30% REDLINE DRAINAGE PLANS - 6/30/2026

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5301	11	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
47018.1.7	NHS-0064 (141)	PE	
47018.2.0	N/A	R/W, UTIL.	



THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF APEX AND CARY.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
THIS IS A CONTROLLED ACCESS PROJECT FROM PROJECT BEGINNING UP TO STA. 126+00.00, WITH ACCESS BEING LIMITED TO INTERCHANGES.
THE REMAINDER IS A SUPERSTREET PROJECT, WITH LIMITED ACCESS BEING LIMITED TO INTERCHANGES AND INTERSECTIONS THAT ARE NON-DISRUPTIVE TO FLOW

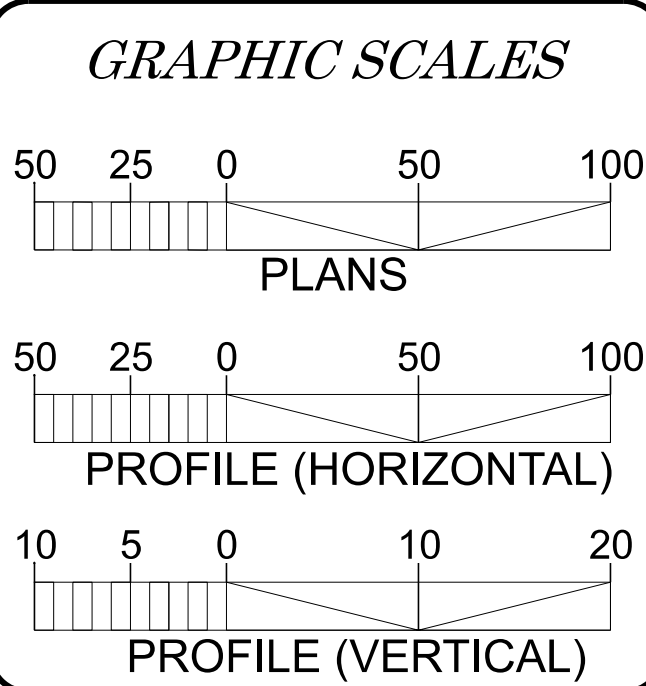
- ★ PROPOSED TRAFFIC SIGNAL
- ☆ EXISTING TRAFFIC SIGNAL

Stan ec
Stantec Consulting Services Inc.
871 Jones Franklin Road
Suite 300
Raleigh, NC 27605
License No. F-0672

STV
STV Engineers, Inc.
400 Hargett Street
Suite 425
Raleigh, NC 27603
NC License Number F-0991

SUNGATE
DESIGN GROUP
5400 Elex Bunker Ct., STE. 100 Raleigh, North Carolina 27606
Phone: (919) 859-2243 Fax: (919) 859-2244

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2031 =	61,320
ADT 2051 =	78,880
K =	8 %
D =	55 %
T =	5 % *
V =	60 MPH
* TTST =	2% DUAL 3%
FUNC CLASS =	PRINCIPAL ARTERIAL STATEWIDE TIER

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT U-5301 =	3.260 MILES
LENGTH OF STRUCTURE TIP PROJECT U-5301 =	0.000 MILE
TOTAL LENGTH OF TIP PROJECT U-5301 =	3.259 MILES

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
OCTOBER 01, 2027

LETTING DATE:
APRIL 15, 2031

KATRINA N. HAZEL, PE
DESIGN PROJECT MANAGER (STV)

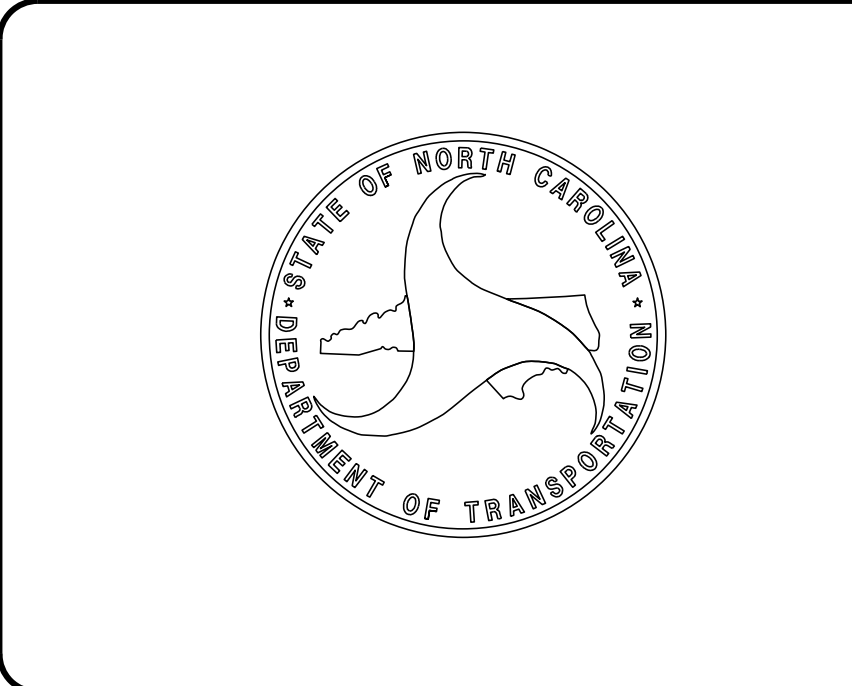
SARA S. LOUKILI, PE
DESIGN PROJECT MANAGER (STANTEC)

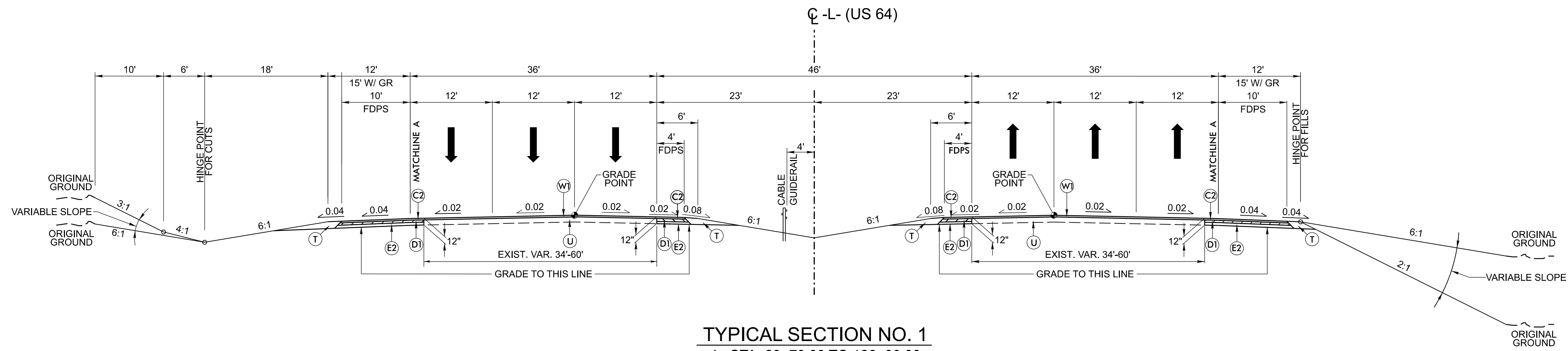
JOEL PERLIN
NCDOT CONTACT

HYDRAULICS ENGINEER

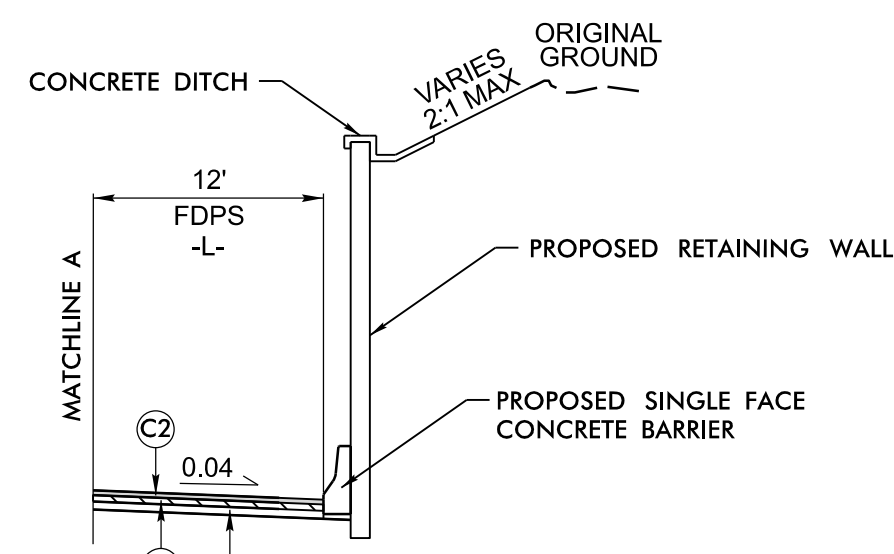
P.E.
SIGNATURE:
ROADWAY DESIGN ENGINEER

P.E.
SIGNATURE:

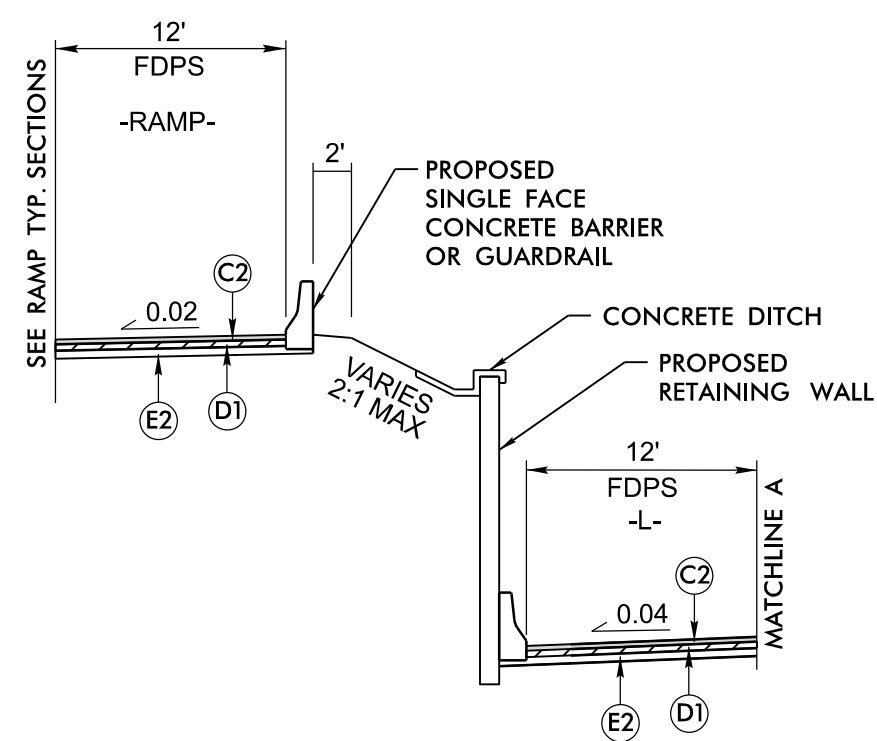




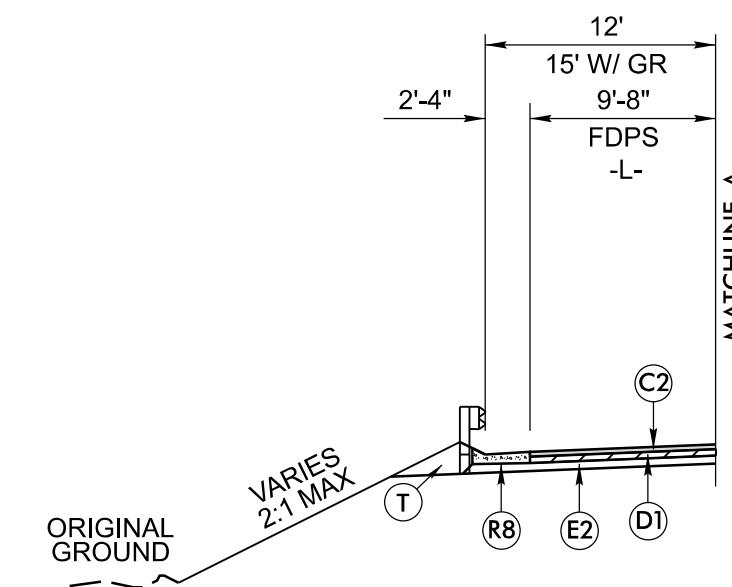
TYPICAL SECTION NO. 1
-L- STA. 23+70.00 TO 126+00.00



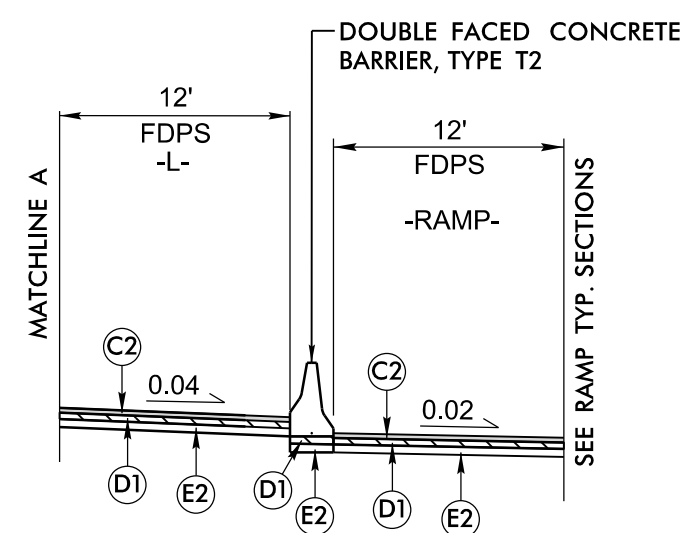
PARTIAL TYPICAL SECTION 1A
-L- STA. 36+46.69 TO 46+45.00 (RT)



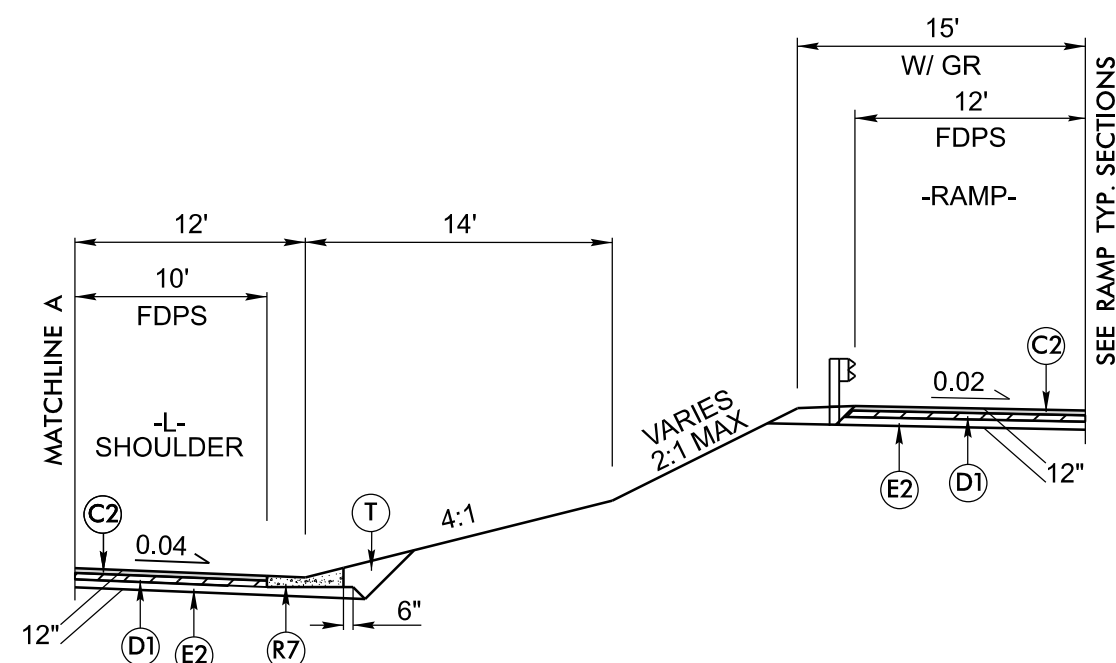
PARTIAL TYPICAL SECTION 1B
-L- STA. 54+61.51 TO 65+91.54 (LT)
-L- STA. 59+86.78 TO 66+56.99 (RT)
-L- STA. 98+82.91 TO 111+60.00 (LT)
-L- STA. 97+46.80 TO 112+37.44 (RT)



PARTIAL TYPICAL SECTION 1C
-L- STA. 73+70.00 TO 89+14.25 (LT)



PARTIAL TYPICAL SECTION 1D
-L- STA. 66+56.99 TO 67+71.41 (RT)
-L- STA. 97+26.78 TO 98+82.91 (LT)

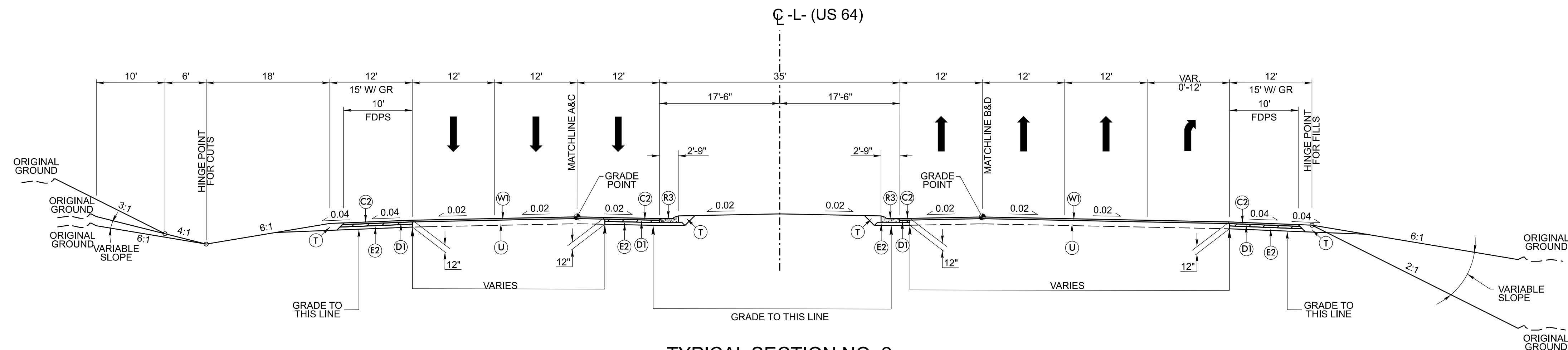


PARTIAL TYPICAL SECTION NO. 1E
-L- STA. 53+84.33 TO 59+86.78 (RT)

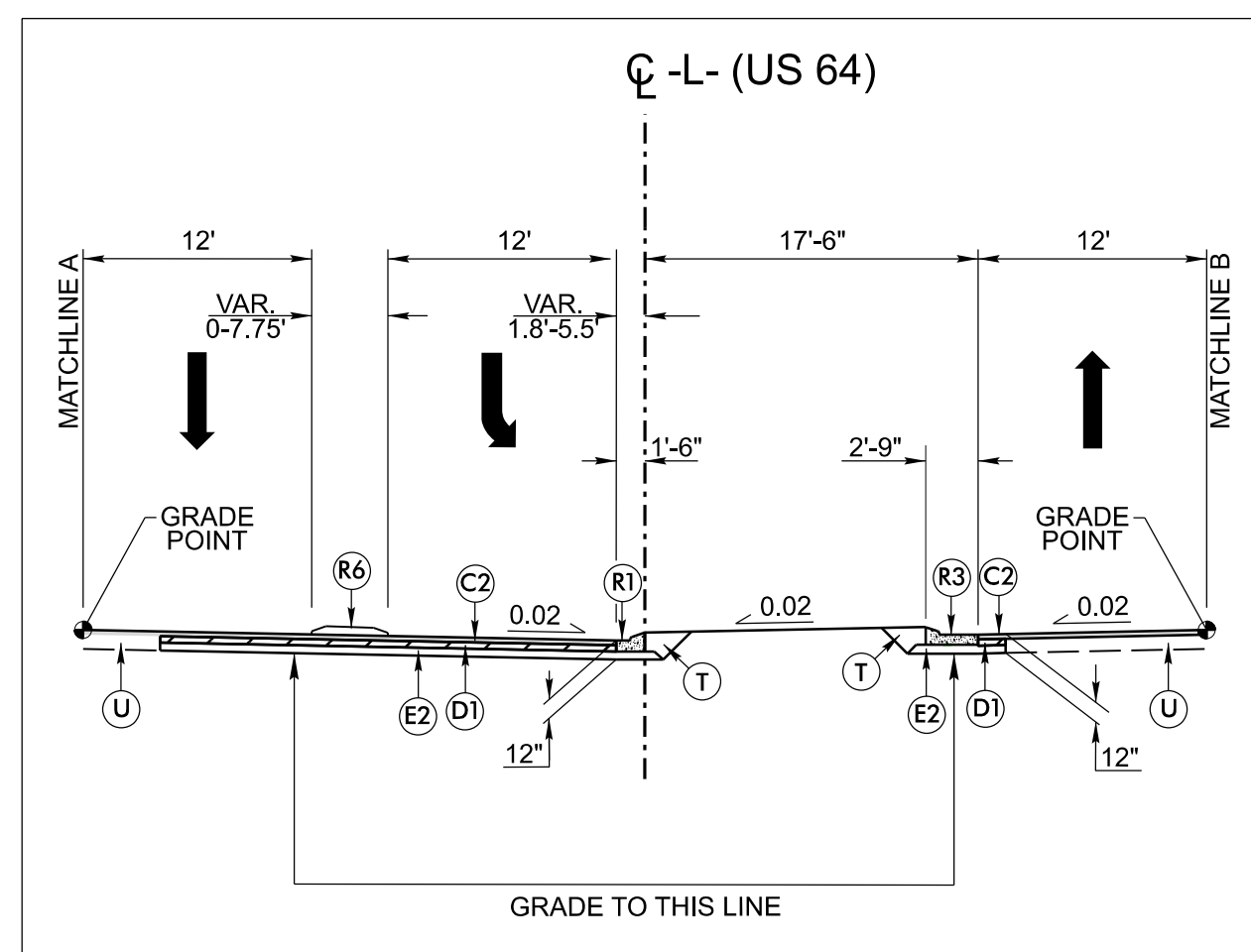
- NOTES:
1. ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.
 2. TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY. SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS / ROUNDABOUT.
 3. SEE PLANS FOR EXACT CONCRETE CURB & ISLAND LOCATIONS.
 4. SEE PLANS FOR SIDEWALK LOCATIONS.

PAVEMENT SCHEDULE (ASSUMED PAVEMENT DESIGN)		U-5301	
A1	10" TRUCK APRON	DRPS	2A-2
A2	6" P.C.C.P.	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WAKE COUNTY	
C1	1.5" S9.5C	ROADWAY DESIGN UNIT ROADWAY DESIGN ENGINEER	
C2	3" S9.5C	HYDRAULICS ENGINEER	
C3	VAR. S9.5C	PREPARED BY	
D1	4" I19.0C	Stantec	
D2	VAR. I19.0C	Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672	
E1	4" B25.0C	STV Engineers, Inc. 405 Westborough St. Suite 430 Raleigh, NC 27603 NC License Number F-0991	
E2	5" B25.0C	SUNGATE 315 S. G. L. B. 3800 E. Duke Ct., Ste. 100, Raleigh, North Carolina 27604 Phone: (919) 829-2243 - Eng. Firm License No. C-859	
E3	VAR. B25.0C	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
J	8" ABC	INCOMPLETE PLANS DO NOT USE FOR B. W. ACQUISITION	
R1	1'-6" C & G	REVISIONS	
R2	2'-6" C & G		
R3	2'-9" C & G		
R4	8"x18" CURB		
R5	MODIFIED VALLEY GUTTER		
R6	5" MCI		
R7	EXPRESSWAY GUTTER		
R8	SHOULDER BERM GUTTER		
S	4" SIDEWALK		
T	EARTH MATERIAL		
U	EXIST. PAVEMENT		
V	3" MILLING		
W1	WEDGING		
W2	WEDGING		

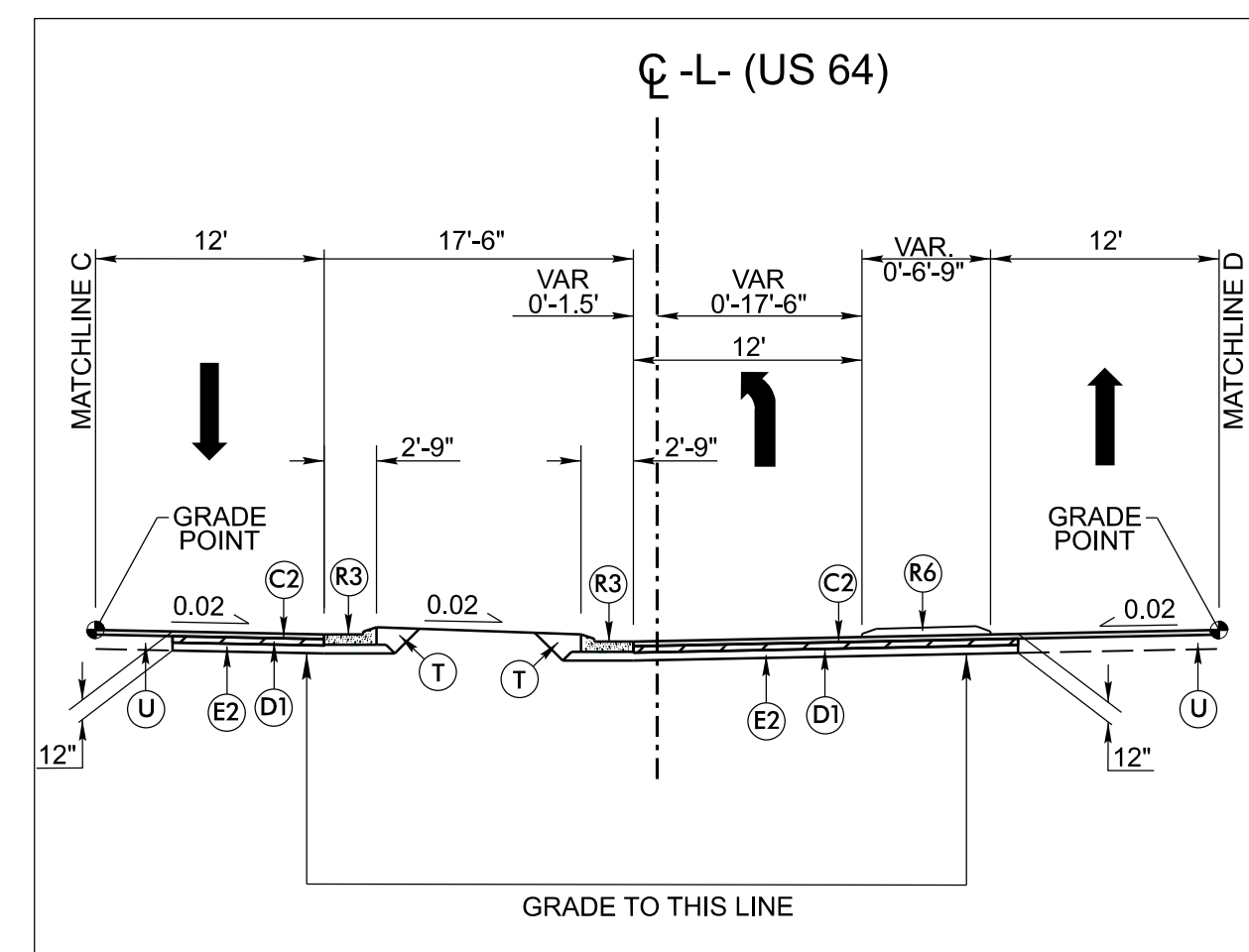
TRANSITION FROM T.S. NO. 1 TO T.S. NO. 2
 -L- STA. 126+00.00 TO 129+30.00



TYPICAL SECTION NO. 2
 -L- STA. 129+30.00 TO 180+50.00



PARTIAL TYPICAL SECTION 2A
 -L- STA. 126+45.00 TO 132+48.43
 -L- STA. 140+48.01 TO 142+75.00
 -L- STA. 142+75.00 TO 148+31.66 (MIRRORED)



PARTIAL TYPICAL SECTION 2B
 -L- STA. 134+25.00 TO 139+90.54
 -L- STA. 155+64.64 TO 166+00.00 (MIRRORED)
 -L- STA. 166+58.42 TO 174+25.00

PAVEMENT SCHEDULE (ASSUMED PAVEMENT DESIGN)	
A1	10" TRUCK APRON
A2	6" P.C.C.P.
C1	1.5" S9.5C
C2	3" S9.5C
C3	VAR. S9.5C
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	1'-6" C & G
R2	2'-6" C & G
R3	2'-9" C & G
R4	8"x18" CURB
R5	MODIFIED VALLEY GUTTER
R6	5" MCI
R7	EXPRESSWAY GUTTER
R8	SHOULDER BERM GUTTER
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
W2	WEDGING

U-5301
DRPS 2A-3
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WAKE COUNTY

ROADWAY DESIGN UNIT
 ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY
Stantec
 Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. (919) 851-6866
 Fax. (919) 851-7024
 www.stantec.com
 License No. F-0672

STV Engineers, Inc.
 405 Hargett Street, Suite 400
 Raleigh, NC 27603
 NC License Number F-0991

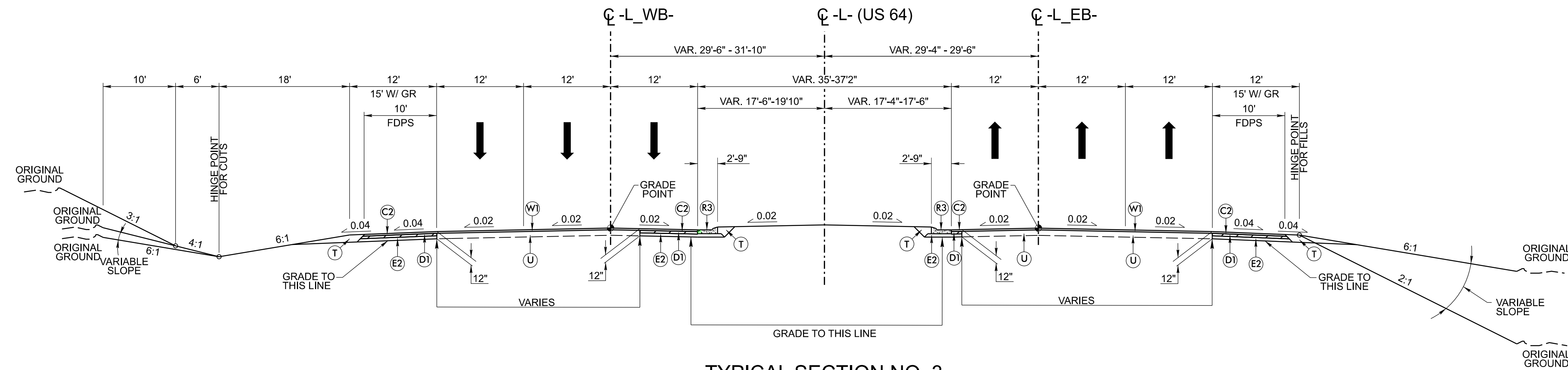
SUNGATE
 DESIGN GROUP
 5805 E. Duke Cl. Ste. 100 - Raleigh, North Carolina 27606
 Phone: (919) 829-2243 - Fax: (919) 829-2244
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DOCUMENT NOT CONSIDERED FINAL
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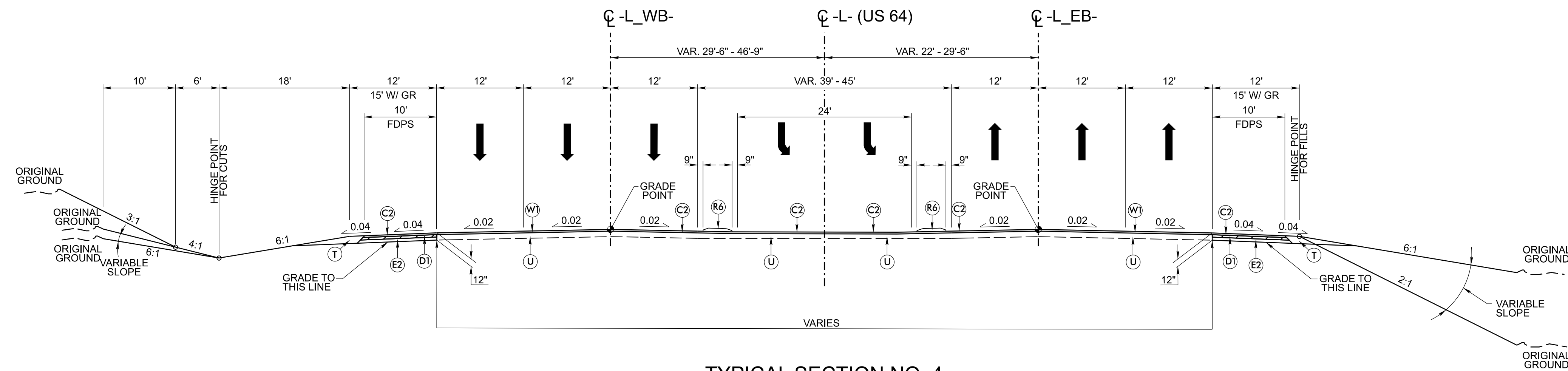
INCOMPLETE PLANS
 DO NOT USE FOR R.F. ACQUISITION

REVISIONS

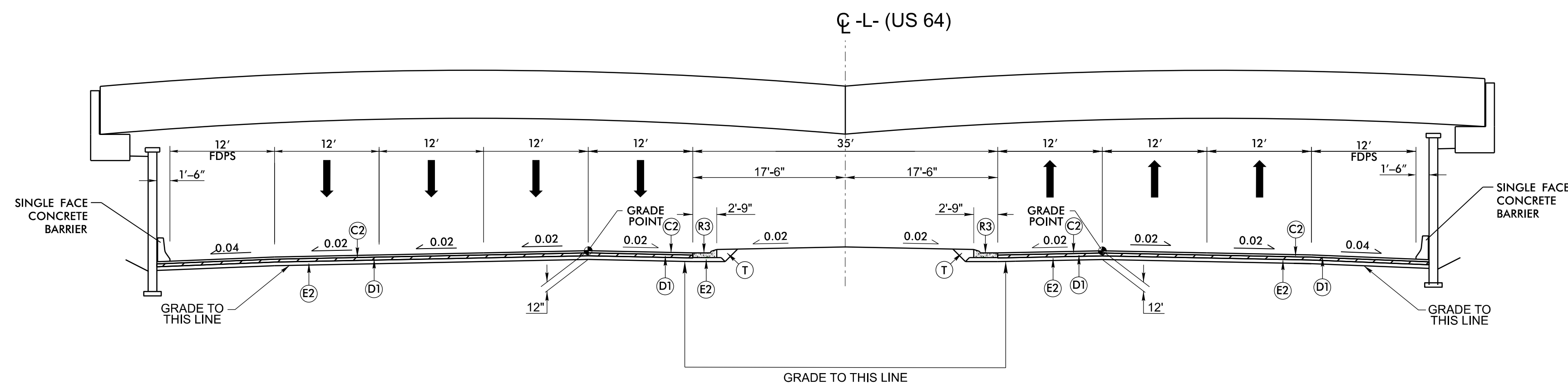
- NOTES:
1. ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.
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TYPICAL SECTION NO. 3
-L- STA. 180+50.00 TO 185+50.00



TYPICAL SECTION NO. 4
-L- STA. 185+50.00 TO 193+50.00

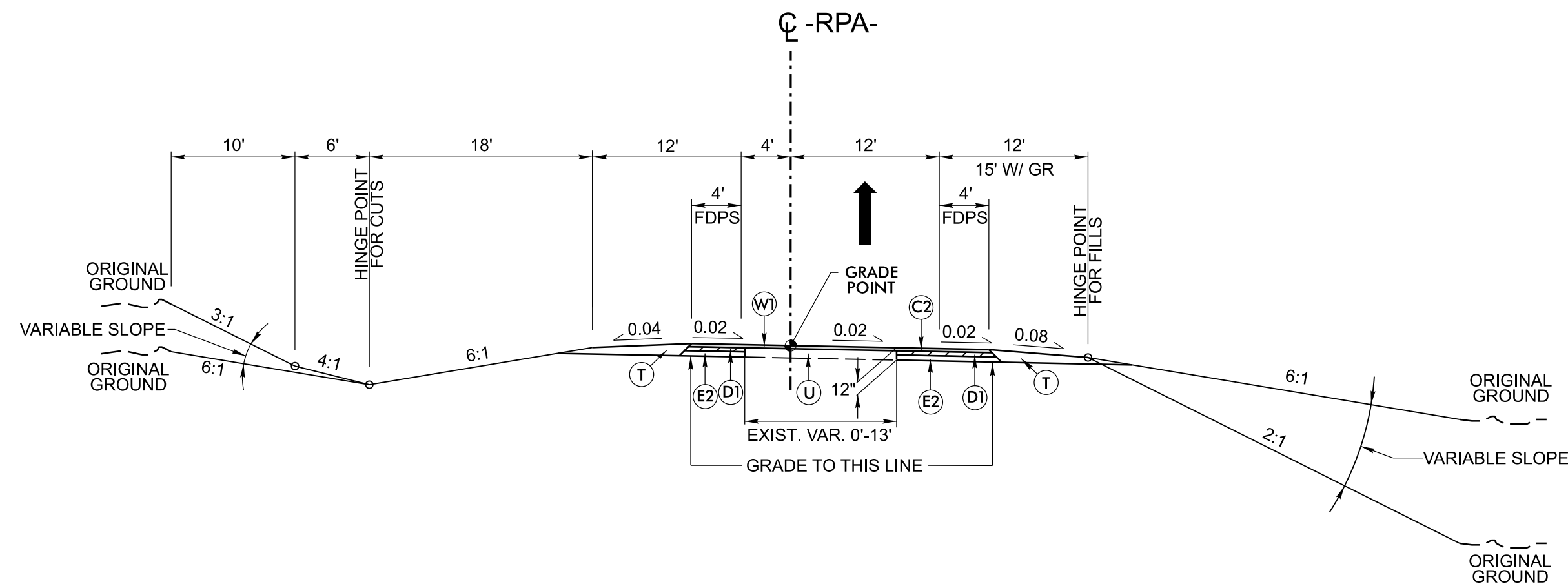


TYPICAL SECTION NO. 5
-L- (US 64) APPROACHING -Y10- (EDINBURGH DR) OVERHEAD STRUCTURE

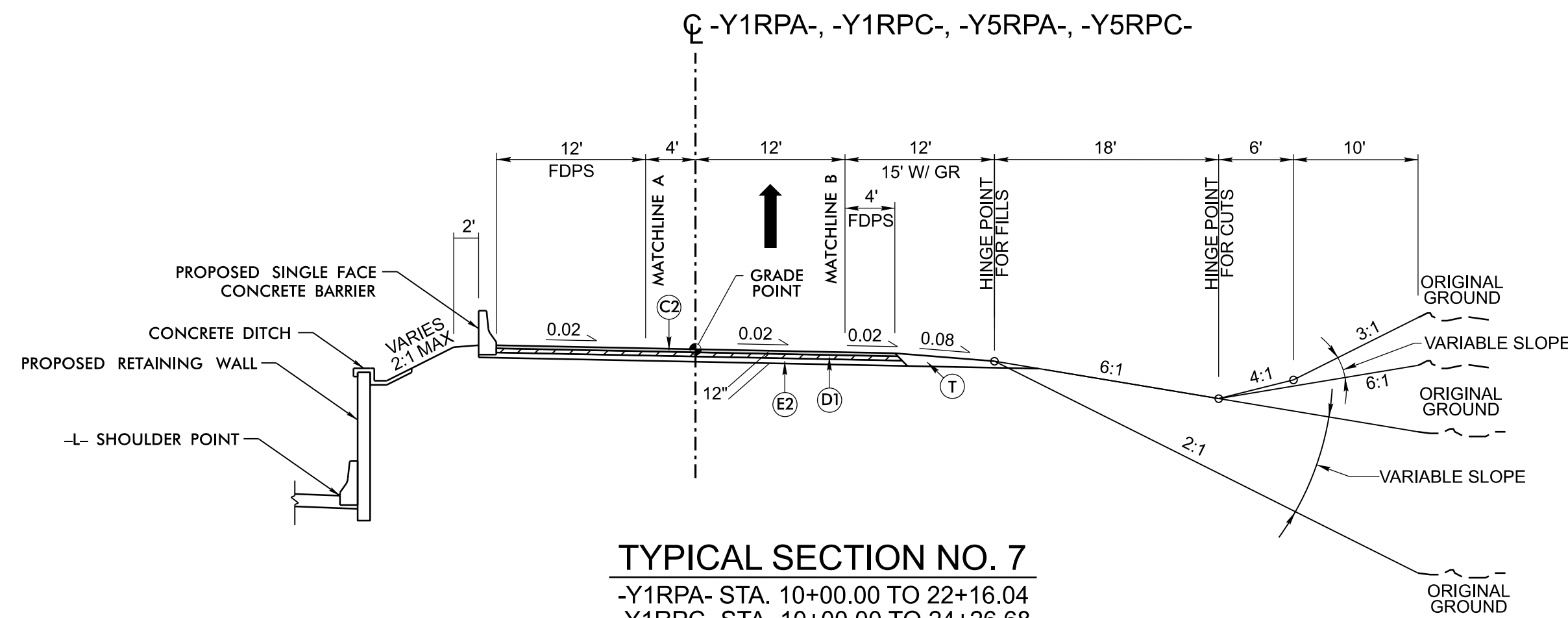
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A2	6" P.C.C.P.	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WAKE COUNTY
C1	1.5" S9.5C	ROADWAY DESIGN UNIT ROADWAY DESIGN ENGINEER
C2	3" S9.5C	
C3	VAR. S9.5C	
D1	4" I19.0C	
D2	VAR. I19.0C	
E1	4" B25.0C	
E2	5" B25.0C	
E3	VAR. B25.0C	HYDRAULICS ENGINEER
J	8" ABC	
R1	1'-6" C & G	
R2	2'-6" C & G	
R3	2'-9" C & G	
R4	8"x18" CURB	PREPARED BY Stantec
R5	MODIFIED VALLEY GUTTER	Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672
R6	5" MCI	
R7	EXPRESSWAY GUTTER	
R8	SHOULDER BERM GUTTER	STV Engineers, Inc. 405 Westborough St. Suite 400 Raleigh, NC 27603 NC License Number F-0991
S	4" SIDEWALK	SUNGATE SUNGATE CONSULTING GROUP 3840 E. Duke Ct., Ste. 100, Raleigh, North Carolina 27604 Phone: (919) 829-2242 - Eng. Firm License No. C-899
T	EARTH MATERIAL	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
U	EXIST. PAVEMENT	INCOMPLETE PLANS DO NOT USE FOR R.W. ACQUISITION
V	3" MILLING	
W1	WEDGING	
W2	WEDGING	

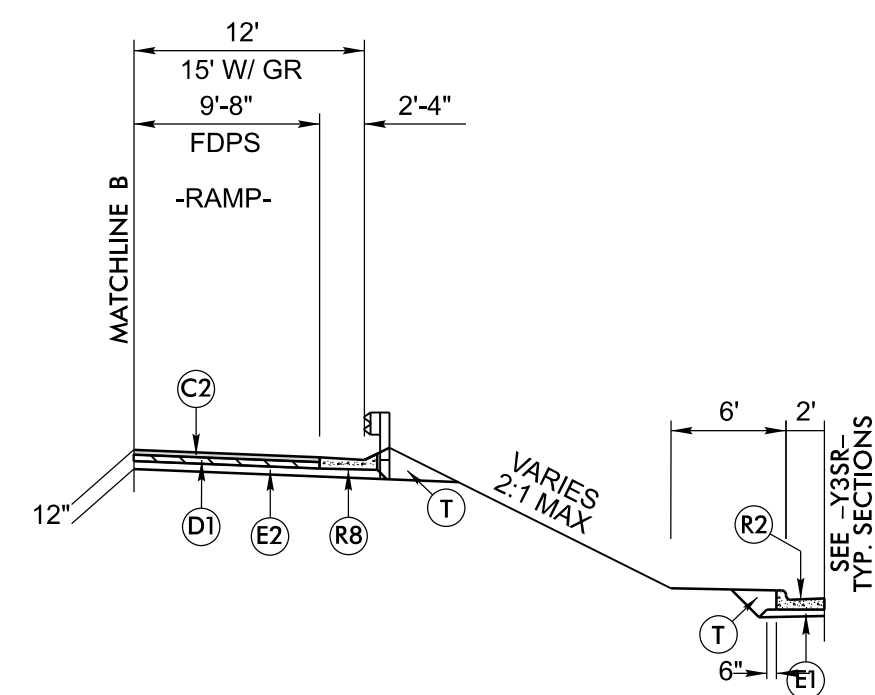
REVISIONS



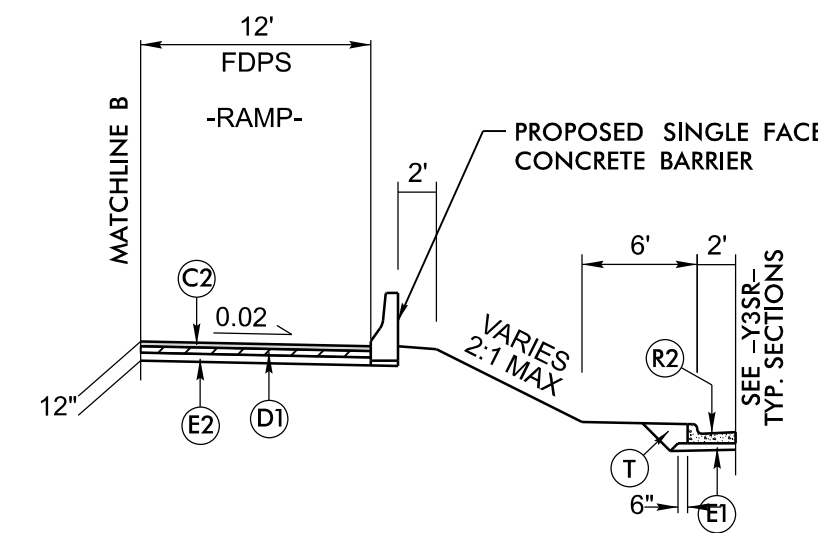
TYPICAL SECTION NO. 6
-RPA- STA. 10+00.00 TO 19+00.00



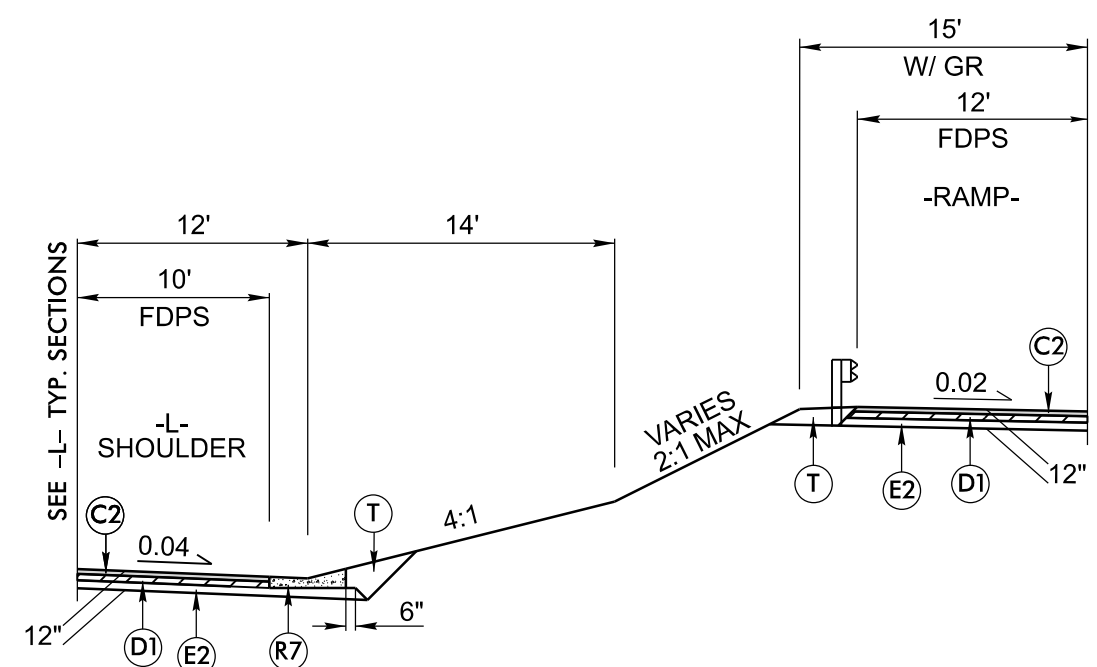
TYPICAL SECTION NO. 7
-Y1RPA- STA. 10+00.00 TO 22+16.04
-Y1RPC- STA. 10+00.00 TO 24+26.68
-Y5RPA- STA. 10+00.00 TO 24+47.48
-Y5RPC- STA. 10+00.00 TO 25+14.69



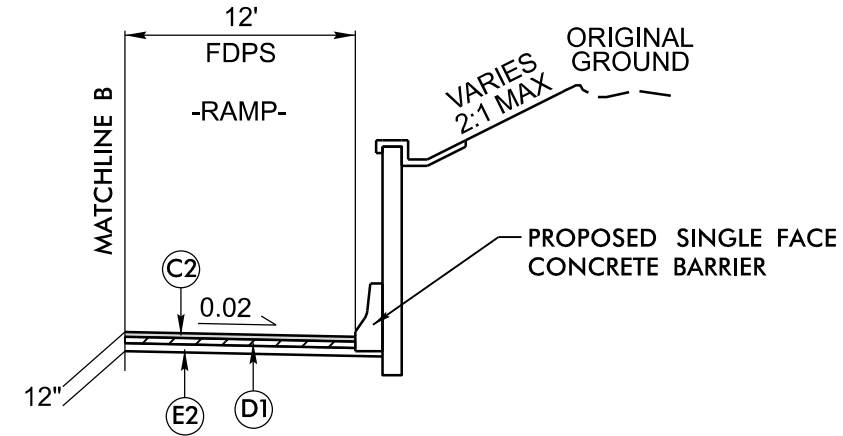
PARTIAL TYPICAL SECTION NO. 7A
-Y1RPA- STA. 10+00.00 TO 15+30.00 (RT)
-Y1RPA- STA. 18+60.00 TO 20+00.00 (RT)



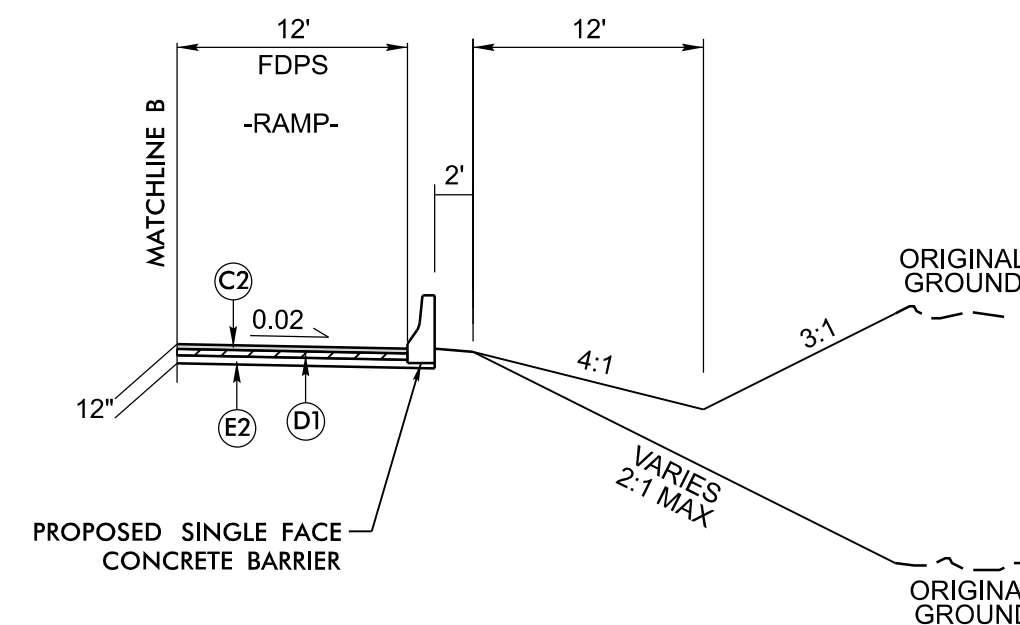
PARTIAL TYPICAL SECTION NO. 7B
-Y1RPA- STA. 15+30.00 TO 18+60.00 (RT)



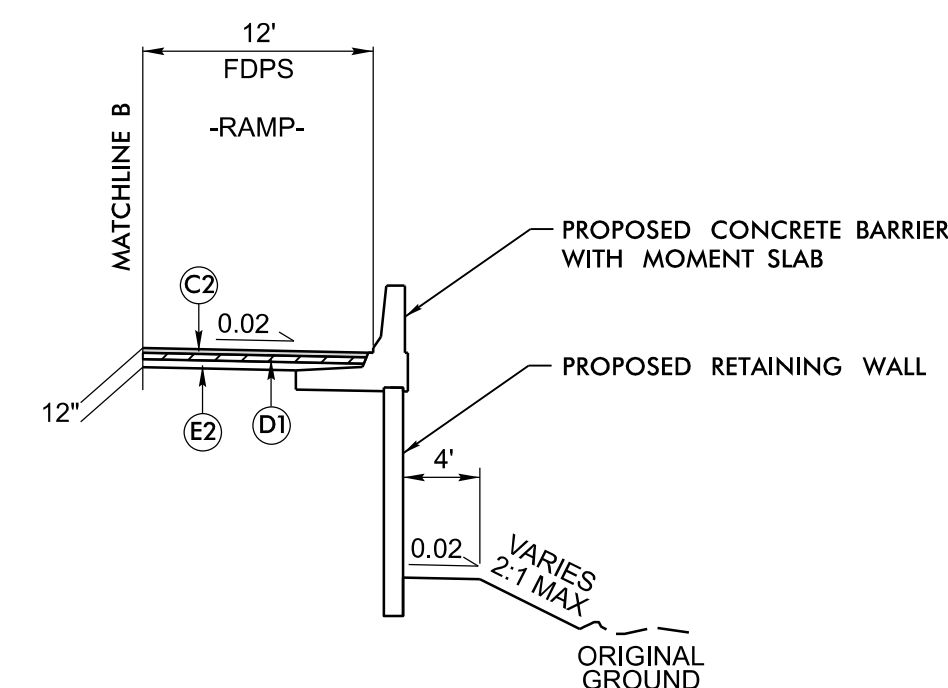
PARTIAL TYPICAL SECTION NO. 7C
-Y1RPC- STA. 17+60.38 TO 23+60.91 (LT)



PARTIAL TYPICAL SECTION NO. 7D
-Y1RPC- STA. 18+50.00 TO 20+85.24 (RT)
-Y5RPC- STA. 16+70.59 TO 18+15.00 (RT)



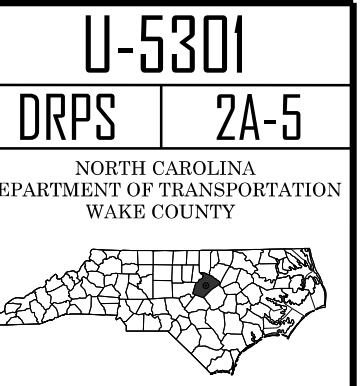
PARTIAL TYPICAL SECTION NO. 7E
-Y5RPC- STA. 18+15.00 TO 19+75.00 (RT)



PARTIAL TYPICAL SECTION NO. 7F
-Y5RPC- STA. 19+75.00 TO 24+14.27 (RT)

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D2	VAR. I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
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R7	EXPRESSWAY GUTTER
R8	SHOULDER BERM GUTTER
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T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
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ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY



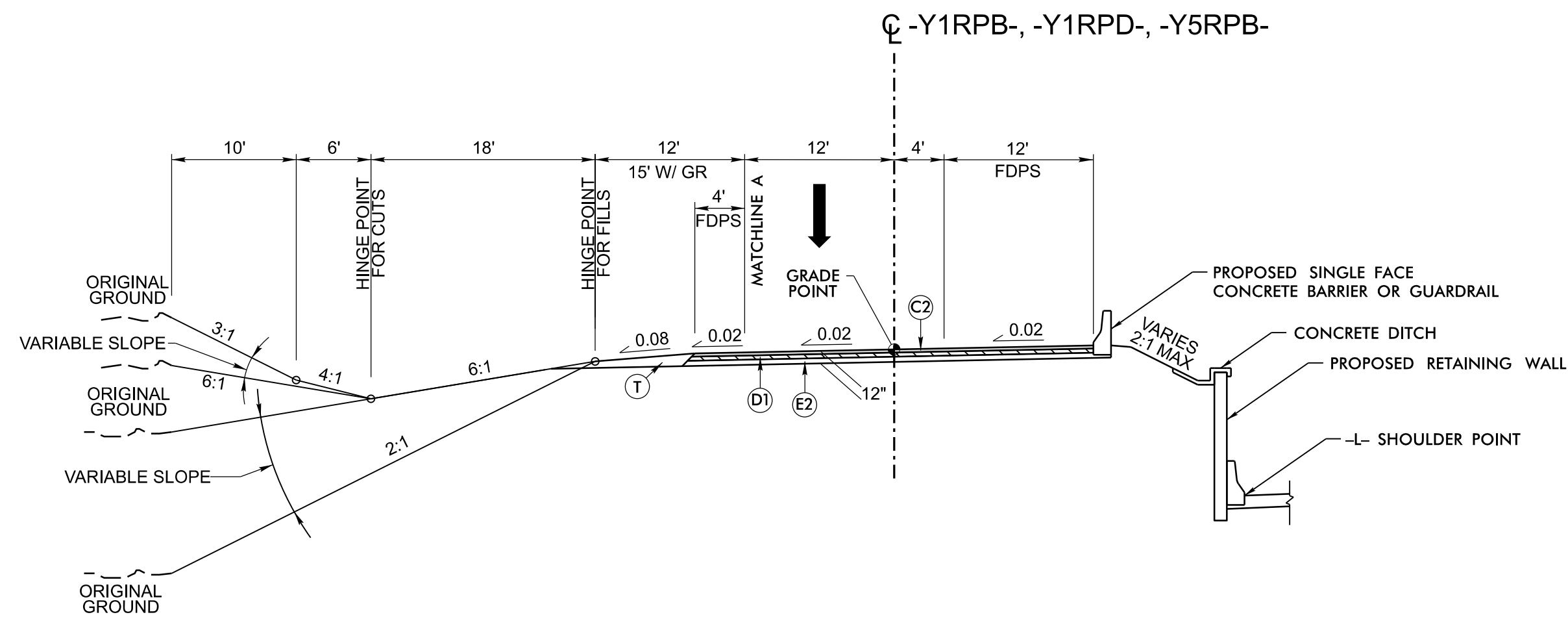
Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672



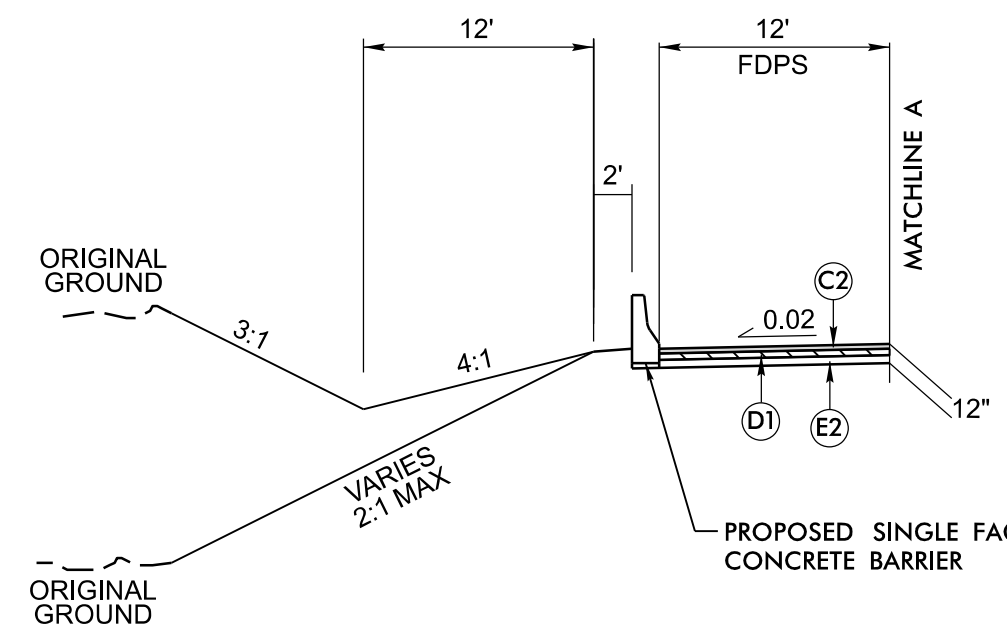
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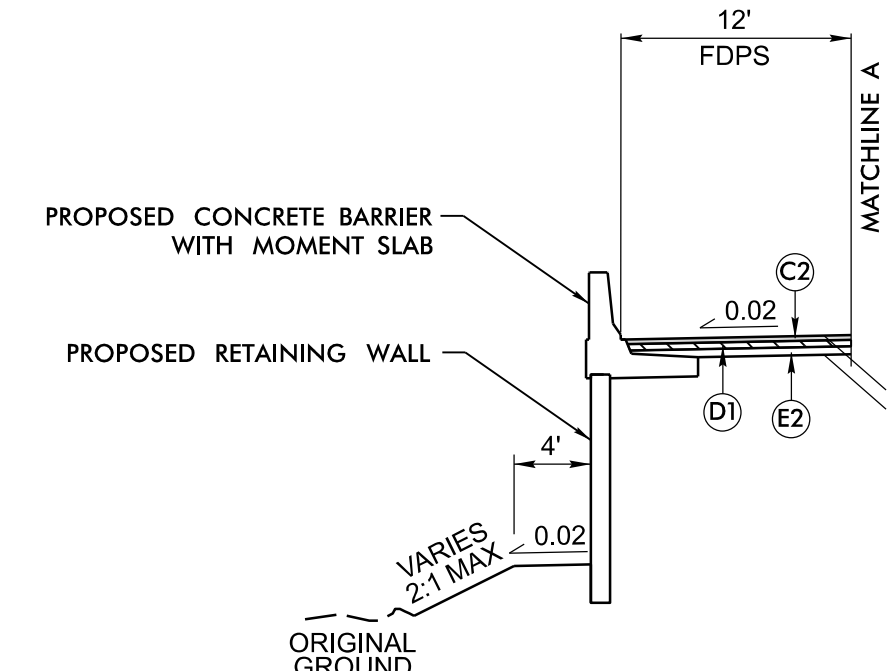
REVISIONS



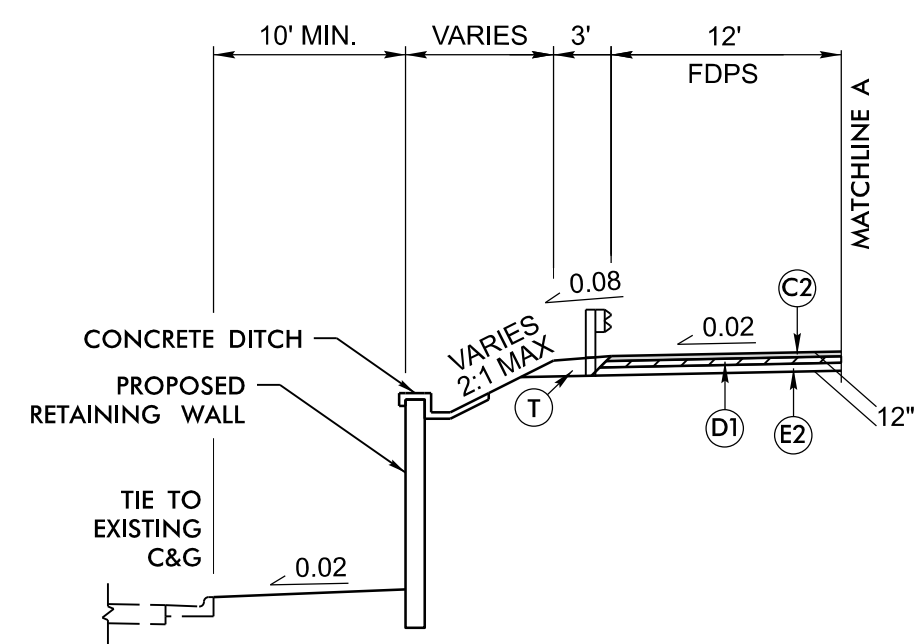
TYPICAL SECTION NO. 8
 -Y1RPB- STA. 10+00.00 TO 22+32.42
 -Y1RPD- STA. 10+00.00 TO 25+64.48
 -Y5RPB- STA. 10+00.00 TO 25+48.75



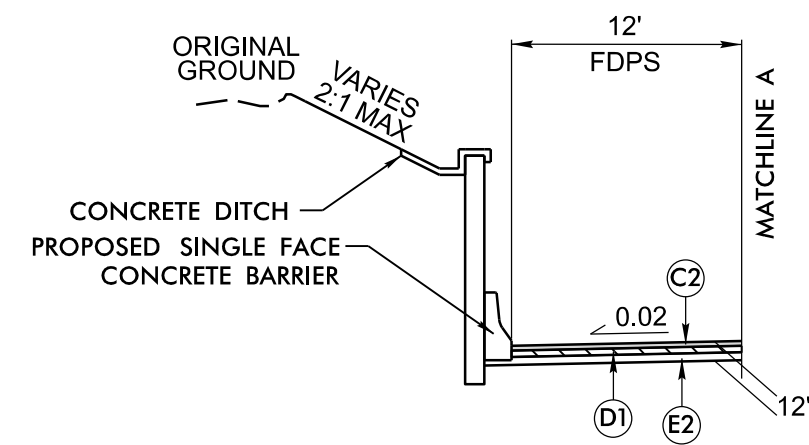
PARTIAL TYPICAL SECTION NO. 8A
 -Y5RPB- STA. 17+87.86 TO 19+20.00 (LT)



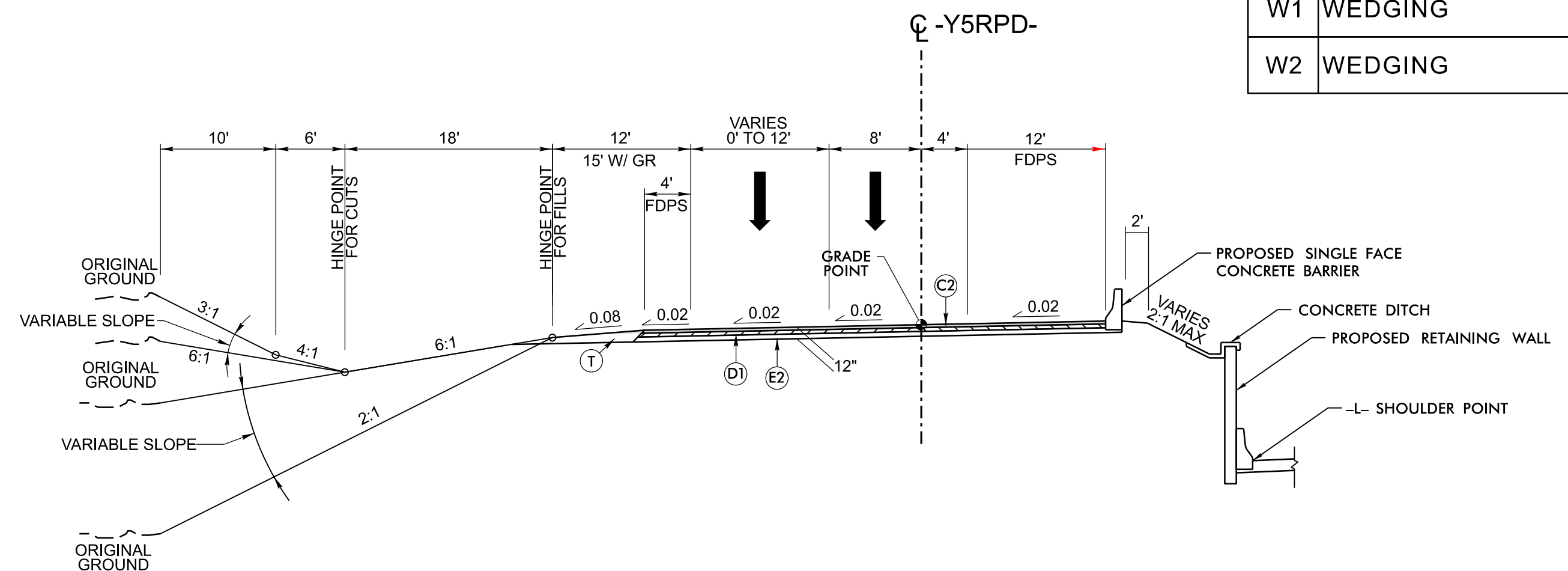
PARTIAL TYPICAL SECTION NO. 8B
 -Y1RPB- STA. 17+30.00 TO 21+80.00 (LT)
 -Y5RPB- STA. 19+20.00 TO 21+70.00 (LT)



PARTIAL TYPICAL SECTION NO. 8C
 -Y5RPB- STA. 24+00.00 TO 24+96.20 (LT)



PARTIAL TYPICAL SECTION NO. 8D
 -Y5RPB- STA. 17+14.43 TO 17+87.86 (LT)



TYPICAL SECTION NO. 9
 -Y5RPD- STA. 10+00.00 TO 23+22.60

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PAVEMENT SCHEDULE (ASSUMED PAVEMENT DESIGN)	
A1	10" TRUCK APRON
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D1	4" I19.0C
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E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
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S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
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U-5301
 DRPS 2A-6
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WAKE COUNTY

ROADWAY DESIGN UNIT
 ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY
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 www.stantec.com
 License No. F-0672

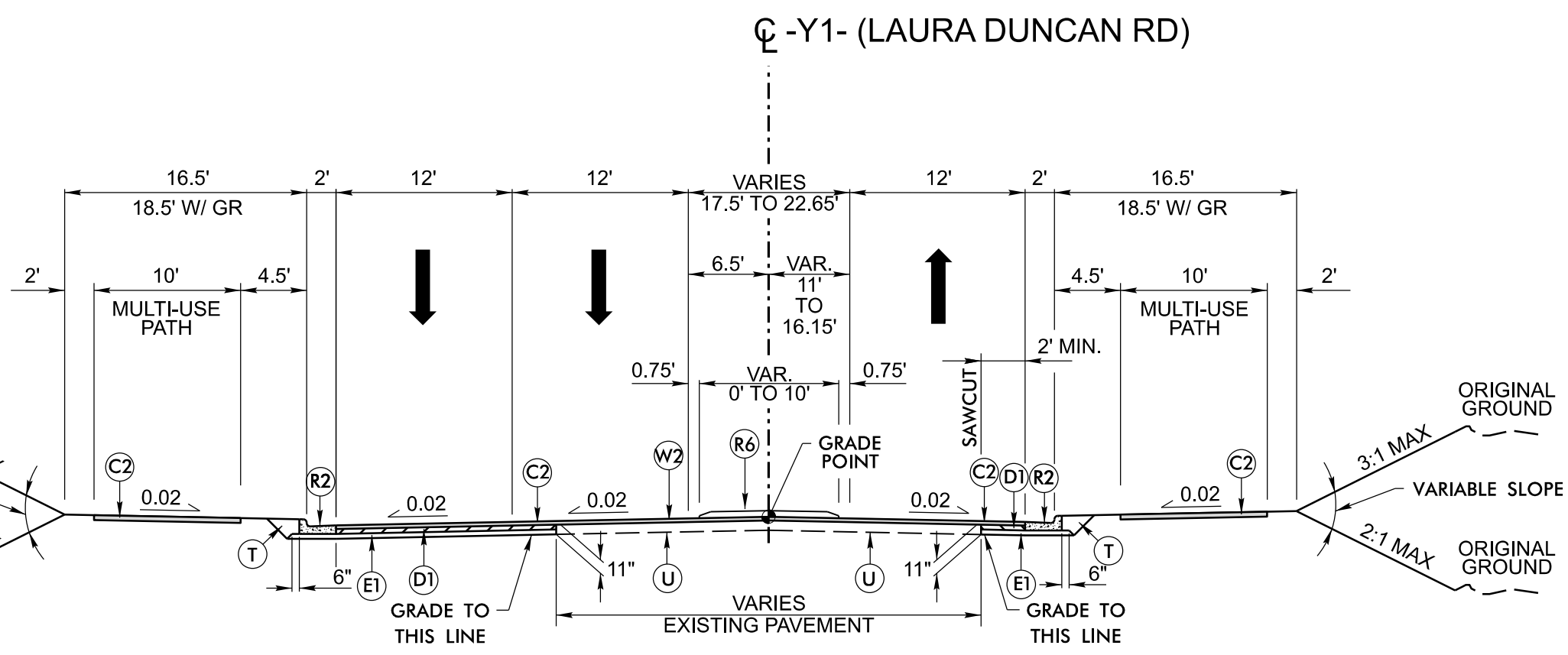
STV Engineers, Inc.
 405 Hargett Street, Suite 400
 Raleigh, NC 27603
 NC License Number E-0991

SUNGATE
 DESIGN GROUP
 5800 Eula Burke Ct., Ste. 100 - Raleigh, North Carolina 27606
 Phone: (919) 829-2243 - Eng. Firm License No. C-899

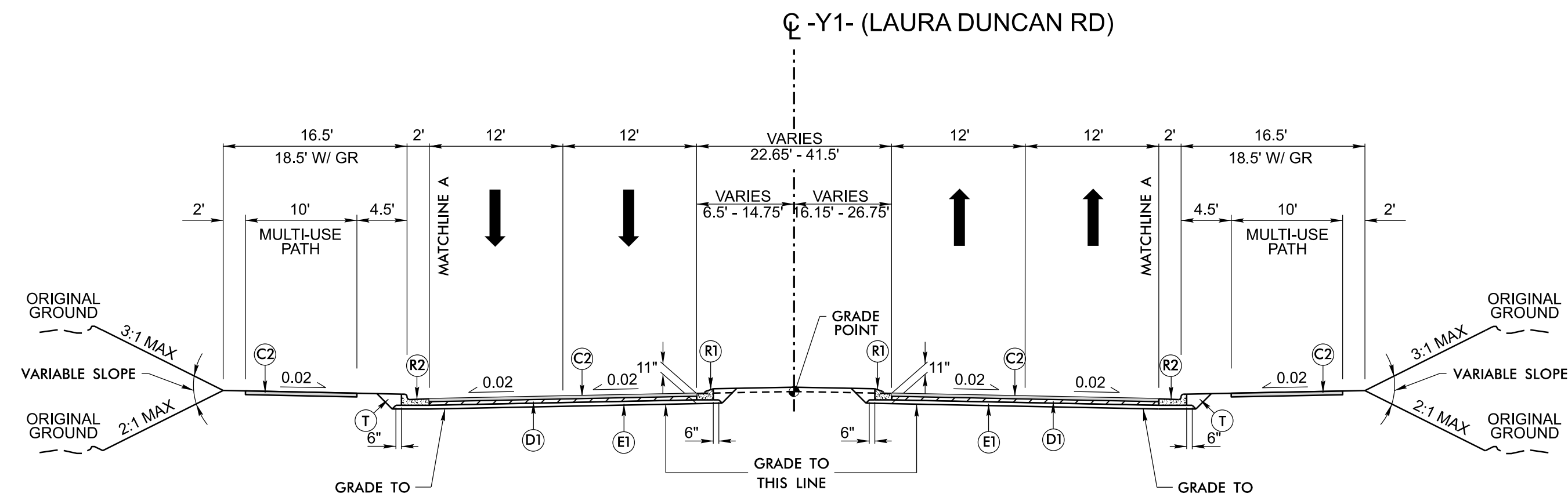
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INCOMPLETE PLANS
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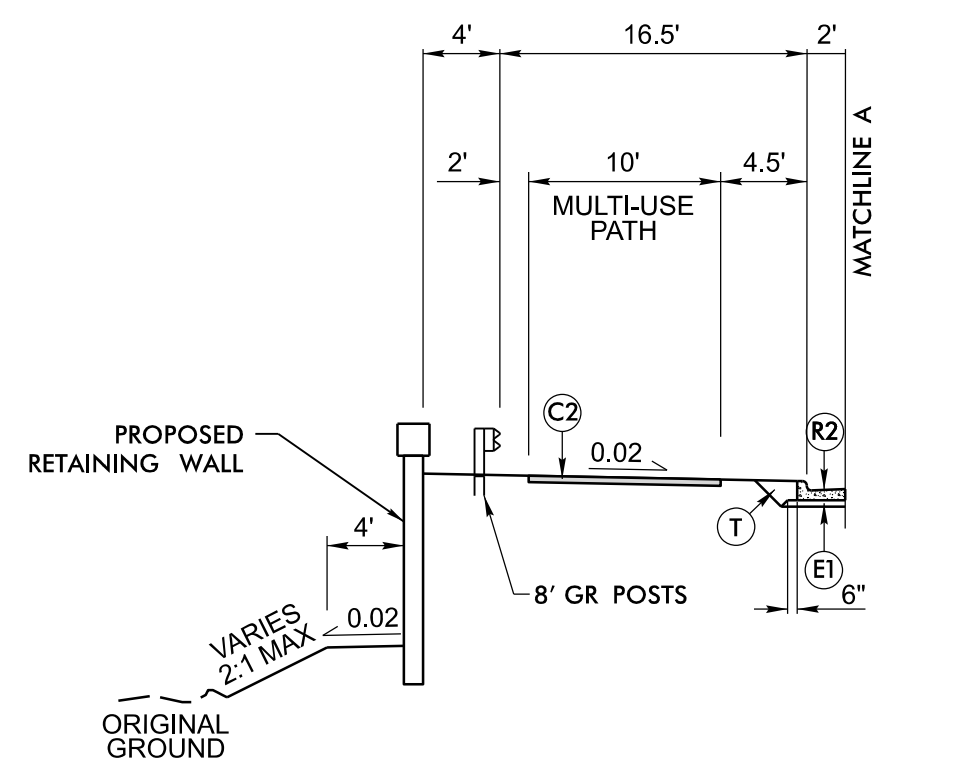
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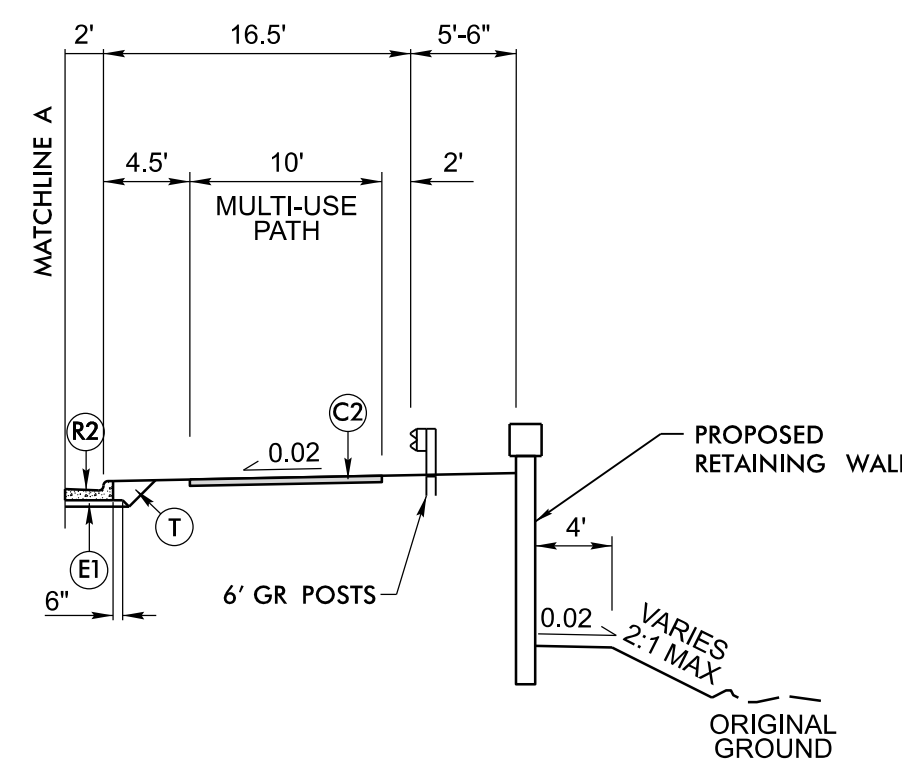
TYPICAL SECTION NO. 10
-Y1- STA. 19+90.00 TO 21+47.05



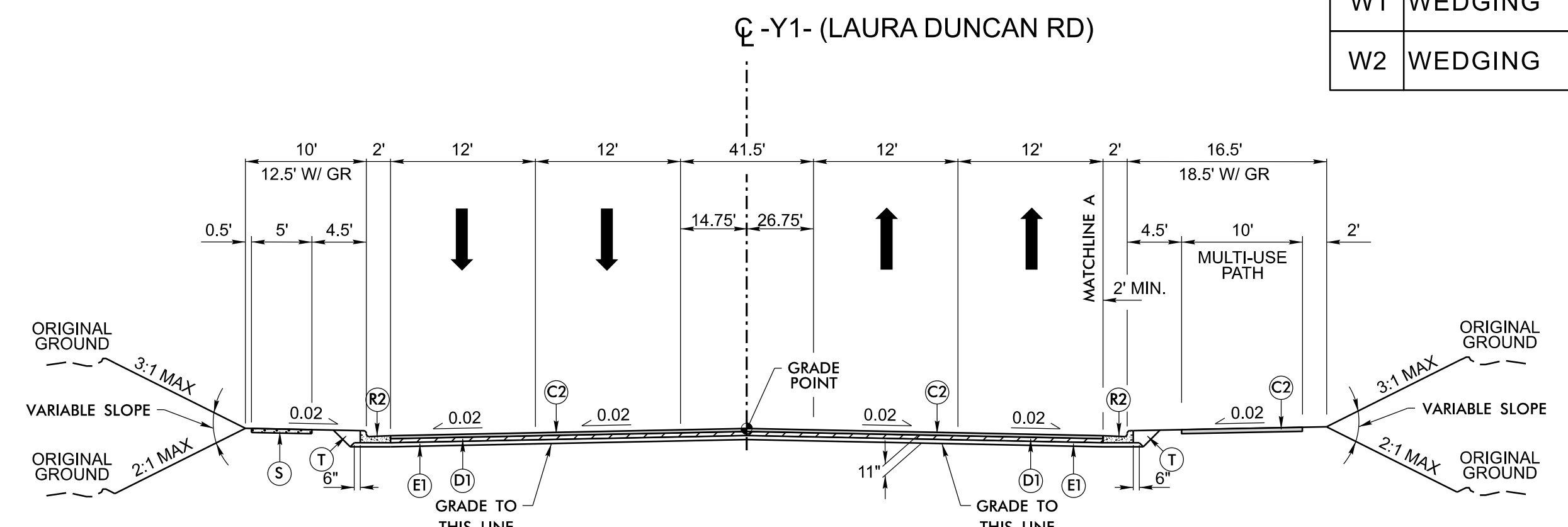
TYPICAL SECTION NO. 11
-Y1- STA. 21+47.05 TO 26+06.13
-Y1- STA. 29+37.53 TO 33+10.00



PARTIAL TYPICAL SECTION NO. 11A
-Y1- STA. 22+50.00 TO 23+53.37 (LT)



PARTIAL TYPICAL SECTION NO. 11B
-Y1- STA. 24+65.00 TO 26+12.09 (RT)



TYPICAL SECTION NO. 12
-Y1- STA. 26+06.13 TO 26+83 +/- (BEGIN BRIDGE)
-Y1- STA. 28+39 +/- (END BRIDGE) TO 29+48.72

- NOTES:
1. ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.
 2. TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY. SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS / ROUNDABOUT.
 3. SEE PLANS FOR EXACT CONCRETE CURB & ISLAND LOCATIONS.
 4. SEE PLANS FOR SIDEWALK LOCATIONS.

PAVEMENT SCHEDULE (ASSUMED PAVEMENT DESIGN)	
A1	10" TRUCK APRON
A2	6" P.C.C.P.
C1	1.5" S9.5C
C2	3" S9.5C
C3	VAR. S9.5C
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	1'-6" C & G
R2	2'-6" C & G
R3	2'-9" C & G
R4	8"x18" CURB
R5	MODIFIED VALLEY GUTTER
R6	5" MCI
R7	EXPRESSWAY GUTTER
R8	SHOULDER BERM GUTTER
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
W2	WEDGING

U-5301
DRPS 2A-7
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY



Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
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Fax. (919) 851-7024
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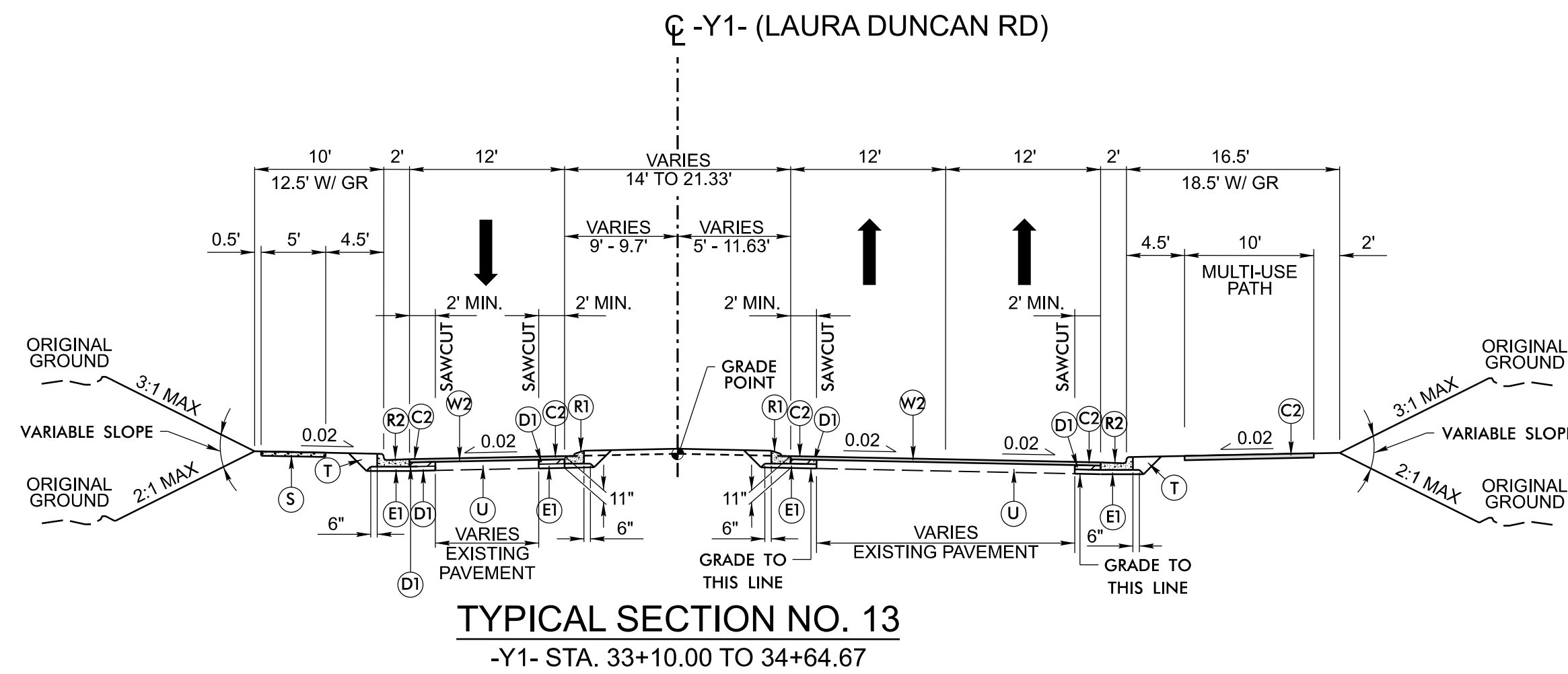
STV Engineers, Inc.
405 Hargett Street
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Raleigh, NC 27603
NC License Number E-0991

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316 S. G. L. B. 11
3800 E. Duke Ct., Ste. 100 - Raleigh, North Carolina 27606
Phone: (919) 829-2243 - Fax: (919) 829-2244
License No. C-899

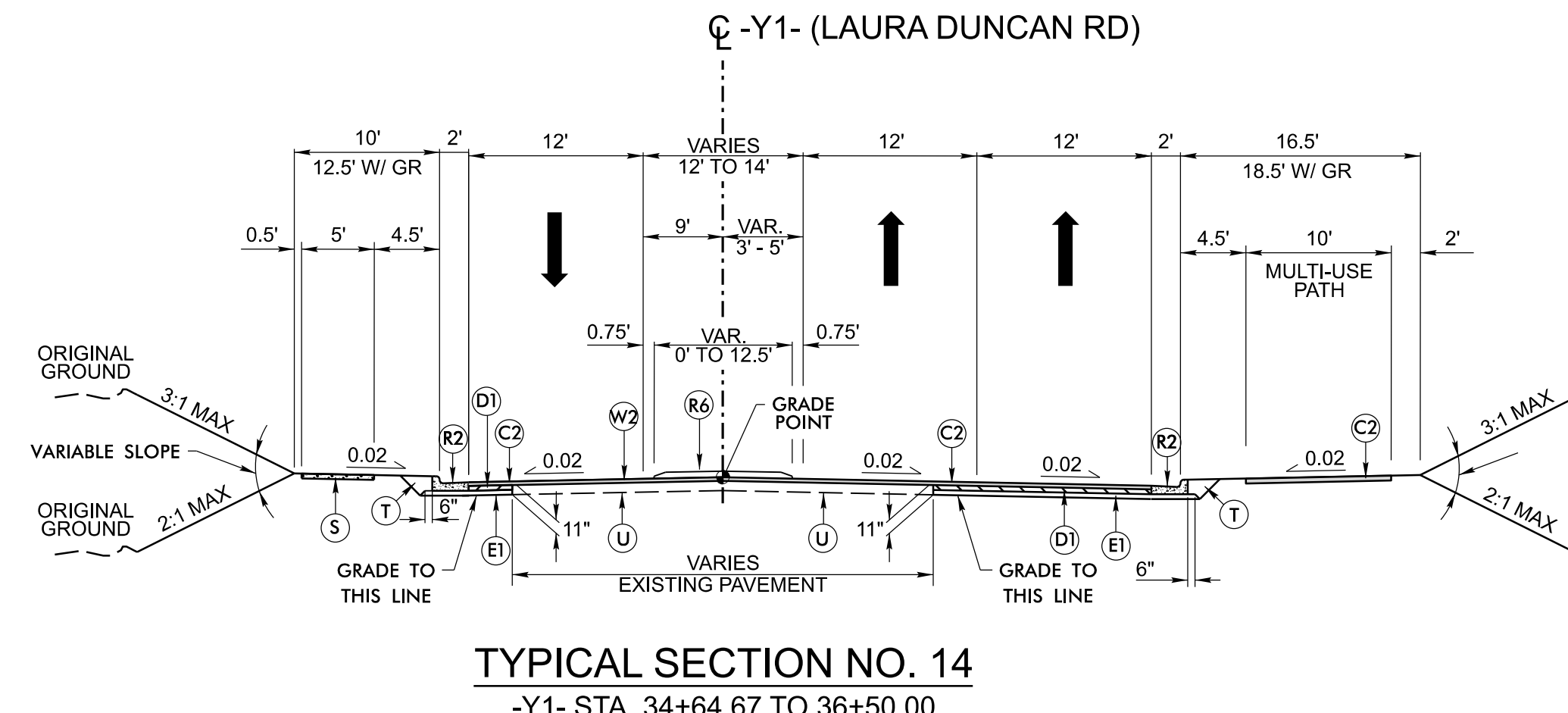
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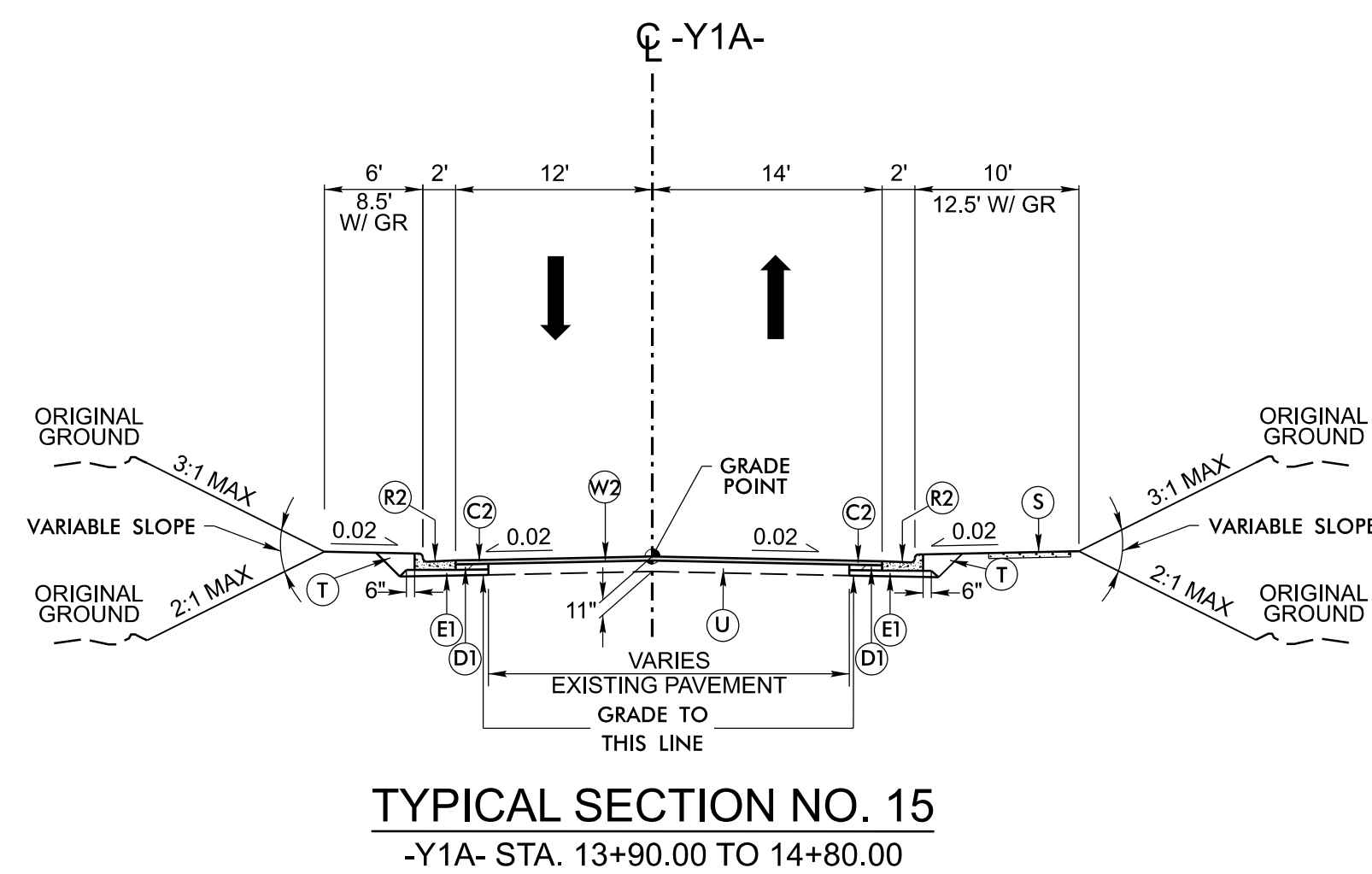
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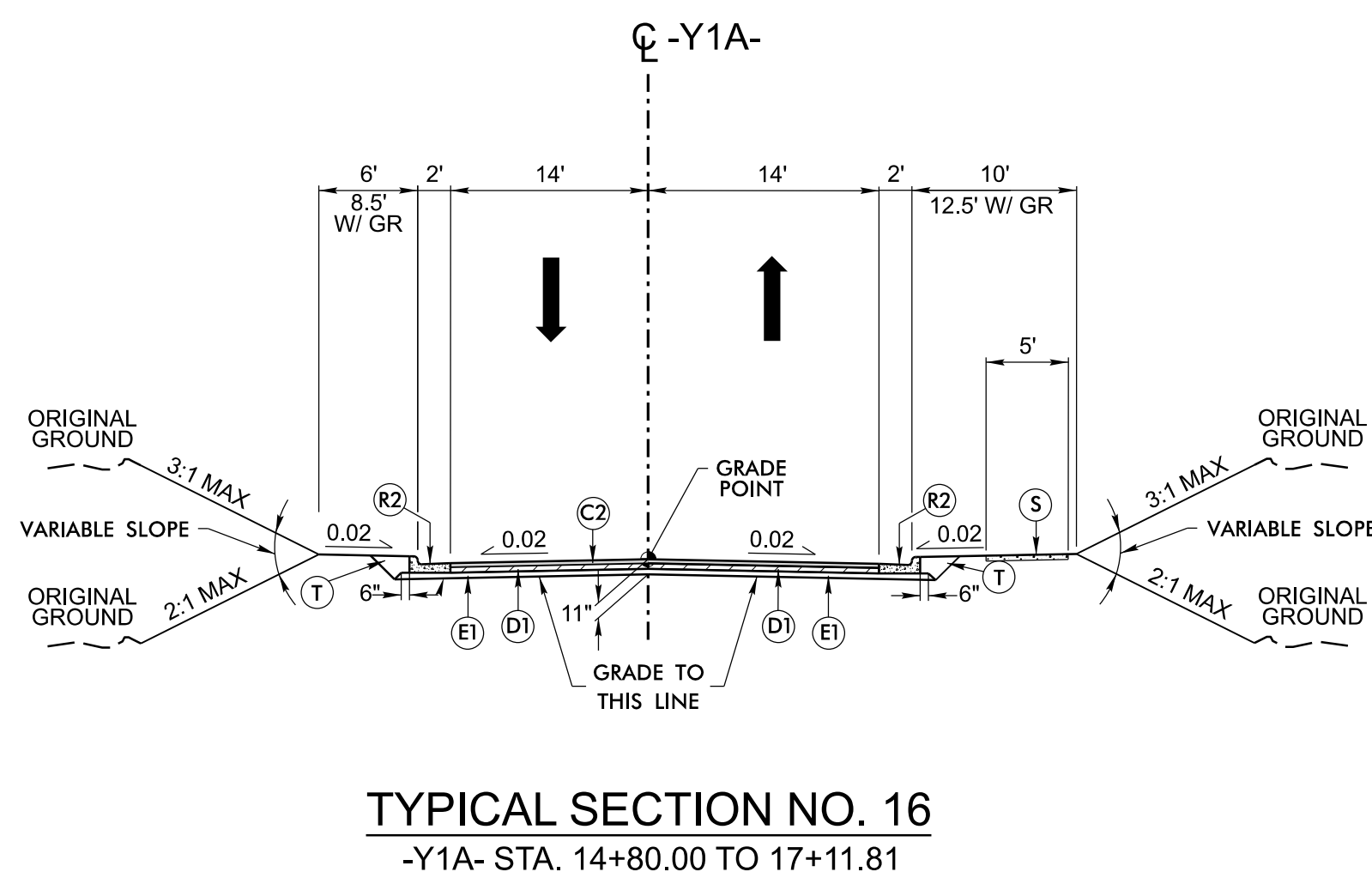
TYPICAL SECTION NO. 13
-Y1- STA. 33+10.00 TO 34+64.67



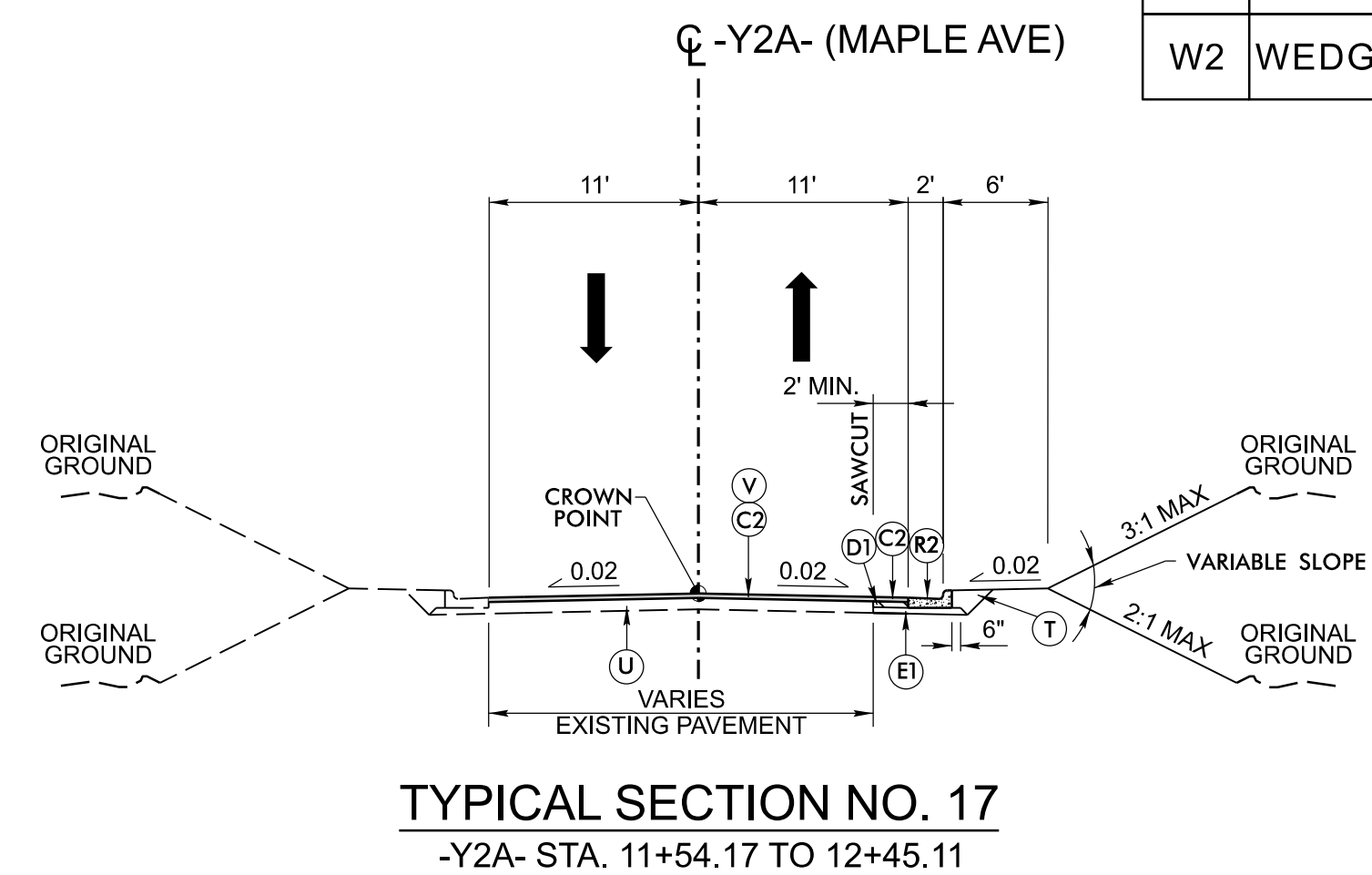
TYPICAL SECTION NO. 14
-Y1- STA. 34+64.67 TO 36+50.00



TYPICAL SECTION NO. 15
-Y1A- STA. 13+90.00 TO 14+80.00



TYPICAL SECTION NO. 16
-Y1A- STA. 14+80.00 TO 17+11.81



TYPICAL SECTION NO. 17
-Y2A- STA. 11+54.17 TO 12+45.11

- NOTES:
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A2	6" P.C.C.P.
C1	1.5" S9.5C
C2	3" S9.5C
C3	VAR. S9.5C
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	1'-6" C & G
R2	2'-6" C & G
R3	2'-9" C & G
R4	8"x18" CURB
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R6	5" MCI
R7	EXPRESSWAY GUTTER
R8	SHOULDER BERM GUTTER
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
W2	WEDGING

U-5301

DRPS 2A-8

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY

Stantec

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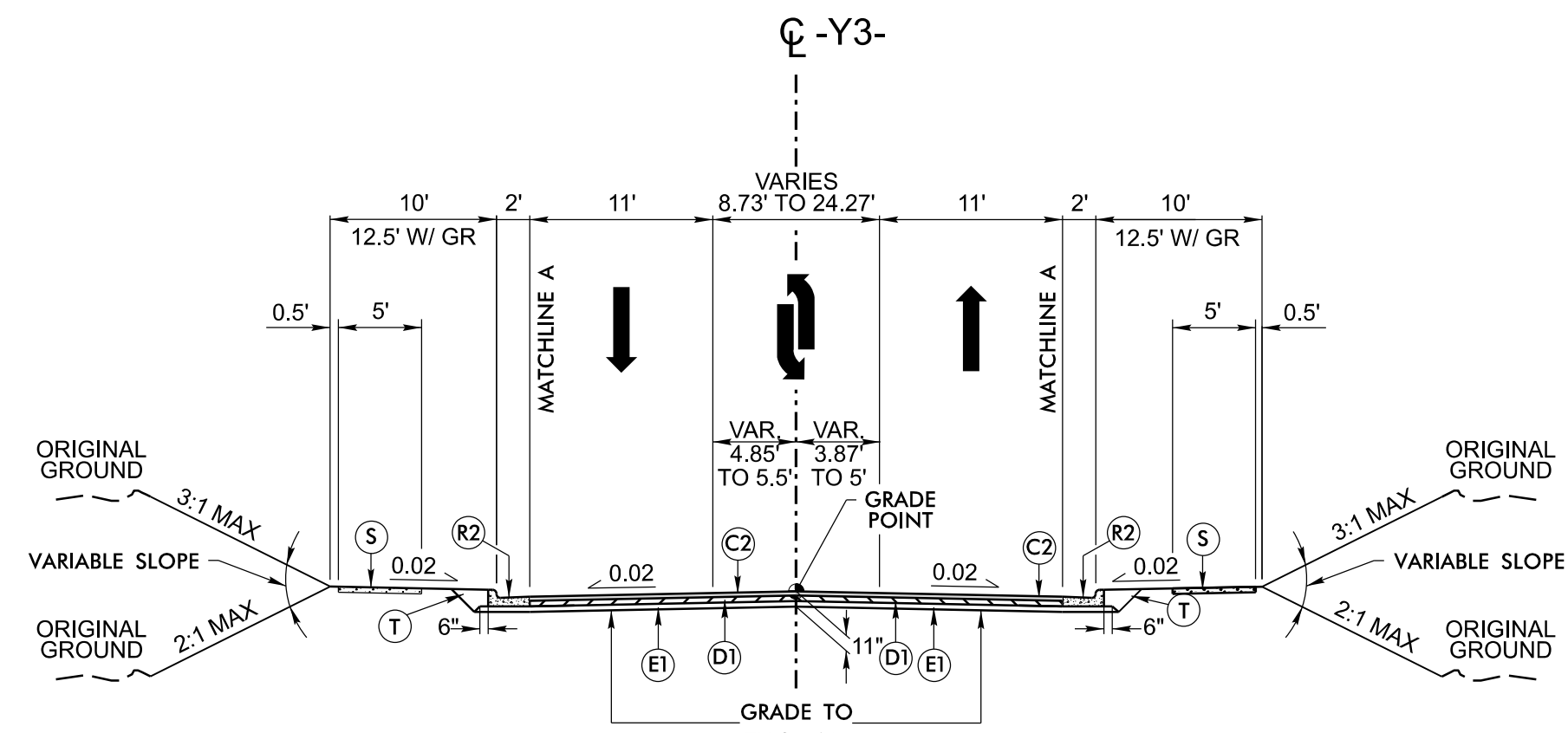
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NC License Number F-0991

SUNGATE
SUNGATE CONSULTING GROUP, LLC
5805 E. Duke Ct., Ste. 100, Raleigh, North Carolina 27606
Phone: (919) 829-2242 - Eng. Firm License No. C-859

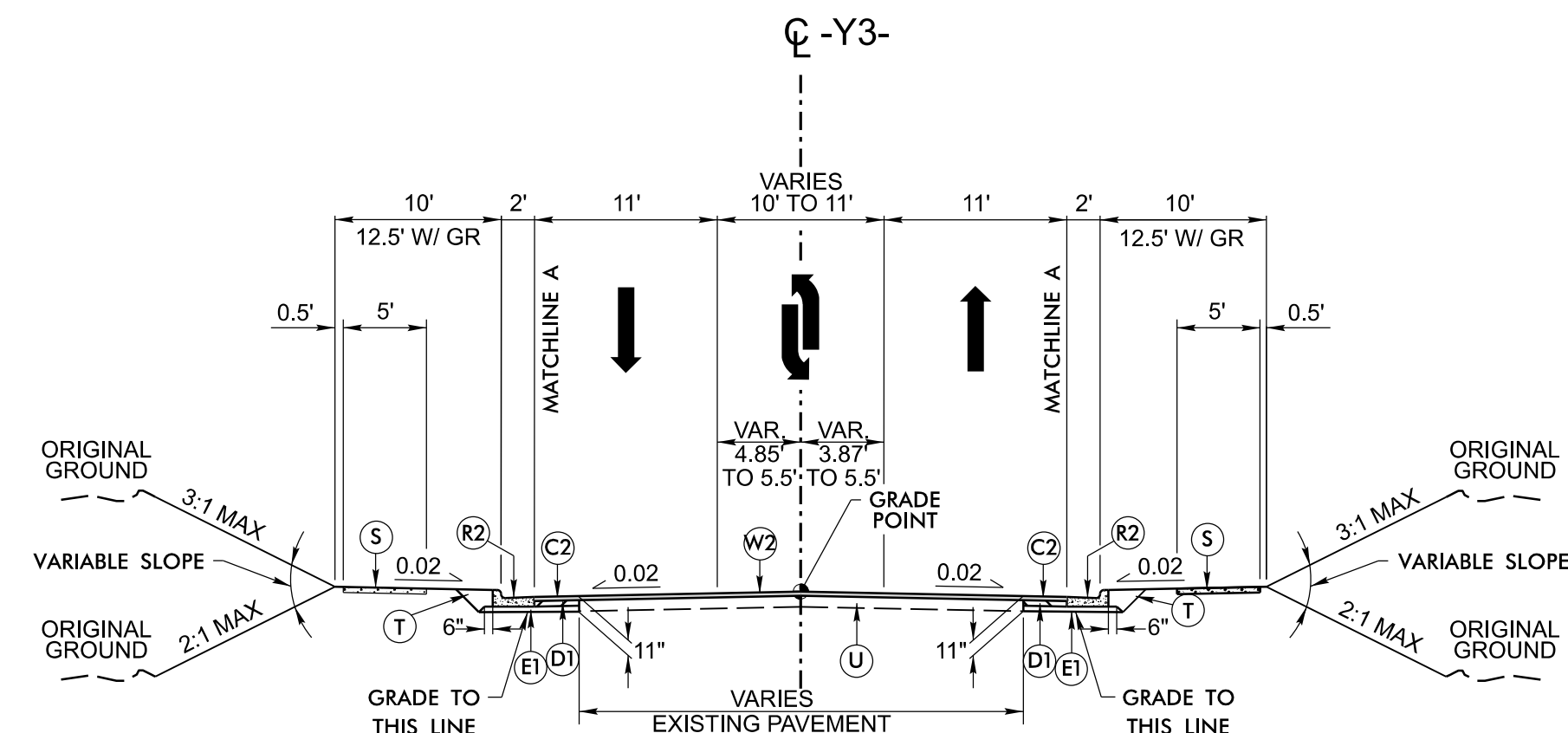
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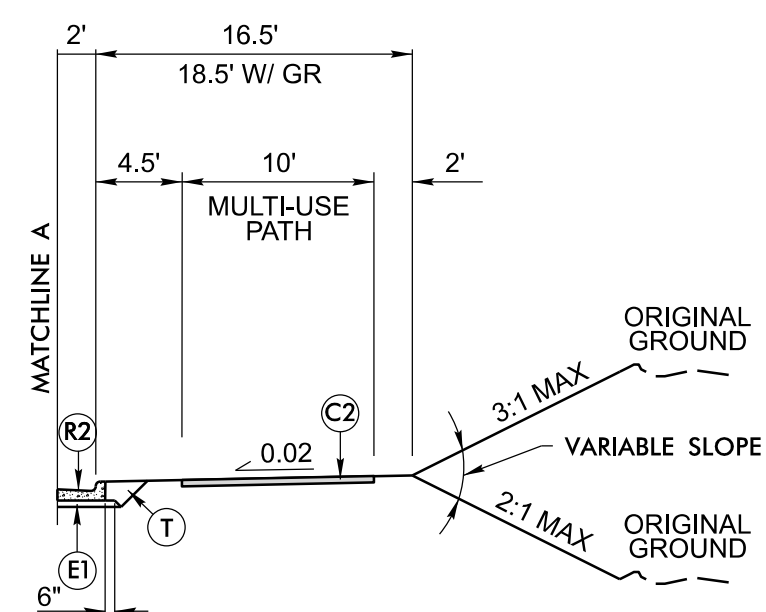
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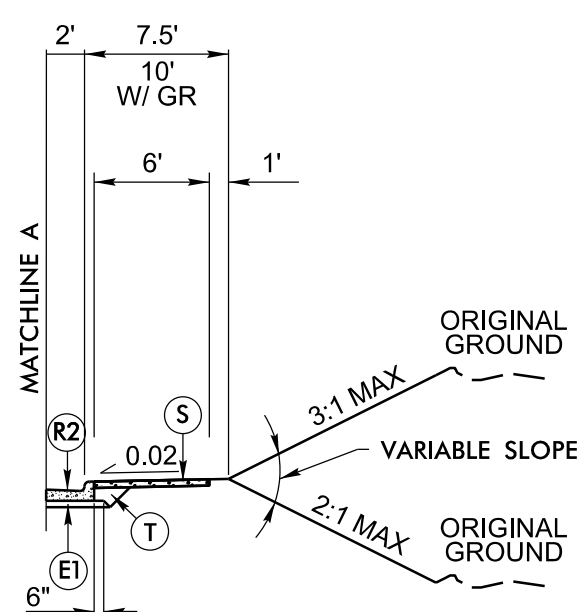
TYPICAL SECTION NO. 18
 -Y3- STA. 10+60.00 (END ROUNDABOUT) TO 11+20.00
 -Y3- STA. 16+05.00 TO 16+69.00



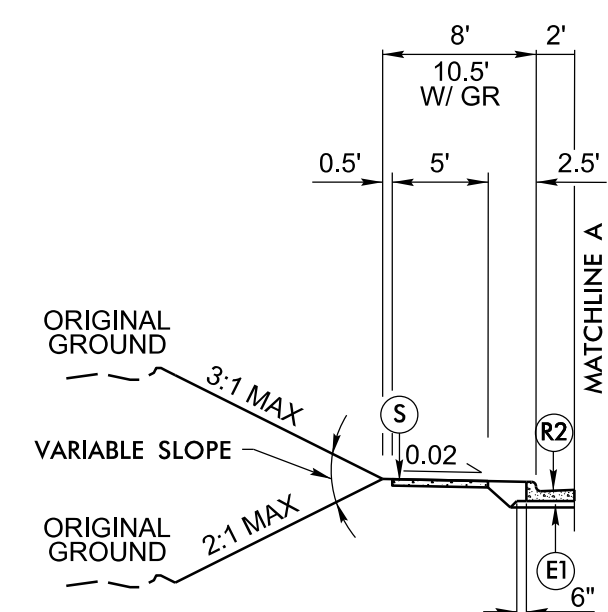
TYPICAL SECTION NO. 19
 -Y3- STA. 11+20.00 TO 12+80.00
 -Y3- STA. 15+10.00 TO 16+05.00



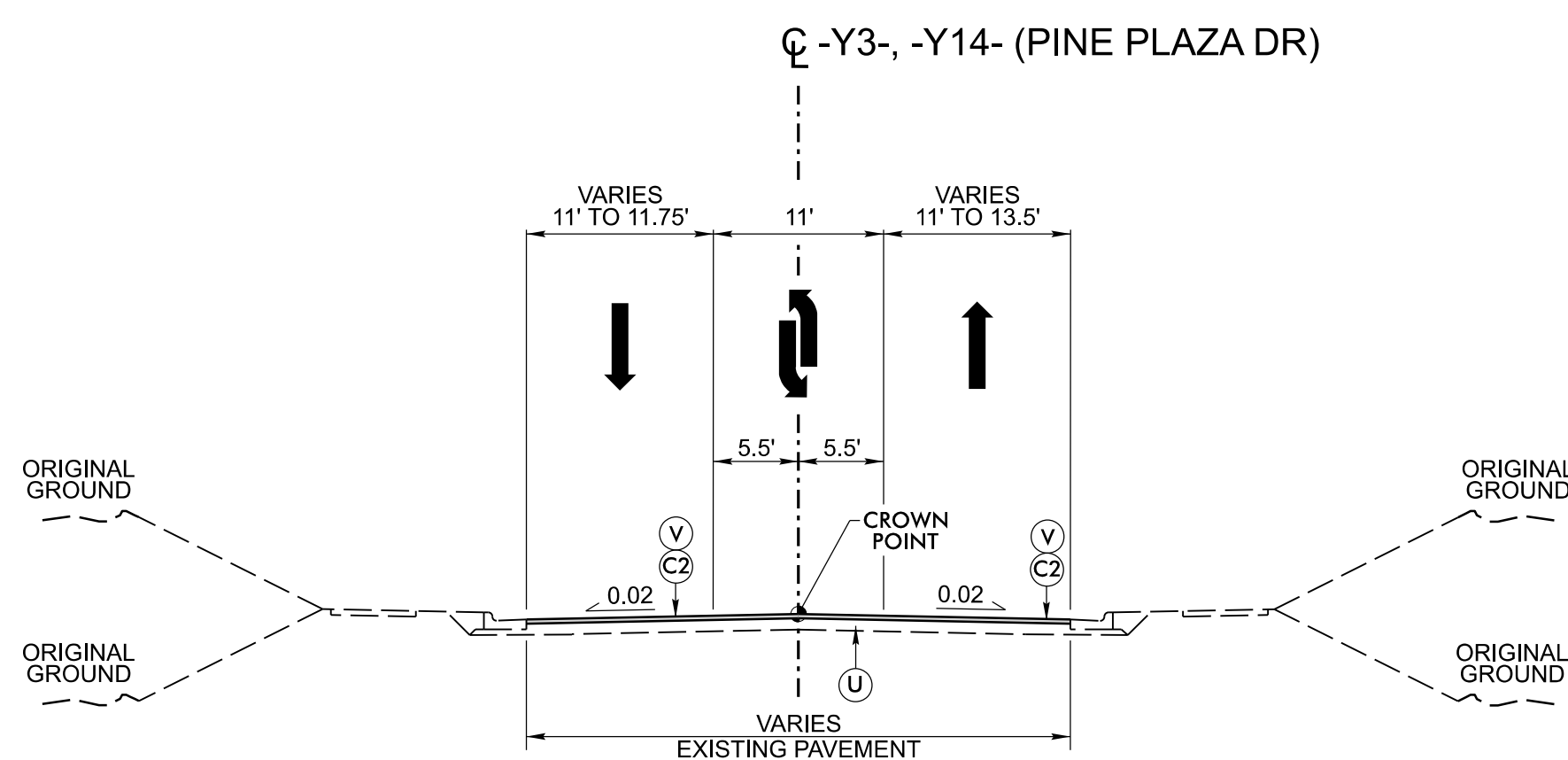
PARTIAL TYPICAL SECTION NO. 18A
 -Y3- STA. 10+60.00 TO 11+14.08 (LT)
 -Y3- STA. 10+60.00 TO 11+20.00 (RT)



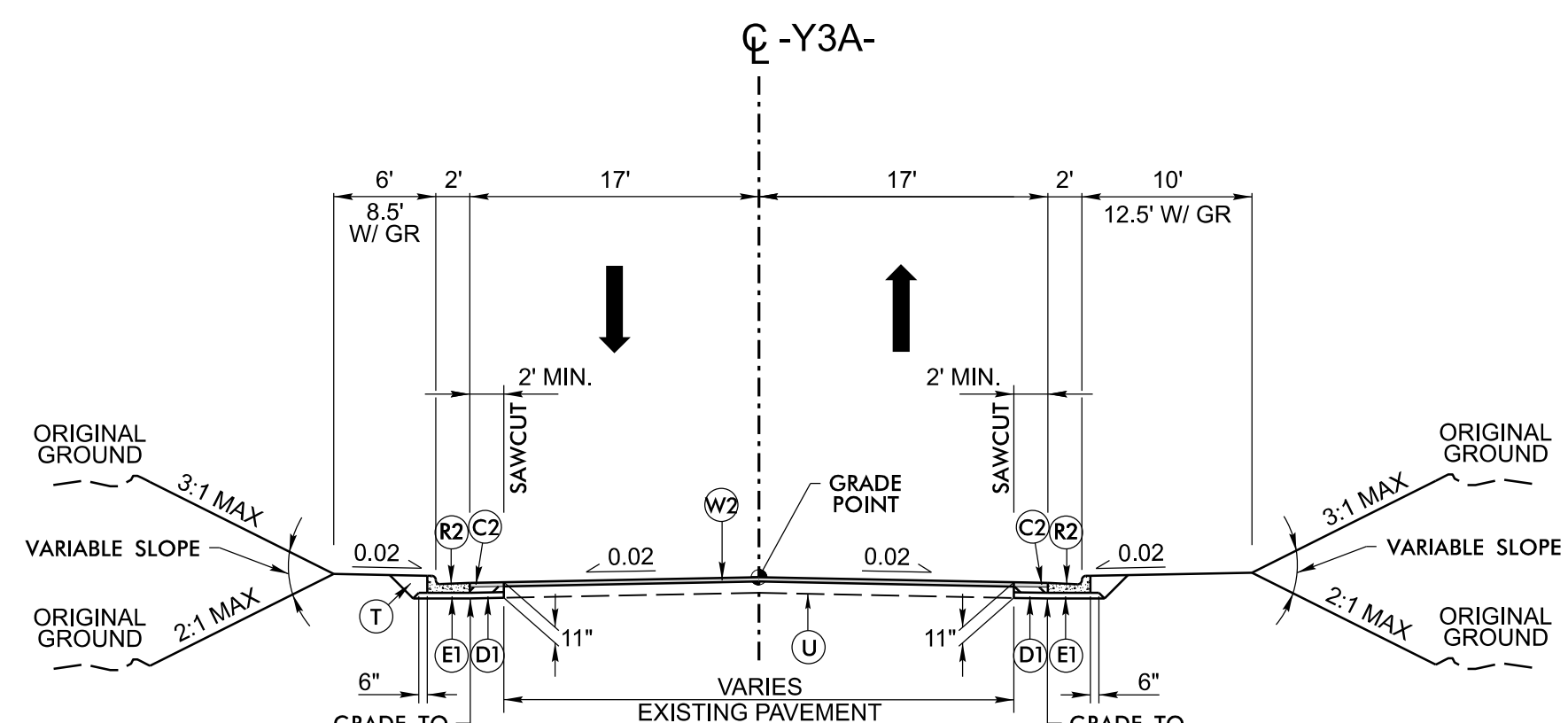
PARTIAL TYPICAL SECTION NO. 18B & 19A
 -Y3- STA. 11+21.48 TO 12+22.22 (RT)
 -Y3- STA. 16+07.03 TO 16+69.00 (RT)



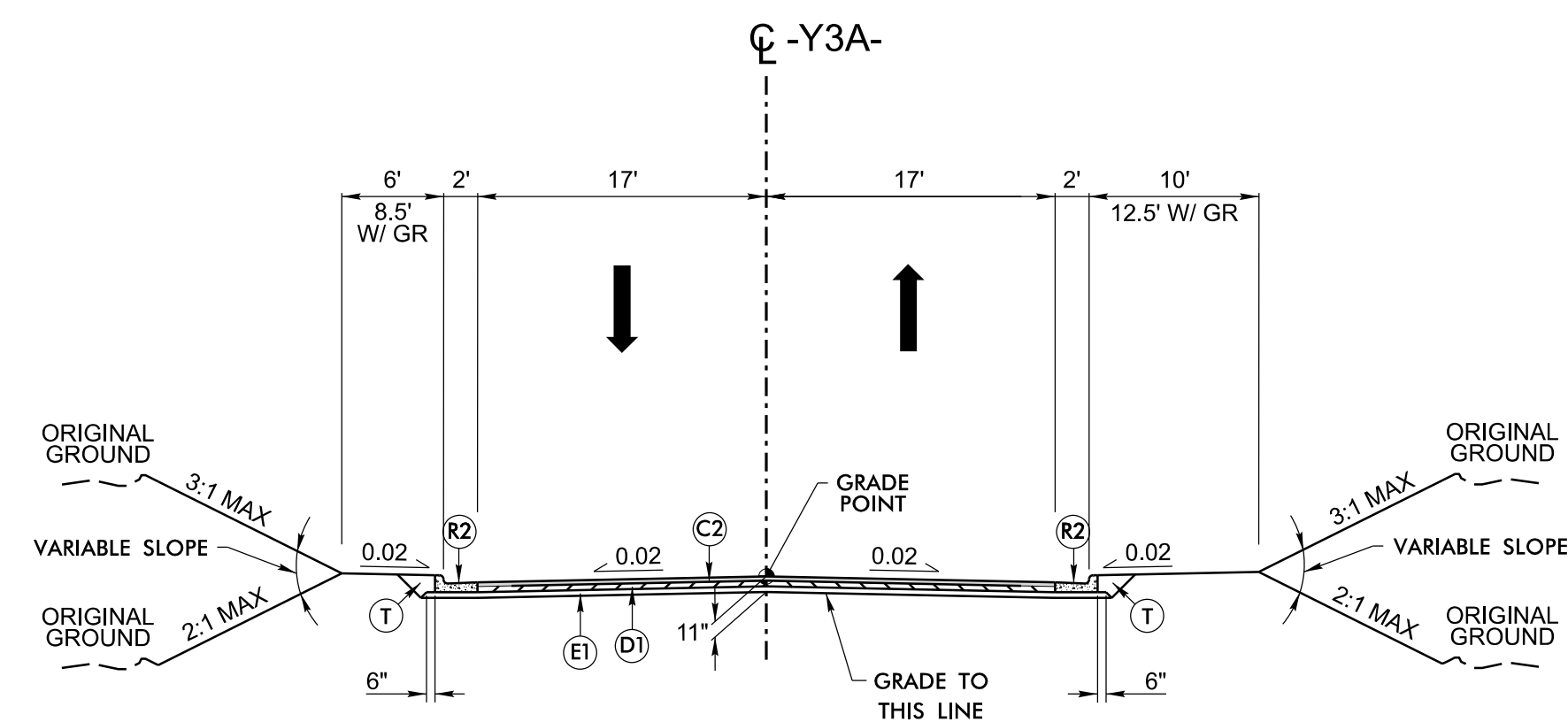
PARTIAL TYPICAL SECTION NO. 19B
 -Y3- STA. 15+10.00 TO 16+69.00 (LT)



TYPICAL SECTION NO. 20
 -Y3- STA. 12+80.00 TO 15+10.00
 -Y14- STA. 38+10.00 TO 40+75.00



TYPICAL SECTION NO. 21
 -Y3A- STA. 10+60.00 TO 11+30.00



TYPICAL SECTION NO. 22
 -Y3A- STA. 11+30.00 TO 11+85.81

- NOTES:
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C2	3" S9.5C
C3	VAR. S9.5C
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	1'-6" C & G
R2	2'-6" C & G
R3	2'-9" C & G
R4	8"x18" CURB
R5	MODIFIED VALLEY GUTTER
R6	5" MCI
R7	EXPRESSWAY GUTTER
R8	SHOULDER BERM GUTTER
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
W2	WEDGING

U-5301
DRPS 2A-9
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WAKE COUNTY

ROADWAY DESIGN UNIT
 ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY
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 Fax. (919) 851-7024
 www.stantec.com
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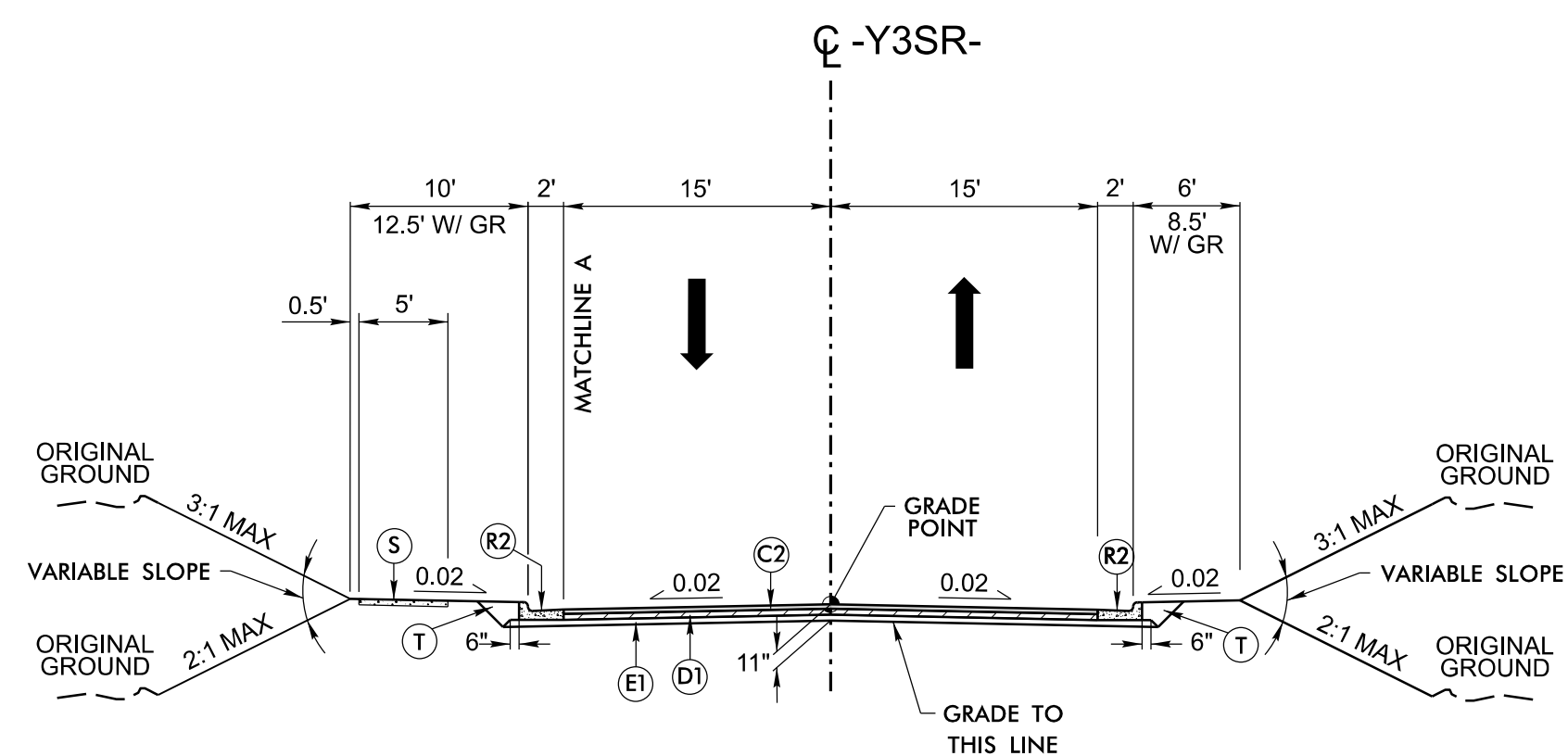
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SUNGATE
 5800 E. Duke Ct., Ste. 100 - Raleigh, North Carolina 27606
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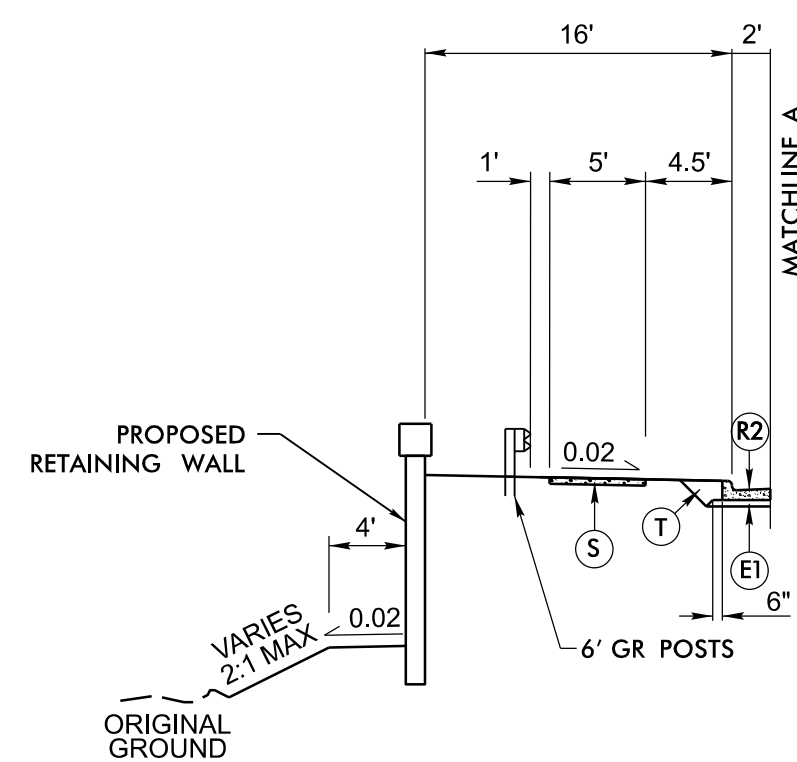
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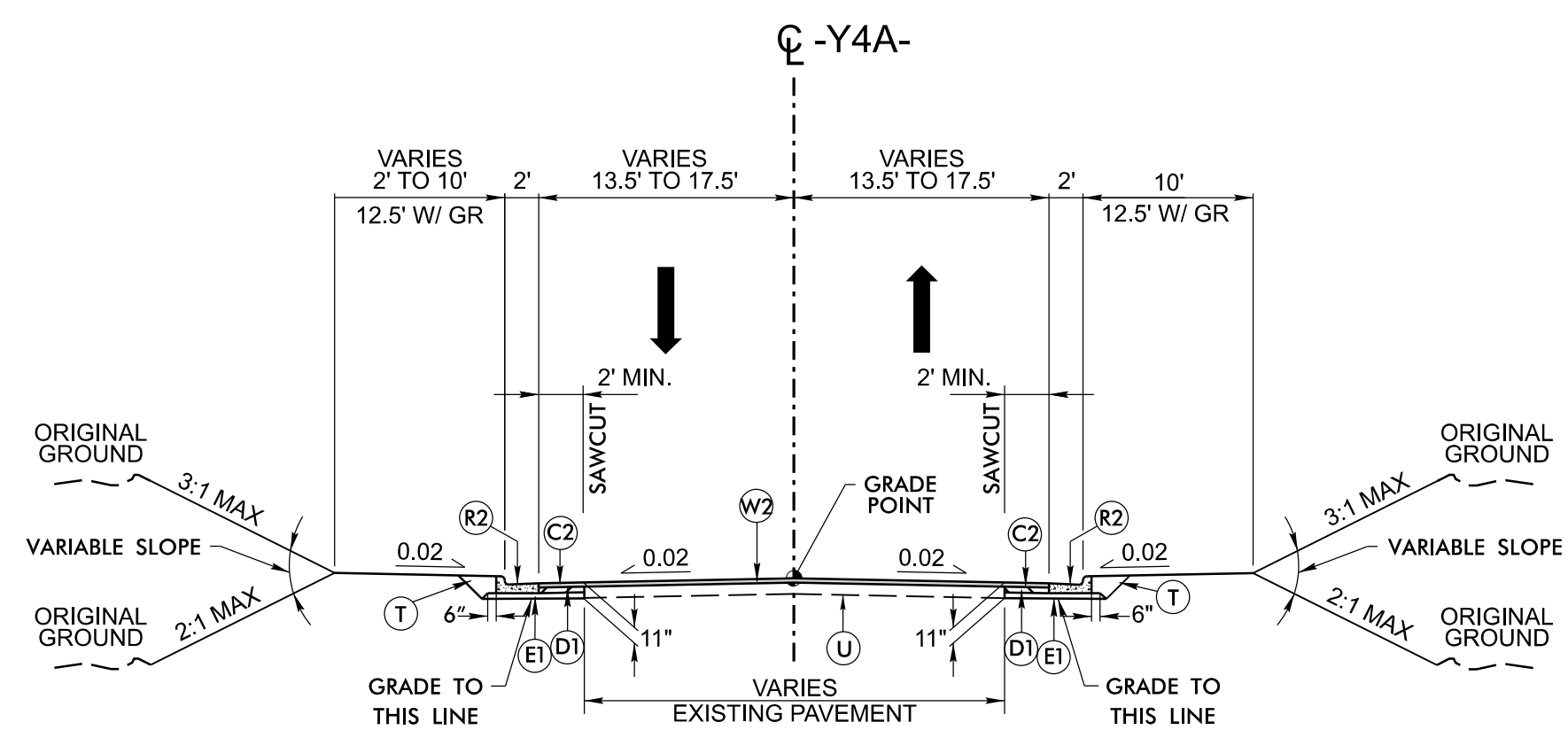
REVISIONS



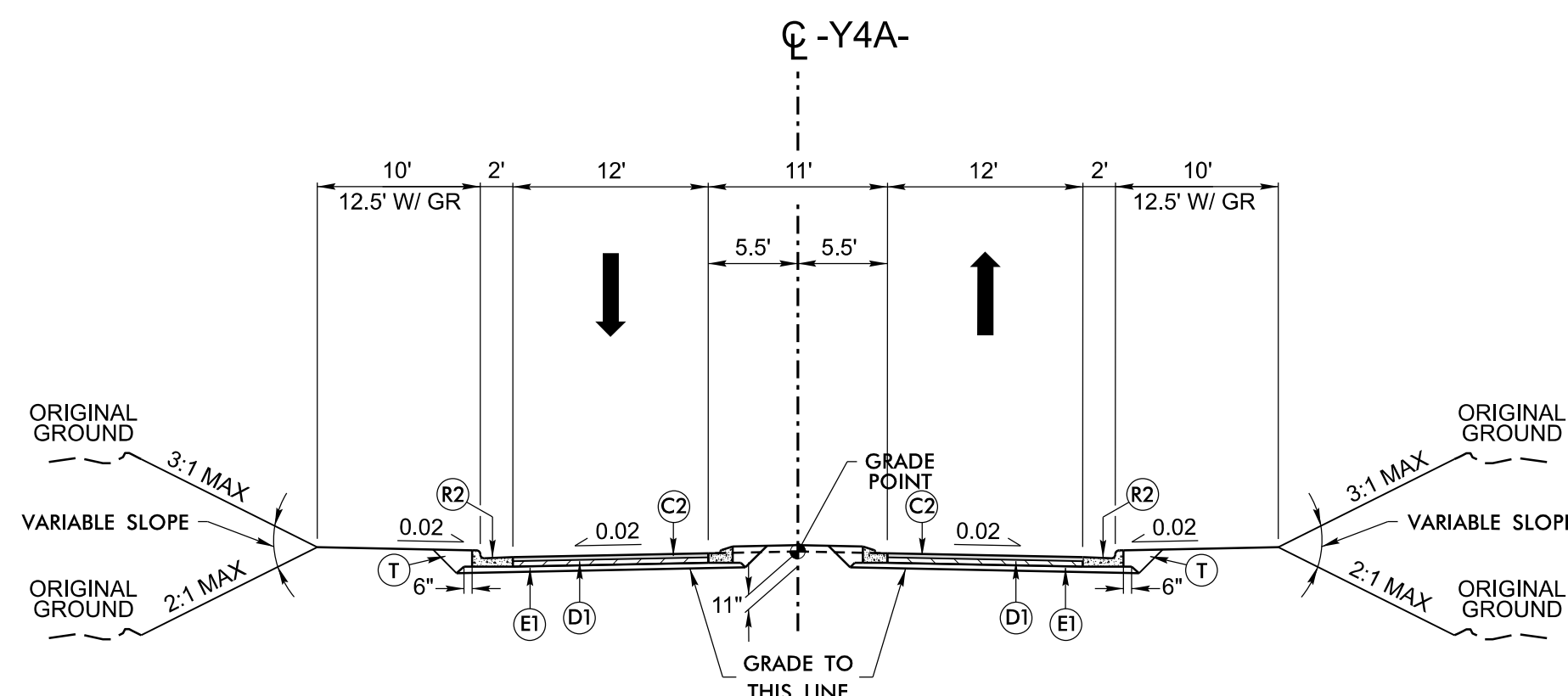
TYPICAL SECTION NO. 23
-Y3SR- STA. 10+31.68 TO 39+60.00



PARTIAL TYPICAL SECTION NO. 23A
-Y3SR- STA. 10+31.68 TO 12+35.00



TYPICAL SECTION NO. 24
-Y4A- STA. 13+20.00 TO 14+48.42

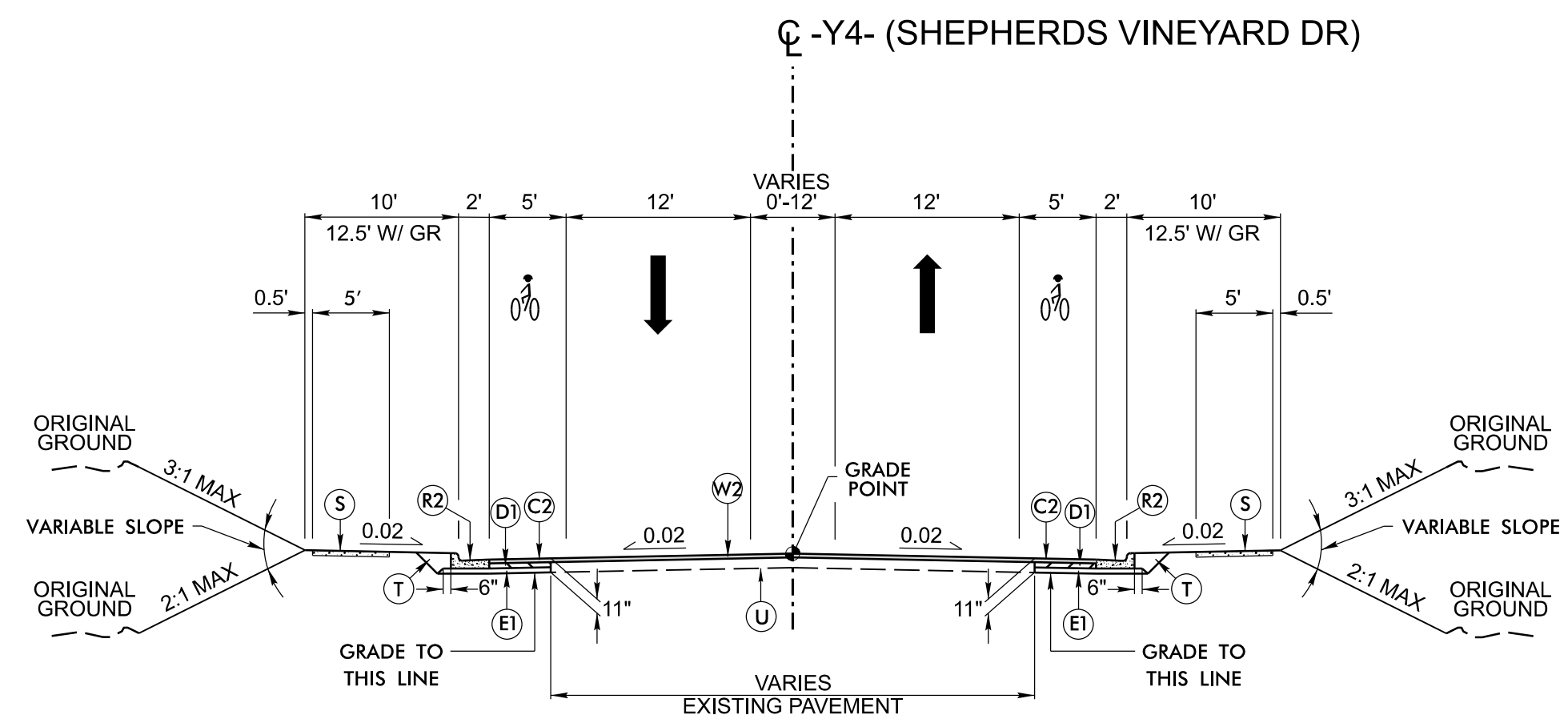


TYPICAL SECTION NO. 25
-Y4A- STA. 14+48.42 TO 15+88.40

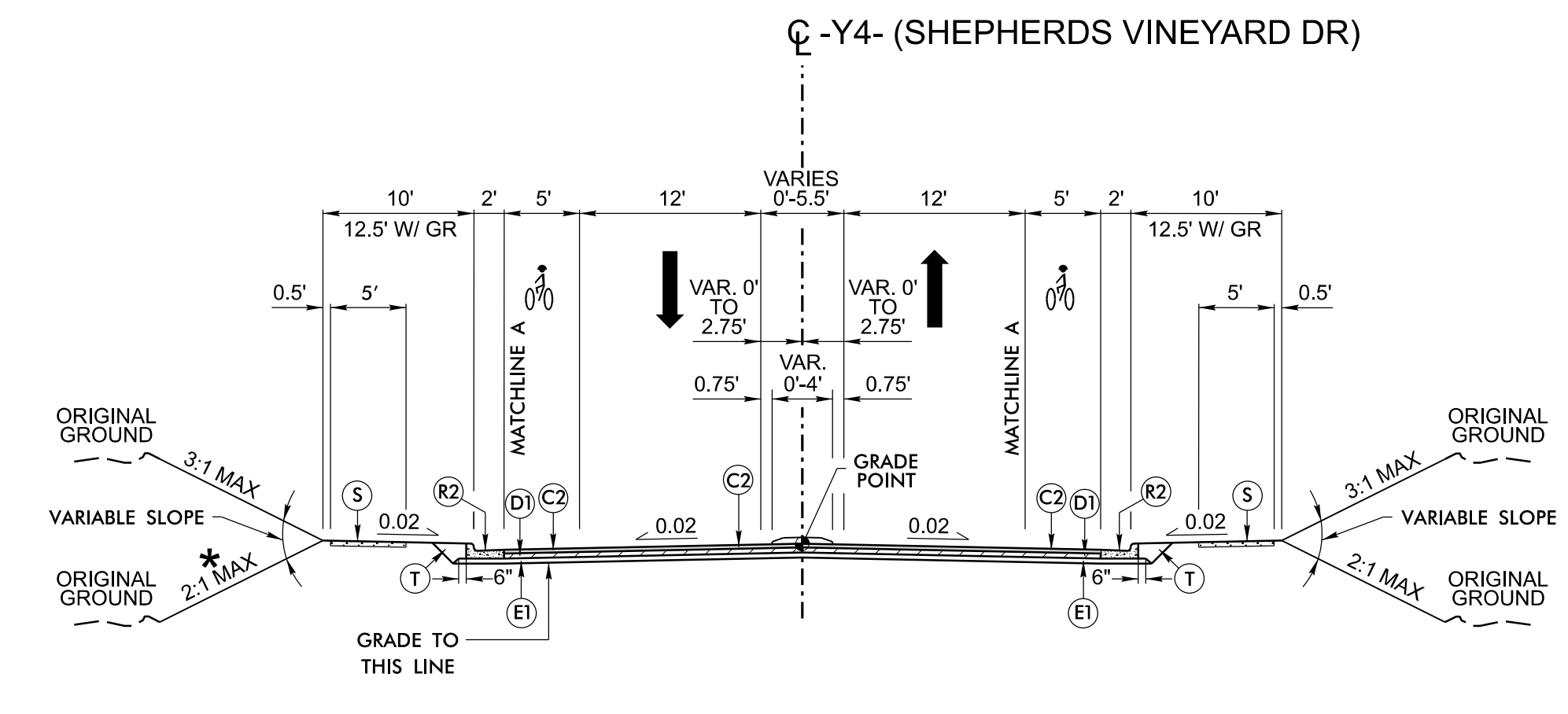
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 3. SEE PLANS FOR EXACT CONCRETE CURB & ISLAND LOCATIONS.
 4. SEE PLANS FOR SIDEWALK LOCATIONS.

PAVEMENT SCHEDULE (ASSUMED PAVEMENT DESIGN)		U-5301	
A1	10" TRUCK APRON	DRPS	2A-10
A2	6" P.C.C.P.	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WAKE COUNTY	
C1	1.5" S9.5C		
C2	3" S9.5C	ROADWAY DESIGN UNIT ROADWAY DESIGN ENGINEER	
C3	VAR. S9.5C		
D1	4" I19.0C		
D2	VAR. I19.0C		
E1	4" B25.0C		
E2	5" B25.0C		
E3	VAR. B25.0C	HYDRAULICS ENGINEER	
J	8" ABC		
R1	1'-6" C & G		
R2	2'-6" C & G		
R3	2'-9" C & G		
R4	8"x18" CURB	PREPARED BY 	
R5	MODIFIED VALLEY GUTTER	Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672	
R6	5" MCI		
R7	EXPRESSWAY GUTTER		
R8	SHOULDER BERM GUTTER	STV Engineers, Inc. 405 Hargett Street, Suite 400 Raleigh, NC 27603 NC License Number E-0991	
S	4" SIDEWALK	SUNGATE 3151 S. G. L. P. 5800 E. Duke Ct., Ste. 100, Raleigh, North Carolina 27606 Phone: (919) 829-2243 - Eng. Firm License No. C-899	
T	EARTH MATERIAL	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
U	EXIST. PAVEMENT	INCOMPLETE PLANS DO NOT USE FOR R.F. ACQUISITION	
V	3" MILLING		
W1	WEDGING		
W2	WEDGING		

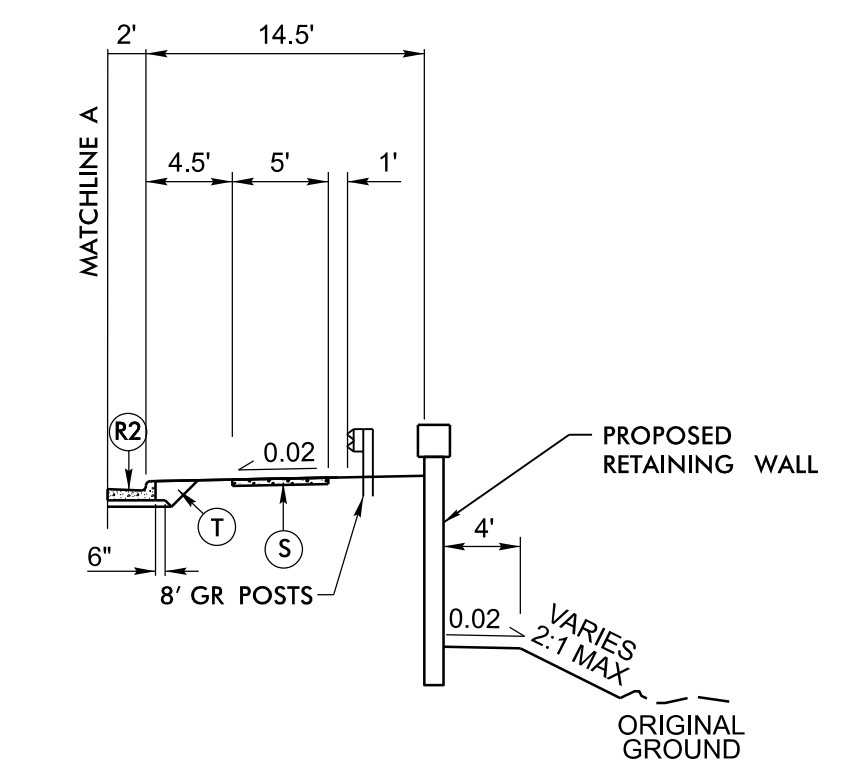
REVISIONS



TYPICAL SECTION NO. 26
-Y4- STA. 10+32.51 TO 15+50.00

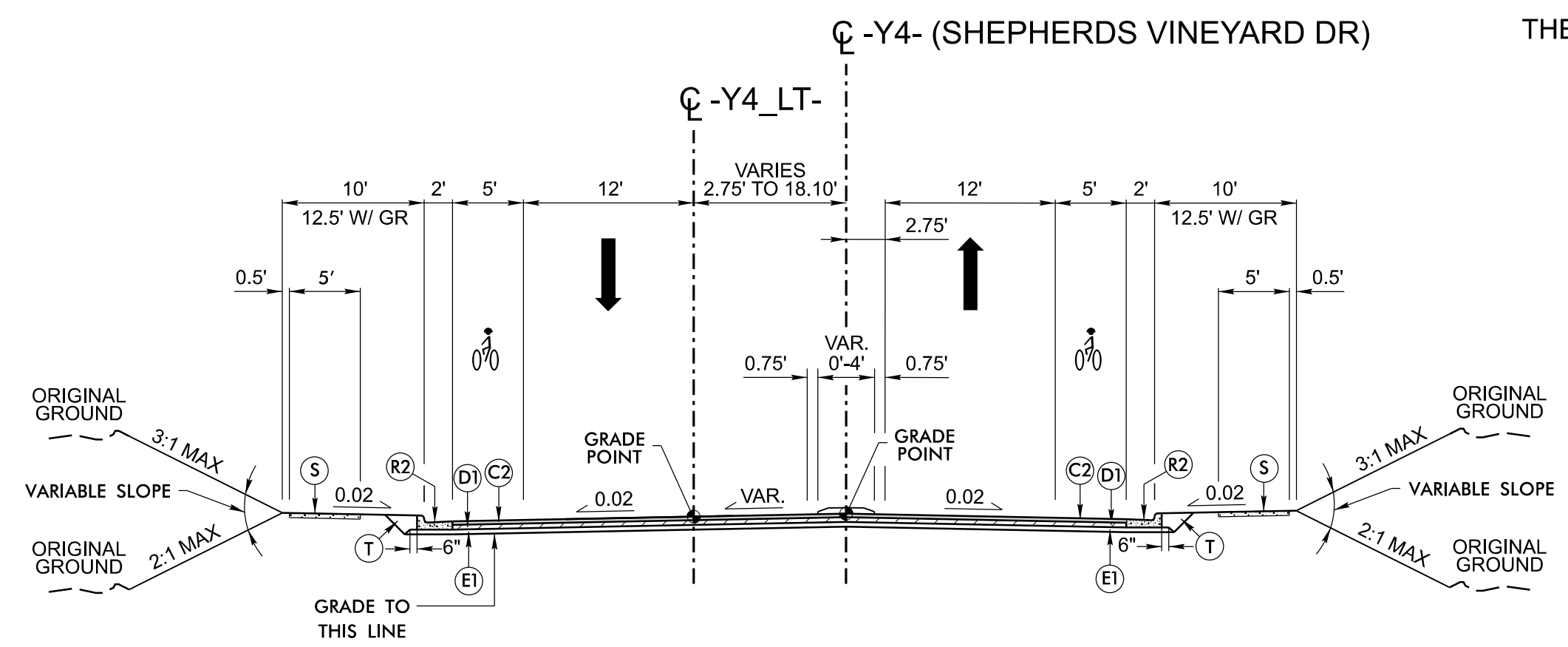


TYPICAL SECTION NO. 27
-Y4- STA. 15+50.00 TO 18+97 +/- (BEGIN BRIDGE)
-Y4- STA. 21+35 +/- (END BRIDGE) TO 25+95.65

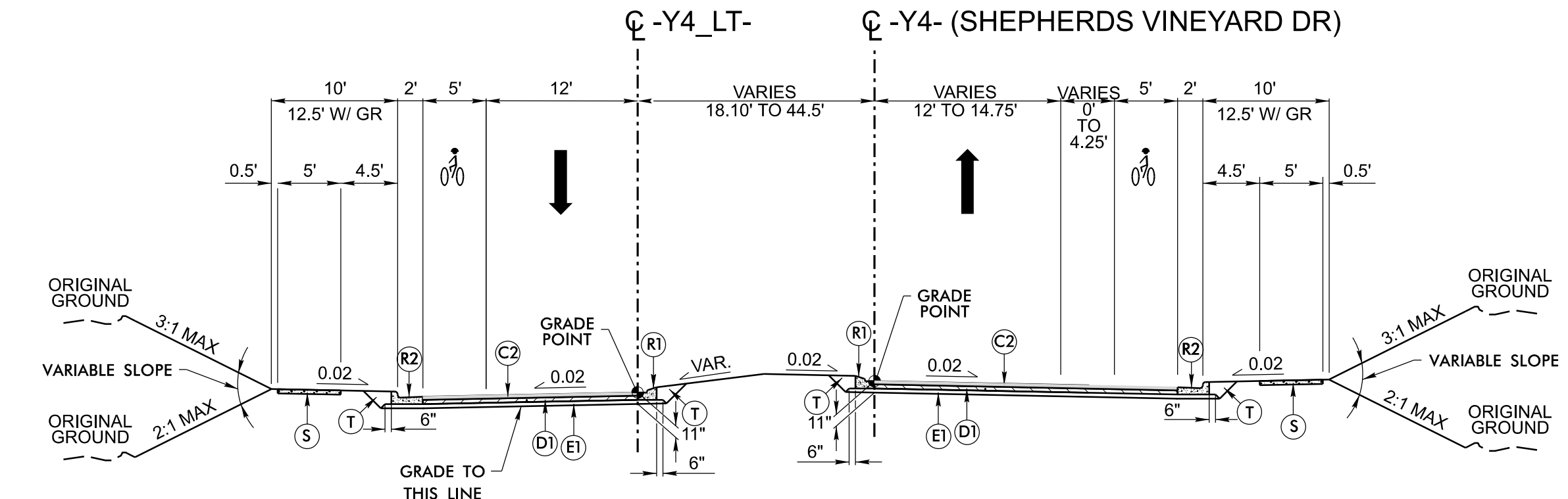


PARTIAL TYPICAL SECTION NO. 27A
-Y4- STA. 16+50.00 TO 18+97 +/- (BEGIN BRIDGE) (LT)
-Y4- STA. 16+65.00 TO 18+97 +/- (BEGIN BRIDGE) (RT)

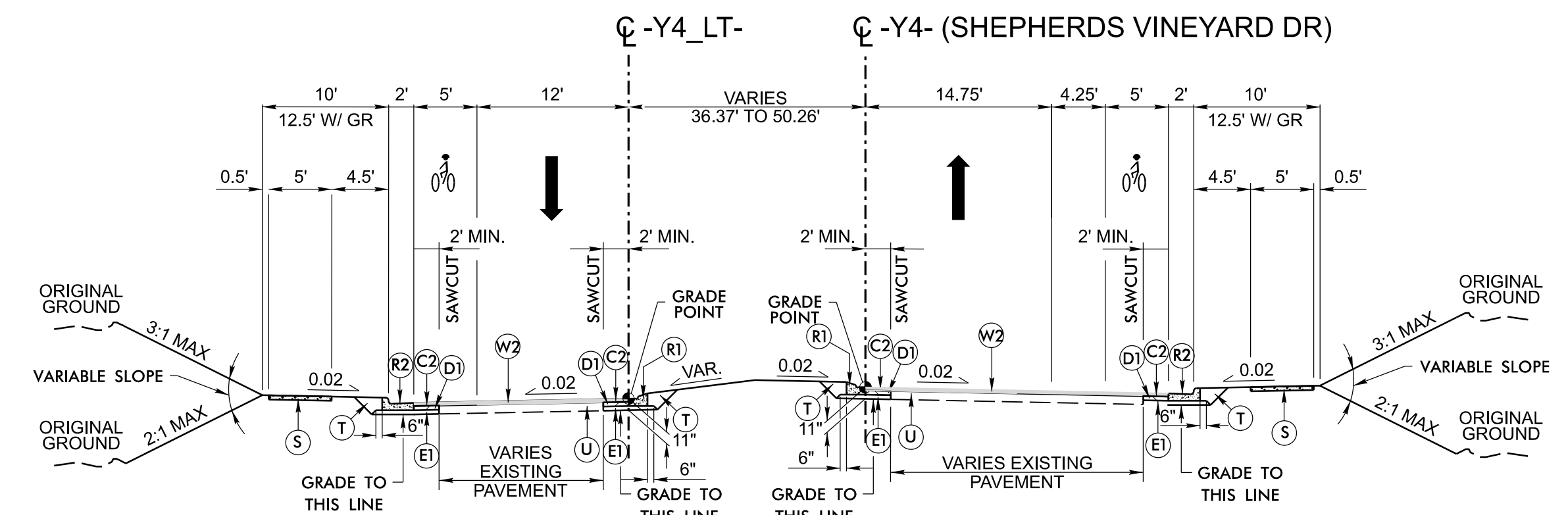
* FILL SLOPE MAX 1.9:1 FROM STA. 23+50.00 TO 24+00.00 TO AVOID EXISTING POND. WILL COORDINATE THIS AREA WITH THE GEOTECHNICAL ENGINEER TO INVESTIGATE AND PROVIDE RECOMMENDATIONS.



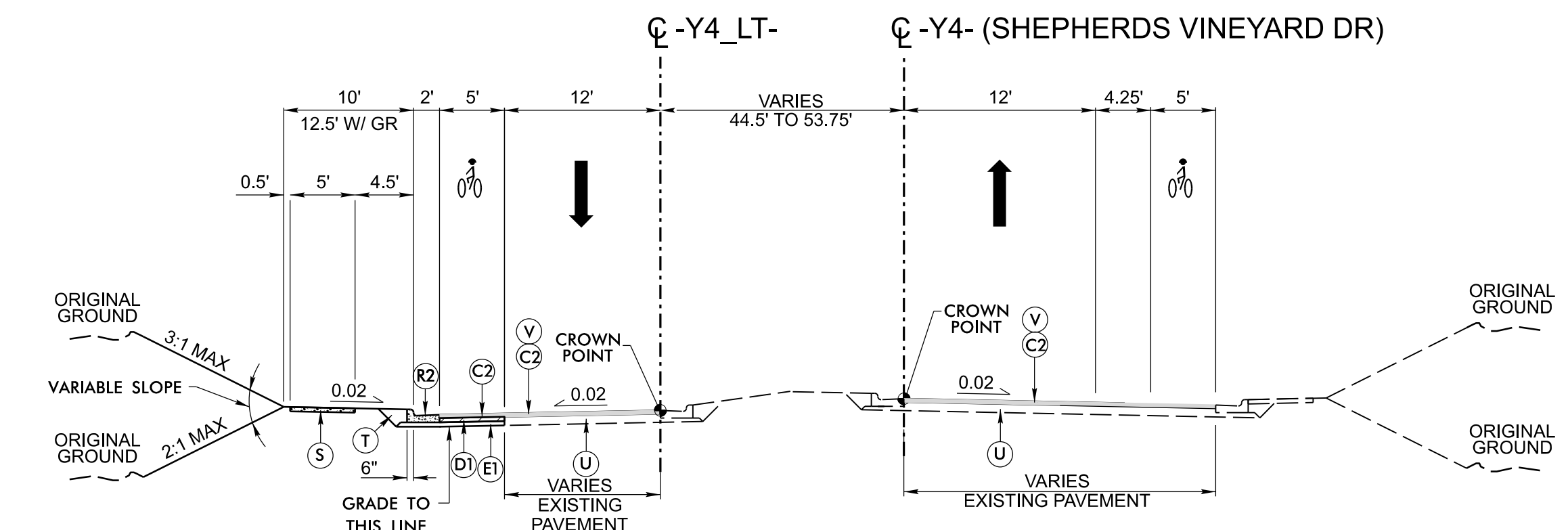
TYPICAL SECTION NO. 28
-Y4- STA. 25+95.65 TO 27+49.81
-Y4_LT- STA. 25+95.65 TO 27+48.98



TYPICAL SECTION NO. 29
-Y4- STA. 27+49.81 TO 28+20.00
-Y4_LT- STA. 27+48.98 TO 28+70.00
-Y4- STA. 30+60.00 TO 31+40.64
-Y4_LT- STA. 30+25.00 TO 31+03.26



TYPICAL SECTION NO. 30
-Y4- STA. 28+20.00 TO 28+90.00
-Y4_LT- STA. 28+70.00 TO 29+40.00



TYPICAL SECTION NO. 31
-Y4- STA. 28+90.00 TO 30+60.00
-Y4_LT- STA. 29+40.00 TO 30+25.00

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D2	VAR. I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
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R1	1'-6" C & G
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R8	SHOULDER BERM GUTTER
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
W2	WEDGING

U-5301

DRPS 2A-II

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY

Stantec

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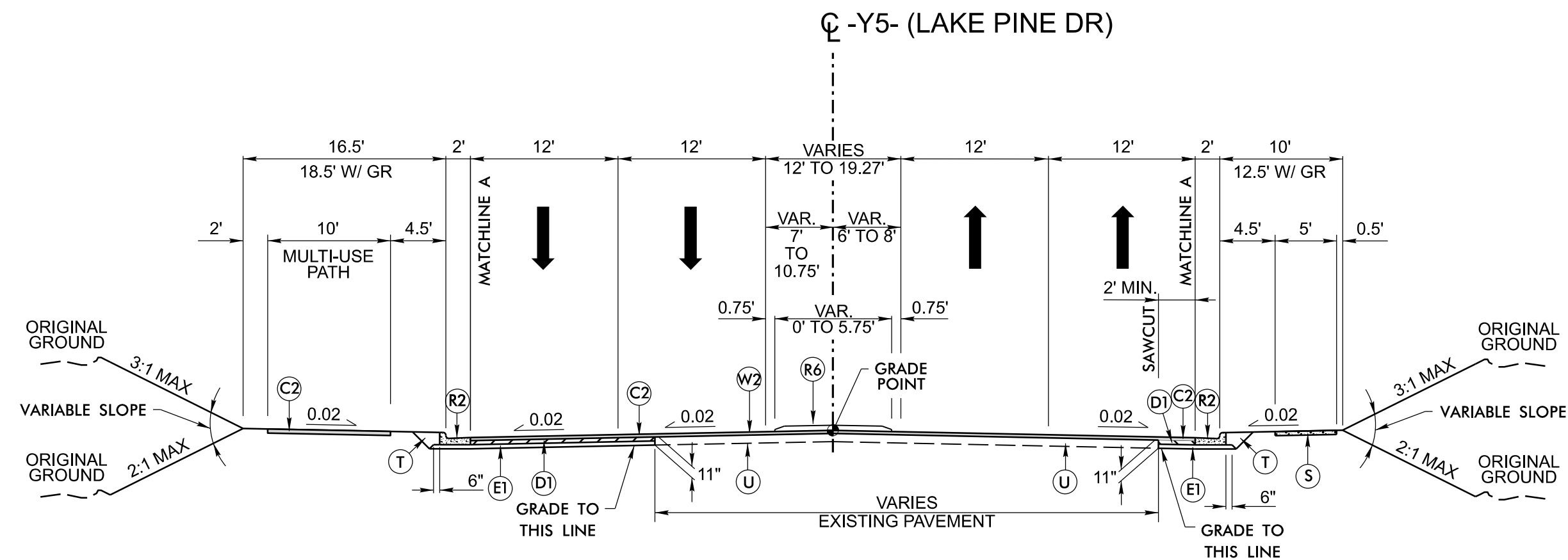
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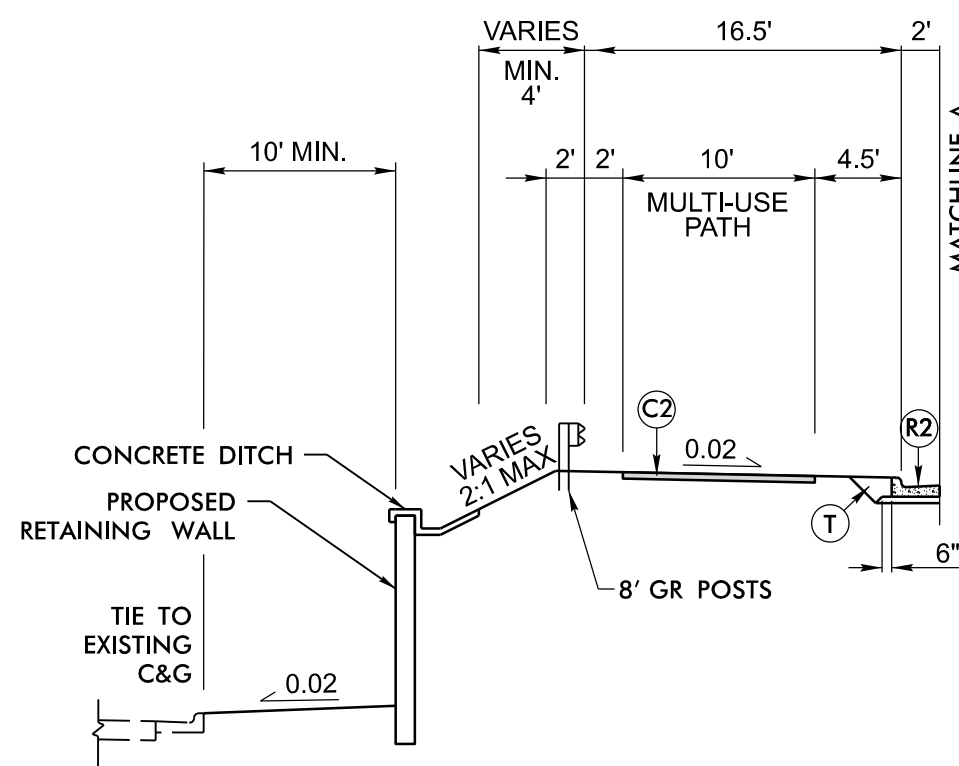
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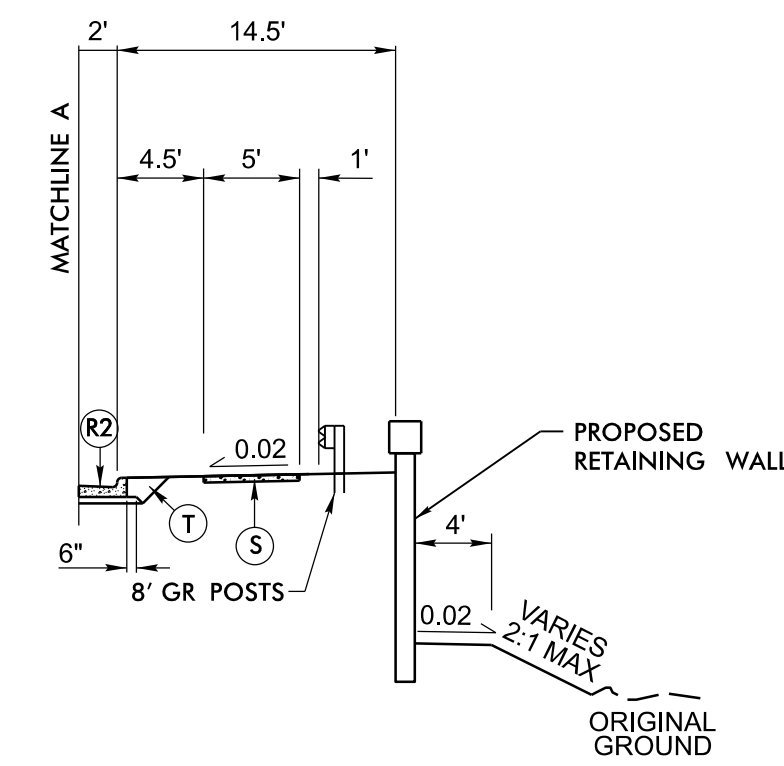
REVISIONS



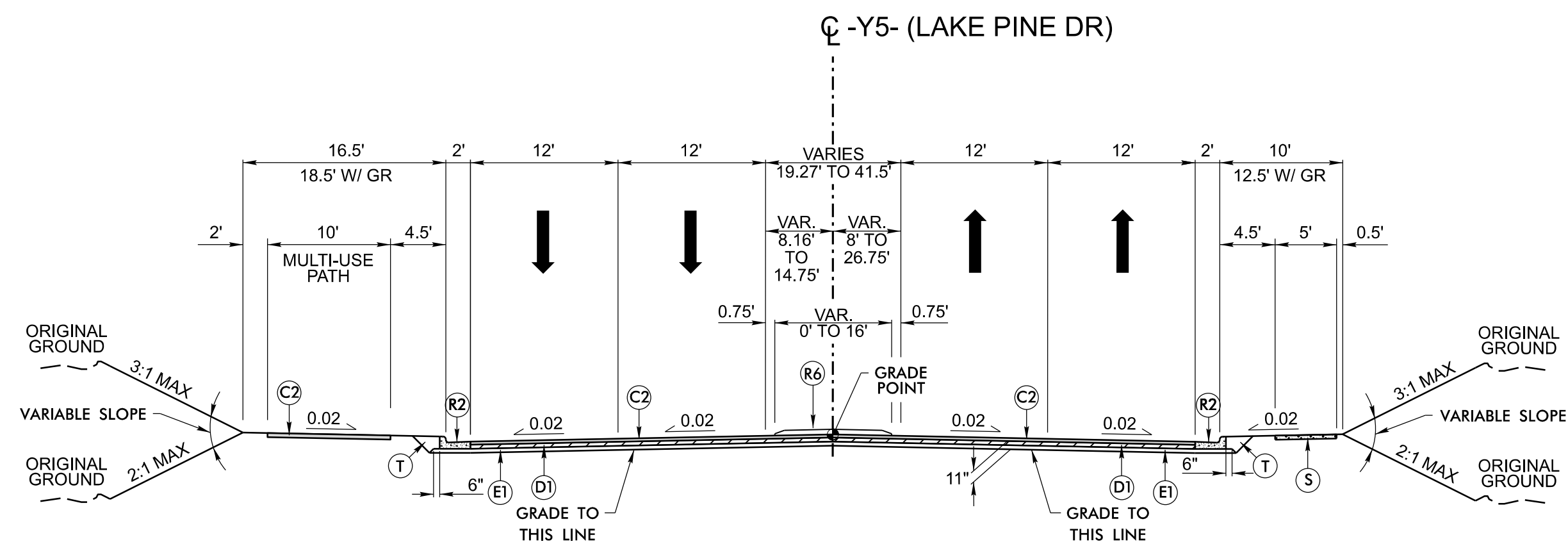
TYPICAL SECTION NO. 32
 -Y5- STA. 13+50.00 TO 14+40.00
 -Y5- STA. 28+00.00 TO 32+00.00



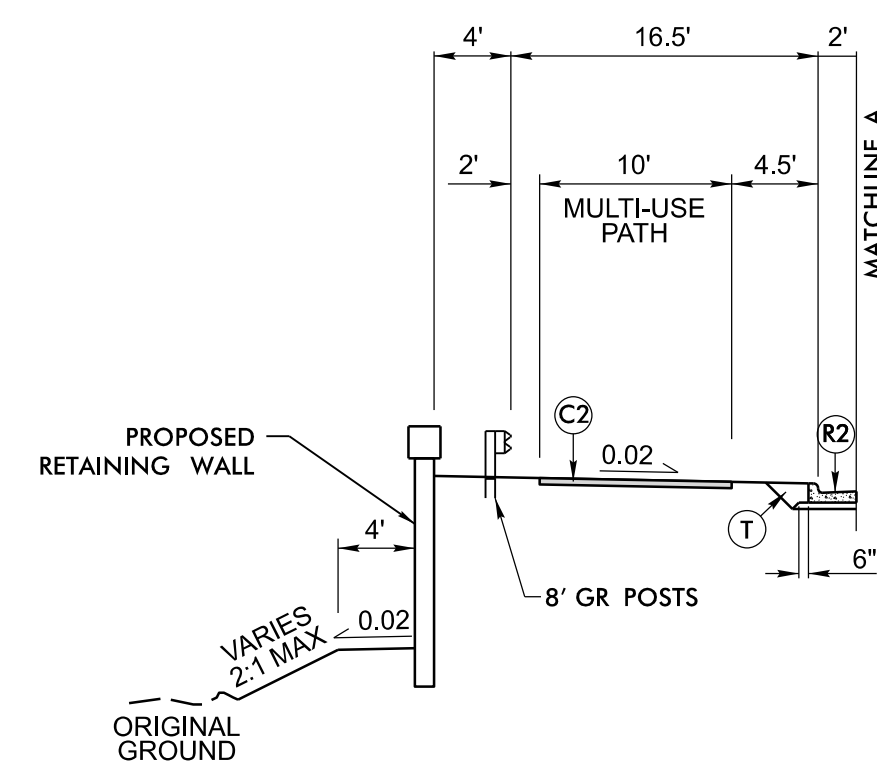
PARTIAL TYPICAL SECTION NO. 33A
 -Y5- STA. 14+40.00 TO 18+00.00 (LT)



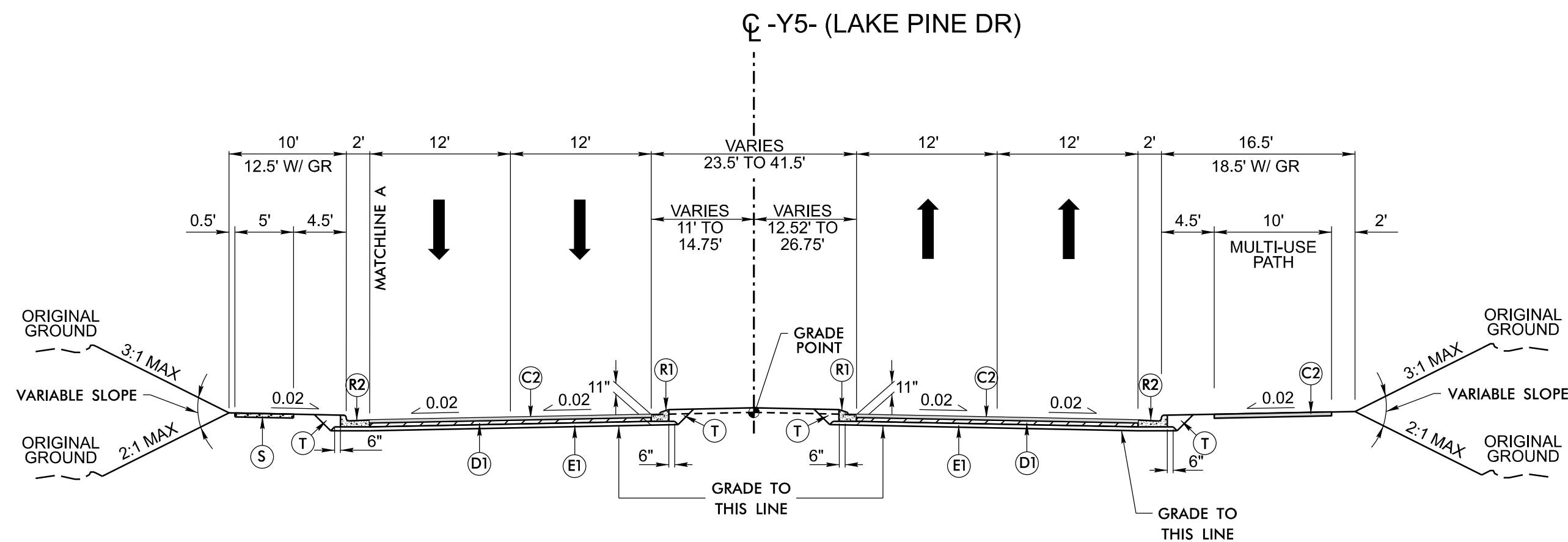
PARTIAL TYPICAL SECTION NO. 33B
 -Y5- STA. 17+80.00 TO 19+40.58 (RT)



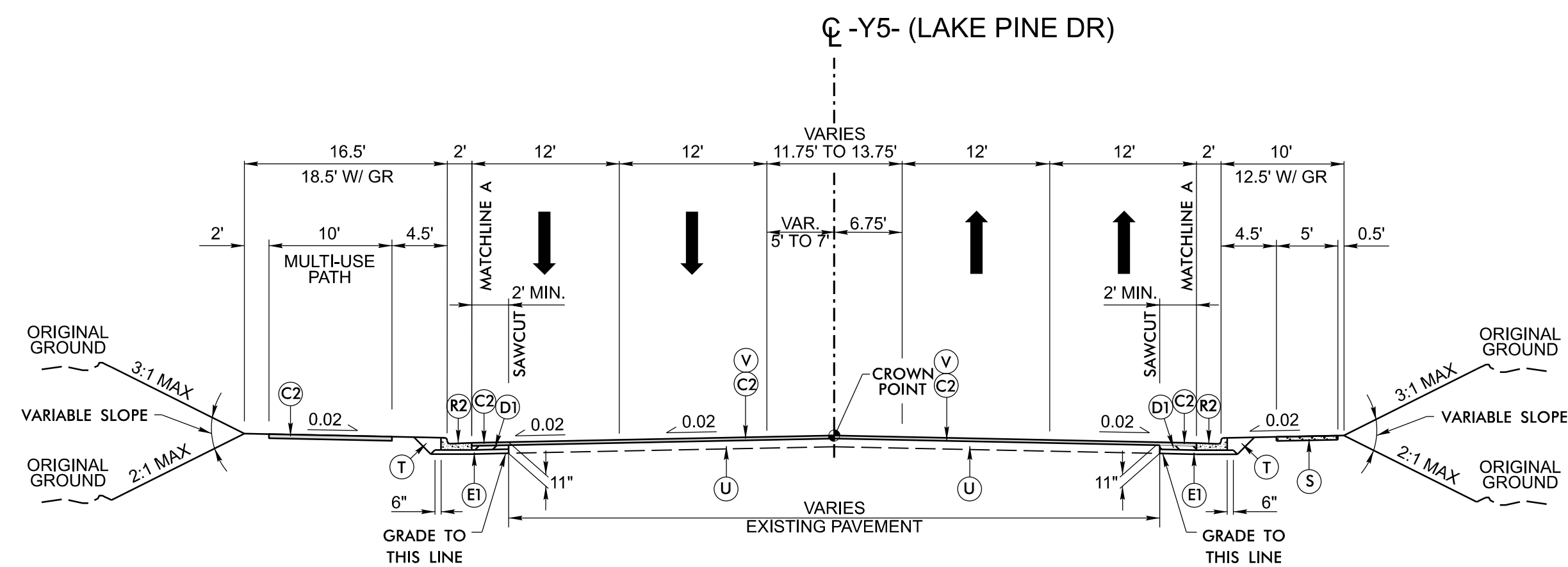
TYPICAL SECTION NO. 33
 -Y5- STA. 14+40.00 TO 20+34± (BEGIN BRIDGE)
 -Y5- STA. 21+93± (END BRIDGE) TO 22+69.90
 -Y5- STA. 26+80.59 TO 28+00.00



PARTIAL TYPICAL SECTION NO. 34A
 -Y5- STA. 23+50.00 TO 26+55.00 (LT)



TYPICAL SECTION NO. 34
 -Y5- STA. 22+69.90 TO 26+80.59



TYPICAL SECTION NO. 35
 -Y5- STA. 32+00.00 TO 34+65.00

- NOTES:
1. ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.
 2. TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY. SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS / ROUNDABOUT.
 3. SEE PLANS FOR EXACT CONCRETE CURB & ISLAND LOCATIONS.
 4. SEE PLANS FOR SIDEWALK LOCATIONS.

PAVEMENT SCHEDULE (ASSUMED PAVEMENT DESIGN)	
A1	10" TRUCK APRON
A2	6" P.C.C.P.
C1	1.5" S9.5C
C2	3" S9.5C
C3	VAR. S9.5C
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	1'-6" C & G
R2	2'-6" C & G
R3	2'-9" C & G
R4	8"x18" CURB
R5	MODIFIED VALLEY GUTTER
R6	5" MCI
R7	EXPRESSWAY GUTTER
R8	SHOULDER BERM GUTTER
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
W2	WEDGING

U-5301
DRPS 2A-12
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WAKE COUNTY

ROADWAY DESIGN UNIT
 ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY
Stantec
 Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. (919) 851-6866
 Fax. (919) 851-7024
 www.stantec.com
 License No. F-0672

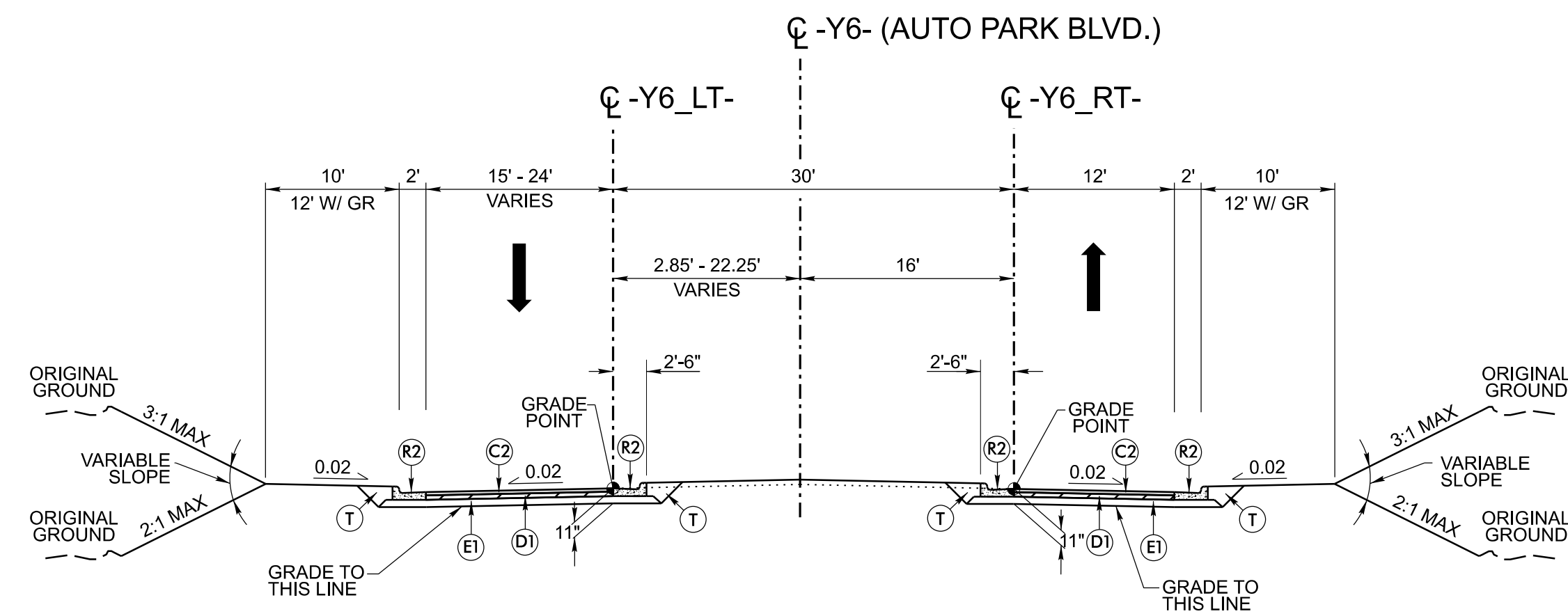
stv STV Engineers, Inc.
 405 Hargett Street, Suite 400
 Raleigh, NC 27603
 NC License Number E-0991

SUNGATE
 5800 E. Lake Blvd., Ste. 100, Raleigh, North Carolina 27606
 Phone: (919) 829-2242 - Eng. Firm License No. C-899

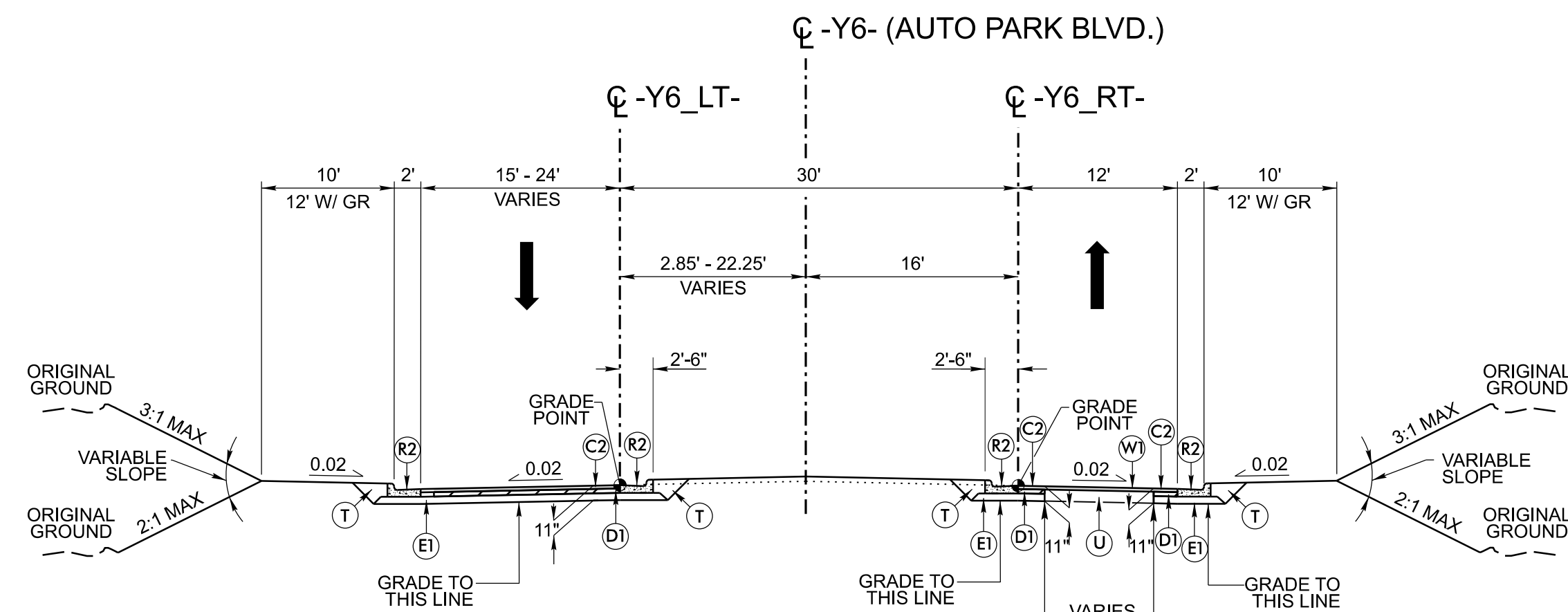
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INCOMPLETE PLANS
 DO NOT USE FOR R.F. AUGMENTATION

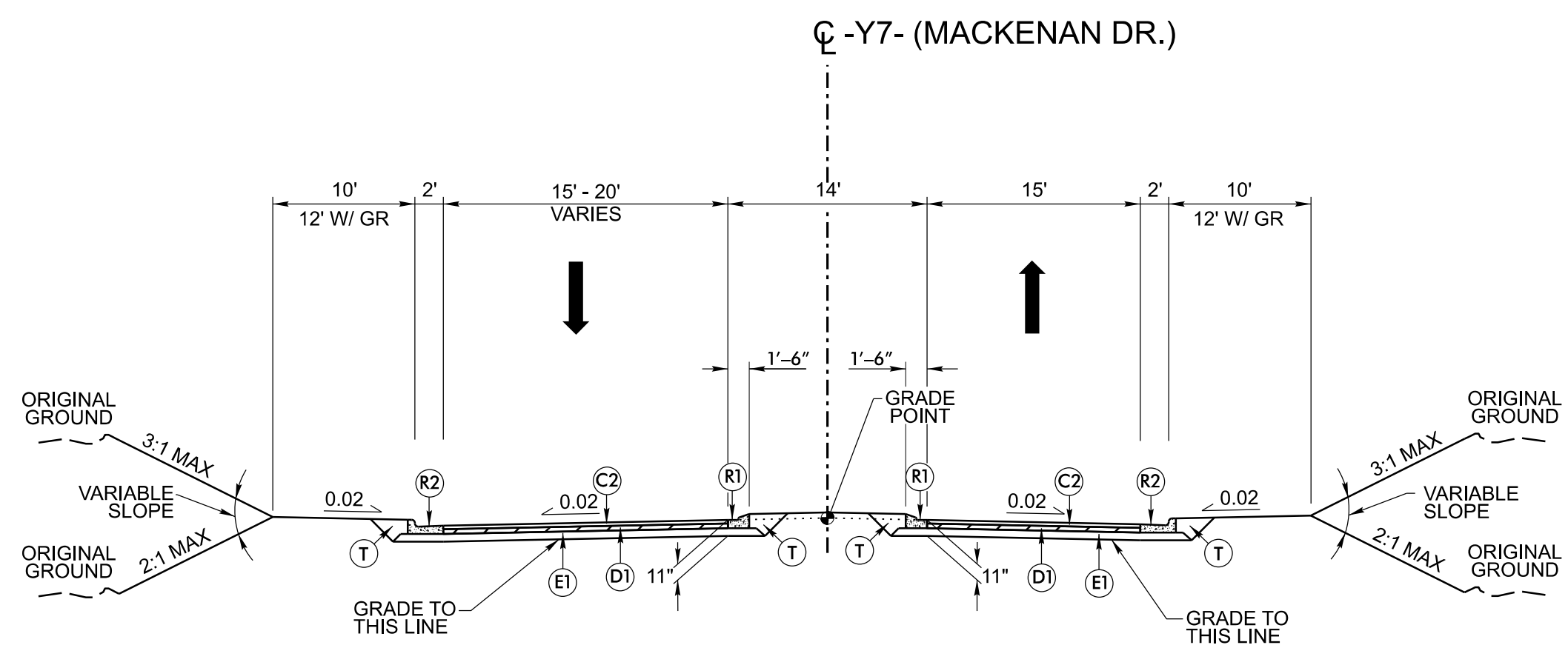
REVISIONS



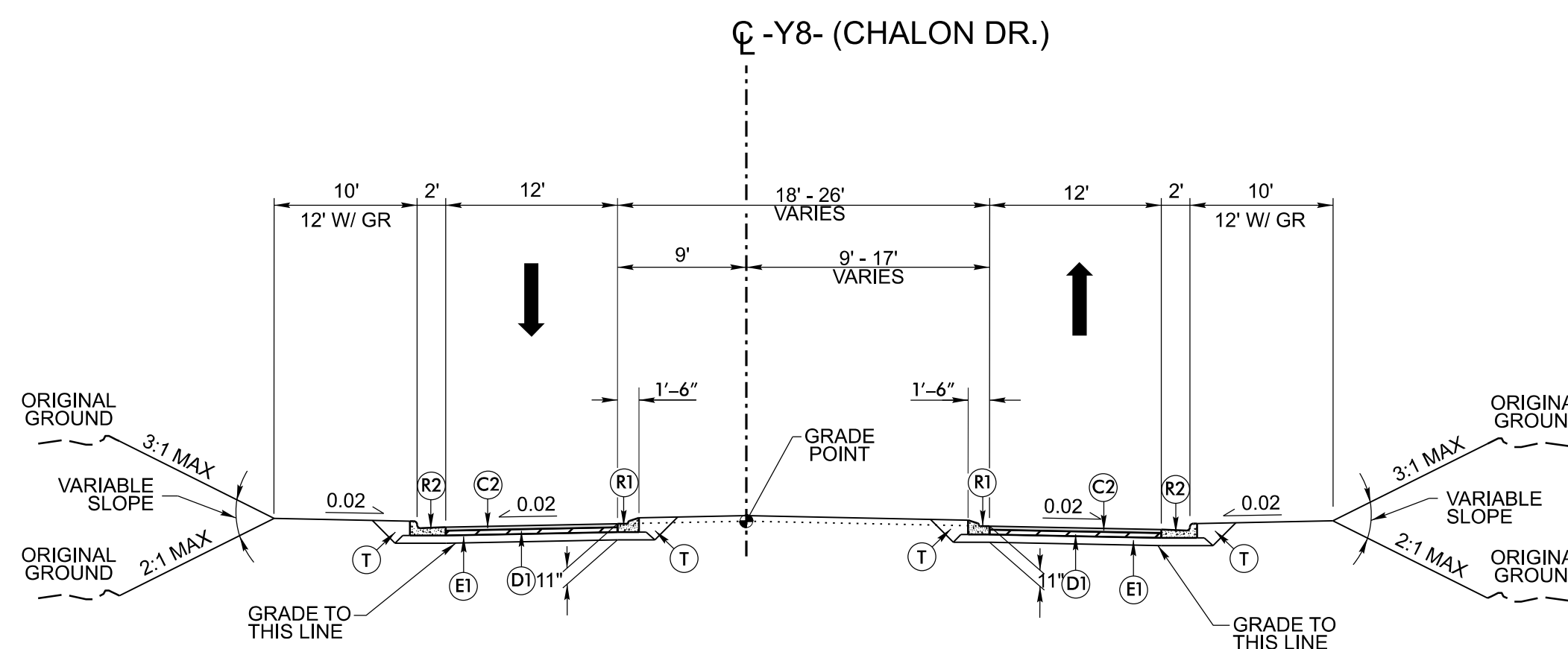
TYPICAL SECTION NO. 36
-Y6- STA. 10+70.23 TO 11+20.00



TYPICAL SECTION NO. 37
-Y6- STA. 11+20.00 TO 11+70.00



TYPICAL SECTION NO. 38
-Y7- STA. 10+53.50 TO 12+50.00



TYPICAL SECTION NO. 39
-Y8- STA. 13+10.00 TO 14+55.85

- NOTES:
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C3	VAR. S9.5C
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	1'-6" C & G
R2	2'-6" C & G
R3	2'-9" C & G
R4	8"x18" CURB
R5	MODIFIED VALLEY GUTTER
R6	5" MCI
R7	EXPRESSWAY GUTTER
R8	SHOULDER BERM GUTTER
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
W2	WEDGING

U-5301
DRPS 2A-13
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY



Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
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Fax. (919) 851-7024
www.stantec.com
License No. F-0672



STV Engineers, Inc.
405 Hargett Street
Suite 400
Raleigh, NC 27603
NC License Number F-0991

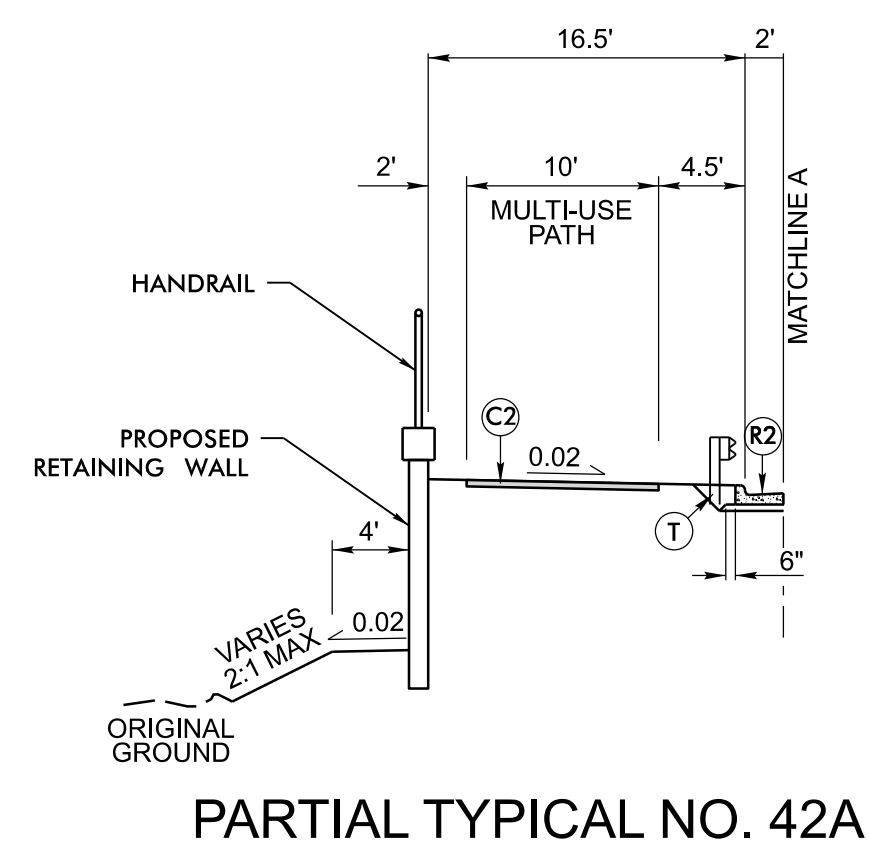
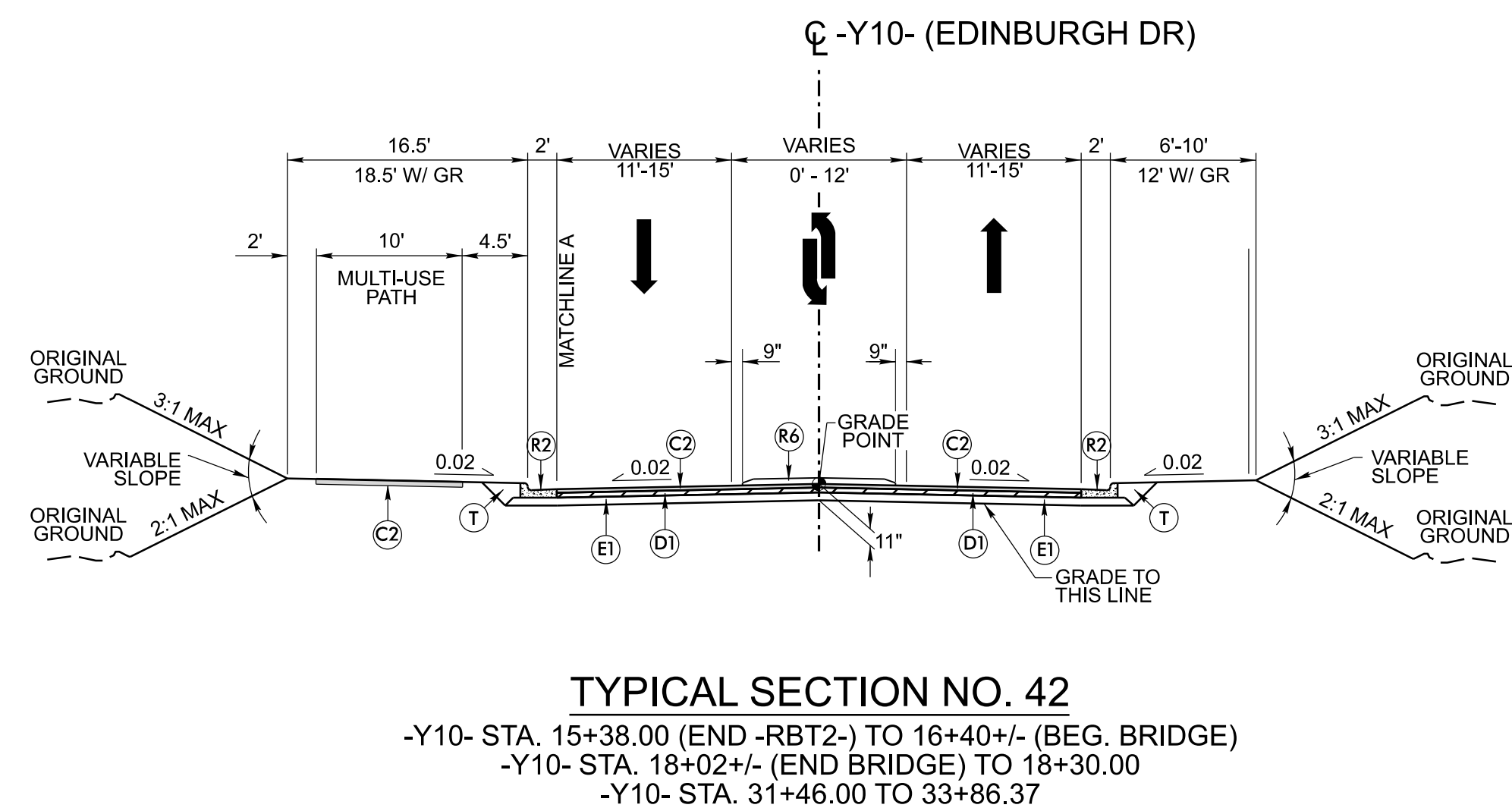
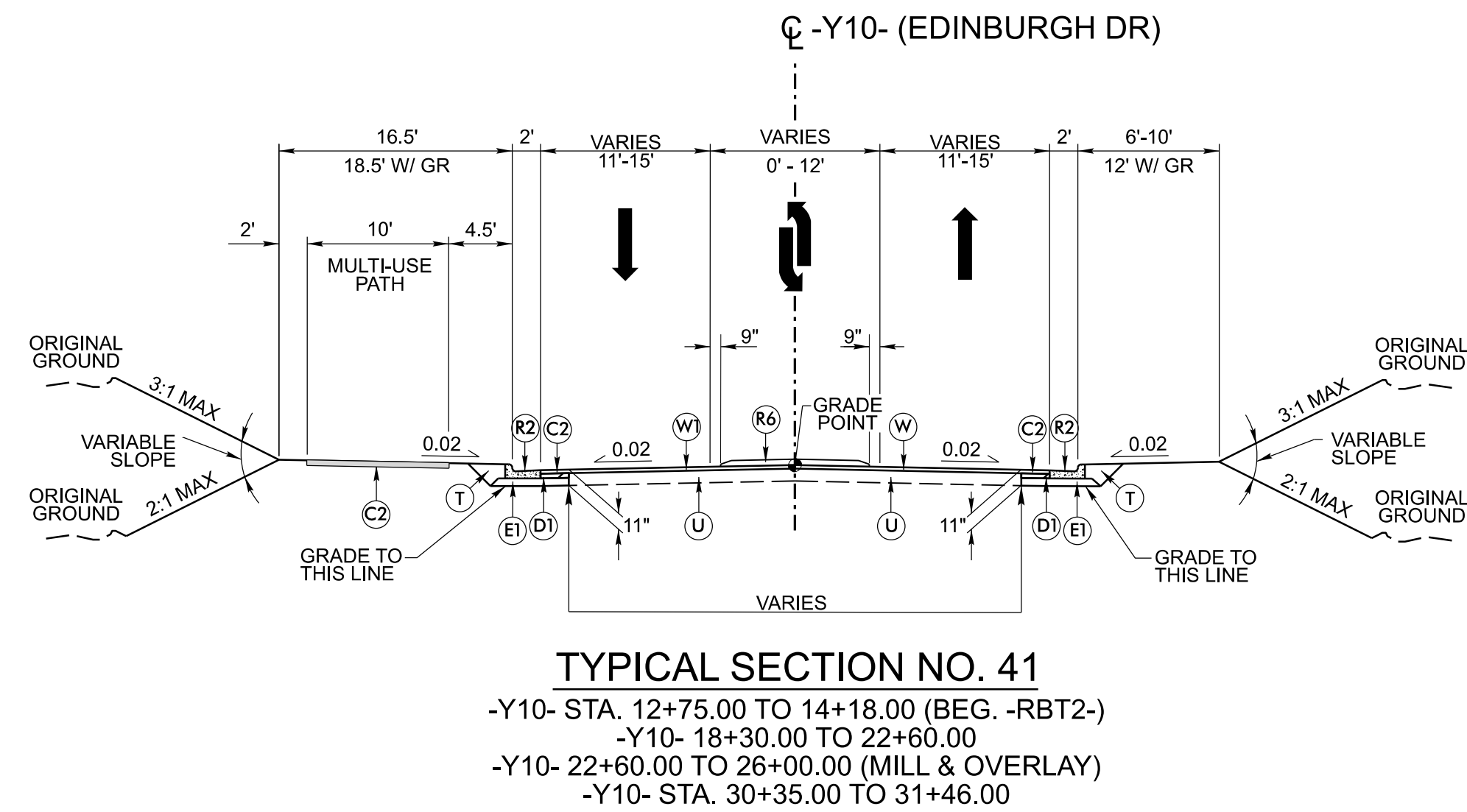
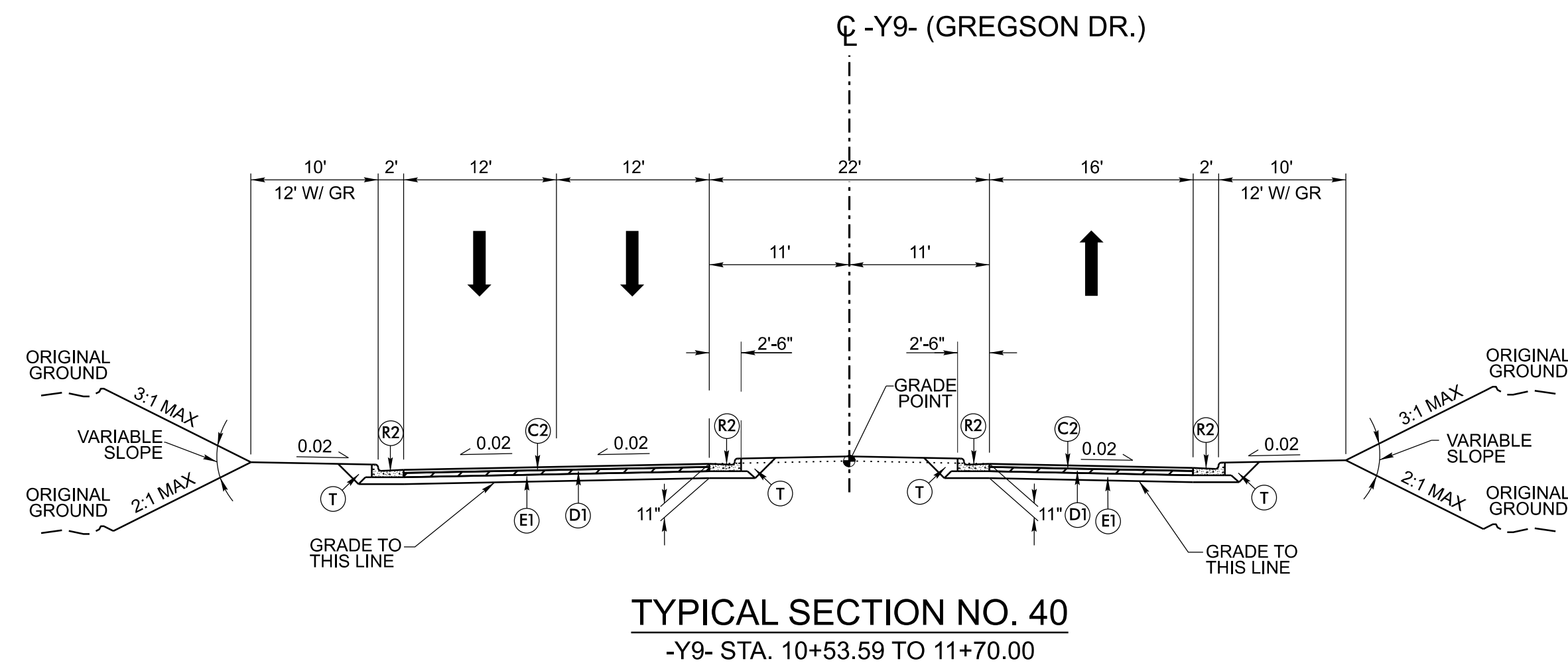
SUNGATE
3151 S.W. 15th Ave.
Miami, FL 33155

3840 E. 15th Ave., Suite 100, Raleigh, North Carolina 27606
Phone: (919) 829-2242 - Fax: (919) 829-2242

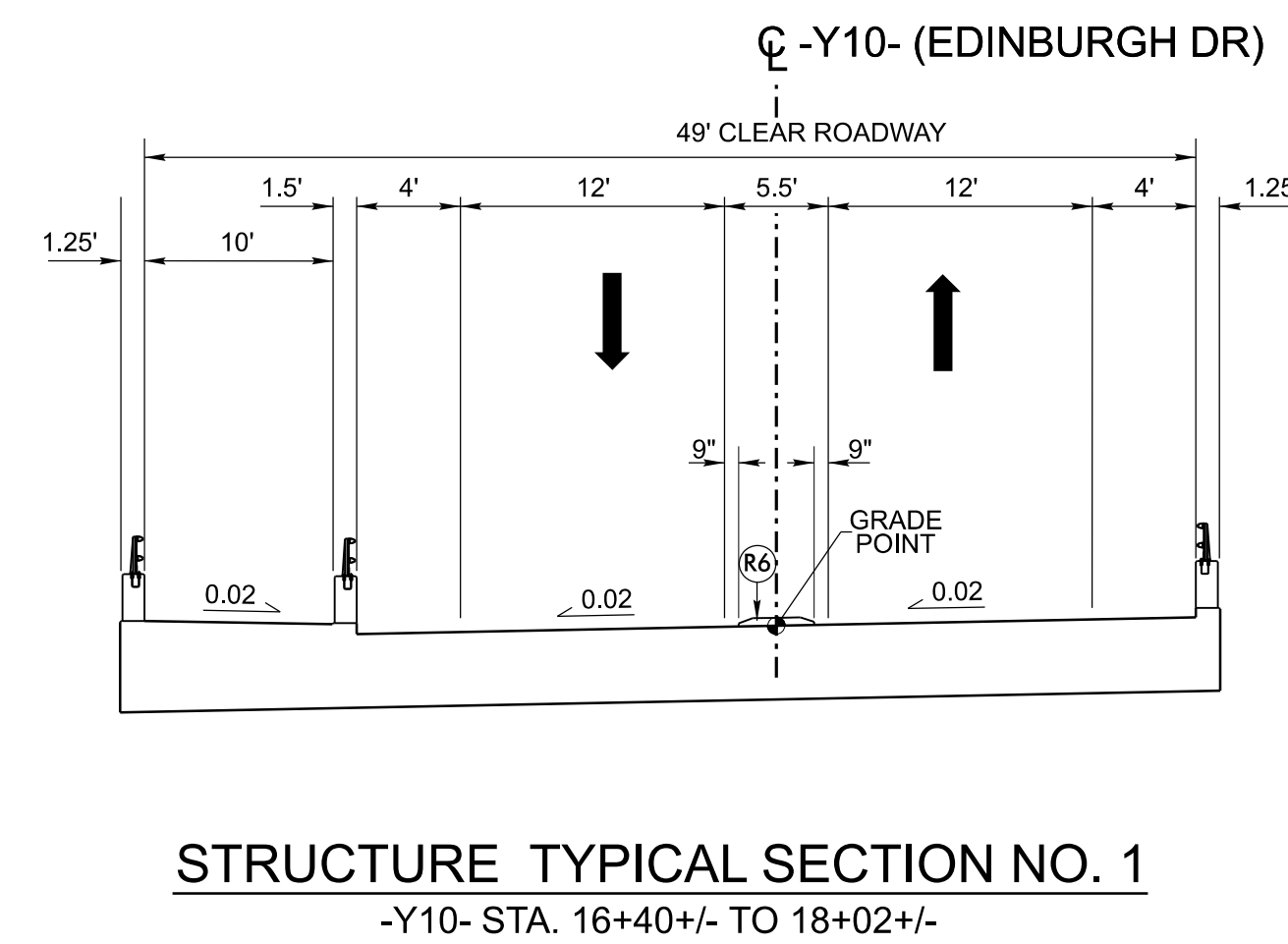
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INCOMPLETE PLANS
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REVISIONS



USE PARTIAL TYPICAL SECTION NO. 42A IN CONJUNCTION WITH TYPICAL SECTION NO. 42 FOR C&G LOCATIONS
-Y10- STA. 17+95.00 TO STA. 20+25.00 LT



- NOTES:
1. ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.
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C1	1.5" S9.5C
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C3	VAR. S9.5C
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	1'-6" C & G
R2	2'-6" C & G
R3	2'-9" C & G
R4	8"x18" CURB
R5	MODIFIED VALLEY GUTTER
R6	5" MCI
R7	EXPRESSWAY GUTTER
R8	SHOULDER BERM GUTTER
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
W2	WEDGING

U-5301
DRPS 2A-14
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY
Stantec

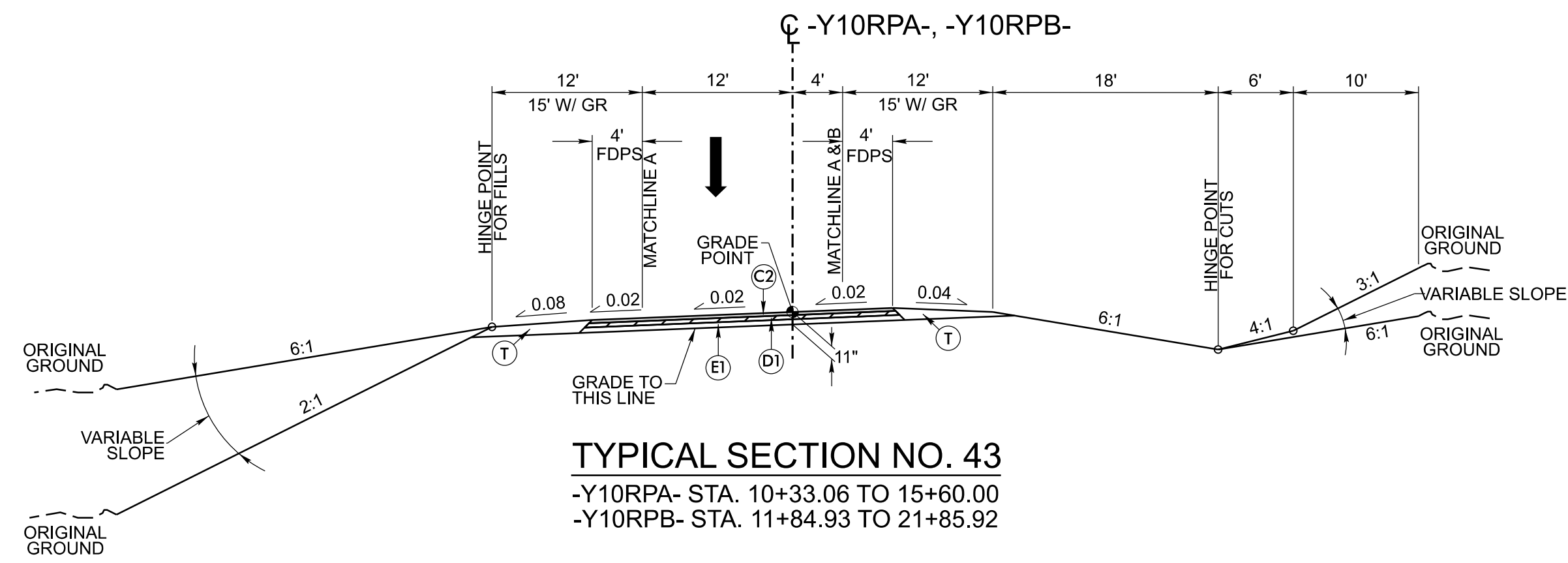
Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672

STV STV Engineers, Inc.
405 Westborough St.
Suite 410
Raleigh, NC 27603
NC License Number E-0991

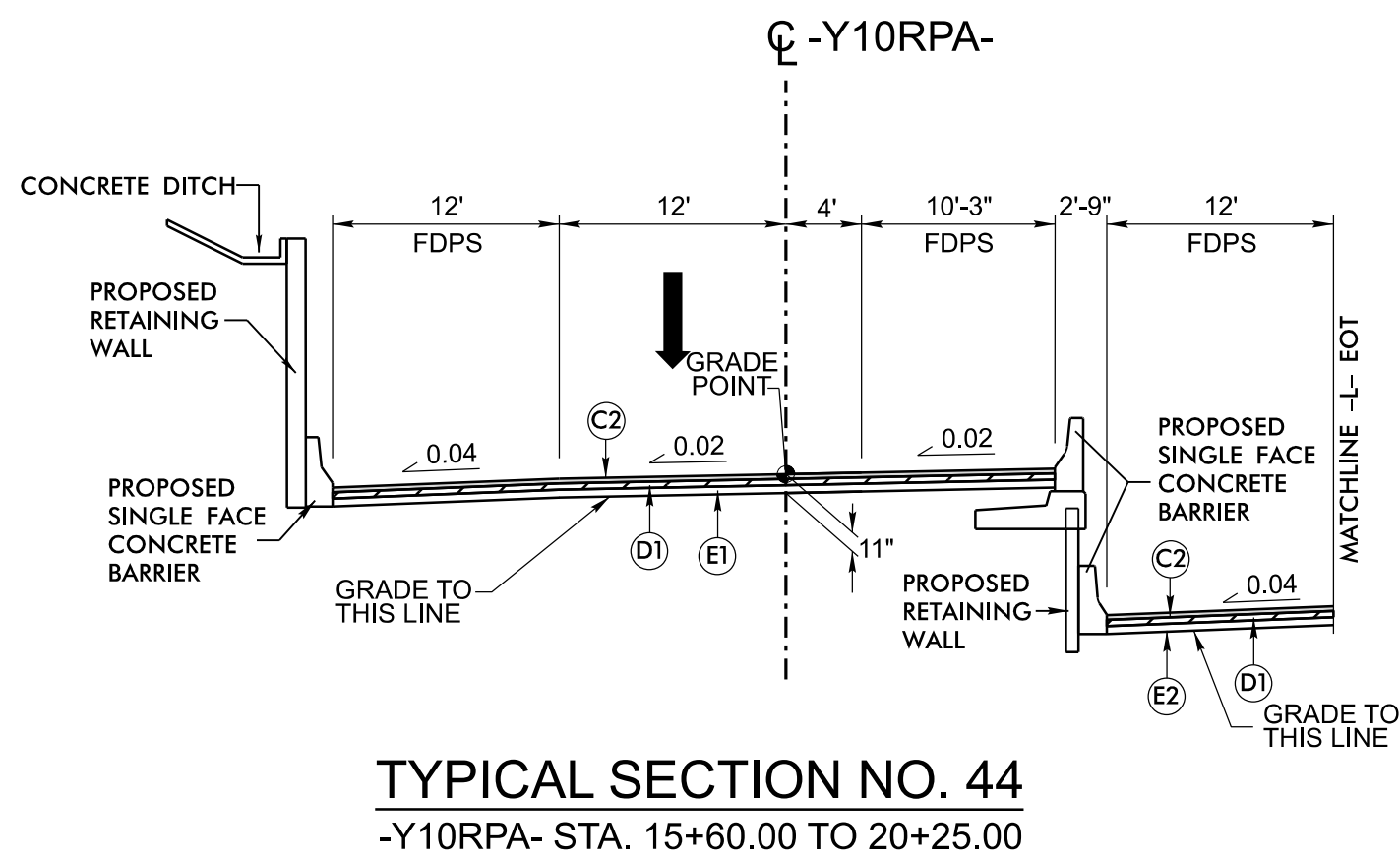
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SUNGATE CONSULTING
3840 E. Duke Ct., Ste. 100 Raleigh, North Carolina 27606
Phone: (919) 829-2243 - Eng. Firm License No. C-899

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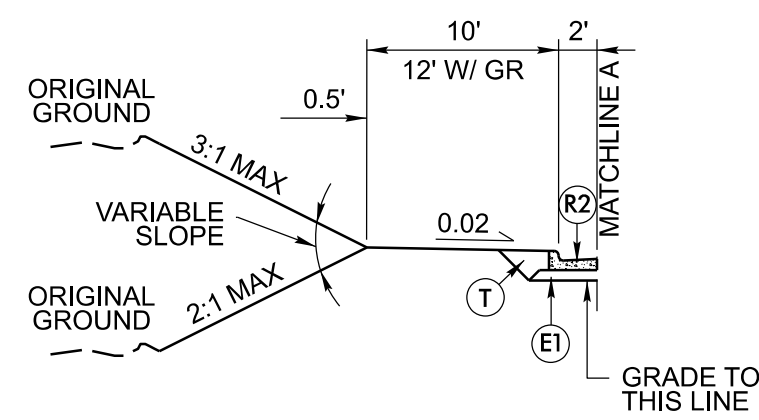
REVISIONS



TYPICAL SECTION NO. 43
 -Y10RPA- STA. 10+33.06 TO 15+60.00
 -Y10RPB- STA. 11+84.93 TO 21+85.92



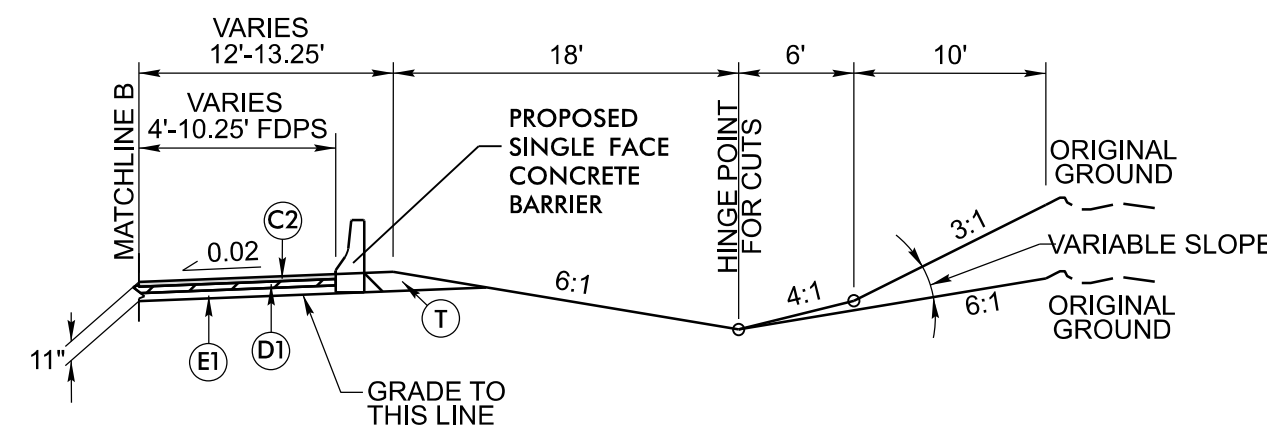
TYPICAL SECTION NO. 44
 -Y10RPA- STA. 15+60.00 TO 20+25.00



PARTIAL TYPICAL NO. 43A

USE PARTIAL TYPICAL SECTION NO. 43A IN CONJUNCTION WITH TYPICAL SECTION NO. 43 FOR C&G LOCATIONS

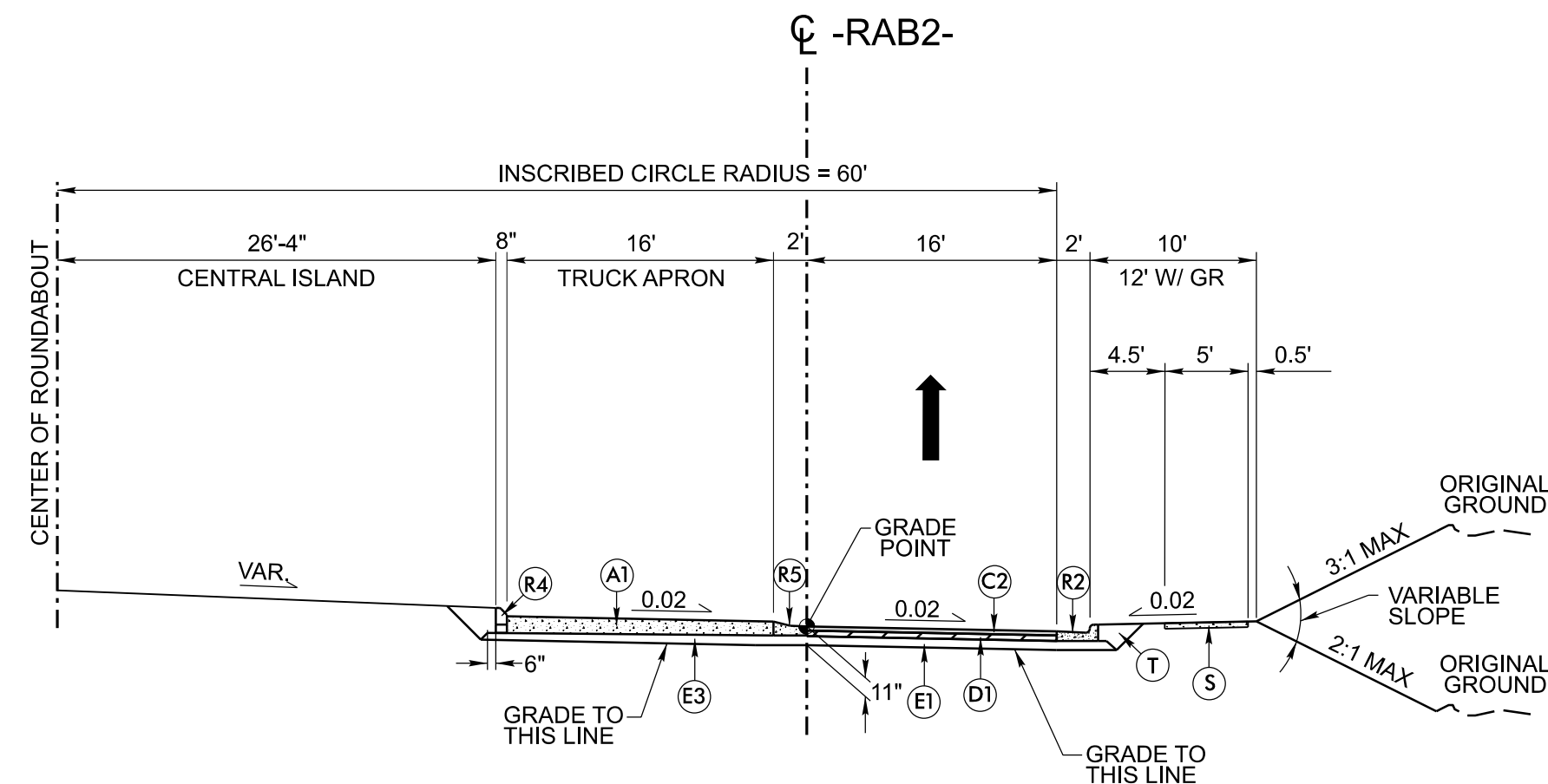
-Y10RPA- STA. 10+33.06 TO STA. 11+27.21 (LT & RT)
 -Y10RPB- STA. 21+06.24 TO STA. 21+85.92 (LT & RT)



PARTIAL TYPICAL NO. 43B

USE PARTIAL TYPICAL SECTION NO. 43B IN CONJUNCTION WITH TYPICAL SECTION NO. 43

-Y10RPA- STA. 12+97.30 TO 15+60.00 RT



TYPICAL SECTION NO. 45
 -RAB2- STA. 10+00.00 TO 12+82.74

- NOTES:
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 2. TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY. SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS / ROUNDABOUT.
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PAVEMENT SCHEDULE (ASSUMED PAVEMENT DESIGN)	
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C1	1.5" S9.5C
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C3	VAR. S9.5C
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D2	VAR. I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	1'-6" C & G
R2	2'-6" C & G
R3	2'-9" C & G
R4	8"x18" CURB
R5	MODIFIED VALLEY GUTTER
R6	5" MCI
R7	EXPRESSWAY GUTTER
R8	SHOULDER BERM GUTTER
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
W2	WEDGING

U-5301
 DRPS 2A-15
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WAKE COUNTY

ROADWAY DESIGN UNIT
 ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY

Stantec
 Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. (919) 851-6866
 Fax. (919) 851-7024
 www.stantec.com
 License No. F-0672

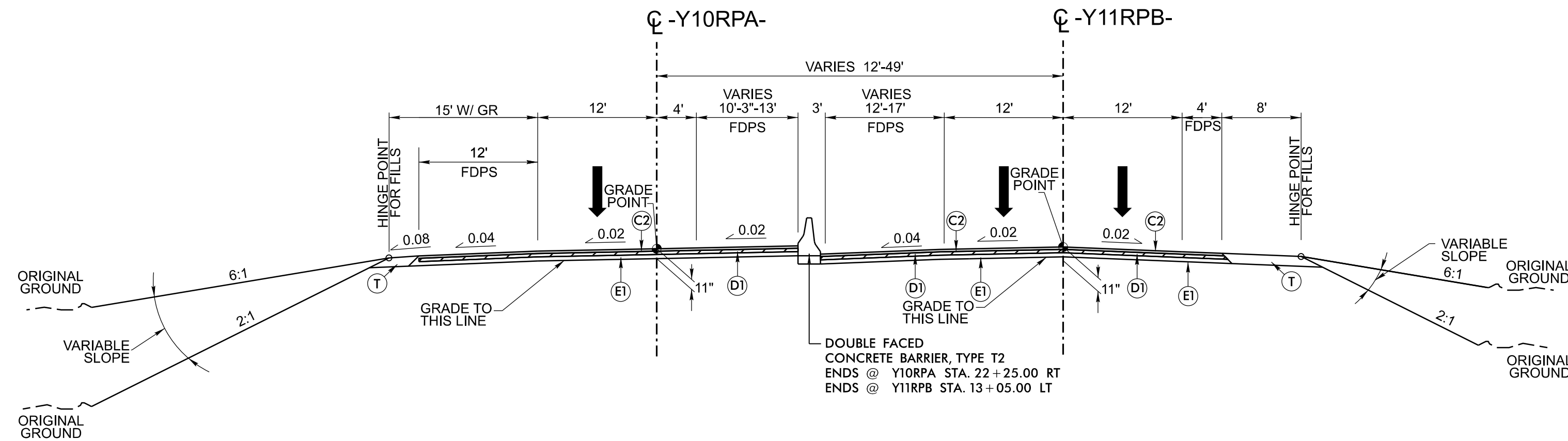
STV STV Engineers, Inc.
 405 Westborough St.
 Suite 410
 Raleigh, NC 27603
 NC License Number F-0991

SUNGATE
 5805 E. Burke Ct., Ste. 100 - Raleigh, North Carolina 27606
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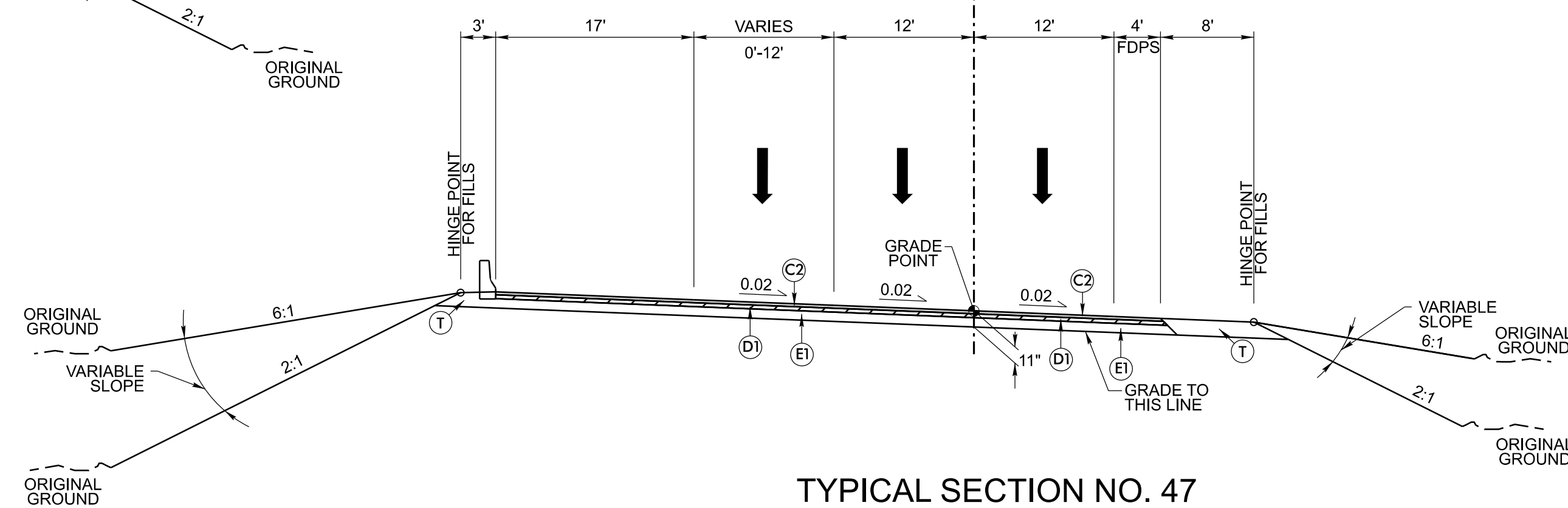
INCOMPLETE PLANS DO NOT USE FOR R.W. ACQUISITION

REVISIONS

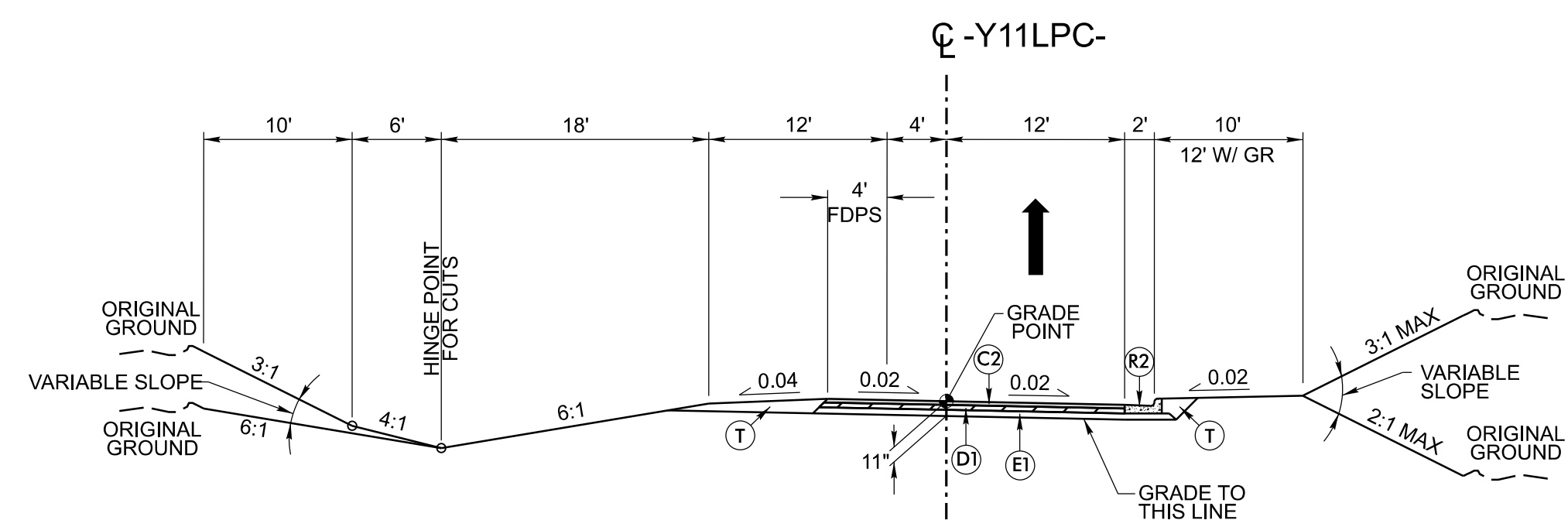


TYPICAL SECTION NO. 46

-Y10RPA- STA. 20+25.00 TO 27+10.27
 -Y11RPB- STA. 10+00.00 TO 18+02.61

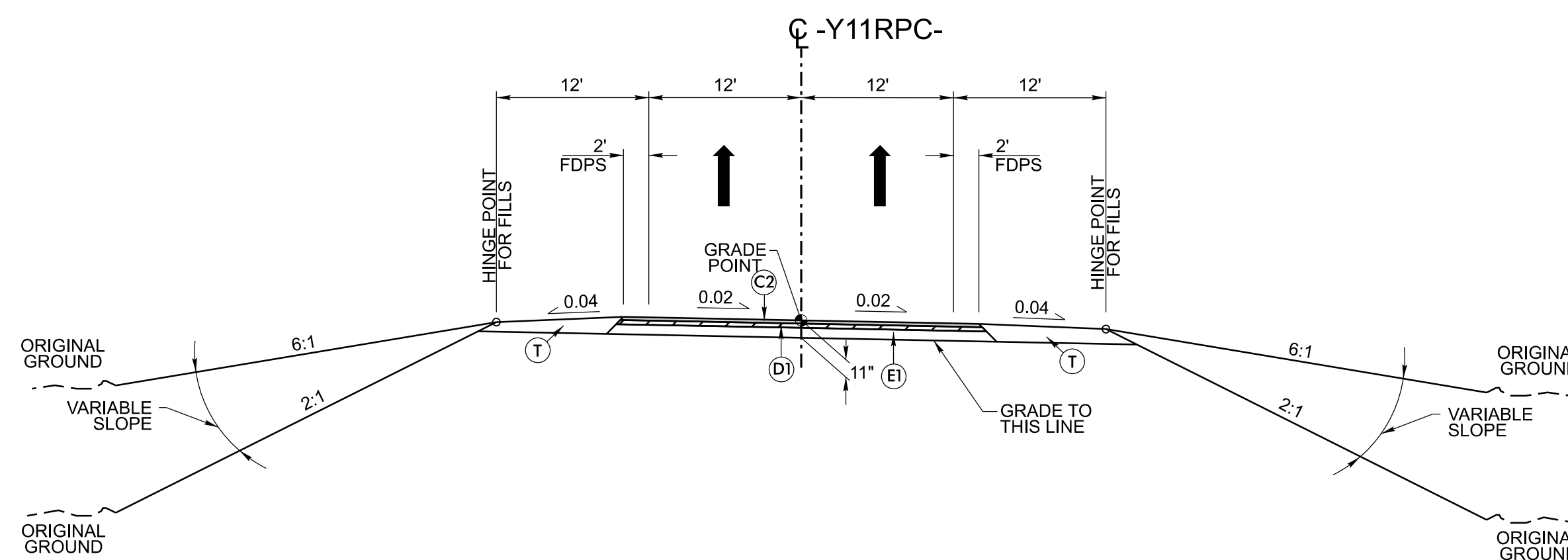


TYPICAL SECTION NO. 47
 -Y11RPB- STA. 18+02.61 TO 30+05.47



TYPICAL SECTION NO. 48

-Y11LPC- STA. 10+00.00 TO 13+75.00



TYPICAL SECTION NO. 49

-Y11RPC- STA. 10+33.89 TO 13+70.00

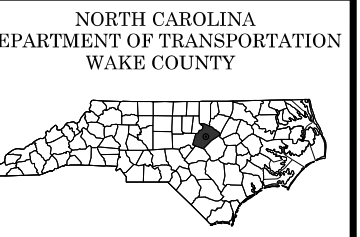
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 4. SEE PLANS FOR SIDEWALK LOCATIONS.

PAVEMENT SCHEDULE
 (ASSUMED PAVEMENT DESIGN)

A1	10" TRUCK APRON
A2	6" P.C.C.P.
C1	1.5" S9.5C
C2	3" S9.5C
C3	VAR. S9.5C
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	1'-6" C & G
R2	2'-6" C & G
R3	2'-9" C & G
R4	8"x18" CURB
R5	MODIFIED VALLEY GUTTER
R6	5" MCI
R7	EXPRESSWAY GUTTER
R8	SHOULDER BERM GUTTER
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
W2	WEDGING

U-5301

DRPS 2A-16



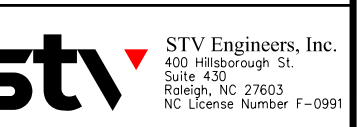
ROADWAY DESIGN UNIT
 ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY



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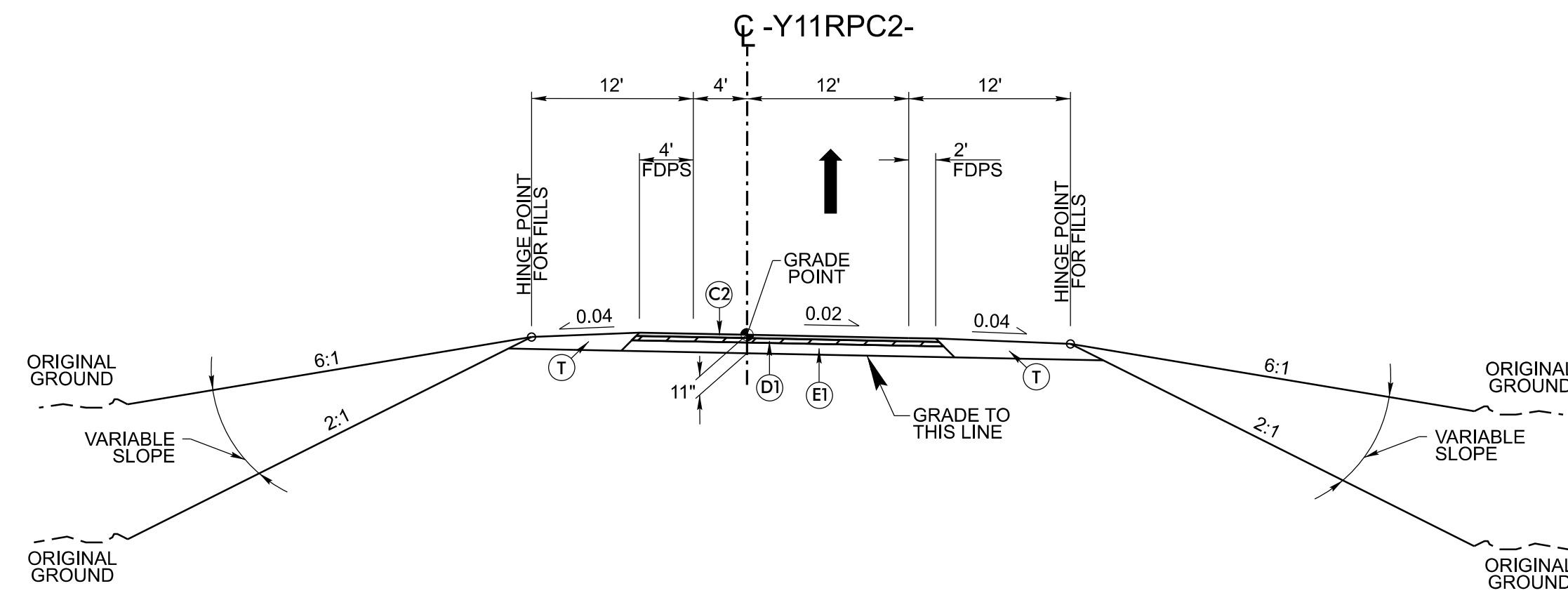
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INCOMPLETE PLANS DO NOT USE FOR R.W. ACQUISITION

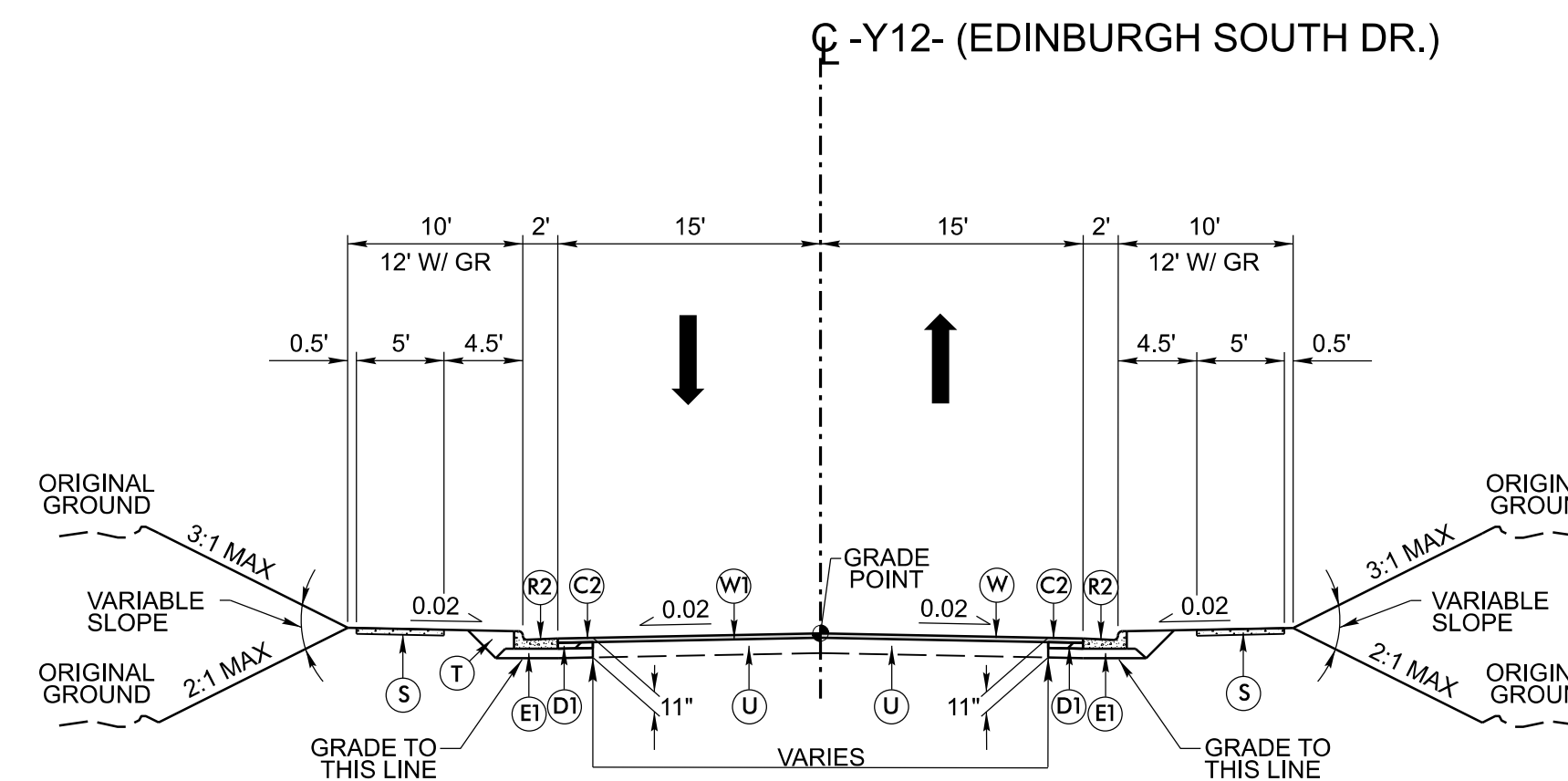
REVISIONS



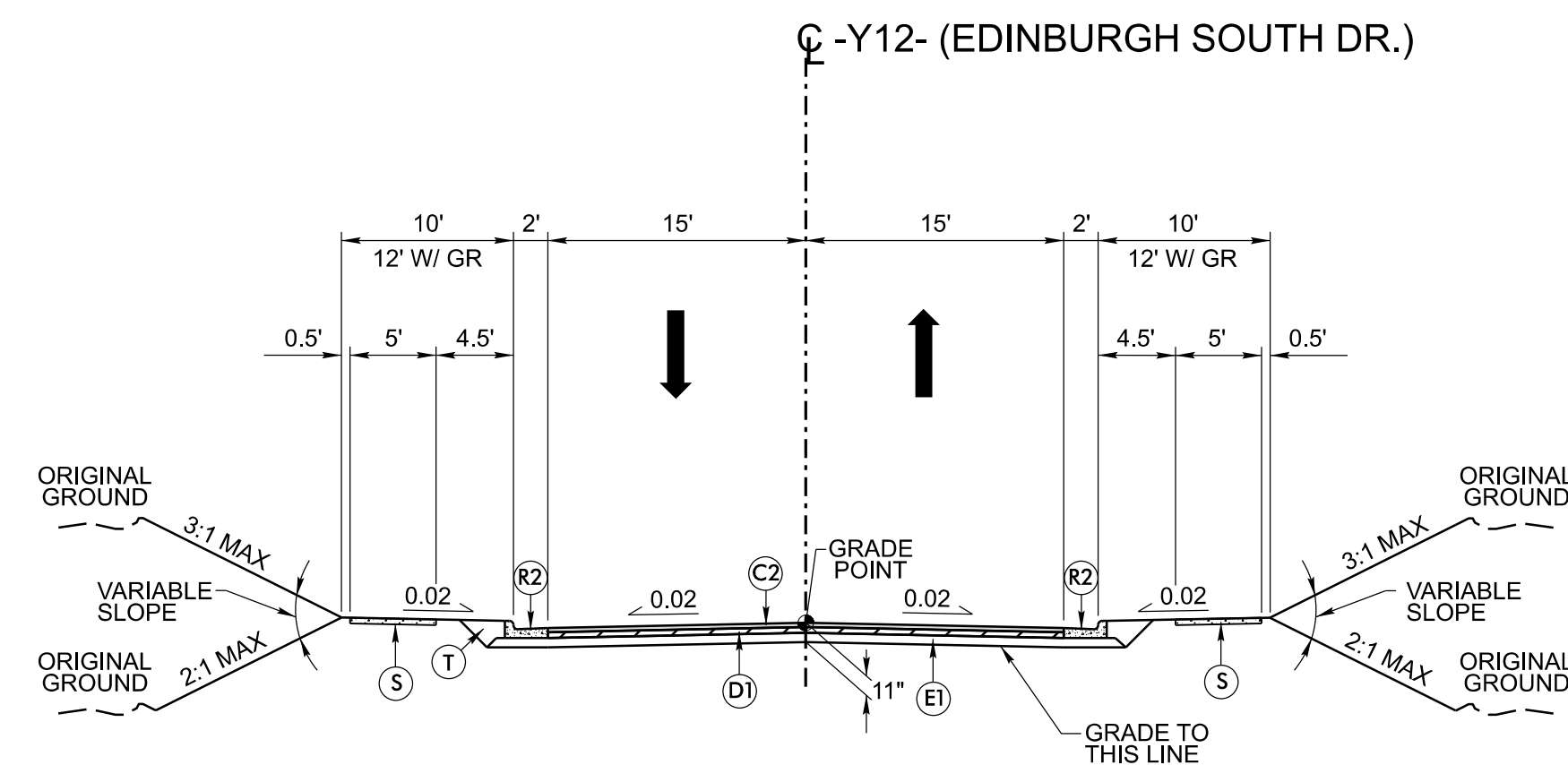
SUNGATE
 5800 E. Duke Cl. Ste. 100 - Raleigh, North Carolina 27606
 Phone: (919) 829-2243 - Fax: (919) 829-2243
 License No. C-809



TYPICAL SECTION NO. 50
-Y11RPC2- STA. 10+00.00 TO 11+81.04



TYPICAL SECTION NO. 51
-Y12- STA. 17+00.00 TO 18+37.00

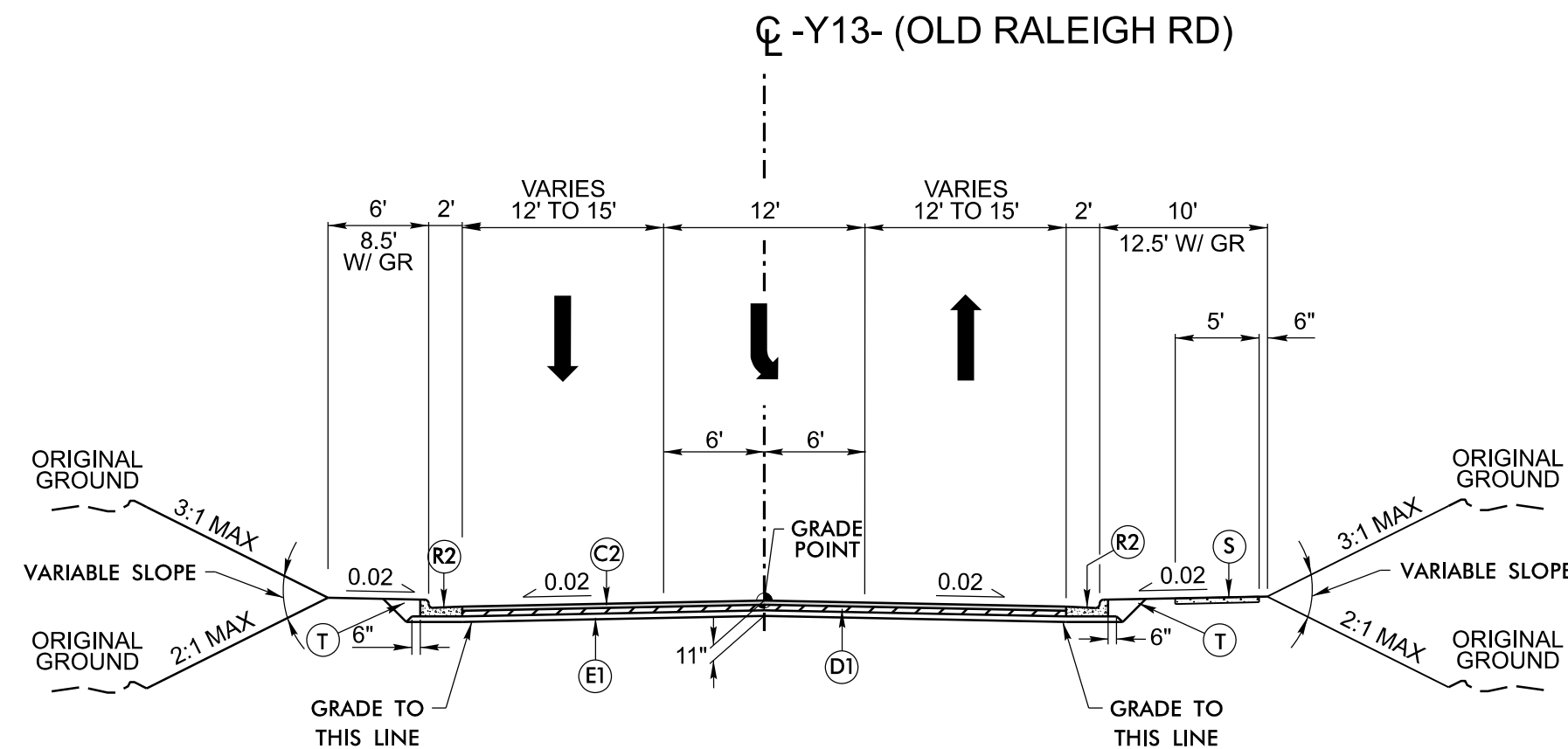


TYPICAL SECTION NO. 52
-Y12- STA. 18+37.00 TO 21+64.80

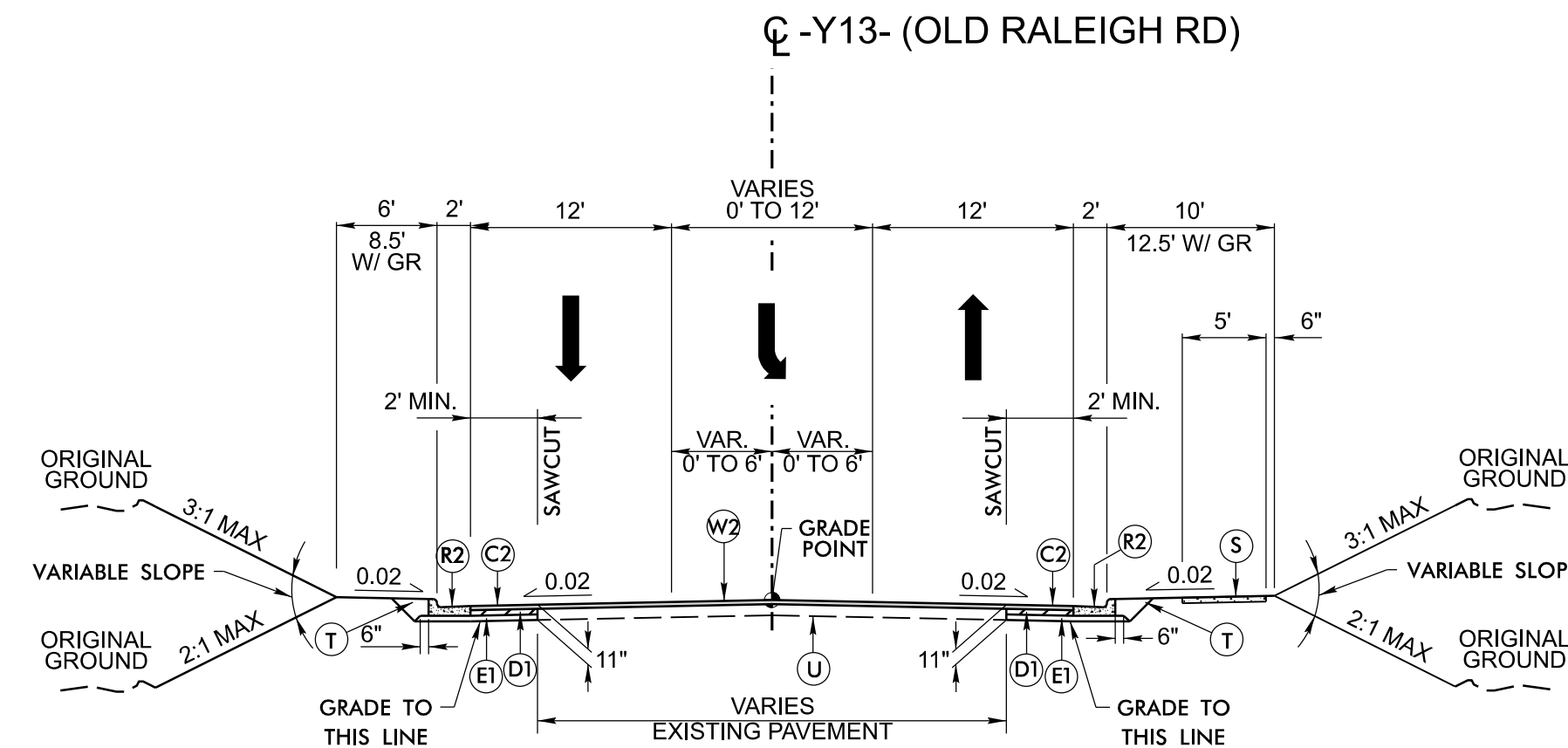
PAVEMENT SCHEDULE (ASSUMED PAVEMENT DESIGN)		U-5301
A1	10" TRUCK APRON	DRPS 2A-17
A2	6" P.C.C.P.	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WAKE COUNTY
C1	1.5" S9.5C	
C2	3" S9.5C	ROADWAY DESIGN UNIT ROADWAY DESIGN ENGINEER
C3	VAR. S9.5C	
D1	4" I19.0C	
D2	VAR. I19.0C	
E1	4" B25.0C	
E2	5" B25.0C	
E3	VAR. B25.0C	HYDRAULICS ENGINEER
J	8" ABC	
R1	1'-6" C & G	
R2	2'-6" C & G	
R3	2'-9" C & G	
R4	8"x18" CURB	PREPARED BY
R5	MODIFIED VALLEY GUTTER	Stantec
R6	5" MCI	Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672
R7	EXPRESSWAY GUTTER	
R8	SHOULDER BERM GUTTER	STV Engineers, Inc. 405 Hargett Street, Suite 400 Raleigh, NC 27603 NC License Number F-0991
S	4" SIDEWALK	SUNGATE DESIGN GROUP 5800 Euka Circle, STE. 100 - Raleigh, North Carolina 27606 Phone: (919) 829-2242 - Fax: (919) 829-2242
T	EARTH MATERIAL	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
U	EXIST. PAVEMENT	INCOMPLETE PLANS DO NOT USE FOR R.F. ACQUISITION
V	3" MILLING	
W1	WEDGING	
W2	WEDGING	

- NOTES:
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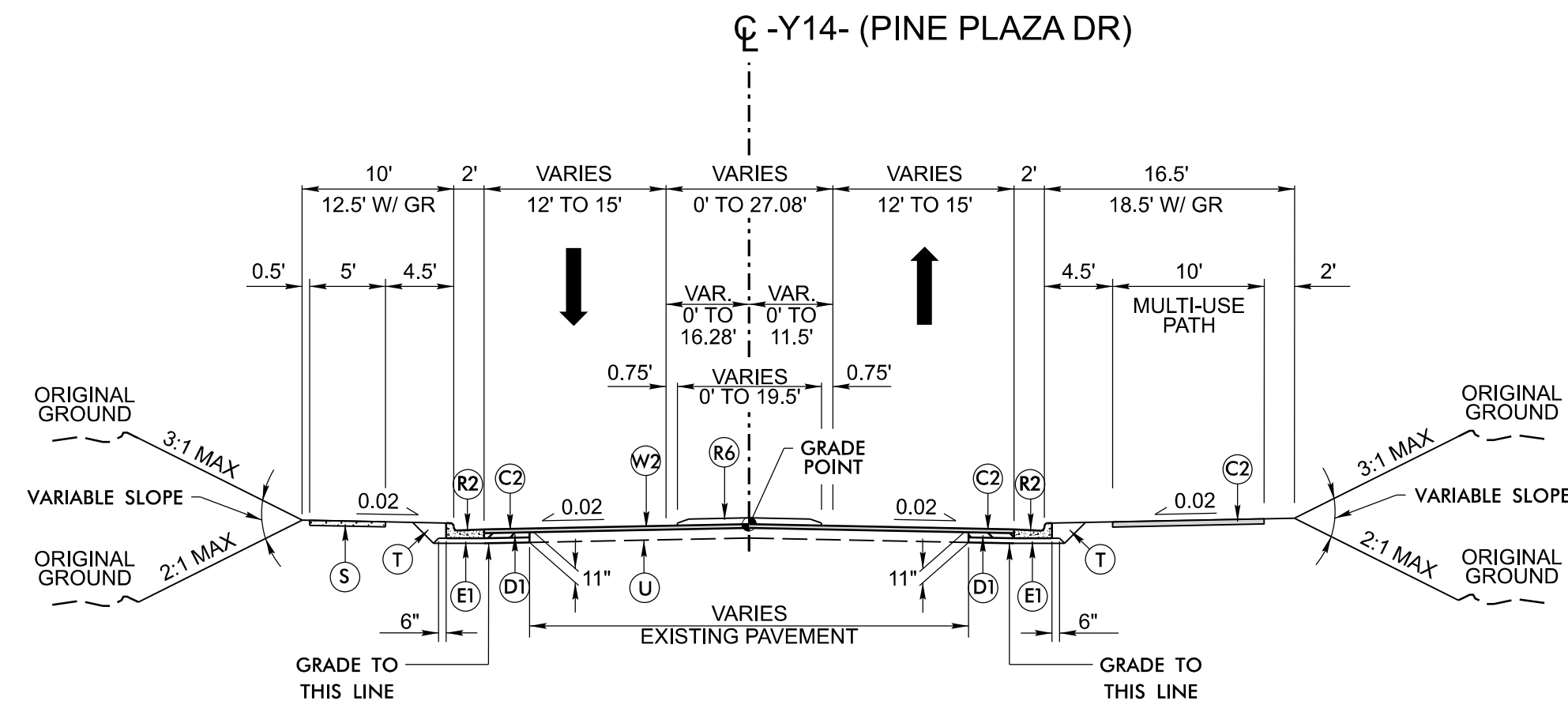
REVISIONS



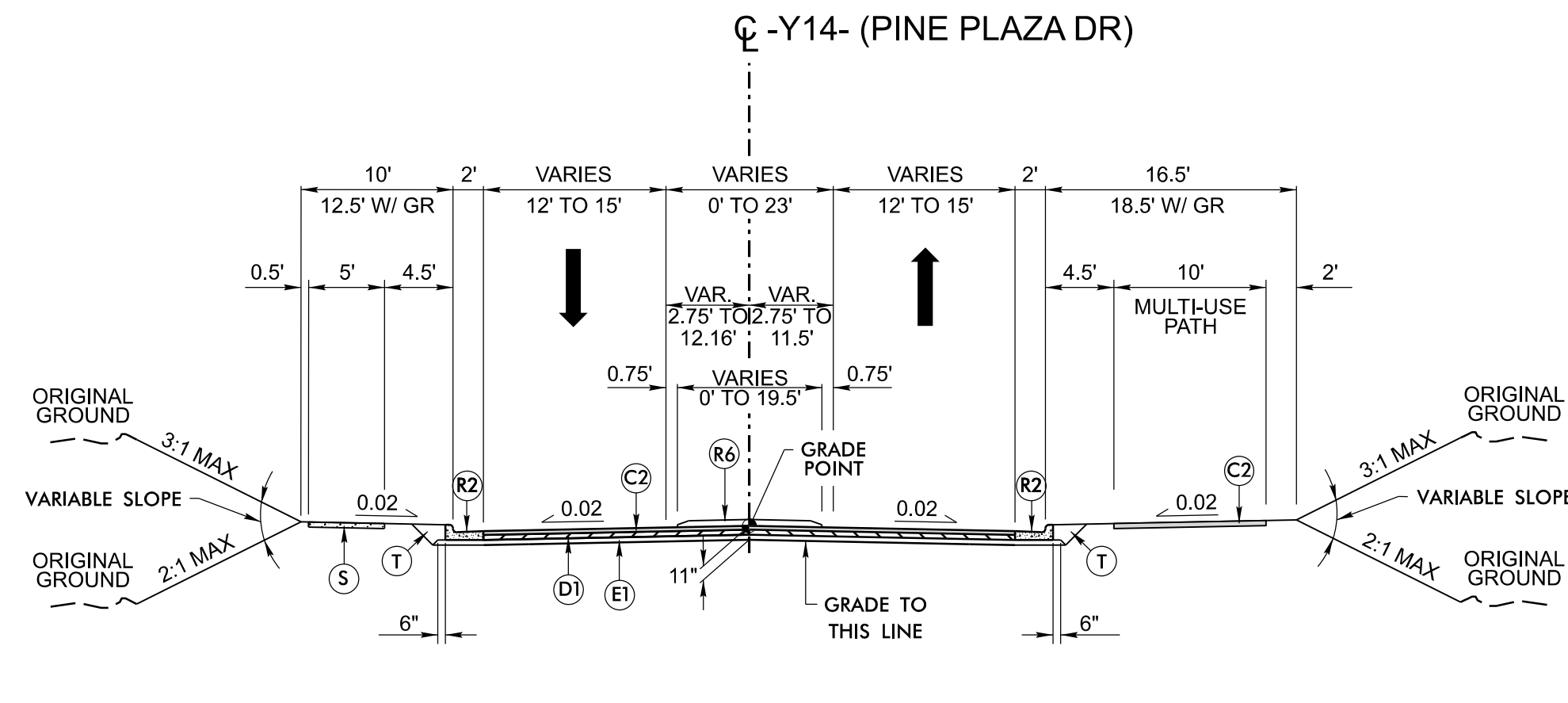
TYPICAL SECTION NO. 53
-Y13- STA. 10+34.90 TO 14+40.00



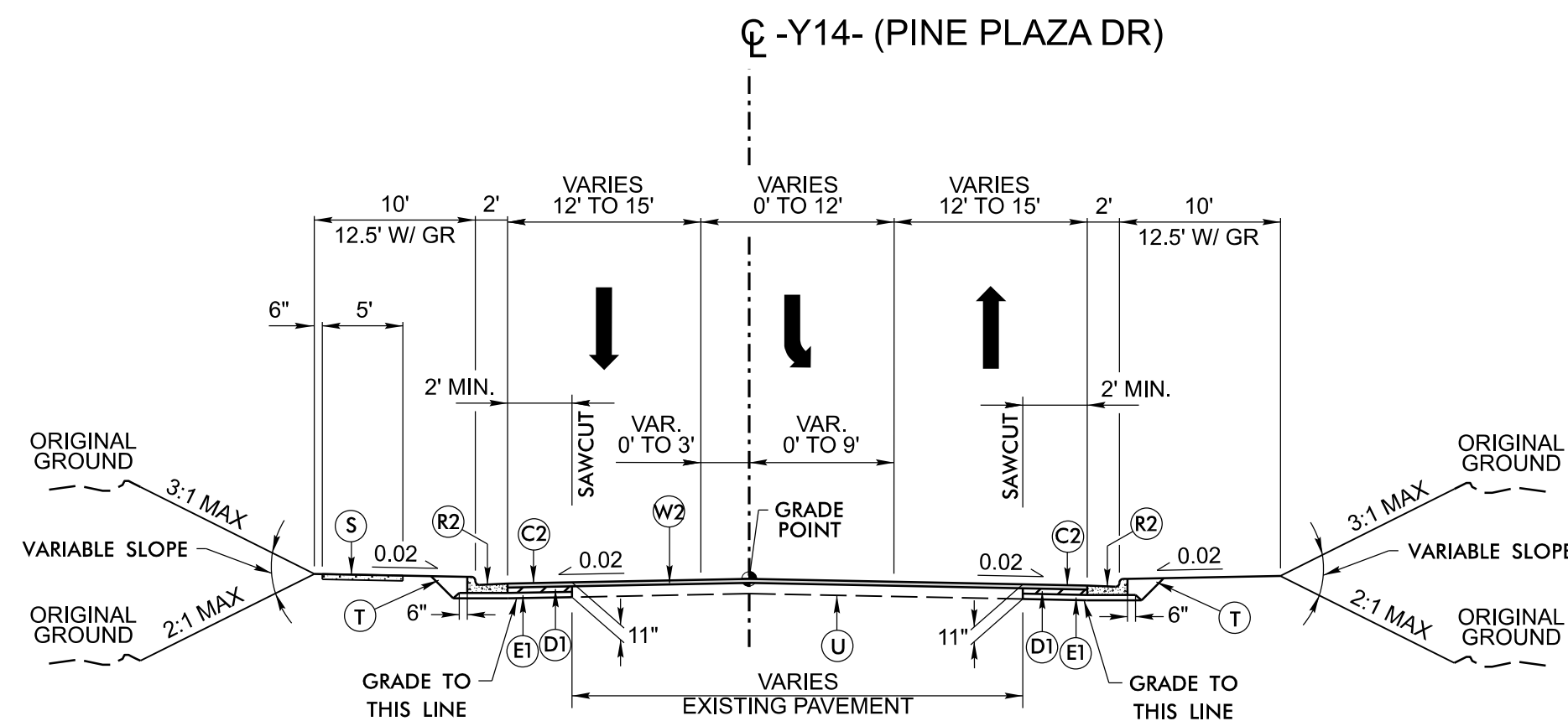
TYPICAL SECTION NO. 54
-Y13- STA. 14+40.00 TO 18+00.00



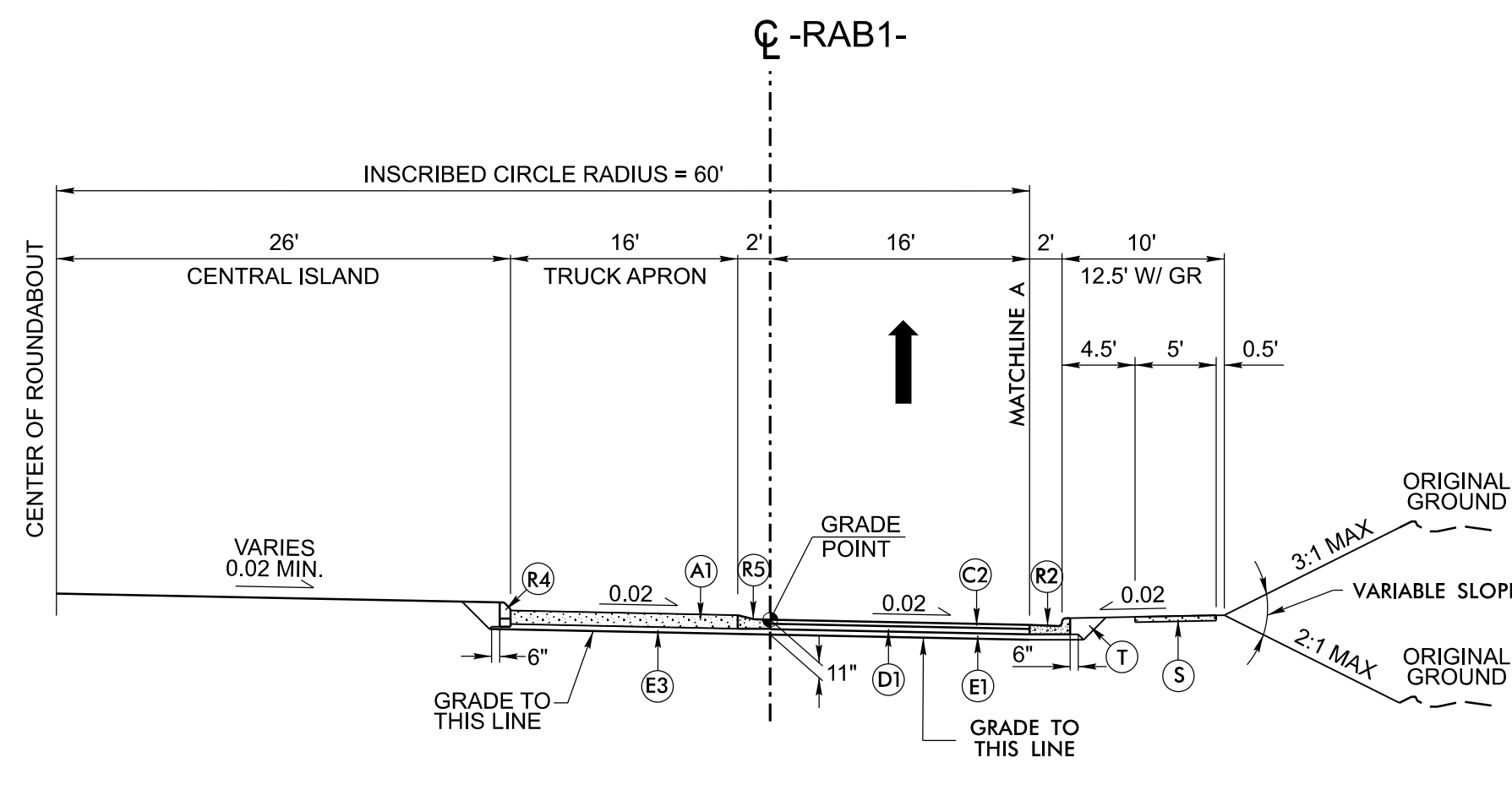
TYPICAL SECTION NO. 55
-Y14- STA. 22+95.00 TO 26+86.22 (BEGIN ROUNDABOUT)
-Y14- STA. 30+40.00 TO 32+70.00
-Y14- STA. 36+20.00 TO 38+10.00



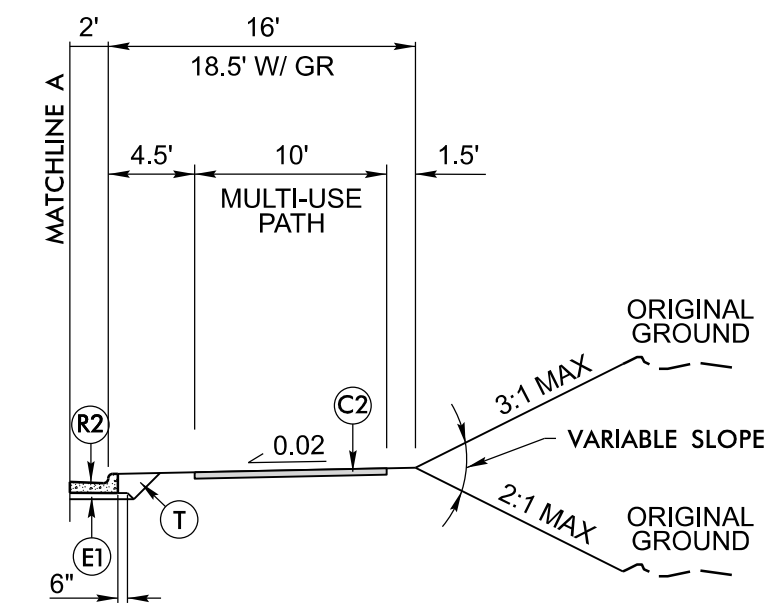
TYPICAL SECTION NO. 56
-Y14- STA. 28+06.23 (END ROUNDABOUT) TO 30+40.00
-Y14- STA. 32+70.00 TO 36+20.00



TYPICAL SECTION NO. 57
-Y14- STA. 40+75.00 TO 57+78.33



TYPICAL SECTION NO. 58
-RAB1- STA. 10+00.00 TO 12+76.46



PARTIAL TYPICAL SECTION NO. 58A
-RAB1- STA. 10+00.00 TO 11+27.52

- NOTES:
1. ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.
 2. TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY. SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS / ROUNDABOUT.
 3. SEE PLANS FOR EXACT CONCRETE CURB & ISLAND LOCATIONS.
 4. SEE PLANS FOR SIDEWALK LOCATIONS.

PAVEMENT SCHEDULE (ASSUMED PAVEMENT DESIGN)	
A1	10" TRUCK APRON
A2	6" P.C.C.P.
C1	1.5" S9.5C
C2	3" S9.5C
C3	VAR. S9.5C
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	1'-6" C & G
R2	2'-6" C & G
R3	2'-9" C & G
R4	8"x18" CURB
R5	MODIFIED VALLEY GUTTER
R6	5" MCI
R7	EXPRESSWAY GUTTER
R8	SHOULDER BERM GUTTER
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
W2	WEDGING

U-5301

DRPS 2A-18

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY

Stantec

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Fax. (919) 851-7024
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License No. F-0672

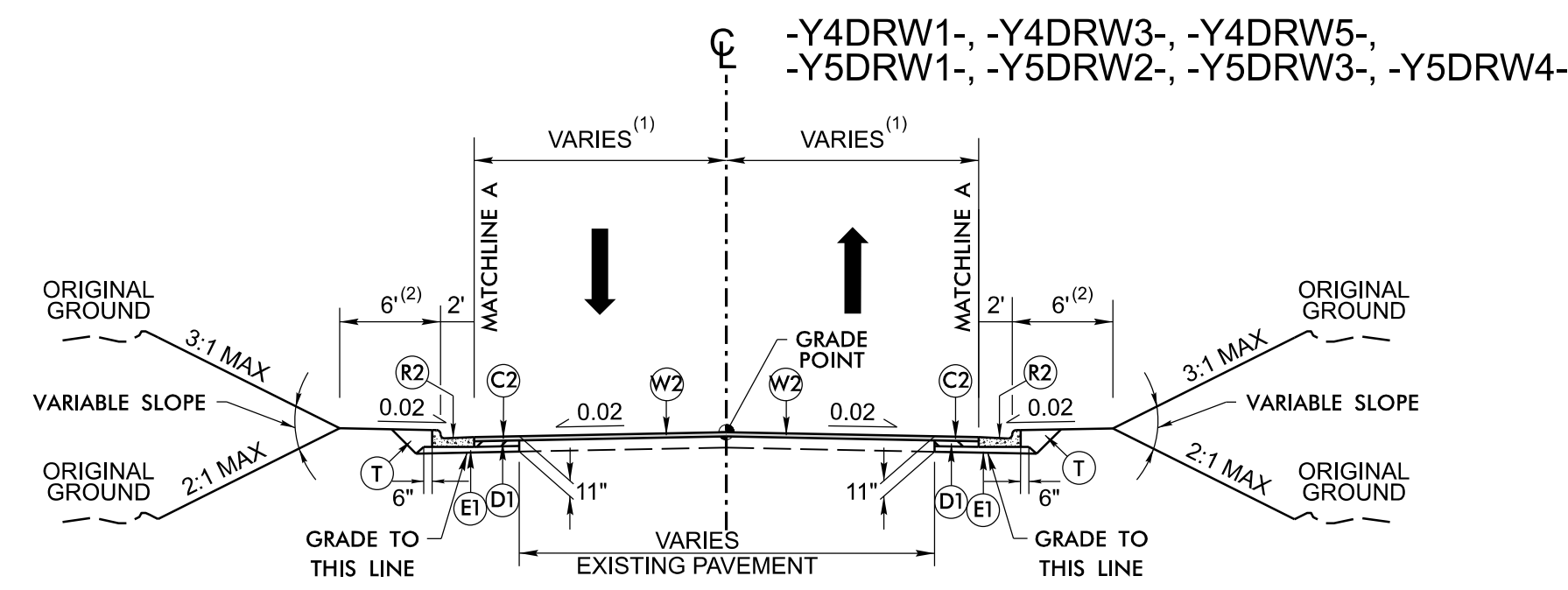
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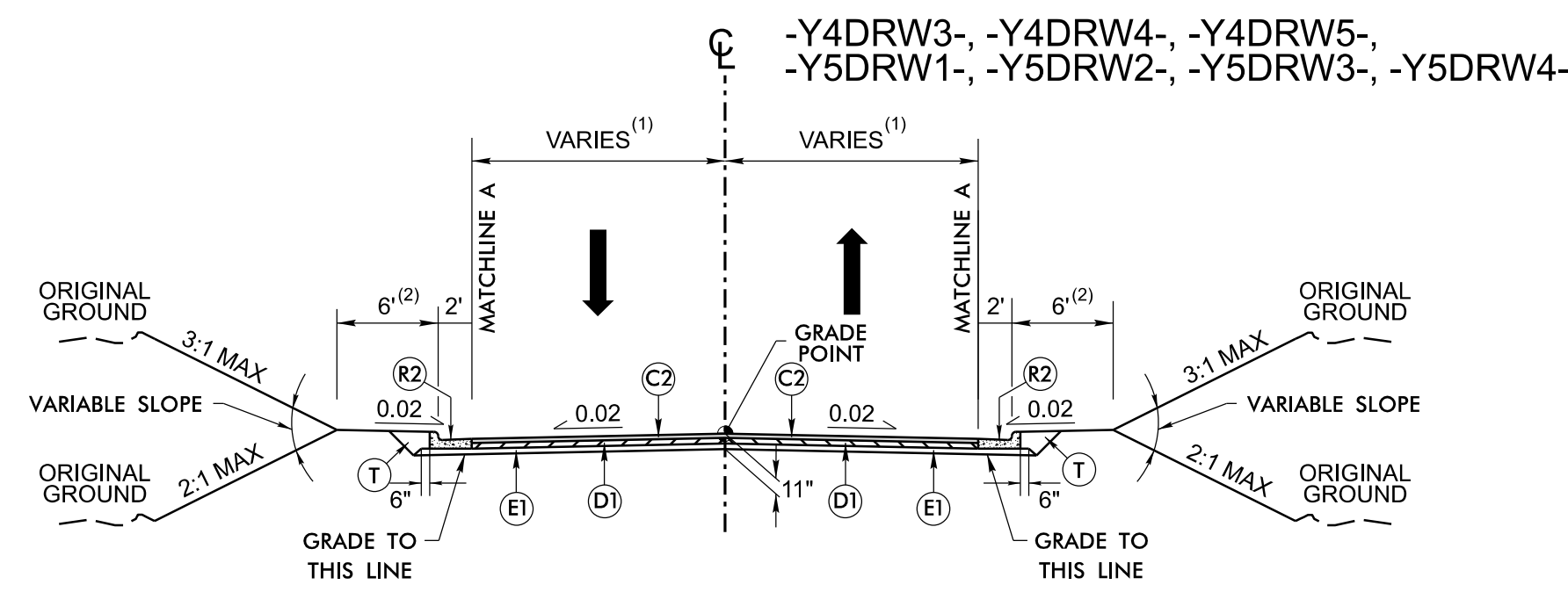
REVISIONS



TYPICAL SECTION NO. 59

-Y4DRW1- STA. 10+19.13 TO 10+72.00
 -Y4DRW3- STA. 10+80.00 TO 11+15.00
 -Y4DRW5- STA. 11+15.00 TO 11+40.00
 -Y5DRW1- STA. 11+50.00 TO 12+28.75
 -Y5DRW2- STA. 11+80.00 TO 12+27.00
 -Y5DRW3- STA. 10+15.00 TO 10+44.00
 -Y14DRW1- STA. 10+19.11 TO 11+20.00
 -Y14DRW2- STA. 10+20.28 TO 10+70.00

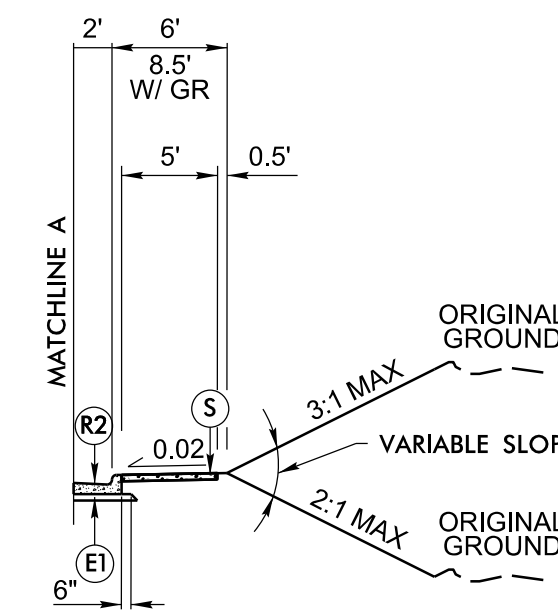
(1) VARIES SEE PLANS
 (2) Y4DRW5 BERM WIDTH 10'



TYPICAL SECTION NO. 60

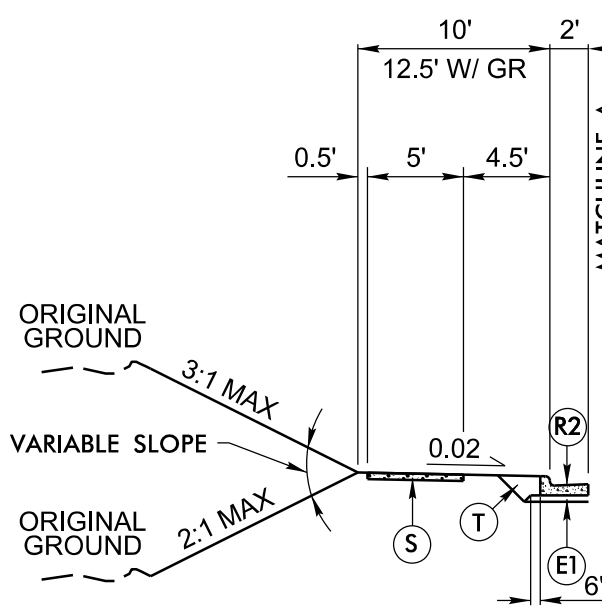
-Y4DRW3- STA. 10+17.00 TO 10+80.00
 -Y4DRW4- STA. 10+48.00 TO 11+52.31
 -Y4DRW5- STA. 10+29.22 TO 11+15.00
 -Y5DRW2- STA. 12+27.00 TO 13+60.40
 -Y5DRW3- STA. 10+44.00 TO 11+11.97

(1) VARIES SEE PLANS
 (2) Y4DRW4, Y4DRW5 BERM WIDTH 10'



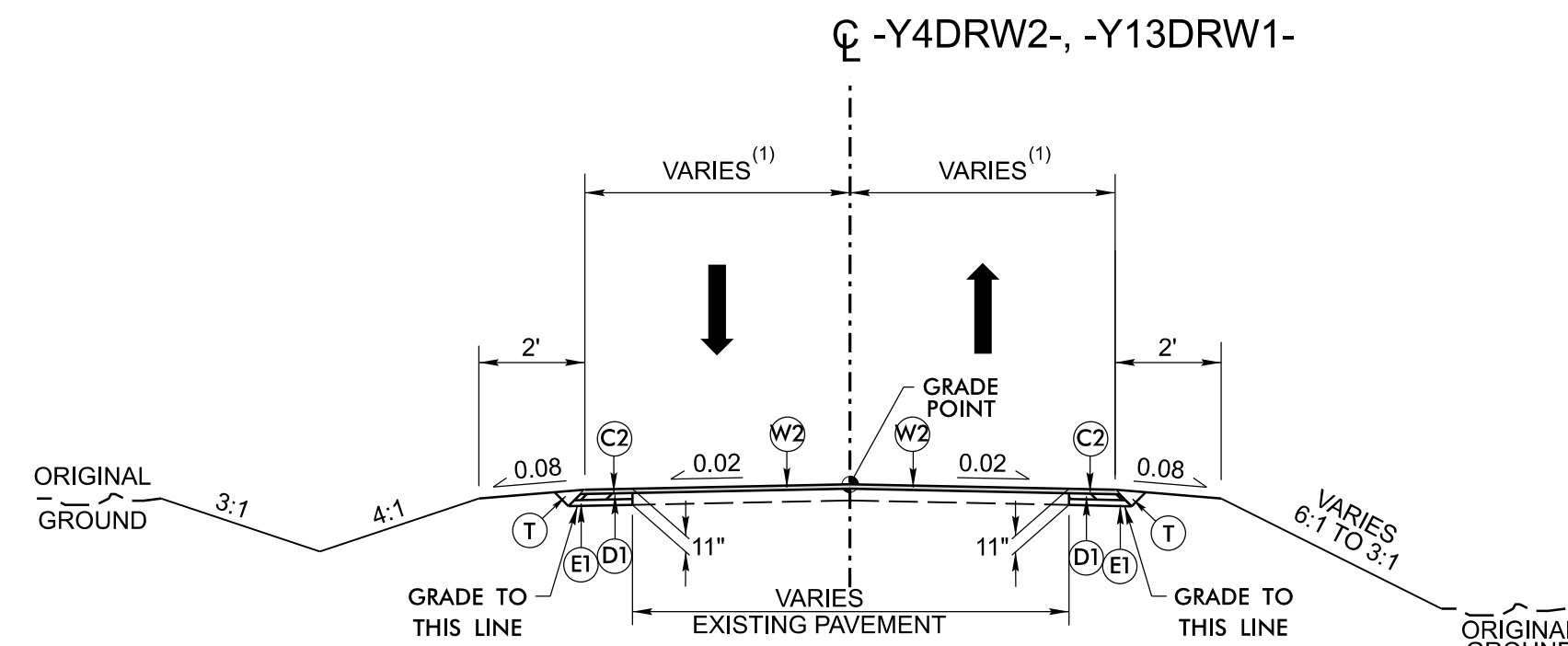
PARTIAL TYPICAL SECTION NO. 60A

-Y4DRW3- STA. 10+16.99 TO 10+93.35 (RT)



PARTIAL TYPICAL SECTION NO. 60B

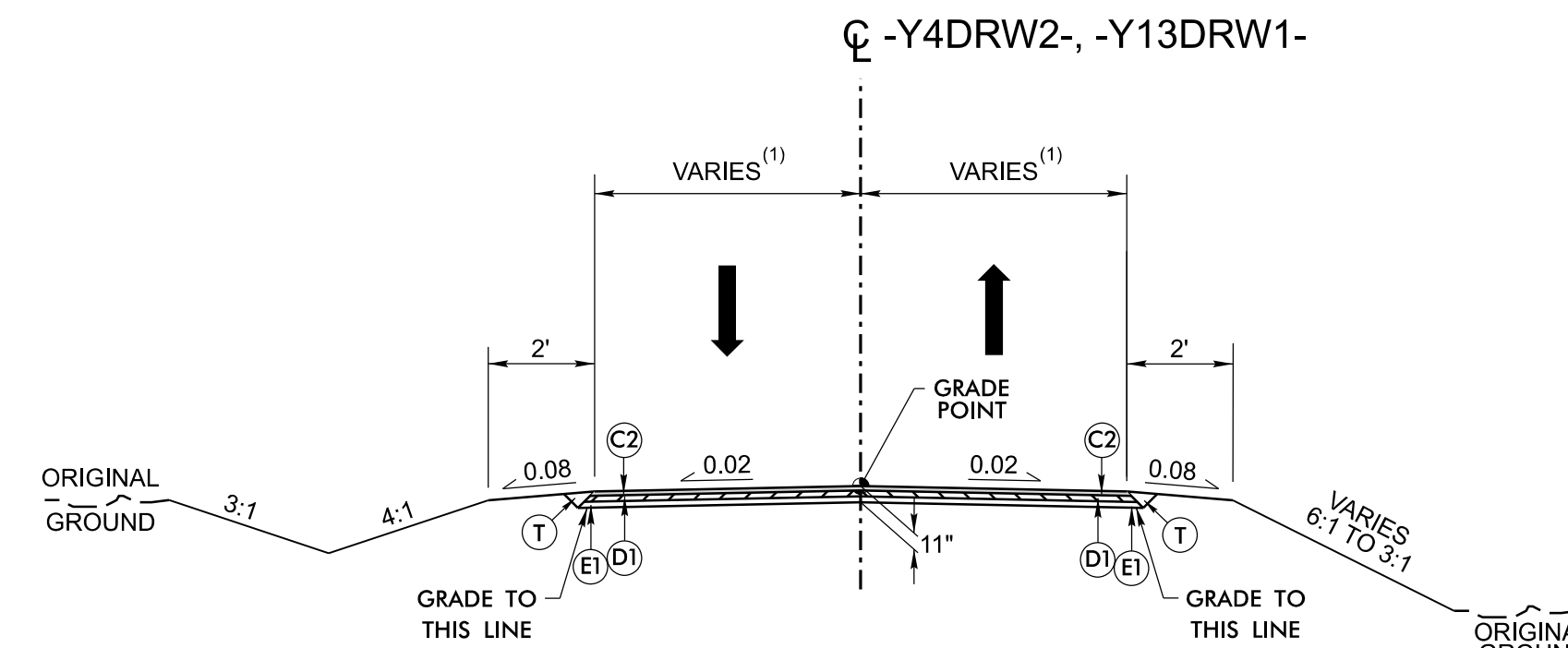
-Y4DRW4- STA. 10+48.00 TO 11+52.31 (LT & RT)
 -Y5DRW2- STA. 12+44.05 TO 13+60.40 (RT)



TYPICAL SECTION NO. 61

-Y4DRW2- STA. 10+30.00 TO 10+60.00
 -Y13DRW1- STA. 10+21.00 TO 10+67.00

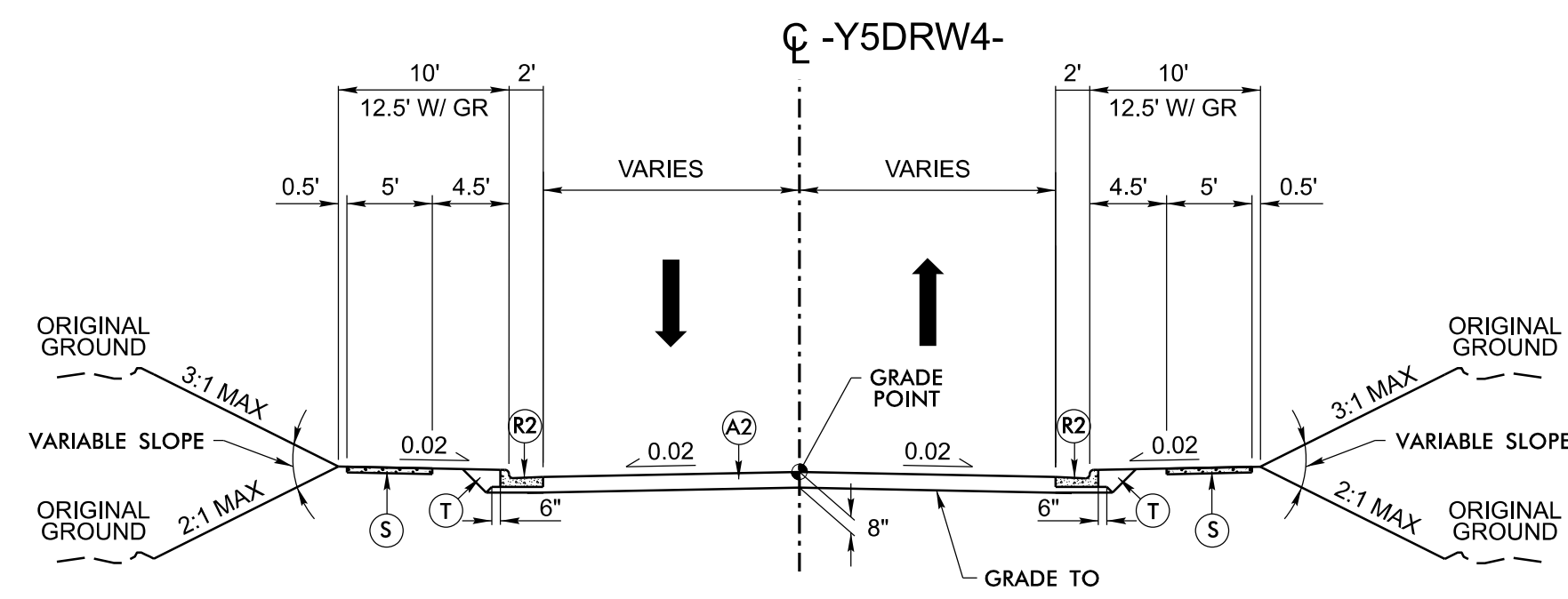
(1) VARIES SEE PLANS



TYPICAL SECTION NO. 62

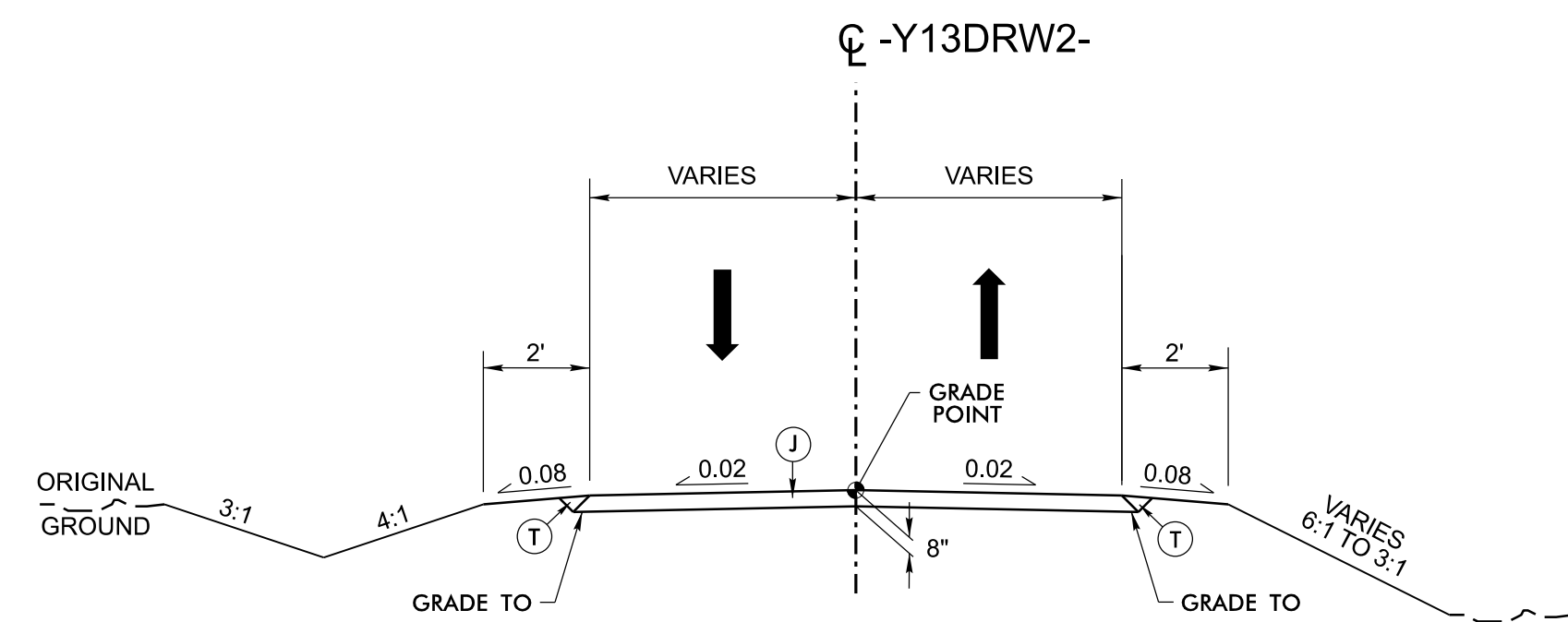
-Y4DRW2- STA. 10+60.00 TO 11+07.43
 -Y13DRW1- STA. 10+67.00 TO 10+90.00

(1) VARIES SEE PLANS



TYPICAL SECTION NO. 63

-Y5DRW4- STA. 10+10.00 TO 10+86.67



TYPICAL SECTION NO. 64

-Y13DRW2- STA. 10+18.00 TO 14+00.00

NOTES:

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PAVEMENT SCHEDULE (ASSUMED PAVEMENT DESIGN)	
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E1	4" B25.0C
E2	5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	1'-6" C & G
R2	2'-6" C & G
R3	2'-9" C & G
R4	8"x18" CURB
R5	MODIFIED VALLEY GUTTER
R6	5" MCI
R7	EXPRESSWAY GUTTER
R8	SHOULDER BERM GUTTER
S	4" SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	3" MILLING
W1	WEDGING
W2	WEDGING

U-5301
DRPS 2A-19
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WAKE COUNTY



ROADWAY DESIGN UNIT
 ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY

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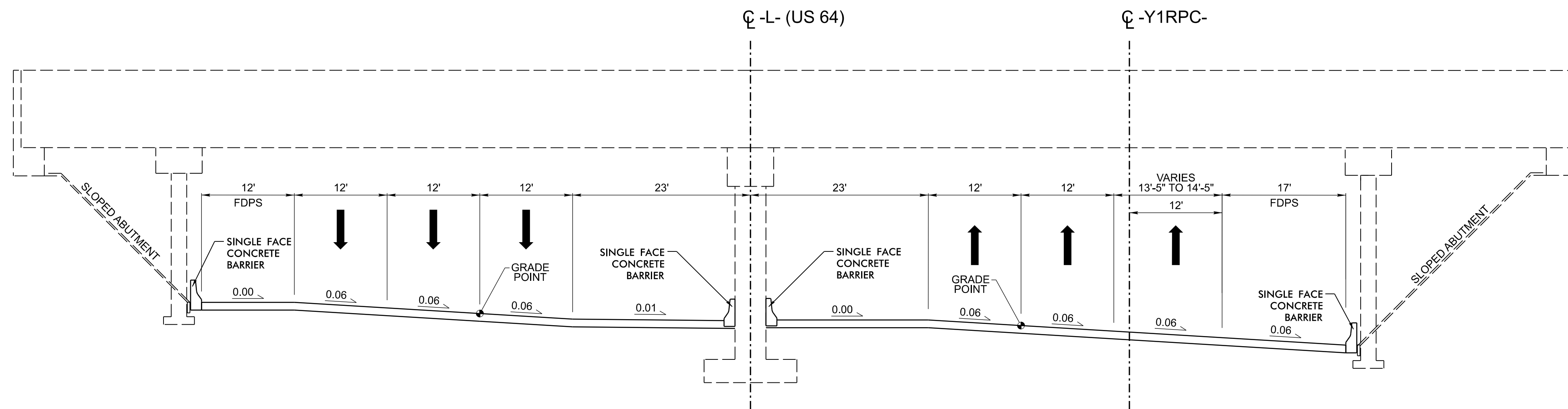
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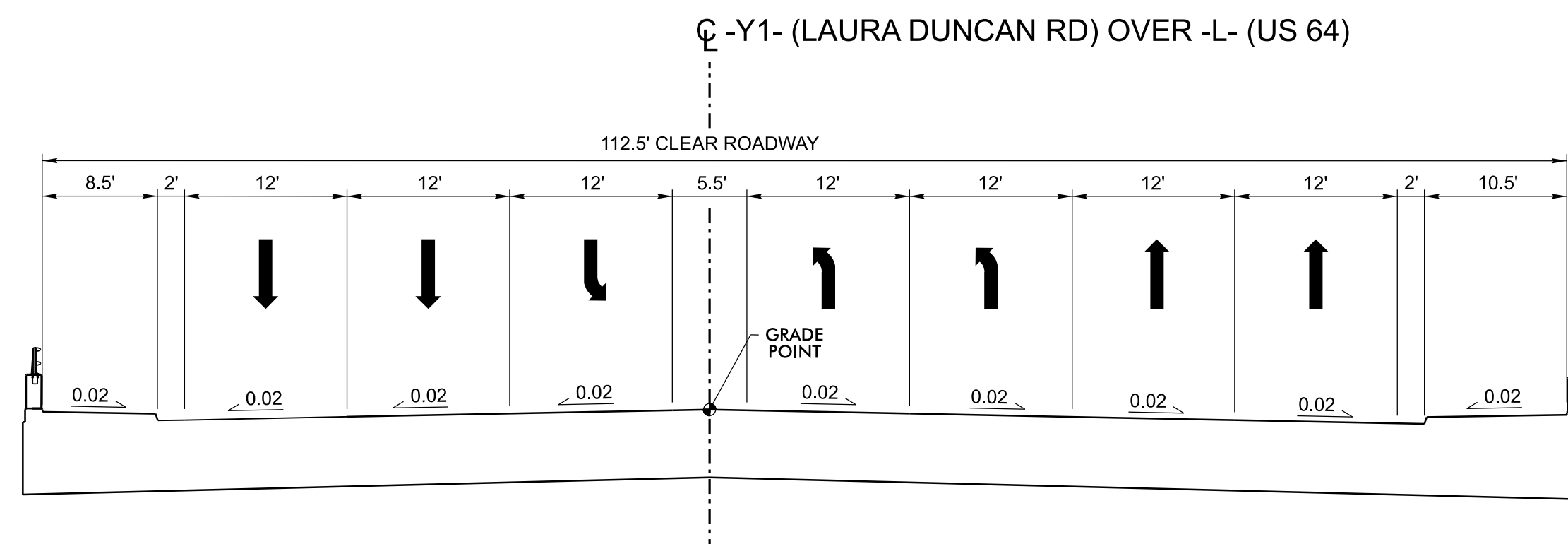
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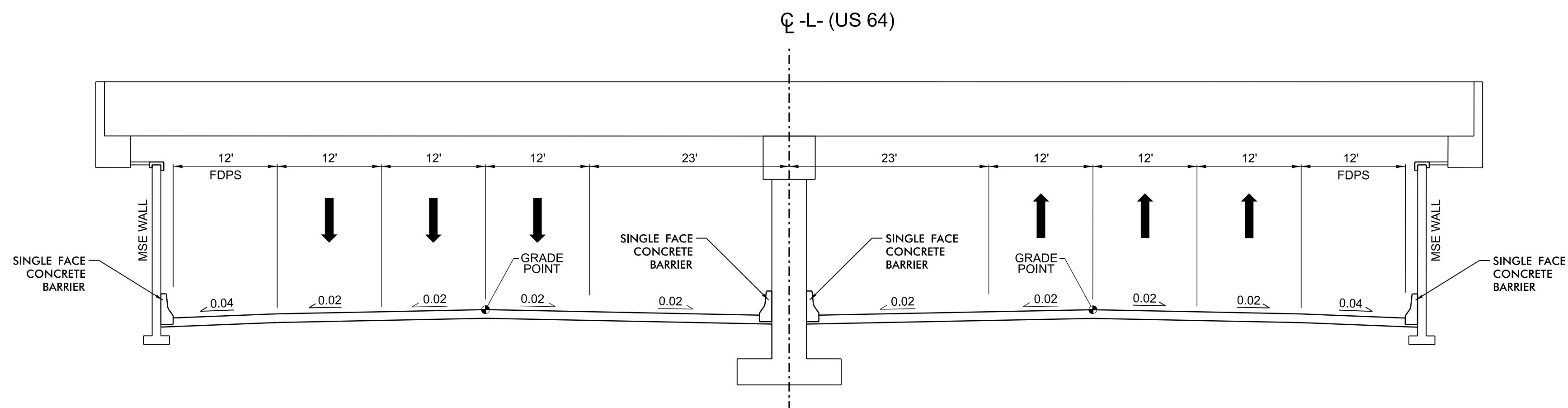
REVISIONS



US 64 TYPICAL SECTION UNDER RAILROAD STRUCTURE TO BE CONSTRUCTED BY OTHERS (TIP U-5301A)



STRUCTURE TYPICAL SECTION NO. 1
-Y1- STA. 26+83+/- TO 28+39+/-



US 64 TYPICAL SECTION UNDER STRUCTURE

- NOTES:
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U-5301
DRPS 2A-20
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY



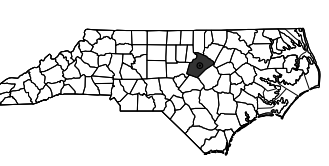
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DESIGN CELL

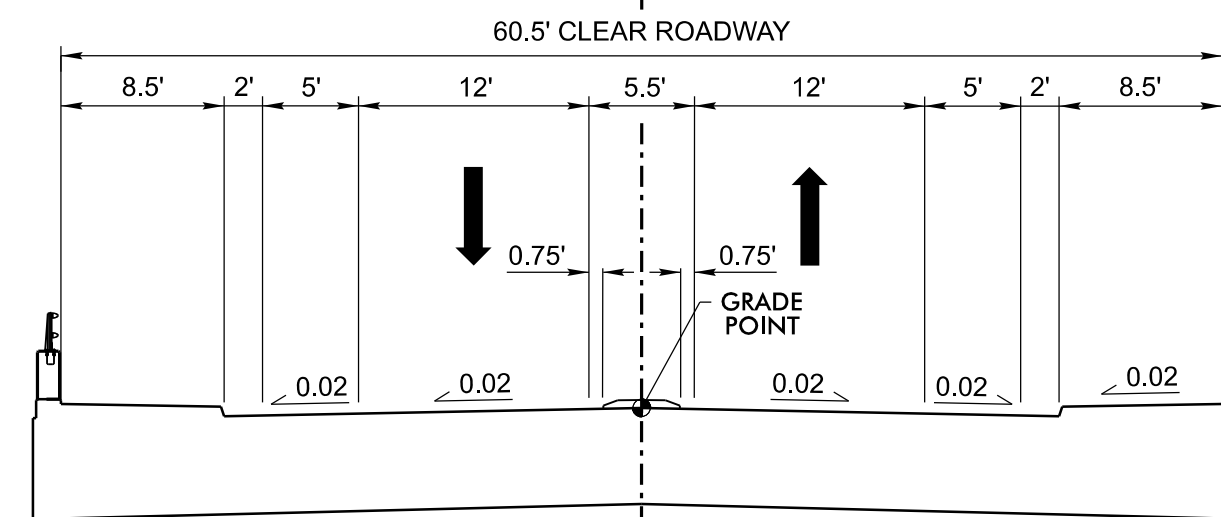
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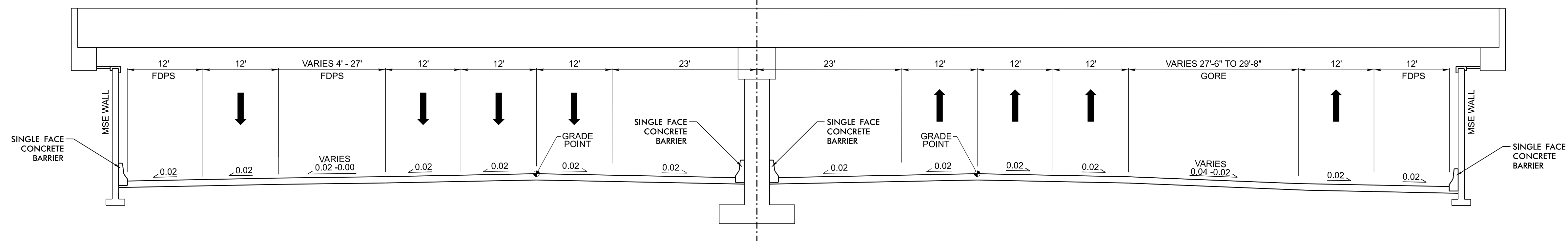
CL -Y4- (SHEPARDS VINEYARD DR) OVER -L- (US 64)



STRUCTURE TYPICAL SECTION NO. 2

-Y4- STA. 18+97+/- TO 21+35+/-

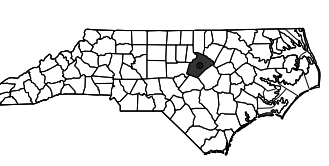
CL -L- (US 64)



US 64 TYPICAL SECTION UNDER STRUCTURE

NOTES:

1. ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.
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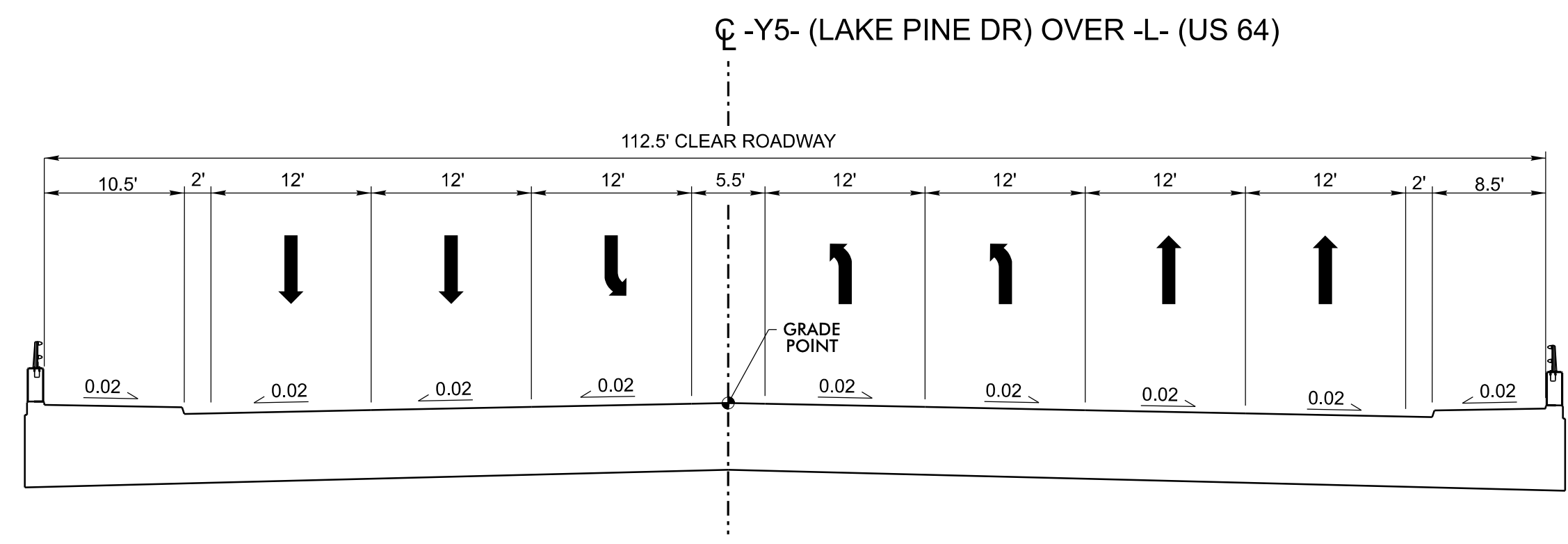


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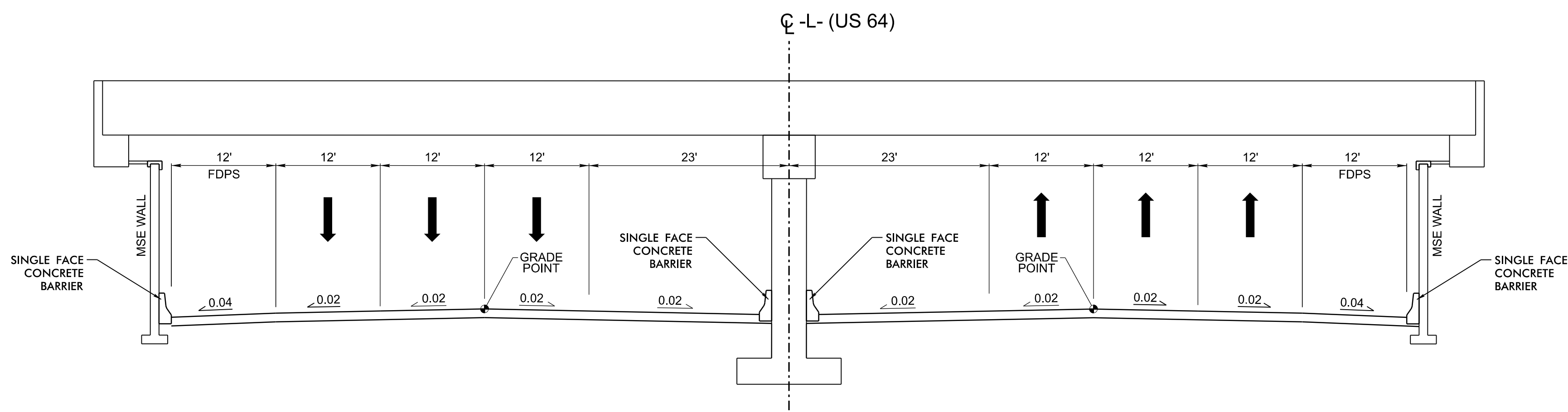
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INCOMPLETE PLANS
DO NOT USE FOR R.F. AUGERATION

REVISIONS



STRUCTURE TYPICAL SECTION NO. 3
-Y5- STA. 20+34+/- TO 21+93+/-



US 64 TYPICAL SECTION UNDER STRUCTURE

- NOTES:
1. ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE.
 2. TYPICAL SECTIONS SHOWN FOR TANGENT SECTIONS ONLY. SEE PLANS AND STANDARD DRAWINGS FOR SUPERELEVATION DETAILS. SEE PLANS FOR LOCATIONS OF TURN LANES AND INTERSECTIONS / ROUNDABOUT.
 3. SEE PLANS FOR EXACT CONCRETE CURB & ISLAND LOCATIONS.
 4. SEE PLANS FOR SIDEWALK LOCATIONS.

-RPA-

CUR DATA -RPA-

Plc 15+10.76
Δc = 19°12'33.3" (RT)
D = 06°0'152.1"
Lc = 318.50
Tc = 160.76
R = 950
SE = 0.080
RO = 200

SCS DATA -RPA-

Plscs 17+06.62
Δscs = 67°47'28.1" (RT)
Tscs = 706.62

CUR DATA -RPA-

Plc 18+25.05
Δc = 36°07'39.9" (RT)
D = 11°56'11.8"
Lc = 302.66
Tc = 156.55
R = 480
SE = 0.080
DS = 30 MPH

CUR DATA -RPA-

Plc 20+49.54
Δc = 02°08'16.9" (RT)
D = 01°21'51.1"
Lc = 156.73
Tc = 78.37
R = 4,200
SE = 0.080
RO = 200

-L-

SPI DATA -L-

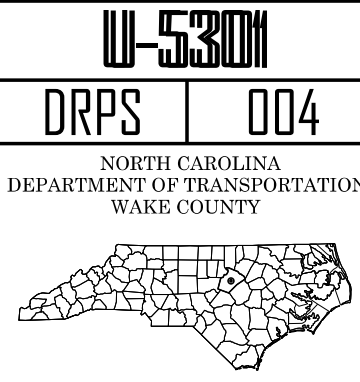
Pls 30+14.06
θs = 01°43'07.9"
Ls = 240
LT = 160.01
ST = 80.01

CUR DATA -L-

Plc 34+95.46
Δc = 11°27'40.3" (LT)
D = 01°25'56.6"
Lc = 800.14
Tc = 401.41
R = 4,000
SE = 0.040
RO = 240

SCS DATA -L-

Plscs 48+64.5
Δscs = 24°23'45.8" (LT)
Tscs = 970.30



ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

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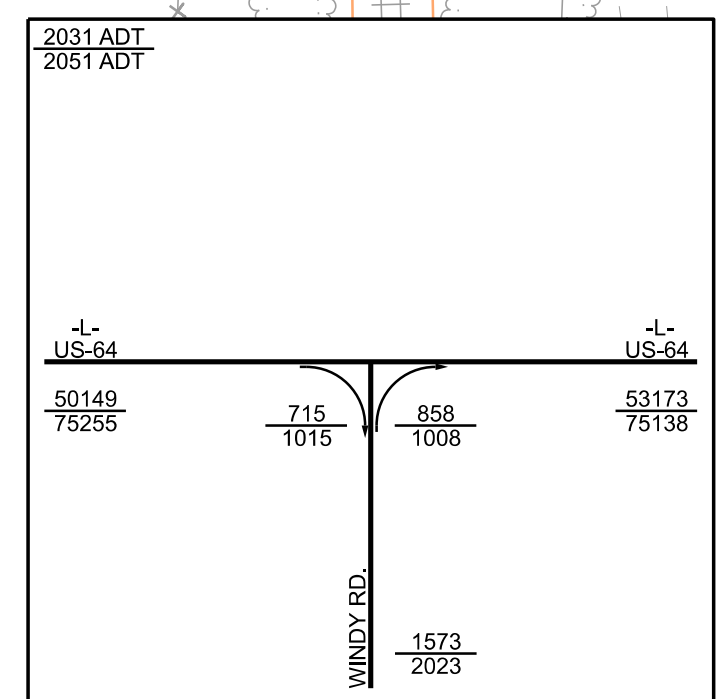
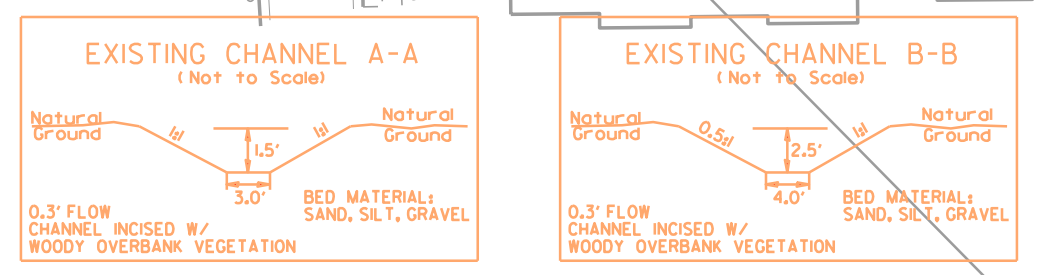
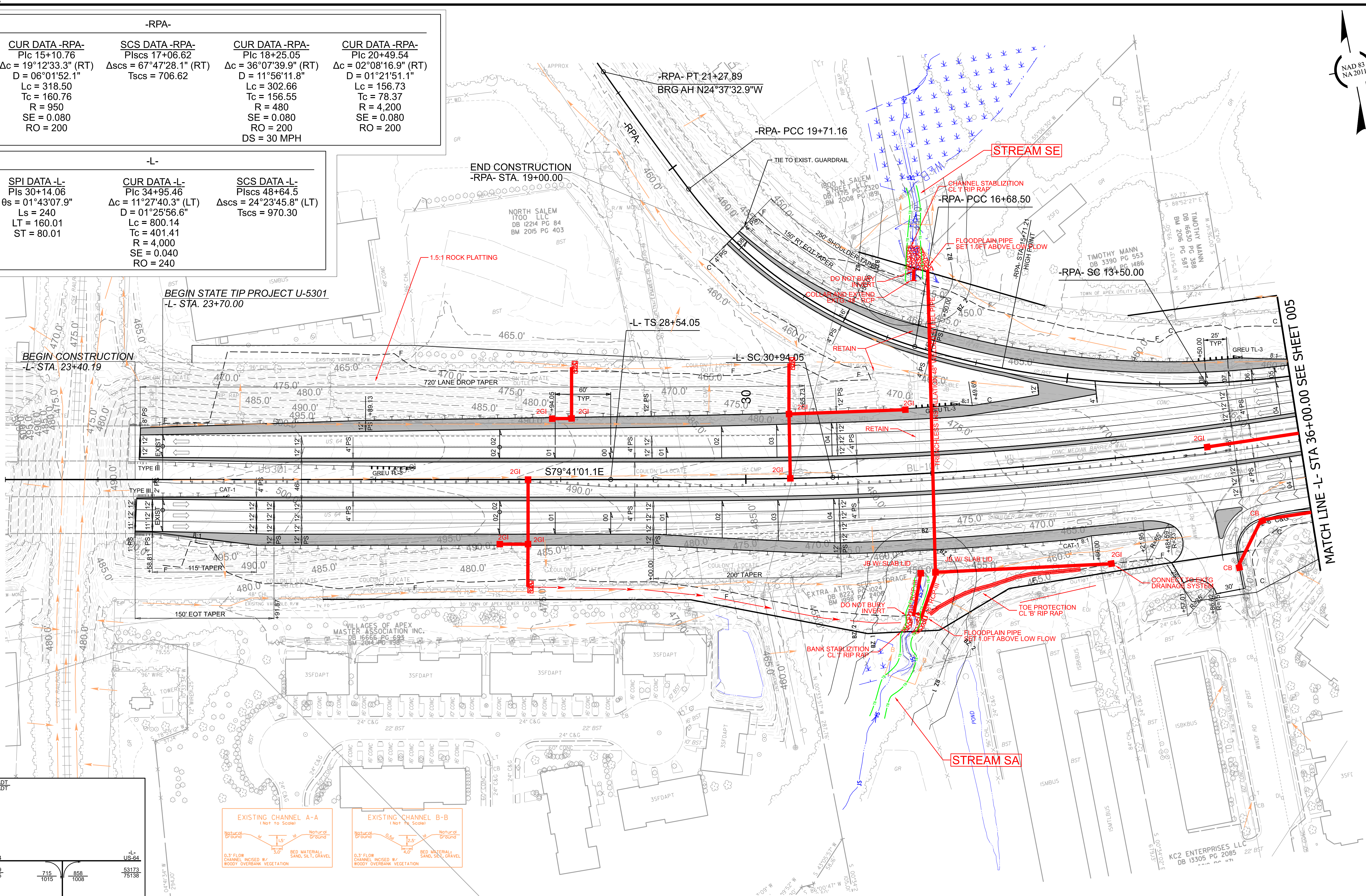
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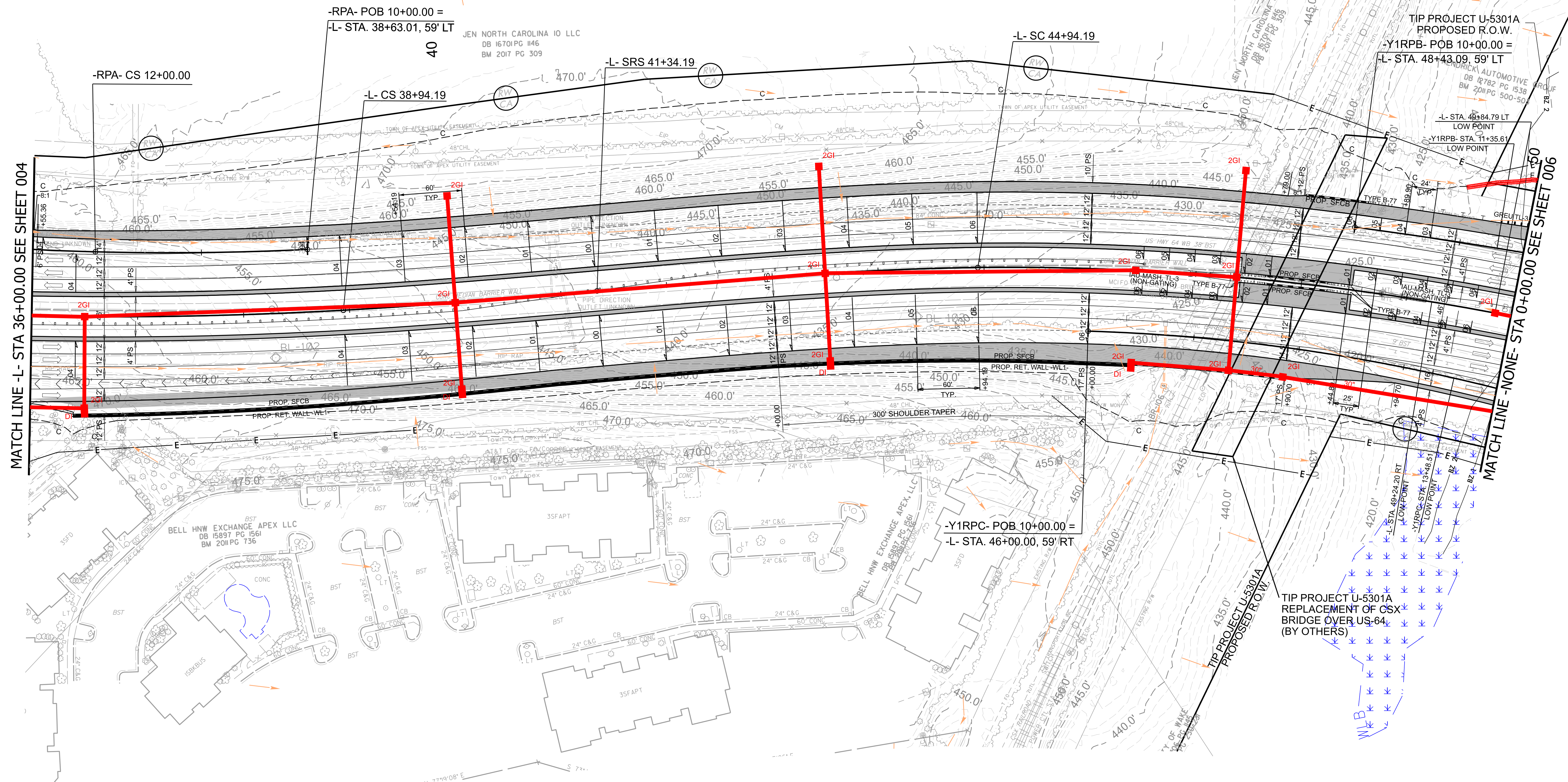
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REVISIONS



SEE SHEET 23 FOR -L- PROFILE VIEW
SEE SHEET 36 FOR -RPA- PROFILE VIEW

-L-			-RPA-		
SPI DATA -L-	SPI DATA -L-	CUR DATA -L-	CUR DATA -RPA-	SPI DATA -RPA-	
Pls 39+74.20	Pls 43+74.26	Plc 48+92.49	Plc 11+00.05	Pls 12+87.13	
$\theta_s = 01^\circ 43' 07.9''$	$\theta_s = 04^\circ 12' 34.1''$	$\Delta c = 18^\circ 28' 03.7''$ (RT)	$\Delta c = 04^\circ 12' 46.5''$ (RT)	$\theta_s = 06^\circ 06' 11.5''$	
Ls = 240	Ls = 360	D = 02°20'19.0"	D = 02°06'23.3"	Ls = 150	
LT = 160.01	LT = 240.07	Lc = 789.69	Lc = 200.00	LT = 87.13	
ST = 80.01	ST = 120.06	Tc = 398.30	Tc = 100.05	ST = 63.01	
		R = 2,450	R = 2,720		
		SE = 0.060	SE = 0.040		
		RO = 360	RO = 100		



TIP PROJECT U-5301A
REPLACEMENT OF CSX
BRIDGE OVER US 64
(BY OTHERS)

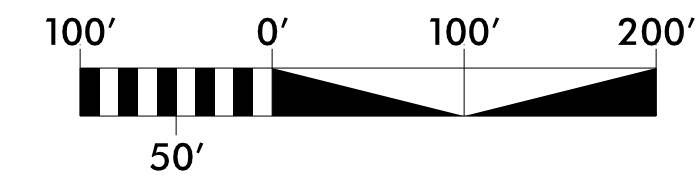
SEE SHEET 24 FOR -L- PROFILE VIEW
SEE SHEET 36 FOR -RPA- PROFILE VIEW
SEE SHEET 38 FOR -Y1RPB- PROFILE VIEW
SEE SHEET 38 FOR -Y1RPC- PROFILE VIEW

-L-
SPI DATA -L- Pls 54+03.95 θs = 04°12'34.1" Ls = 360 LT = 240.07 ST = 120.06

-Y1RPA-
CUR DATA -Y1RPA- Plc 12+70.36 Δc = 05°09'36.2" (RT) D = 00°57'17.7" Lc = 540.36 Tc = 270.36 R = 6,000 SE = 0.020 RO = 48
CUR DATA -Y1RPA- Plc 20+99.99 Δc = 05°27'48.7" (LT) D = 01°45'46.6" Lc = 309.91 Tc = 155.07 R = 3,250 SE = 0.020 RO = 48

-Y1RPB-
CUR DATA -Y1RPB- Plc 13+46.64 Δc = 09°26'10.3" (RT) D = 01°21'51.1" Lc = 691.71 Tc = 346.64 R = 4,200 SE = 0.030 RO = 72
CUR DATA -Y1RPB- Plc 21+16.12 Δc = 04°46'42.0" (RT) D = 01°19'56.9" Lc = 358.61 Tc = 179.41 R = 4,300 SE = 0.020 RO = 48

-Y1RPC-
CUR DATA -Y1RPC- Plc 13+69.69 Δc = 23°12'45.1" (RT) D = 03°10'59.2" Lc = 729.24 Tc = 369.69 R = 1,800 SE = 0.060 RO = 150
SCS DATA -Y1RPC- Pls 14+10.15 Δscs = 25°35'59.5" (RT) Tscs = 410.15
SPI DATA -Y1RPC- Pls 17+79.25 θs = 02°23'14.4" Ls = 150 LT = 100.01 ST = 50.01
CUR DATA -Y1RPC- Plc 22+96.47 Δc = 04°52'04.3" (LT) D = 01°25'56.6" Lc = 339.84 Tc = 170.02 R = 4,000 SE = 0.020 RO = 48



U-5301
DRPS 006
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

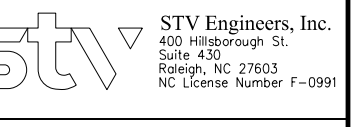
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ENGINEER

HYDRAULICS
ENGINEER

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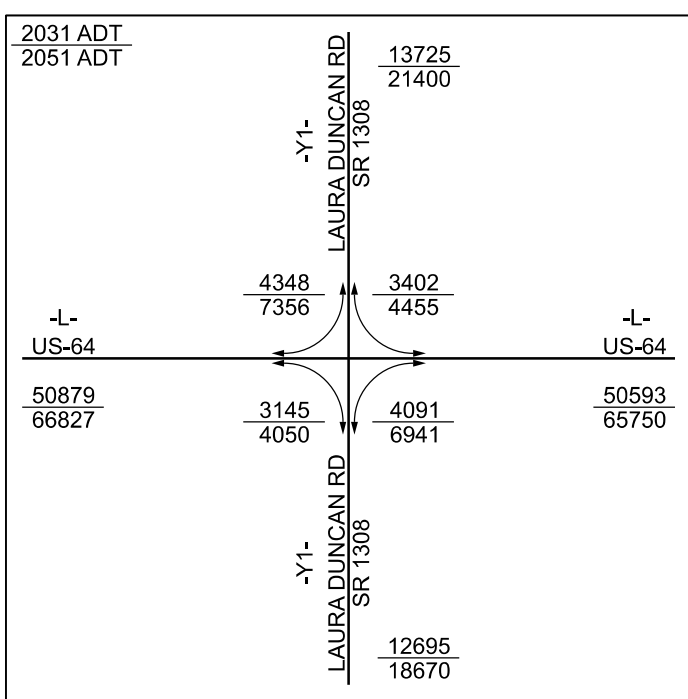
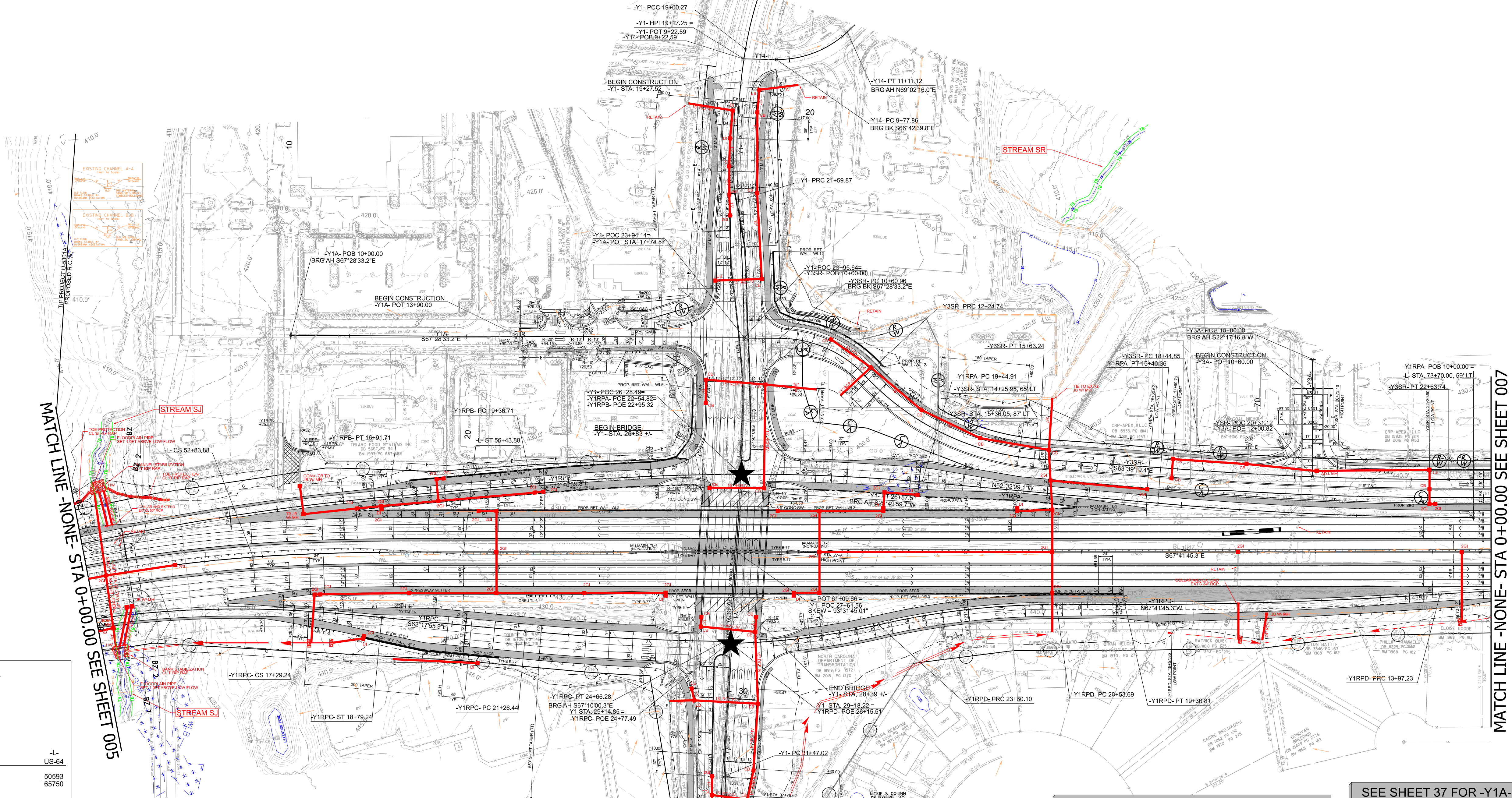
INCOMPLETE PLANS
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REVISIONS

-Y1RPD-
CUR DATA -Y1RPD- Plc 16+67.12 Δc = 03°47'35.8" (RT) D = 00°42'10.9" Lc = 539.57 Tc = 269.89 R = 8,150 SE = 0.020 RO = 48
CUR DATA -Y1RPD- Plc 22+07.56 Δc = 13°00'14.7" (LT) D = 04°14'38.9" Lc = 306.40 Tc = 153.86 R = 1,350 SE = 0.050 RO = 150
CUR DATA -Y1RPD- Plc 24+88.25 Δc = 11°42'27.2" (RT) D = 04°35'01.2" Lc = 255.42 Tc = 128.16 R = 1,250 SE = 0.020 RO = 42

-Y1-
CUR DATA -Y1- Plc 20+30.68 Δc = 13°31'19.3" (LT) D = 05°12'31.3" Lc = 259.60 Tc = 130.41 R = 1,100 SE = 0.040 RO = 148
CUR DATA -Y1- Plc 24+09.06 Δc = 07°38'38.8" (RT) D = 01°32'09.9" Lc = 497.64 Tc = 249.19 R = 3,730 SE = NC

-Y3SR-
CUR DATA -Y3SR- Plc 11+47.76 Δc = 46°55'08.7" (RT) D = 28°38'52.4" Lc = 163.78 Tc = 86.79 R = 200 SE = SEE PLANS RO = SEE PLANS
CUR DATA -Y3SR- Plc 14+02.45 Δc = 43°05'54.9" (LT) D = 12°43'56.6" Lc = 338.50 Tc = 177.71 R = 450 SE = 0.040 RO = 108
CUR DATA -Y3SR- Plc 20+54.38 Δc = 04°02'25.9" (LT) D = 00°57'52.5" Lc = 418.89 Tc = 209.53 R = 5,940 SE = NC



MATCH LINE -Y1- STA 32+00.00 SEE SHEET 019

★ PROPOSED SIGNAL

SEE SHEET 25 & 26 FOR -L- PROFILE VIEW
SEE SHEET 36 FOR -Y1- PROFILE VIEW
SEE SHEET 37 FOR -Y1RPA- PROFILE VIEW

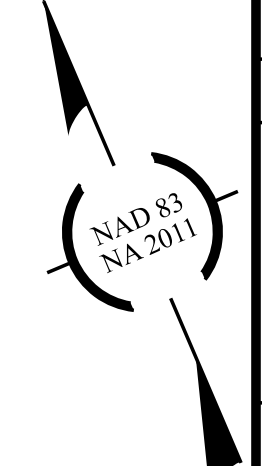
SEE SHEET 37 FOR -Y1A- PROFILE VIEW
SEE SHEET 38 FOR -Y1RPB- PROFILE VIEW
SEE SHEET 38 FOR -Y1RPC- PROFILE VIEW
SEE SHEET 39 FOR -Y1RPD- PROFILE VIEW
SEE SHEET 40 FOR -Y3A- PROFILE VIEW
SEE SHEET 40 FOR -Y3SR- PROFILE VIEW

-Y3-	
CUR DATA -Y3- Plc 14+41.18 $\Delta c = 06^{\circ}21'28.5"$ (RT) D = 04'22'25.4" Lc = 145.37 Tc = 72.76 R = 1,310 SE = SEE PLANS RO = SEE PLANS	CUR DATA -Y3- Plc 15+99.04 $\Delta c = 08^{\circ}07'39.2"$ (LT) D = 04'46'28.7" Lc = 170.22 Tc = 85.25 R = 1,200 SE = SEE PLANS RO = SEE PLANS

MATCH LINE -Y3- STA 13+50.00 SEE SHEET 016

-Y1RPD-
CUR DATA -Y1RPD- Plc 11+98.69 $\Delta c = 03^{\circ}47'35.8"$ (LT) D = 00'57'17.7" Lc = 397.23 Tc = 198.69 R = 6,000 SE = 0.020 RO = 48

-Y3SR-
CUR DATA -Y3SR- Plc 34+50.29 $\Delta c = 04^{\circ}00'38.3"$ (LT) D = 00'30'13.2" Lc = 796.31 Tc = 398.32 R = 11,376 SE = NC



U-5301
DRPS 007
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WARE COUNTY
ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER

HYDRAULICS ENGINEER

PREPARED BY

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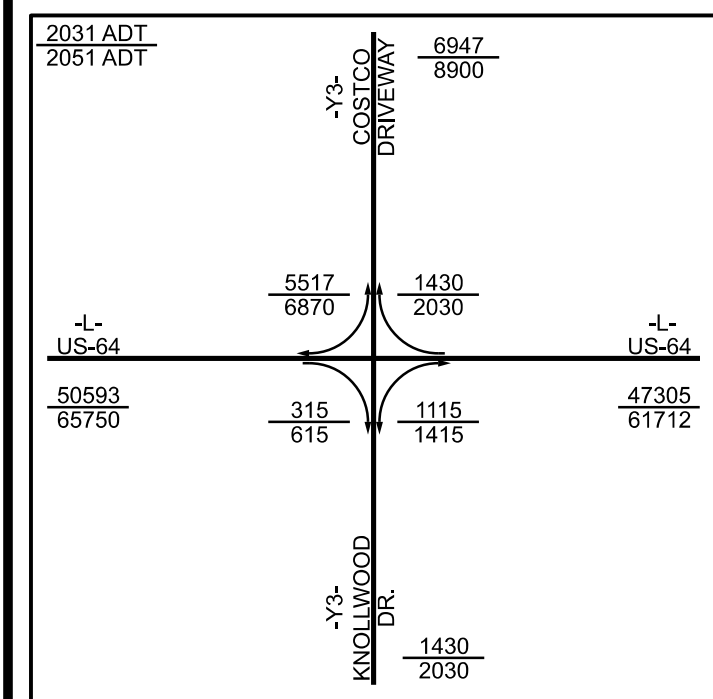
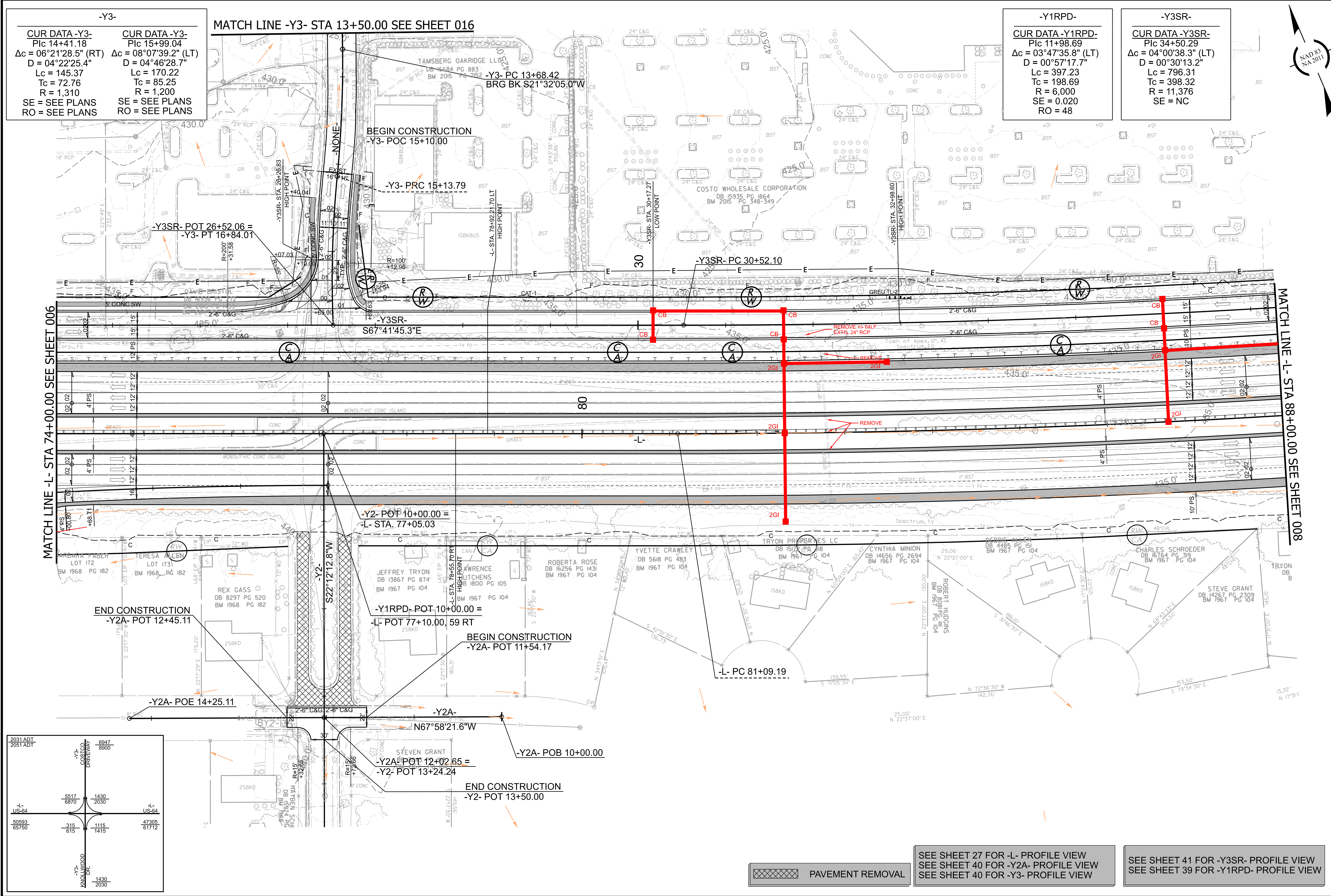
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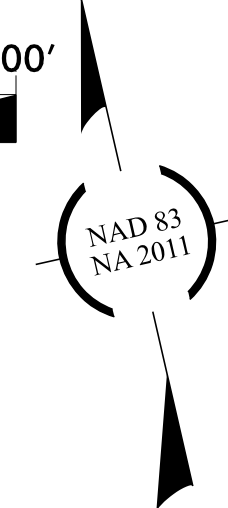
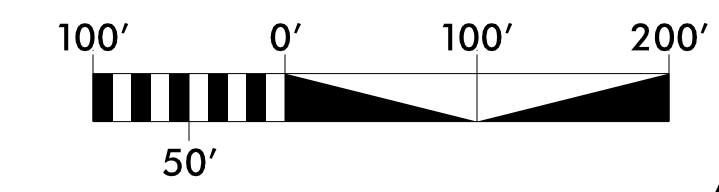
REVISIONS

MATCH LINE -L- STA 74+00.00 SEE SHEET 006

MATCH LINE -L- STA 88+00.00 SEE SHEET 008



PAVEMENT REMOVAL	SEE SHEET 27 FOR -L- PROFILE VIEW SEE SHEET 40 FOR -Y2A- PROFILE VIEW SEE SHEET 40 FOR -Y3- PROFILE VIEW	SEE SHEET 41 FOR -Y3SR- PROFILE VIEW SEE SHEET 39 FOR -Y1RPD- PROFILE VIEW
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U-5301
 DRPS 008
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WAKE COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

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REVISIONS

-Y5RPB-					
SCS DATA -Y5RPB- Plcs 10+00.3 Δscs = 20°19'25.6" (LT) Tscs = 0.35	CUR DATA -Y5RPB- Plc 12+20.68 Δc = 06°36'44.8" (LT) D = 01°29'59.6" Lc = 440.86 Tc = 220.68 R = 3,820 SE = 0.030 RO = 72	CUR DATA -Y5RPB- Plc 16+23.78 Δc = 02°34'17.4" (RT) D = 00°42'10.9" Lc = 365.78 Tc = 182.92 R = 8,150 SE = 0.020 RO = 48	CUR DATA -Y5RPB- Plc 18+84.82 Δc = 00°47'06.5" (LT) D = 00°30'07.8" Lc = 156.36 Tc = 78.18 R = 11,410 SE = 0.020 RO = 48	CUR DATA -Y5RPB- Plc 21+54.00 Δc = 05°36'27.4" (LT) D = 01°28'08.8" Lc = 381.70 Tc = 191.00 R = 3,900 SE = 0.030 RO = 72	CUR DATA -Y5RPB- Plc 24+79.00 Δc = 04°44'49.4" (RT) D = 01°46'06.2" Lc = 268.44 Tc = 134.30 R = 2,400 SE = SEE PLANS RO = SEE PLANS

-Y5RPC-			
CUR DATA -Y5RPC- Plc 11+03.73 Δc = 01°59'02.9" (RT) D = 00°57'23.5" Lc = 207.43 Tc = 103.73 R = 5,990 SE = 0.020 RO = 48	CUR DATA -Y5RPC- Plc 16+49.98 Δc = 06°12'58.4" (LT) D = 00°42'10.9" Lc = 884.22 Tc = 442.55 R = 8,150 SE = 0.020 RO = 48	CUR DATA -Y5RPC- Plc 22+25.83 Δc = 03°52'16.8" (RT) D = 01°26'35.6" Lc = 268.24 Tc = 134.17 R = 2,200 SE = 0.030 RO = 72	CUR DATA -Y5RPC- Plc 24+47.13 Δc = 04°32'28.8" (LT) D = 02°36'15.7" Lc = 174.37 Tc = 87.23 R = 2,200 SE = SEE PLANS RO = SEE PLANS

-L-
CUR DATA -L- Plc 90+49.71 Δc = 09°21'03.3" (LT) D = 00°29'53.6" Lc = 1,876.85 Tc = 940.51 R = 11,500 SE = NC

-Y3SR-	
CUR DATA -Y3SR- Plc 34+50.29 Δc = 04°00'38.3" (LT) D = 00°30'13.2" Lc = 796.31 Tc = 398.32 R = 11,376 SE = NC	CUR DATA -Y3SR- Plc 39+13.27 Δc = 104°51'26.0" (LT) D = 114°35'29.6" Lc = 91.51 Tc = 64.99 R = 50 SE = SEE PLANS RO = SEE PLANS DS = 15MPH

-Y4DRW3-	
CUR DATA -Y4DRW3- Plc 10+88.89 Δc = 34°59'15.2" (RT) D = 27°56'57.0" Lc = 125.18 Tc = 64.61 R = 205 SE = SEE PLANS RO = SEE PLANS	CUR DATA -Y4DRW3- Plc 12+36.75 Δc = 28°00'32.0" (LT) D = 16°22'12.8" Lc = 171.10 Tc = 87.29 R = 350 SE = SEE PLANS RO = SEE PLANS

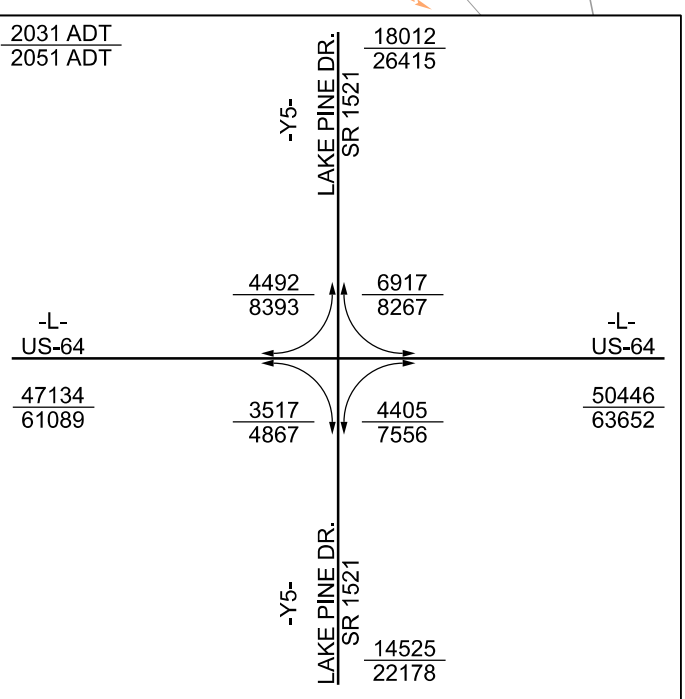
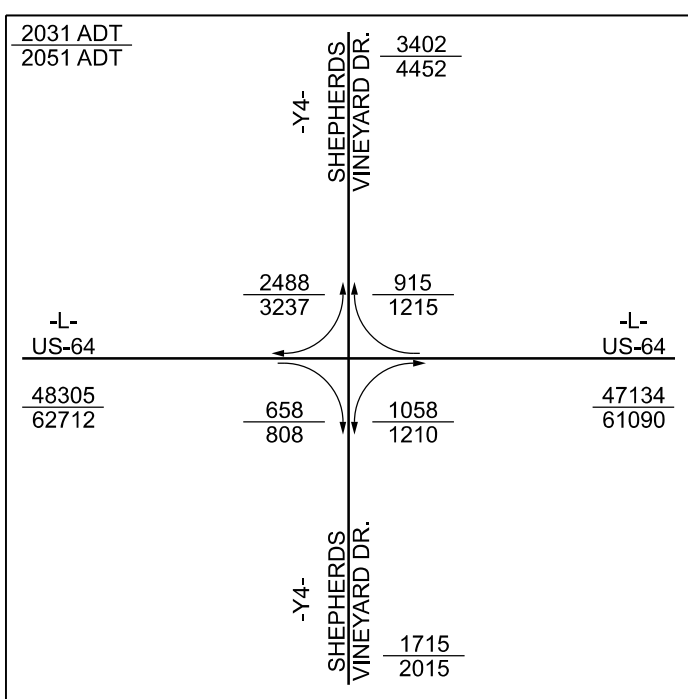
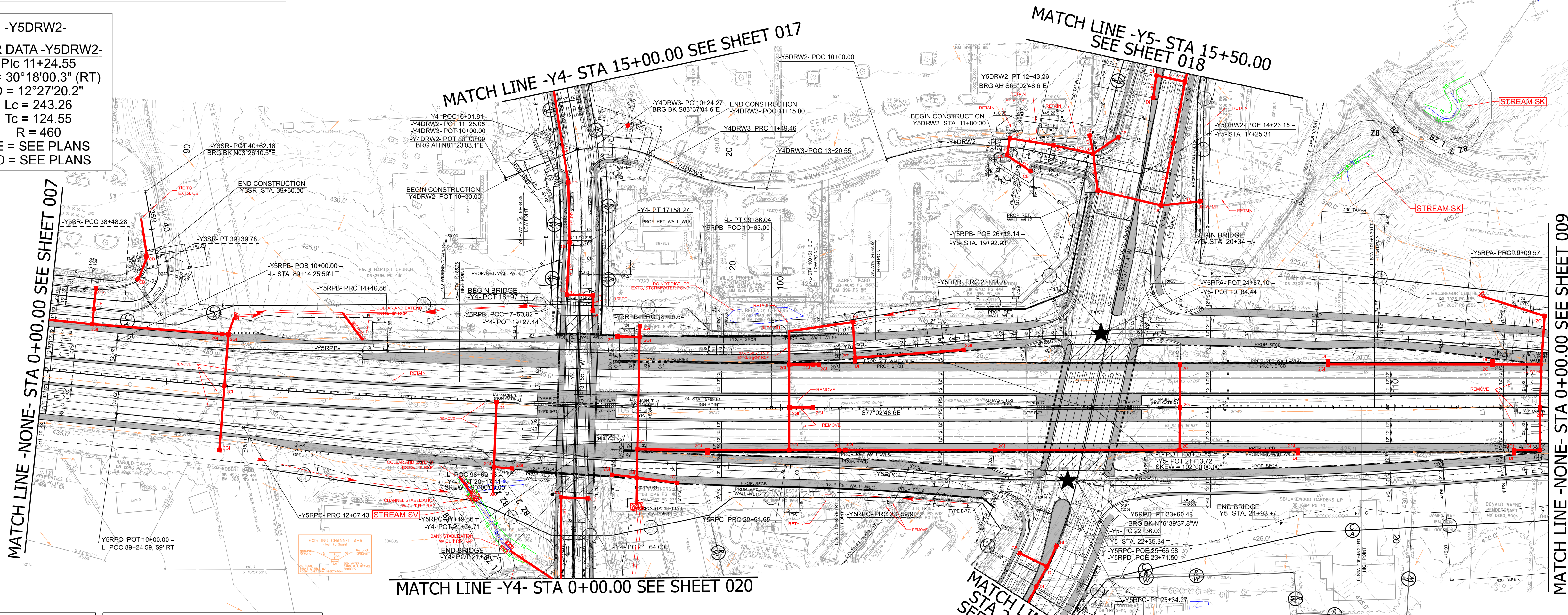
-Y5RPA-	
CUR DATA -Y5RPA- Plc 17+27.92 Δc = 02°33'16.1" (RT) D = 00°42'10.9" Lc = 363.36 Tc = 181.71 R = 8,150 SE = 0.020 RO = 48	CUR DATA -Y5RPA- Plc 21+98.53 Δc = 05°10'13.1" (LT) D = 00°53'42.9" Lc = 577.53 Tc = 288.96 R = 6,400 SE = 0.020 RO = 48

-Y4-	
CUR DATA -Y4- Plc 15+97.38 Δc = 16°53'01.5" (RT) D = 05°12'31.3" Lc = 324.14 Tc = 163.26 R = 1,100 SE = 0.030 RO = 69	CUR DATA -Y4- Plc 23+94.80 Δc = 06°57'04.7" (LT) D = 01°30'28.0" Lc = 461.03 Tc = 230.80 R = 3,800 SE = 0.020 RO = SEE PLANS

-Y5-
CUR DATA -Y5- Plc 24+05.89 Δc = 32°07'18.2" (RT) D = 09°42'40.1" Lc = 330.77 Tc = 169.86 R = 590 SE = 0.040 RO = 148

-Y5RPD-
CUR DATA -Y5RPD- Plc 12+76.72 Δc = 05°17'24.1" (LT) D = 00°57'23.5" Lc = 553.05 Tc = 276.72 R = 5,990 SE = 0.020 RO = 48

-Y5DRW2-
CUR DATA -Y5DRW2- Plc 11+24.55 Δc = 30°18'00.3" (RT) D = 12°27'20.2" Lc = 243.26 Tc = 124.55 R = 460 SE = SEE PLANS RO = SEE PLANS

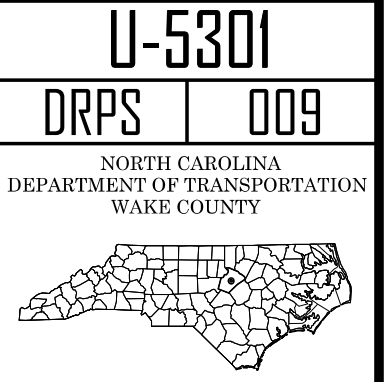


★ PROPOSED SIGNAL

SEE SHEET 28 & 29 FOR -L- PROFILE VIEW
 SEE SHEET 41 FOR -Y3SR- PROFILE VIEW
 SEE SHEET 42 FOR -Y4- PROFILE VIEW
 SEE SHEET 59 FOR -Y4DRW2- PROFILE VIEW
 SEE SHEET 59 FOR -Y4DRW3- PROFILE VIEW
 SEE SHEET 44 FOR -Y5- PROFILE VIEW

SEE SHEET 45 FOR -Y5RPA- PROFILE VIEW
 SEE SHEET 46 FOR -Y5RPB- PROFILE VIEW
 SEE SHEET 47 FOR -Y5RPC- PROFILE VIEW
 SEE SHEET 48 FOR -Y5RPD- PROFILE VIEW
 SEE SHEET 60 FOR -Y5DRW2- PROFILE VIEW

-Y5RPA-	-Y5RPD-	
CUR DATA -Y5RPA-	CUR DATA -Y5RPD-	CUR DATA -Y5RPD-
Plc 21+98.53	Plc 12+76.72	Plc 19+57.09
$\Delta c = 05^{\circ}10'13.1''$ (LT)	$\Delta c = 05^{\circ}17'24.1''$ (LT)	$\Delta c = 05^{\circ}40'34.9''$ (RT)
D = 00°53'42.9"	D = 00°57'23.5"	D = 00°42'10.9"
Lc = 577.53	Lc = 553.05	Lc = 807.43
Tc = 288.96	Tc = 276.72	Tc = 404.05
R = 6,400	R = 5,990	R = 8,150
SE = 0.020	SE = 0.020	SE = 0.020
RO = 48	RO = 48	RO = 48



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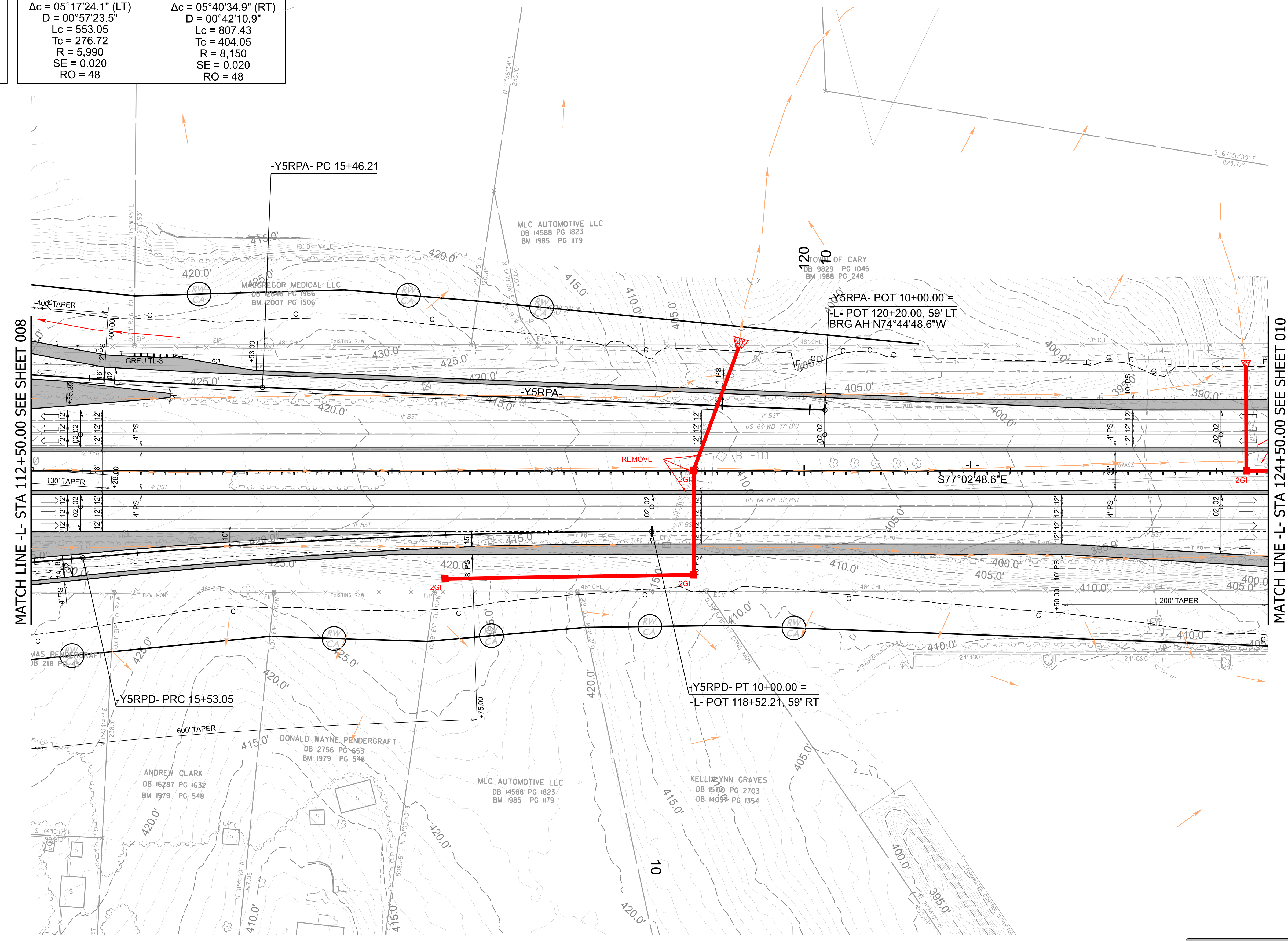
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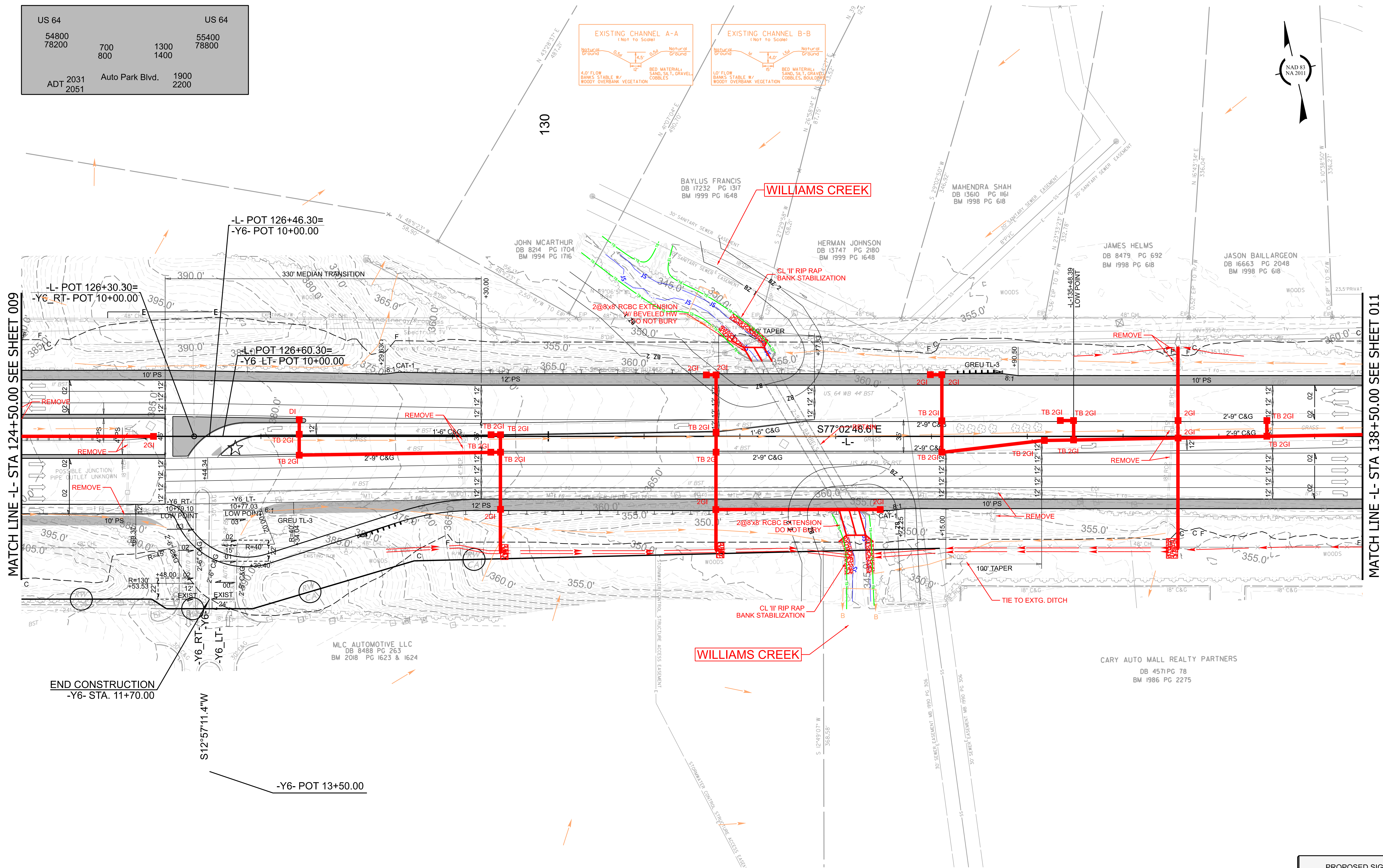


MATCH LINE -L- STA 112+50.00 SEE SHEET 008

MATCH LINE -L- STA 124+50.00 SEE SHEET 010

SEE SHEET 30 FOR -L- PROFILE VIEW
SEE SHEET 45 FOR -Y5RPA- PROFILE VIEW
SEE SHEET 48 FOR -Y5RPD- PROFILE VIEW

US 64	US 64
54800	55400
78200	78800
700	1300
800	1400
ADT 2031	Auto Park Blvd.
2051	1900
	2200



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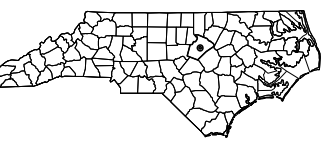
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INCOMPLETE PLANS DO NOT USE FOR CONSTRUCTION

REVISIONS

PROPOSED SIGNAL

SEE SHEET 31 FOR -L- PROFILE
SEE SHEET 49 FOR -Y6 RT- PROFILE
SEE SHEET 49 FOR -Y6 LT- PROFILE



ROADWAY DESIGN UNIT ROADWAY DESIGN ENGINEER

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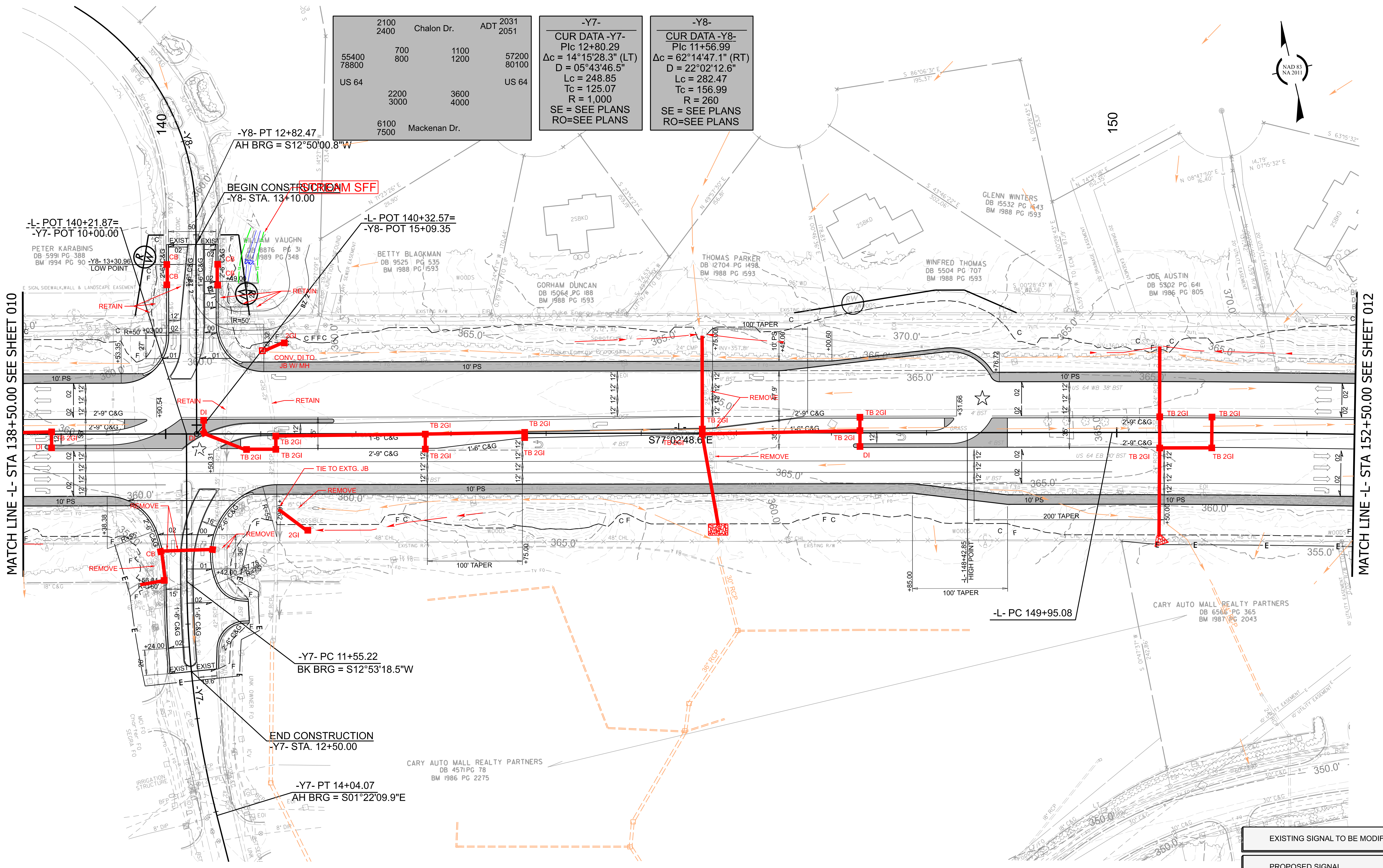
INCOMPLETE PLANS DO NOT BE FOR FIELD USE

REVISIONS

2100 2400	Chalon Dr.	ADT 2031 2051
55400 78800	700 800	1100 1200
US 64	2200 3000	3600 4000
6100 7500	Mackenan Dr.	US 64

-Y7-
CUR DATA -Y7-
Plc 12+80.29
 $\Delta c = 14^\circ 15' 28.3''$ (LT)
 $D = 05^\circ 43' 46.5''$
 $Lc = 248.85$
 $Tc = 125.07$
 $R = 1,000$
SE = SEE PLANS
RO=SEE PLANS

-Y8-
CUR DATA -Y8-
Plc 11+56.99
 $\Delta c = 62^\circ 14' 47.1''$ (RT)
 $D = 22^\circ 02' 12.6''$
 $Lc = 282.47$
 $Tc = 156.99$
 $R = 260$
SE = SEE PLANS
RO=SEE PLANS



EXISTING SIGNAL TO BE MODIFIED

PROPOSED SIGNAL

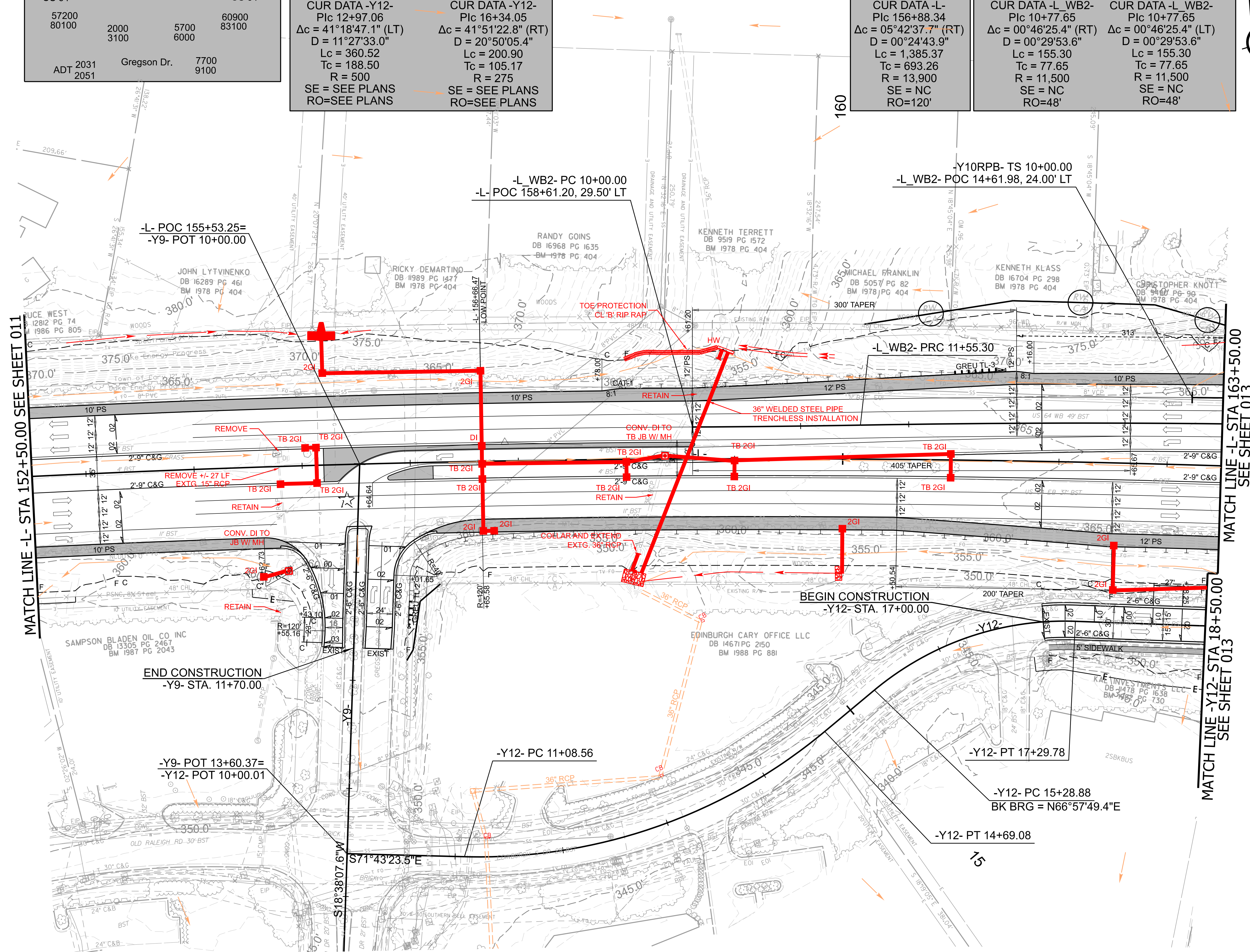
SEE SHEET 31 FOR -L- PROFILE
SEE SHEET 49 FOR -Y7- PROFILE
SEE SHEET 49 FOR -Y8- PROFILE

US 64		US 64
57200	2000	60900
80100	3100	83100
ADT 2031	Gregson Dr.	7700
2051		9100

-Y12-	
CUR DATA -Y12- Plc 12+97.06 $\Delta c = 41^\circ 18'47.1''$ (LT) D = 11°27'33.0" Lc = 360.52 Tc = 188.50 R = 500 SE = SEE PLANS RO=SEE PLANS	CUR DATA -Y12- Plc 16+34.05 $\Delta c = 41^\circ 51'22.8''$ (RT) D = 20°50'05.4" Lc = 200.90 Tc = 105.17 R = 275 SE = SEE PLANS RO=SEE PLANS

-L-
CUR DATA -L- Plc 156+88.34 $\Delta c = 05^\circ 42'37.7''$ (RT) D = 00°24'43.9" Lc = 1,385.37 Tc = 693.26 R = 13,900 SE = NC RO=120'

-L_WB2-	
CUR DATA -L_WB2- Plc 10+77.65 $\Delta c = 00^\circ 46'25.4''$ (RT) D = 00°29'53.6" Lc = 155.30 Tc = 77.65 R = 11,500 SE = NC RO=48'	CUR DATA -L_WB2- Plc 10+77.65 $\Delta c = 00^\circ 46'25.4''$ (LT) D = 00°29'53.6" Lc = 155.30 Tc = 77.65 R = 11,500 SE = NC RO=48'



MATCH LINE -L- STA 152+50.00 SEE SHEET 011

MATCH LINE -L- STA 163+50.00 SEE SHEET 013

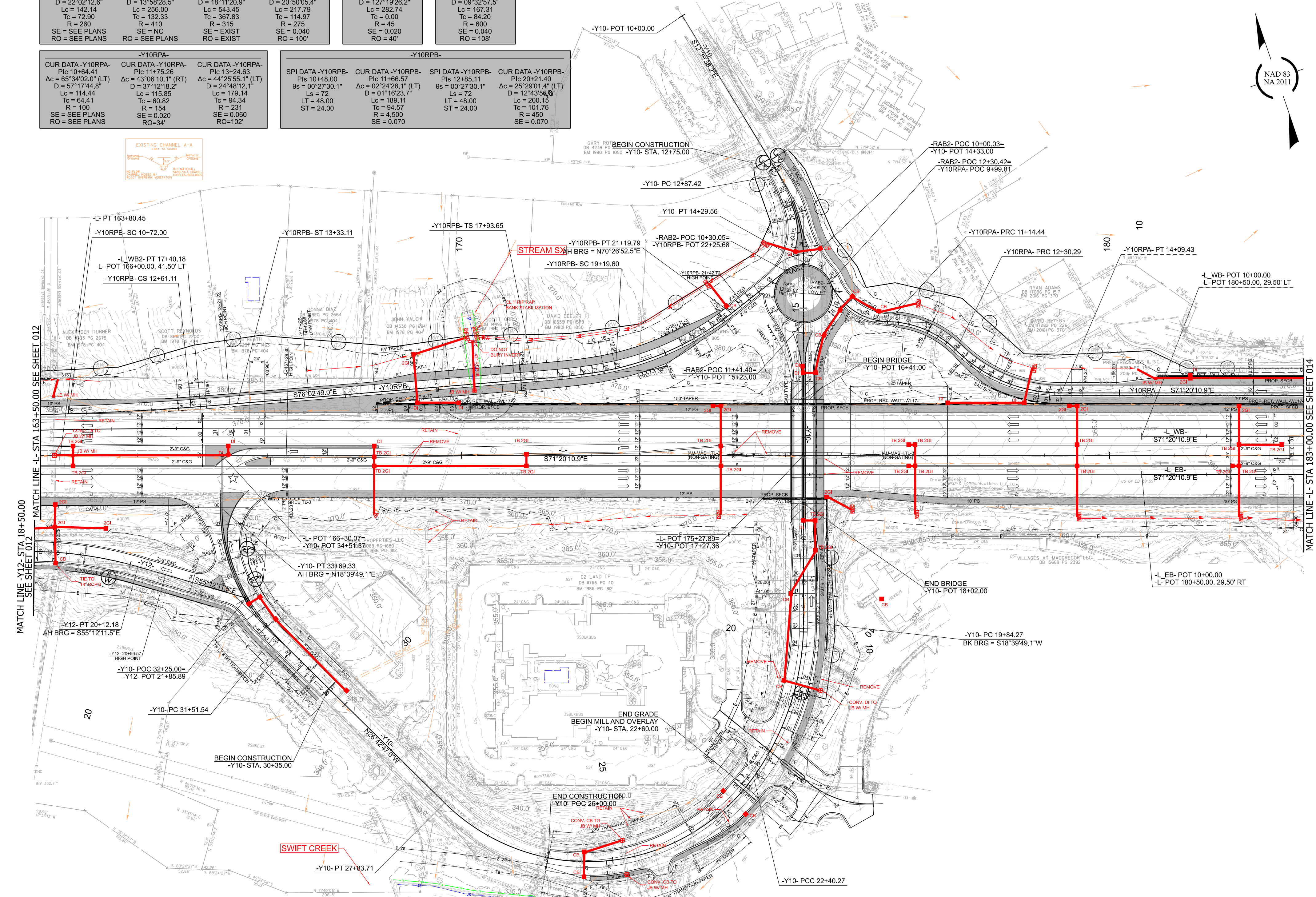
MATCH LINE -Y12- STA 18+50.00 SEE SHEET 013

REVISIONS

EXISTING SIGNAL TO BE MODIFIED

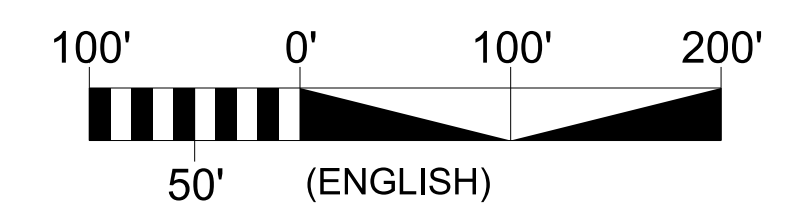
SEE SHEET 31 FOR -L- PROFILE
SEE SHEET 50 FOR -Y9- PROFILE
SEE SHEET 55 FOR -Y12- PROFILE

-Y10- CUR DATA -Y10- P/C 13+60.31 $\Delta c = 31^{\circ}19'27.3"$ (RT) $D = 22'02'12.6"$ $Lc = 142.14$ $Tc = 72.90$ $R = 260$ SE = SEE PLANS RO = SEE PLANS	-Y10- CUR DATA -Y10- P/C 21+16.59 $\Delta c = 35^{\circ}46'29.7"$ (RT) $D = 13^{\circ}58'28.5"$ $Lc = 256.00$ $Tc = 132.33$ $R = 410$ SE = WC RO = SEE PLANS	-Y10- CUR DATA -Y10- P/C 26+08.10 $\Delta c = 98^{\circ}50'53.5"$ (RT) $D = 18^{\circ}11'20.9"$ $Lc = 543.45$ $Tc = 367.83$ $R = 315$ SE = EXIST RO = EXIST	-Y10- CUR DATA -Y10- P/C 32+66.51 $\Delta c = 45^{\circ}22'36.8"$ (RT) $D = 20^{\circ}50'05.4"$ $Lc = 217.79$ $Tc = 114.97$ $R = 275$ SE = EXIST RO = 100'	-RAB2- CUR DATA -RAB2- P/C 10+00.00 $\Delta c = 360^{\circ}00'00.0"$ (RT) $D = 127^{\circ}19'26.2"$ $Lc = 282.74$ $Tc = 0.00$ $R = 45$ SE = 0.020 RO = 40'	-Y12- CUR DATA -Y12- P/C 19+29.07 $\Delta c = 15^{\circ}58'36.3"$ (RT) $D = 09^{\circ}32'57.5"$ $Lc = 167.31$ $Tc = 84.20$ $R = 600$ SE = 0.040 RO = 108'
-Y10RPA- CUR DATA -Y10RPA- P/C 10+64.41 $\Delta c = 65^{\circ}34'02.0"$ (LT) $D = 57^{\circ}17'44.8"$ $Lc = 114.44$ $Tc = 64.41$ $R = 100$ SE = SEE PLANS RO = SEE PLANS	-Y10RPA- CUR DATA -Y10RPA- P/C 11+75.26 $\Delta c = 43^{\circ}06'10.1"$ (RT) $D = 37^{\circ}12'18.2"$ $Lc = 115.85$ $Tc = 60.82$ $R = 154$ SE = 0.020 RO = 34'	-Y10RPA- CUR DATA -Y10RPA- P/C 13+24.63 $\Delta c = 44^{\circ}25'55.1"$ (LT) $D = 24^{\circ}48'12.1"$ $Lc = 179.14$ $Tc = 94.34$ $R = 231$ SE = 0.060 RO = 102'	-Y10RPB- SPI DATA -Y10RPB- P/Cs 10+48.00 $\Delta c = 00^{\circ}27'30.1"$ $D = 01^{\circ}16'23.7"$ $Ls = 72$ $LT = 48.00$ $ST = 24.00$ SE = 0.070	-Y10RPB- SPI DATA -Y10RPB- P/Cs 11+66.57 $\Delta c = 02^{\circ}24'28.1"$ (LT) $D = 01^{\circ}16'23.7"$ $Ls = 72$ $LT = 48.00$ $ST = 24.00$ SE = 0.070	-Y10RPB- CUR DATA -Y10RPB- P/Cs 12+85.11 $\Delta c = 00^{\circ}27'30.1"$ $D = 12^{\circ}43'54.8"$ $Ls = 72$ $LT = 48.00$ $ST = 24.00$ SE = 0.070



MATCH LINE -L- STA 163+50.00 SEE SHEET 012

MATCH LINE -L- STA 183+00.00 SEE SHEET 014



PROPOSED SIGNAL

SEE SHEET 32 FOR -L- PROFILE
 SEE SHEET 50 FOR -Y10- PROFILE
 SEE SHEET 51 FOR -Y10RPA- PROFILE
 SEE SHEET 52 FOR -Y10RPB- PROFILE
 SEE SHEET 55 FOR -Y12- PROFILE
 SEE SHEET 58 FOR -RAB2- PROFILE
 SEE SHEETS 2W-17 - 2W-19 FOR -WL17-,
 -WL18-, -WL19- WALL ENVELOPES

U-5301
 DRPS 013
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WAKE COUNTY

ROADWAY DESIGN UNIT
 ROADWAY DESIGN ENGINEER

PREPARED BY
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-Y11LPC-		
SPI DATA -Y11LPC- Pls 10+90.28 θs = 20°32'45.6" Ls = 136 LT = 90.28 ST = 46.93	CUR DATA -Y11LPC- Plc 32+67.39 Δc = 190°24'05.4" (LT) D = 29°32'02.1" Lc = 644.69 Tc = 2131.39 R = 194 SE = 0.080	SPI DATA -Y11LPC- Pls 18+26.56 θs = 20°04'59.0" Ls = 136 LT = 91.26 ST = 45.87

-Y11RPC- CUR DATA -Y11RPC-	
Plc 11+06.16 Δc = 44°02'42.0" (LT) D = 32°44'25.6" Lc = 134.53 Tc = 70.78 R = 175 SE = SEE PLANS RO = SEE PLANS	

-Y11RPC2- CUR DATA -Y11RPC2-	
Plc 11+51.12 Δc = 90°25'28.5" (LT) D = 38°11'49.9" Lc = 236.73 Tc = 151.12 R = 150 SE = SEE PLANS RO = SEE PLANS	

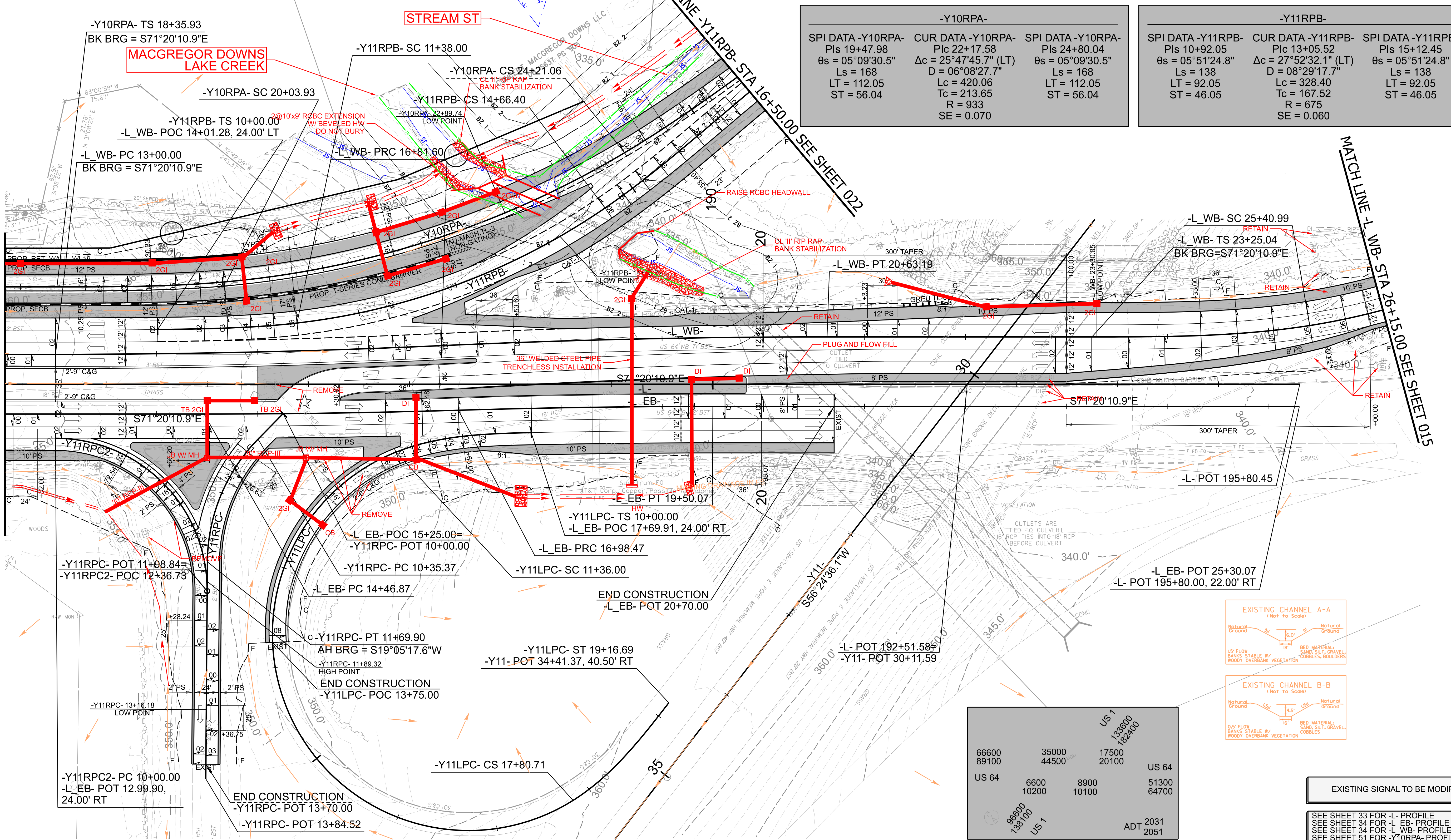
-L_EB-	
CUR DATA -L_EB- Plc 15+72.68 Δc = 01°42'28.9" (LT) D = 00°40'43.9" Lc = 251.60 Tc = 125.81 R = 8,440 SE = 0.020	CUR DATA -L_EB- Plc 18+24.28 Δc = 01°42'28.9" (RT) D = 00°40'43.9" Lc = 251.60 Tc = 125.81 R = 8,440 SE = NC

-L_WB-	
CUR DATA -L_WB- Plc 14+90.83 Δc = 02°35'25.8" (LT) D = 00°40'43.9" Lc = 381.60 Tc = 190.83 R = 8,440 SE = NC RO = 72'	CUR DATA -L_WB- Plc 18+72.43 Δc = 02°35'25.8" (RT) D = 00°40'43.9" Lc = 381.60 Tc = 190.83 R = 8,440 SE = 0.020 RO = 72'

-L_WB-	
SPI DATA -L_WB- Pls 24+69.18 θs = 08°58'04.9" Ls = 216 LT = 144.19 ST = 72.17	CUR DATA -L_WB- Plc 25+88.86 Δc = 07°56'15.0" (LT) D = 08°18'13.5" Lc = 95.59 Tc = 47.87 R = 690 SE = 0.060



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MATCH LINE -L- STA 183+00.00 SEE SHEET 013

MATCH LINE -Y11RPB- STA 16+50.00 SEE SHEET 022

MATCH LINE -L- WB- STA 26+15.00 SEE SHEET 015

-Y10RPA-		
SPI DATA -Y10RPA- Pls 19+47.98 θs = 05°09'30.5" Ls = 168 LT = 112.05 ST = 56.04	CUR DATA -Y10RPA- Plc 22+17.58 Δc = 25°47'45.7" (LT) D = 06°08'27.7" Lc = 420.06 Tc = 213.65 R = 933 SE = 0.070	SPI DATA -Y10RPA- Pls 24+80.04 θs = 05°09'30.5" Ls = 168 LT = 112.05 ST = 56.04

-Y11RPB-		
SPI DATA -Y11RPB- Pls 10+92.05 θs = 05°51'24.8" Ls = 138 LT = 92.05 ST = 46.05	CUR DATA -Y11RPB- Plc 13+05.52 Δc = 27°52'32.1" (LT) D = 08°29'17.7" Lc = 328.40 Tc = 167.52 R = 675 SE = 0.060	SPI DATA -Y11RPB- Pls 15+12.45 θs = 05°51'24.8" Ls = 138 LT = 92.05 ST = 46.05

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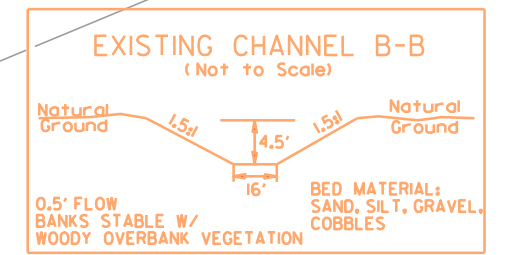
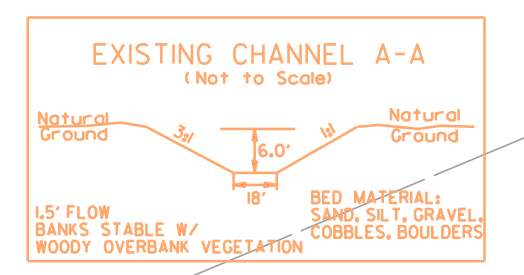
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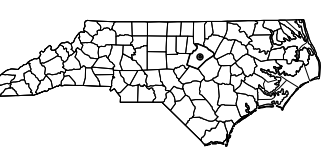


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89100	44500	20100	135600
			182400
US 64	6600	8900	US 64
	10200	10100	51300
			64700
98600			ADT 2031
138100			2051

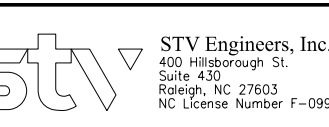
EXISTING SIGNAL TO BE MODIFIED

SEE SHEET 33 FOR -L- PROFILE
SEE SHEET 34 FOR -L_EB- PROFILE
SEE SHEET 34 FOR -L_WB- PROFILE
SEE SHEET 51 FOR -Y10RPA- PROFILE
SEE SHEET 53 FOR -Y11RPB- PROFILE
SEE SHEET 53 FOR -Y11RPC- PROFILE
SEE SHEET 53 FOR -Y11RPC2- PROFILE
SEE SHEET 54 FOR -Y11LPC- PROFILE
SEE SHEET 2W-20 & 2W-22 FOR -WL17- & -WL19- WALL ENVELOPES

-L_WB-	
CUR DATA -L_WB-	SPI DATA -L_WB-
Plc 25+88.86	Pls 27+08.75
$\Delta c = 07^{\circ}56'15.0"$ (LT)	$\theta_s = 08^{\circ}58'04.9"$
D = 08°18'13.5"	Ls = 216
Lc = 95.59	LT = 144.19
Tc = 47.87	ST = 72.17
R = 690	
SE = 0.060	



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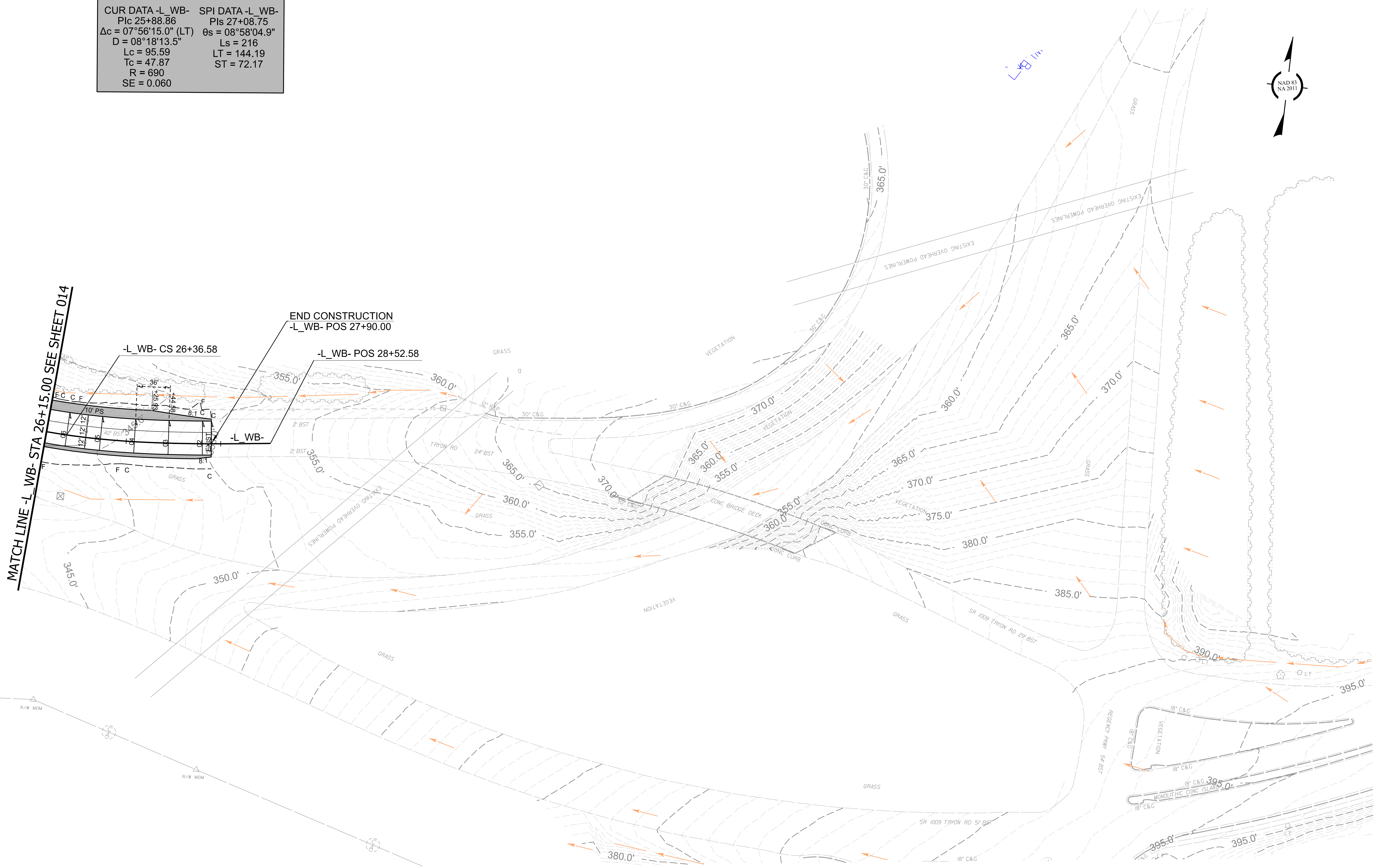
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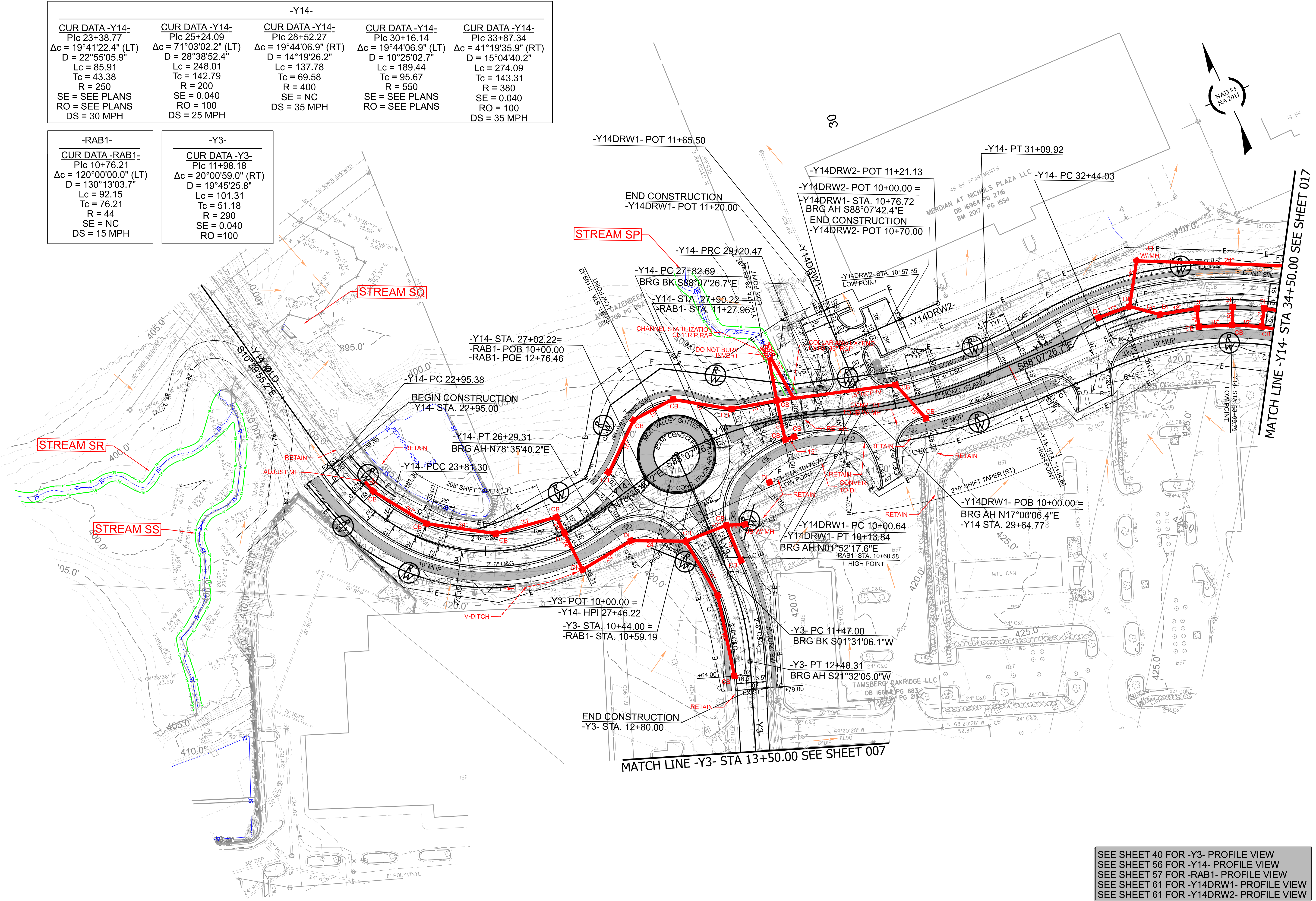
END CONSTRUCTION
-L_WB- POS 27+90.00



SEE SHEET 35 FOR -L_WB- PROFILE

-Y14-				
CUR DATA -Y14- Plc 23+38.77 Δc = 19°41'22.4" (LT) D = 22°55'05.9" Lc = 85.91 Tc = 43.38 R = 250 SE = SEE PLANS RO = SEE PLANS DS = 30 MPH	CUR DATA -Y14- Plc 25+24.09 Δc = 71°03'02.2" (LT) D = 28°38'52.4" Lc = 248.01 Tc = 142.79 R = 200 SE = 0.040 RO = 100 DS = 25 MPH	CUR DATA -Y14- Plc 28+52.27 Δc = 19°44'06.9" (RT) D = 14°19'26.2" Lc = 137.78 Tc = 69.58 R = 400 SE = NC DS = 35 MPH	CUR DATA -Y14- Plc 30+16.14 Δc = 19°44'06.9" (LT) D = 10°25'02.7" Lc = 189.44 Tc = 95.67 R = 550 SE = SEE PLANS RO = SEE PLANS	CUR DATA -Y14- Plc 33+87.34 Δc = 41°19'35.9" (RT) D = 15°04'40.2" Lc = 274.09 Tc = 143.31 R = 380 SE = 0.040 RO = 100 DS = 35 MPH

-RAB1-	-Y3-
CUR DATA -RAB1- Plc 10+76.21 Δc = 120°00'00.0" (LT) D = 130°13'03.7" Lc = 92.15 Tc = 76.21 R = 44 SE = NC DS = 15 MPH	CUR DATA -Y3- Plc 11+98.18 Δc = 20°00'59.0" (RT) D = 19°45'25.8" Lc = 101.31 Tc = 51.18 R = 290 SE = 0.040 RO = 100



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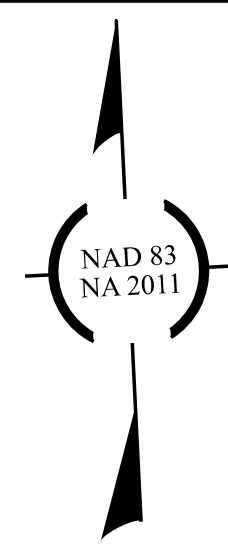
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SEE SHEET 40 FOR -Y3- PROFILE VIEW
SEE SHEET 56 FOR -Y14- PROFILE VIEW
SEE SHEET 57 FOR -RAB1- PROFILE VIEW
SEE SHEET 61 FOR -Y14DRW1- PROFILE VIEW
SEE SHEET 61 FOR -Y14DRW2- PROFILE VIEW

-Y14-			-Y4-
CUR DATA -Y14- Pic 33+87.34 $\Delta c = 41^\circ 19' 35.9''$ (RT) D = 15°04'40.2" Lc = 274.09 Tc = 143.31 R = 380 SE = 0.040 RO = 100 DS = 35 MPH	CUR DATA -Y14- Pic 37+87.31 $\Delta c = 40^\circ 21' 32.7''$ (LT) D = 15°54'55.8" Lc = 253.58 Tc = 132.31 R = 360 SE = SEE PLANS RO = SEE PLANS DS = 35 MPH	CUR DATA -Y14- Pic 46+91.57 $\Delta c = 08^\circ 21' 17.1''$ (RT) D = 02°12'13.3" Lc = 379.13 Tc = 189.90 R = 2,600 SE = 0.020 RO = 50	CUR DATA -Y4- Pic 15+97.38 $\Delta c = 16^\circ 53' 01.5''$ (RT) D = 05°12'31.3" Lc = 324.14 Tc = 163.26 R = 1,100 SE = 0.030 RO = 69



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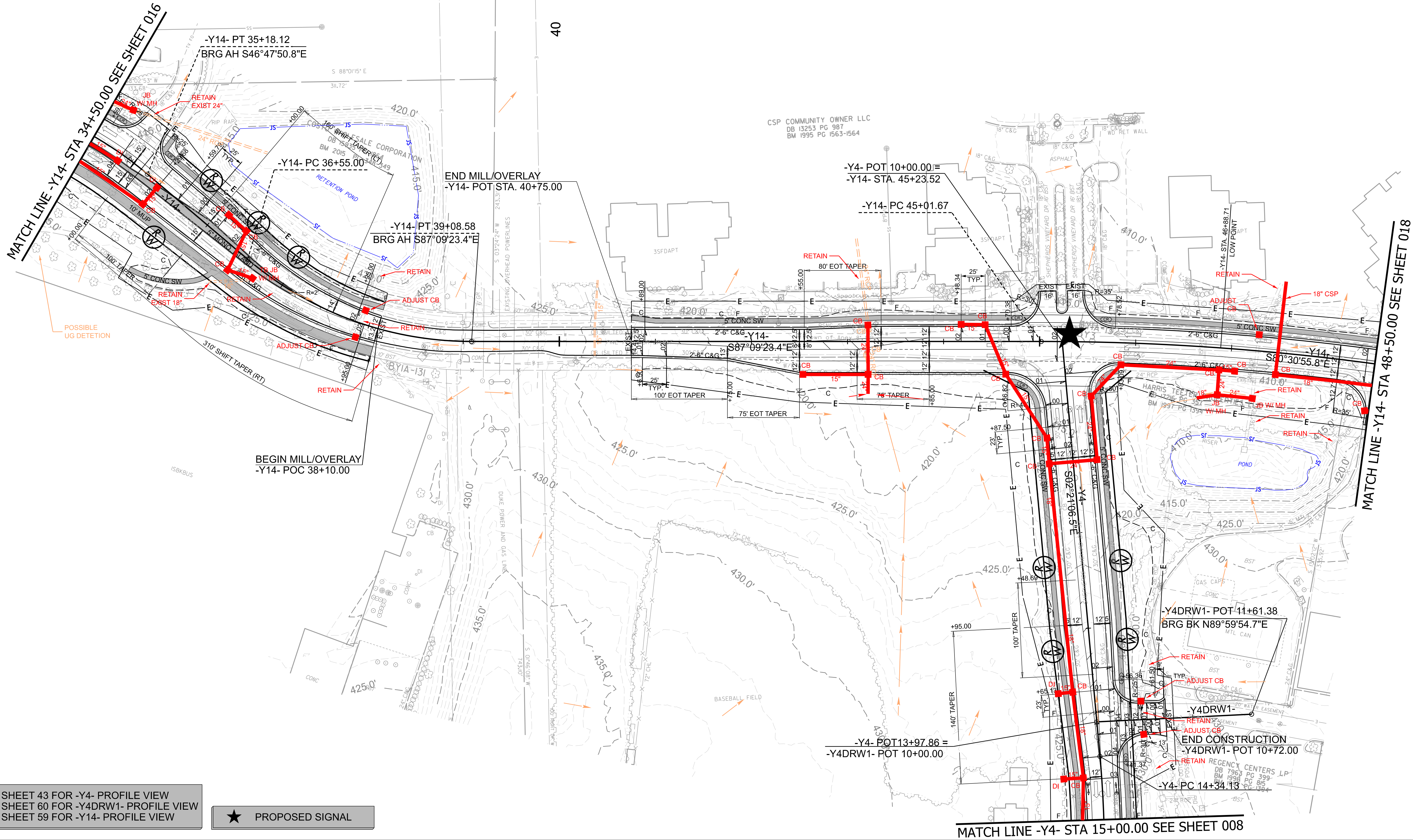
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SEE SHEET 43 FOR -Y4- PROFILE VIEW
SEE SHEET 60 FOR -Y4DRW1- PROFILE VIEW
SEE SHEET 59 FOR -Y14- PROFILE VIEW

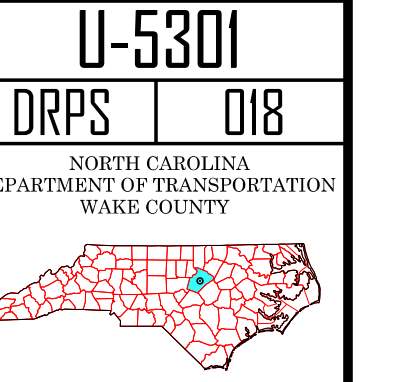
★ PROPOSED SIGNAL

MATCH LINE -Y4- STA 15+00.00 SEE SHEET 008

REVISIONS

-Y14-		
CUR DATA -Y14- P/c 50+51.14 $\Delta c = 08^{\circ}31'37.0''$ (RT) $D = 02^{\circ}30'26.9''$ $Lc = 340.06$ $Tc = 170.35$ $R = 2,285$ $SE = 0.030$ $RO = 75$	CUR DATA -Y14- P/c 54+24.14 $\Delta c = 28^{\circ}41'12.3''$ (RT) $D = 07^{\circ}12'25.3''$ $Lc = 398.04$ $Tc = 203.28$ $R = 795$ $SE = 0.020$ $RO = 50$	CUR DATA -Y14- P/c 56+77.44 $\Delta c = 08^{\circ}48'34.4''$ (RT) $D = 07^{\circ}32'20.1''$ $Lc = 116.85$ $Tc = 58.54$ $R = 760$ $SE = \text{SEE PLANS}$ $RO = \text{SEE PLANS}$

-Y5-	-Y5DRW1-
CUR DATA -Y5- P/c 13+98.30 $\Delta c = 41^{\circ}12'51.0''$ (LT) $D = 13^{\circ}58'28.5''$ $Lc = 294.92$ $Tc = 154.17$ $R = 410$ $SE = 0.040$ $RO = 148$ $V = 35$ MPH	CUR DATA -Y5DRW1- P/c 11+44.77 $\Delta c = 21^{\circ}21'03.9''$ (RT) $D = 38^{\circ}11'49.9''$ $Lc = 55.90$ $Tc = 28.28$ $R = 150$ $SE = \text{SEE PLANS}$ $RO = \text{SEE PLANS}$



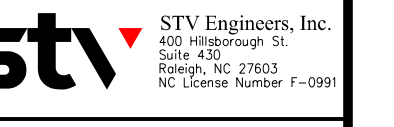
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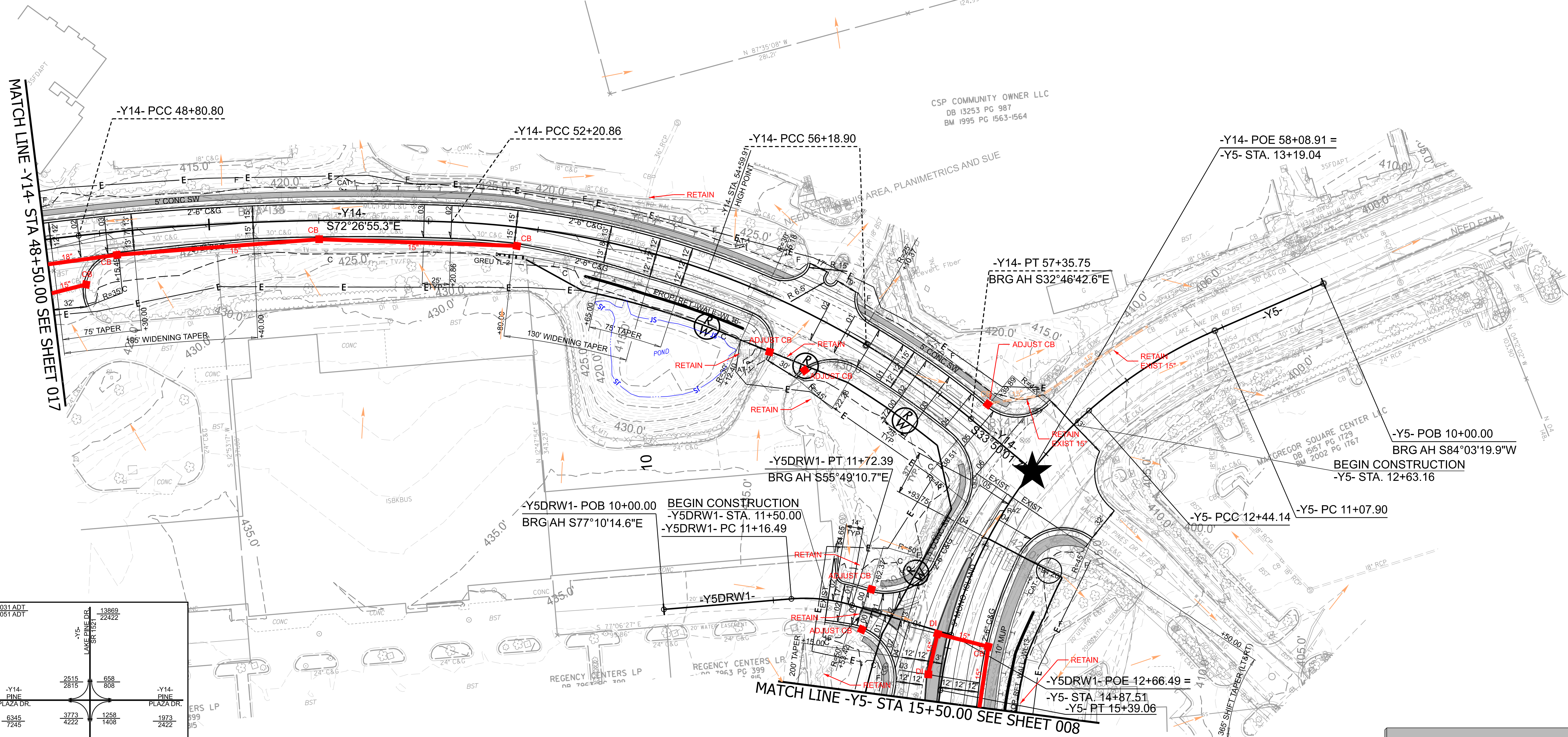
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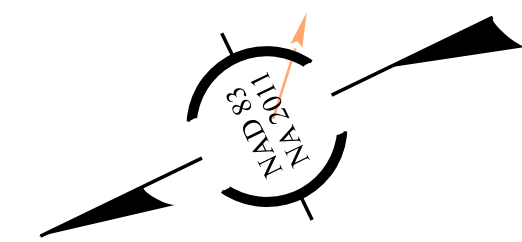


2031 ADT	2081 ADT	13869	22422
2515	2815	658	808
6345	3773	1258	1973
7245	4222	1408	2422
		15727	24430

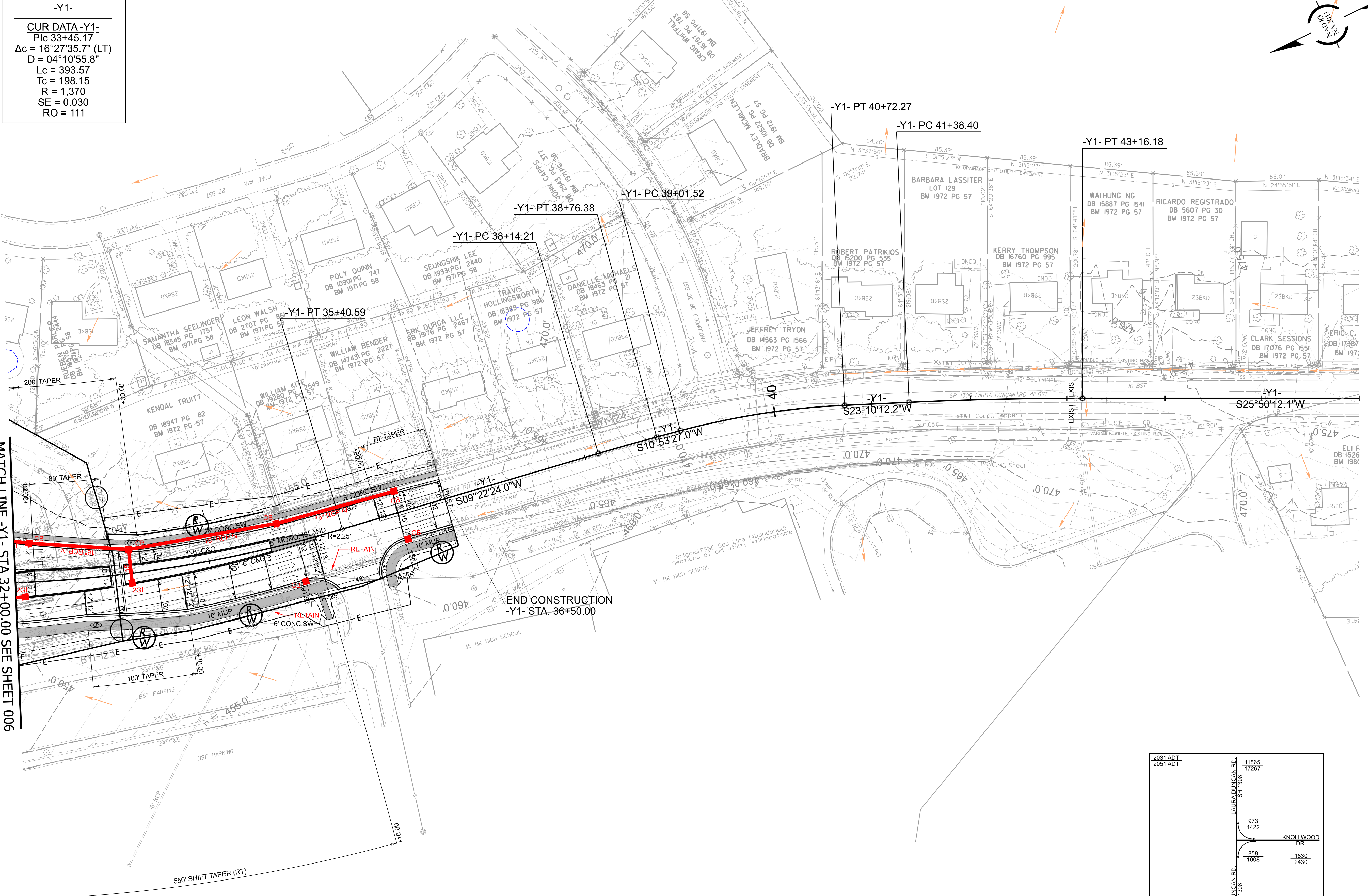
★ PROPOSED SIGNAL

SEE SHEET 45 FOR -Y5- PROFILE VIEW
SEE SHEET 60 FOR -Y5DRW1- PROFILE VIEW
SEE SHEET 59 FOR -Y14- PROFILE VIEW

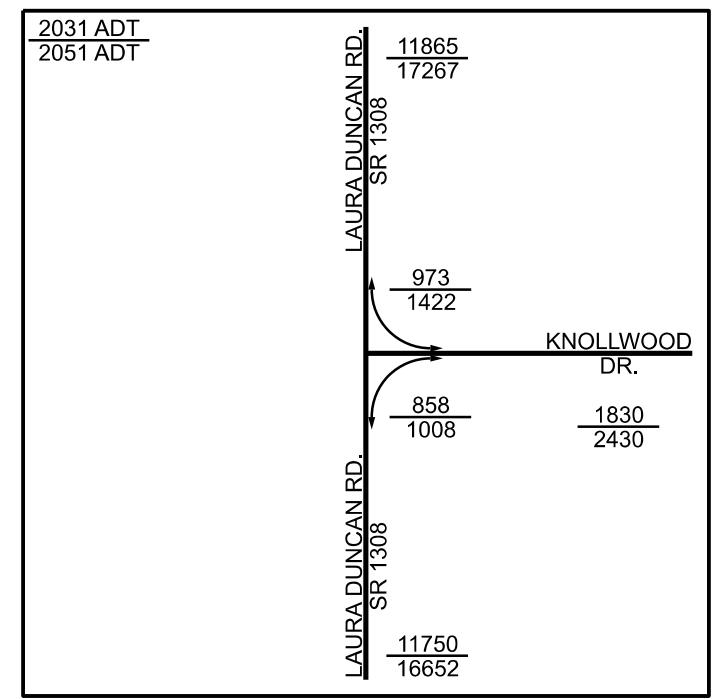
-Y1-
 CUR DATA -Y1-
 P/c 33+45.17
 $\Delta c = 16^{\circ}27'35.7''$ (LT)
 $D = 04^{\circ}10'55.8''$
 $Lc = 393.57$
 $Tc = 198.15$
 $R = 1,370$
 $SE = 0.030$
 $RO = 111$



REVISIONS



MATCH LINE -Y1- STA 32+00.00 SEE SHEET 006



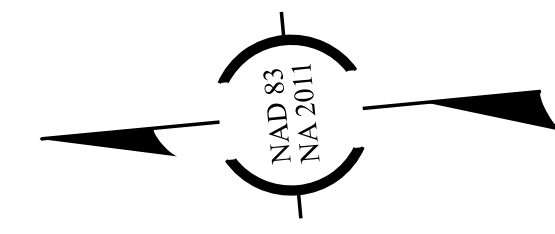
SEE SHEET 37 FOR -Y1- PROFILE VIEW

-Y4-	
CUR DATA -Y4- Plc 23+94.80 Δc = 06°57'04.7" (LT) D = 01°30'28.0" Lc = 461.03 Tc = 230.80 R = 3,800 SE = NC	CUR DATA -Y4- Plc 29+51.90 Δc = 49°46'31.7" (LT) D = 20°27'46.0" Lc = 243.25 Tc = 129.90 R = 280 SE = SEE PLANS RO = SEE PLANS DS = 30 MPH

-Y4_LT-	
CUR DATA -Y4 LT- Plc 27+73.93 Δc = 27°26'51.9" (LT) D = 07°50'55.5" Lc = 349.71 Tc = 178.28 R = 730 SE = 0.040 RO = 108	CUR DATA -Y4 LT- Plc 29+67.47 Δc = 07°54'16.5" (LT) D = 17°54'17.8" Lc = 44.15 Tc = 22.11 R = 320 SE = SEE PLANS RO = SEE PLANS DS = 30 MPH

-Y4A-	
CUR DATA -Y4A- Plc 12+12.75 Δc = 09°33'54.2" (LT) D = 08°48'53.0" Lc = 108.51 Tc = 54.38 R = 650 SE = SEE PLANS RO = SEE PLANS	CUR DATA -Y4A- Plc 14+53.18 Δc = 14°29'45.1" (RT) D = 07°09'43.1" Lc = 202.40 Tc = 101.74 R = 800 SE = SEE PLANS RO = SEE PLANS

-Y5-	
CUR DATA -Y5- Plc 32+86.90 Δc = 03°14'12.4" (RT) D = 01°36'27.1" Lc = 201.35 Tc = 100.70 R = 3,564.21 SE = SEE PLANS RO = SEE PLANS	



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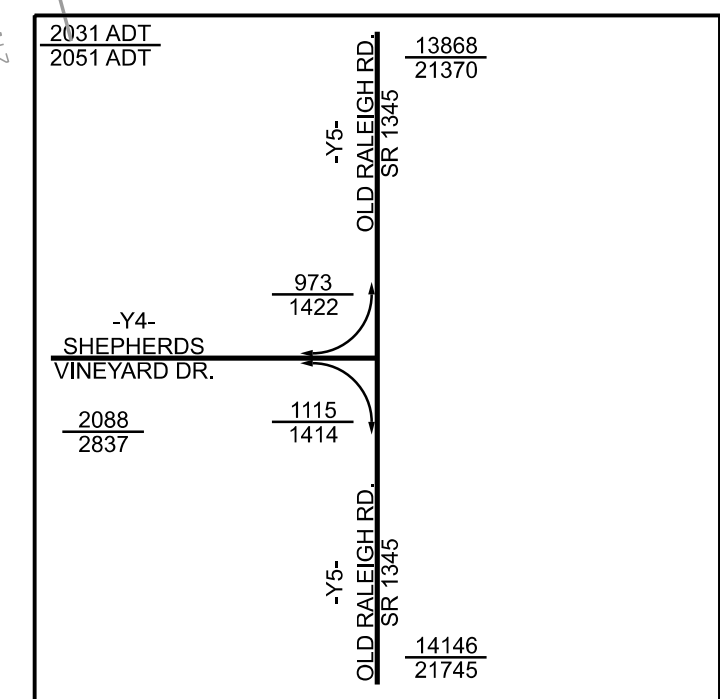
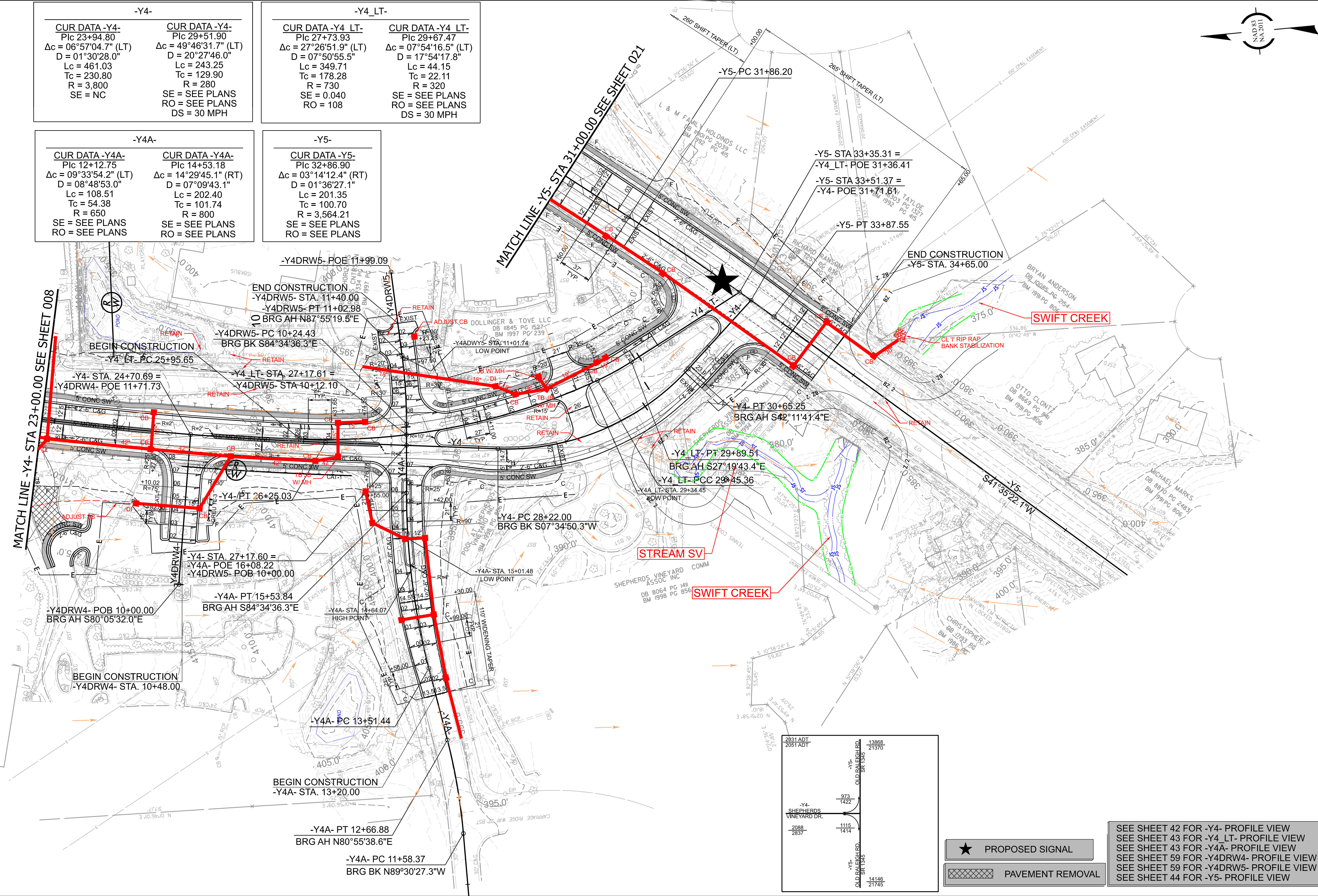
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★ PROPOSED SIGNAL

▨ PAVEMENT REMOVAL

SEE SHEET 42 FOR -Y4- PROFILE VIEW
SEE SHEET 43 FOR -Y4_LT- PROFILE VIEW
SEE SHEET 43 FOR -Y4A- PROFILE VIEW
SEE SHEET 59 FOR -Y4DRW4- PROFILE VIEW
SEE SHEET 59 FOR -Y4DRW5- PROFILE VIEW
SEE SHEET 44 FOR -Y5- PROFILE VIEW

-Y13-	-Y13-	-Y13-
SCS DATA -Y13- Plscs 10+78.1 $\Delta c = 84^{\circ}03'44.4"$ (LT) Tscs = 78.09	CUR DATA -Y13- Plc 11+48.09 $\Delta c = 61^{\circ}16'55.6"$ (LT) D = $22^{\circ}55'05.9"$ Lc = 267.39 Tc = 148.09 R = 250 SE = SEE PLANS RO = SEE PLANS DS = 30 MPH	CUR DATA -Y13- Plc 14+82.95 $\Delta c = 22^{\circ}46'48.9"$ (RT) D = $05^{\circ}21'17.1"$ Lc = 425.42 Tc = 215.56 R = 1,070 SE = 0.04 RO = 108

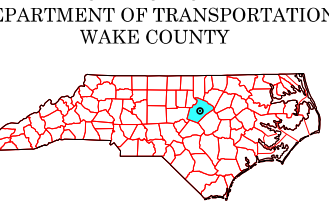
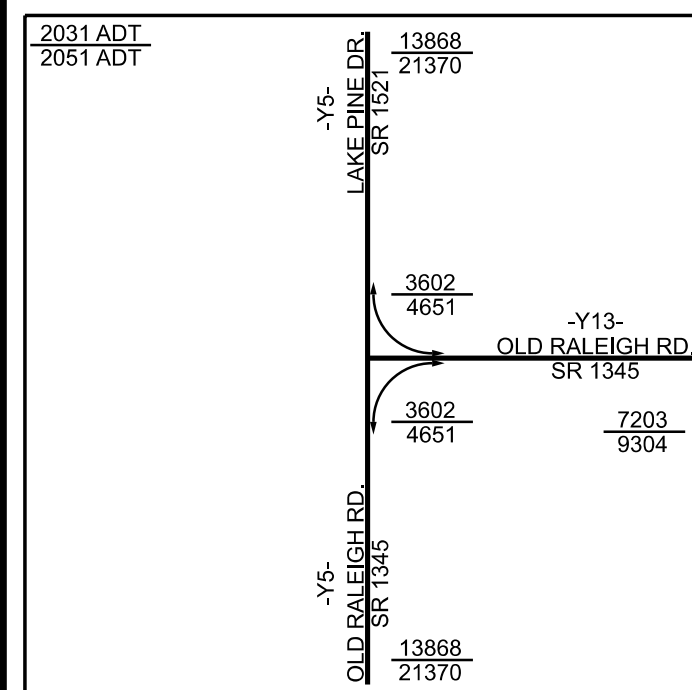
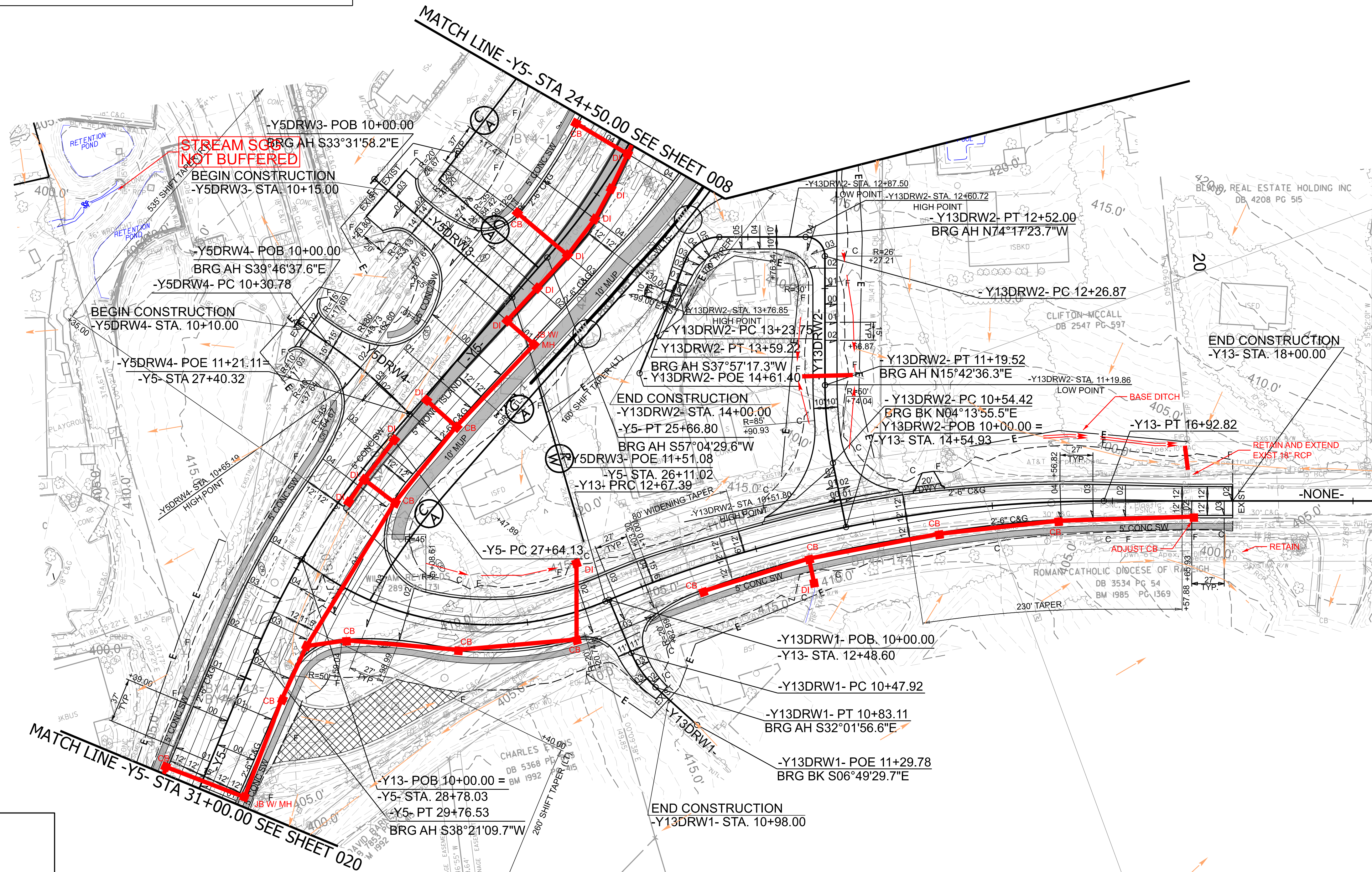
-Y5-
CUR DATA -Y5- Plc 28+71.28 $\Delta c = 18^{\circ}43'19.8"$ (LT) D = $08^{\circ}48'53.0"$ Lc = 212.40 Tc = 107.15 R = 650 SE = 0.040 RO = 148

-Y5DRW4-
CUR DATA -Y5DRW4- Plc 10+76.14 $\Delta c = 12^{\circ}56'20.8"$ (RT) D = $14^{\circ}19'26.2"$ Lc = 90.33 Tc = 45.36 R = 400 SE = SEE PLANS RO = SEE PLANS

-Y13DRW1-
CUR DATA -Y13DRW1- Plc 10+65.80 $\Delta c = 25^{\circ}12'26.9"$ (LT) D = $71^{\circ}37'11.0"$ Lc = 35.20 Tc = 17.89 R = 80 SE = 0.030 RO = 66

-Y13DRW2-
CUR DATA -Y13DRW2- Plc 10+87.08 $\Delta c = 11^{\circ}28'40.9"$ (RT) D = $17^{\circ}37'46.1"$ Lc = 65.11 Tc = 32.66 R = 325 SE = NC

-Y13DRW2-	-Y13DRW2-	-Y13DRW2-
CUR DATA -Y13DRW2- Plc 12+42.87 $\Delta c = 90^{\circ}00'00.0"$ (LT) D = $358^{\circ}05'55.0"$ Lc = 25.13 Tc = 16.00 R = 16 SE = SEE PLANS RO = SEE PLANS	CUR DATA -Y13DRW2- Plc 12+43.89 $\Delta c = 67^{\circ}45'19.1"$ (LT) D = $190^{\circ}59'09.4"$ Lc = 35.48 Tc = 20.14 R = 30 SE = 0.050 RO = SEE PLANS	CUR DATA -Y13DRW2- Plc 13+43.89 $\Delta c = 67^{\circ}45'19.1"$ (LT) D = $190^{\circ}59'09.4"$ Lc = 35.48 Tc = 20.14 R = 30 SE = 0.050 RO = SEE PLANS



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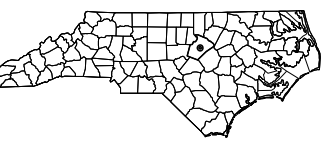


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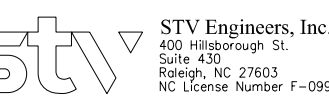
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-Y11RPB-					
SPI DATA -Y11RPB- Pls 16+68.40 θs = 01°00'40.0" Ls = 96 LT = 64.00 ST = 32.00	CUR DATA -Y11RPB- Plc 18+26.95 Δc = 05°19'38.6" (RT) D = 02°06'23.3" Lc = 252.91 Tc = 126.54 R = 2,720 SE = 0.040	SPI DATA -Y11RPB- Pls 20+01.31 θs = 01°31'00.0" Ls = 144 LT = 96.00 ST = 48.00	SPI DATA -Y11RPB- Pls 22+69.37 θs = 02°31'39.9" Ls = 180 LT = 120.01 ST = 60.01	CUR DATA -Y11RPB- Plc 26+09.15 Δc = 15°37'08.0" (LT) D = 02°48'31.0" Lc = 556.11 Tc = 279.79 R = 2,040 SE = 0.050	SPI DATA -Y11RPB- Pls 29+25.47 θs = 01°41'06.6" Ls = 120 LT = 80.00 ST = 40.00

MATCH LINE -Y11RPB- STA 16+50.00 SEE SHEET 014

STREAM ST
-Y10RPA- ST 25+90.39
AH BRG = N72°33'02.5"E

-Y10RPA- POT 27+10.27
-Y11RPB- POC 18+02.61, 12.00' LT

END CONSTRUCTION
-Y11RPB- ST 30+05.47
-Y11- POT 16+00.15, 51.50' RT

-Y11RPB- CS 28+85.47

-Y11RPB- SC 17+00.40

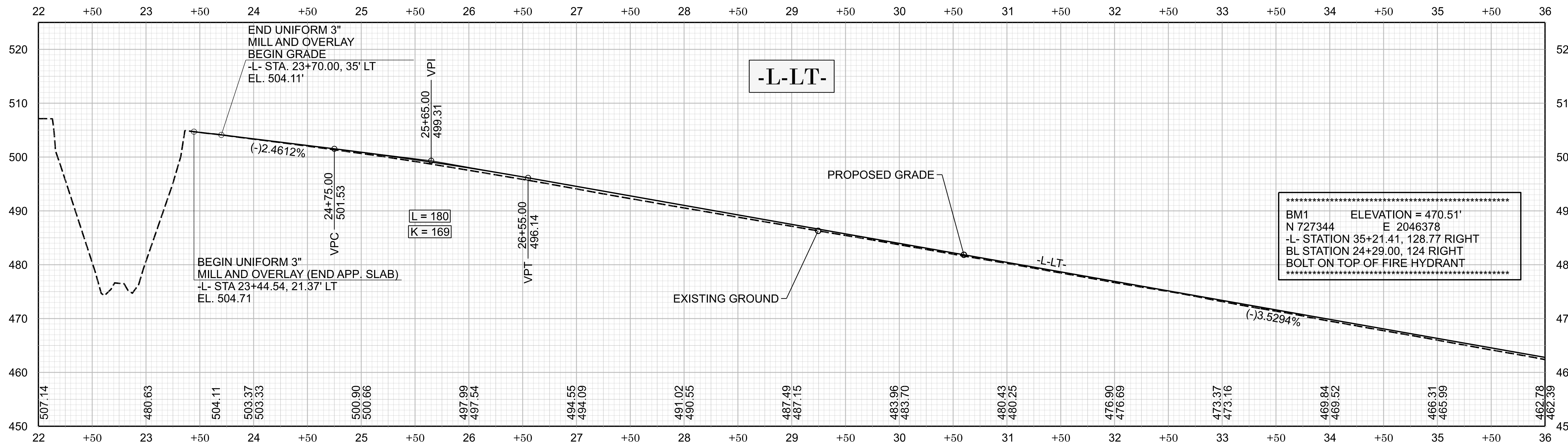
-Y11RPB- ST 20+97.31
AH BRG = N76°14'30.6"E

-Y11RPB- SC 23+29.33

-Y11RPB- TS 21+49.36

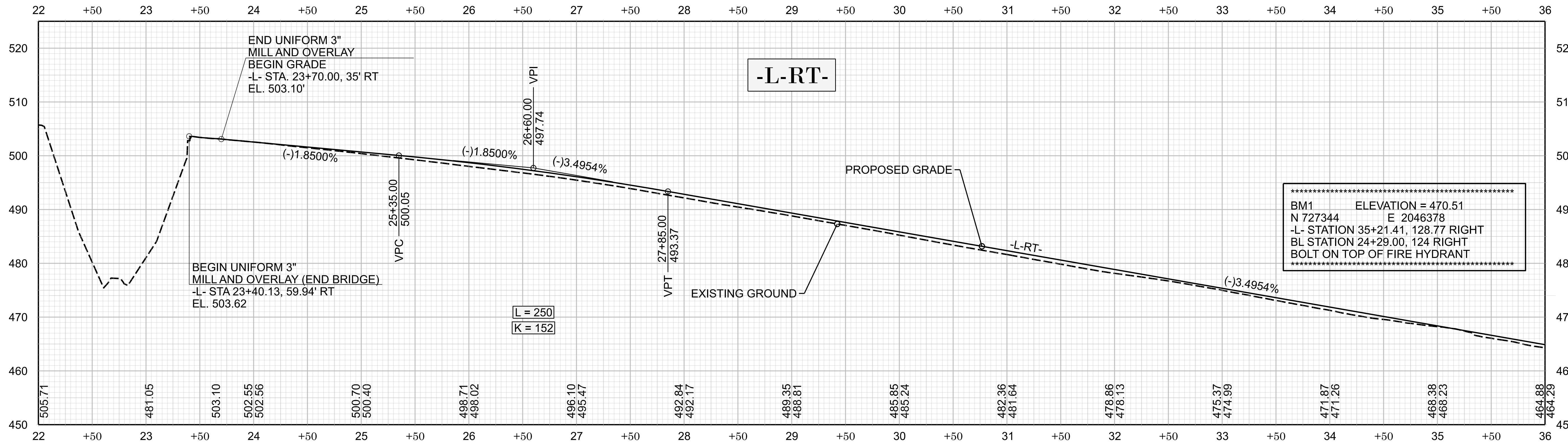
-Y11-
S56°24'36.1"W

SEE SHEET 51 FOR -Y10RPA- PROFILE
SEE SHEETS 52 & 53 FOR -Y11RPB- PROFILE



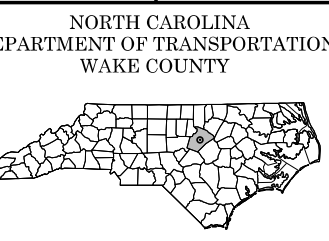
 BM1 ELEVATION = 470.51'
 N 727344 E 2046378
 -L- STATION 35+21.41, 128.77 RIGHT
 BL STATION 24+29.00, 124 RIGHT
 BOLT ON TOP OF FIRE HYDRANT

SEE SHEET 4 FOR -L- PLAN VIEW



 BM1 ELEVATION = 470.51
 N 727344 E 2046378
 -L- STATION 35+21.41, 128.77 RIGHT
 BL STATION 24+29.00, 124 RIGHT
 BOLT ON TOP OF FIRE HYDRANT

SEE SHEET 4 FOR -L- PLAN VIEW



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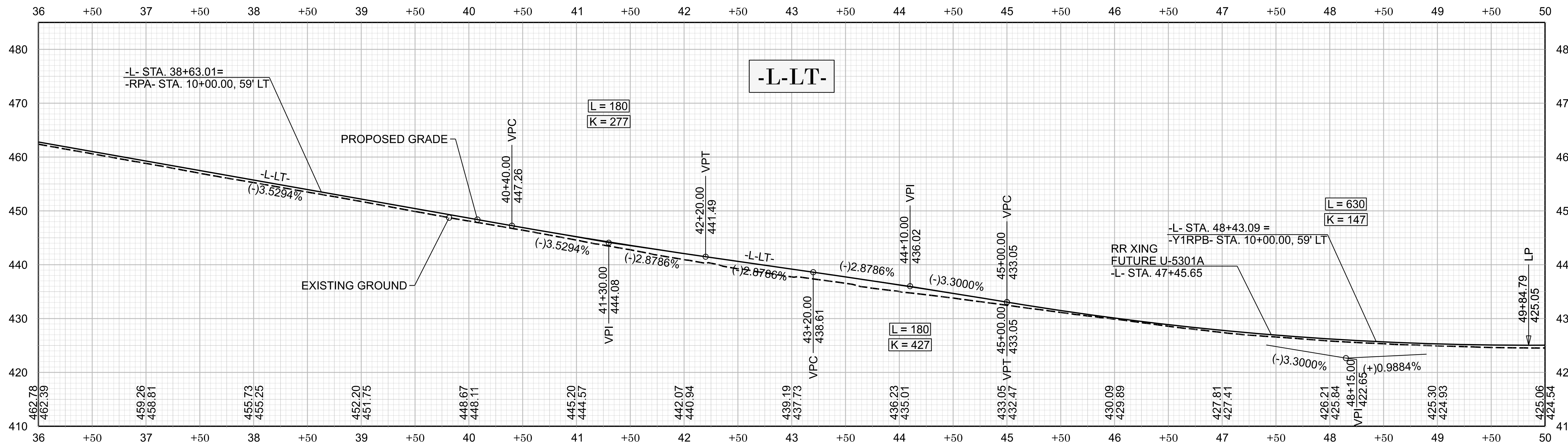


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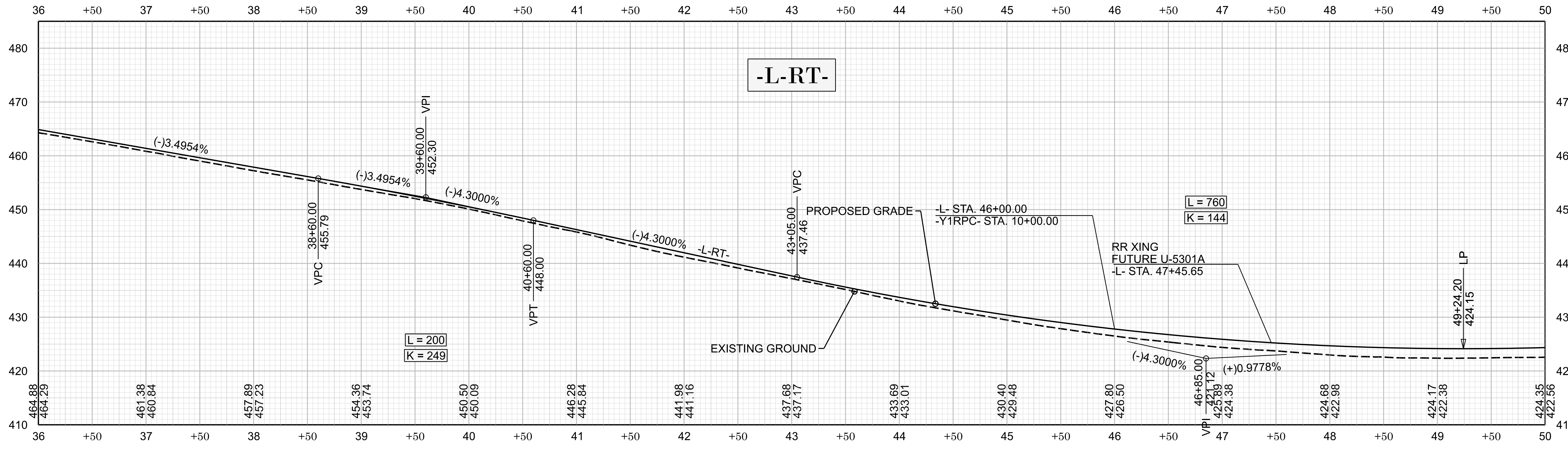
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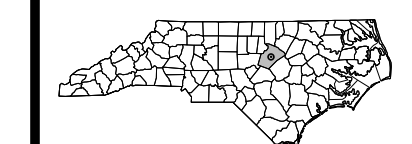
REVISIONS



SEE SHEET 5 FOR -L- PLAN VIEW



SEE SHEET 5 FOR -L- PLAN VIEW



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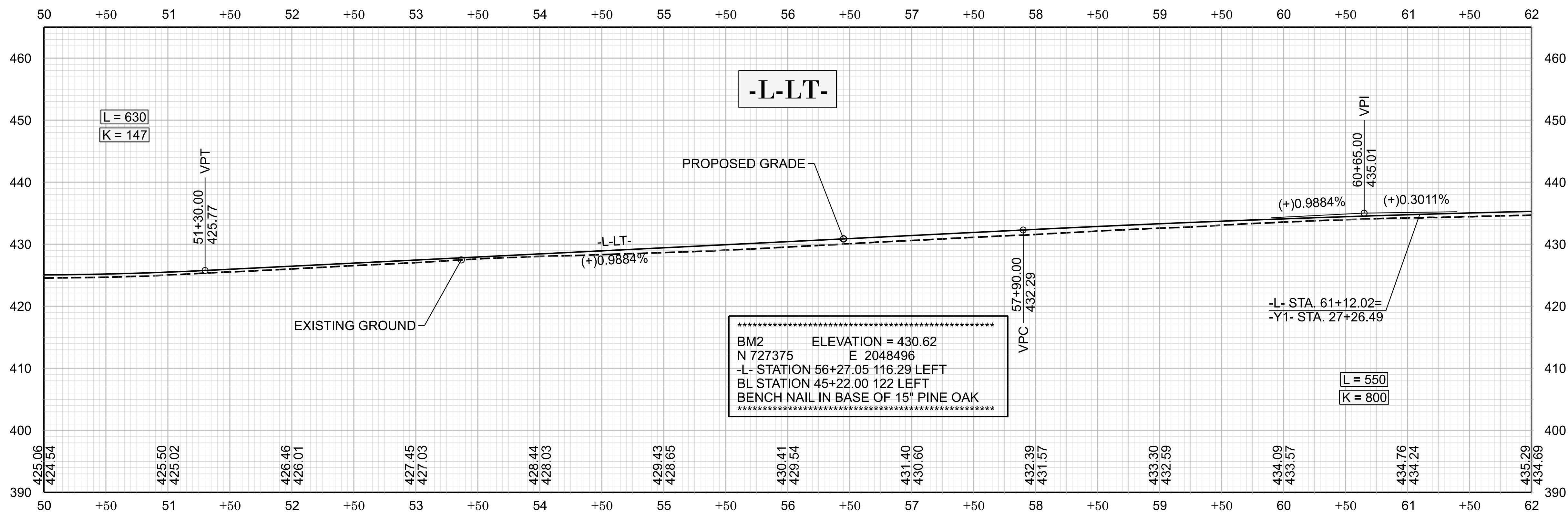


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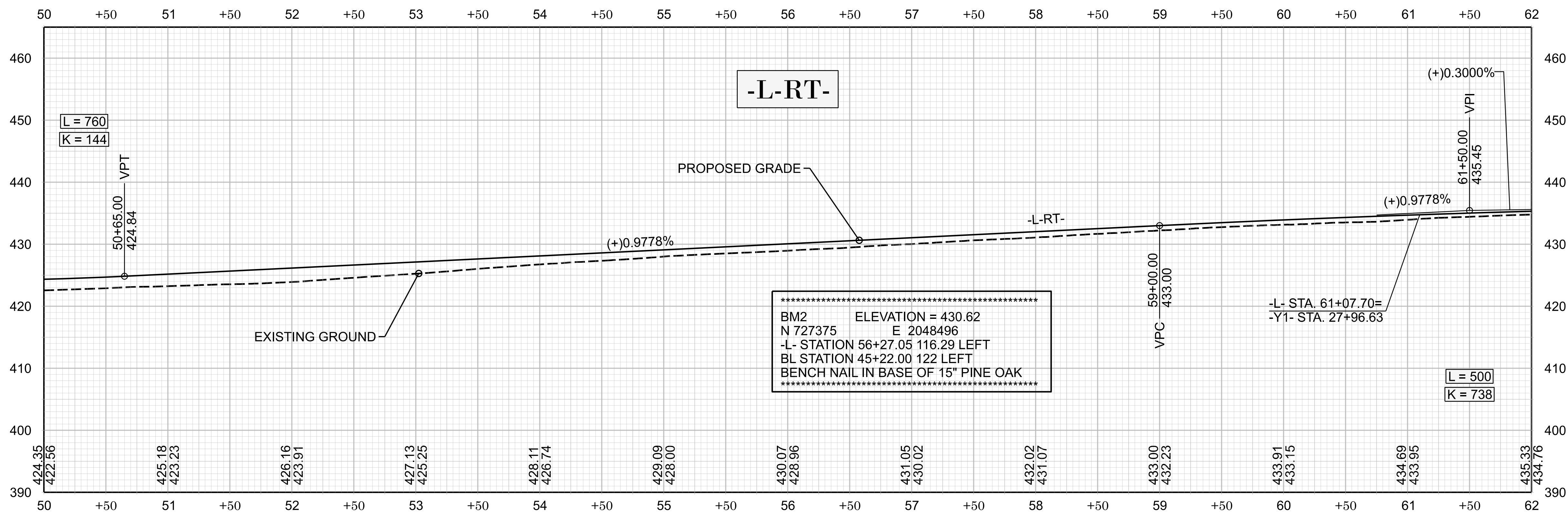
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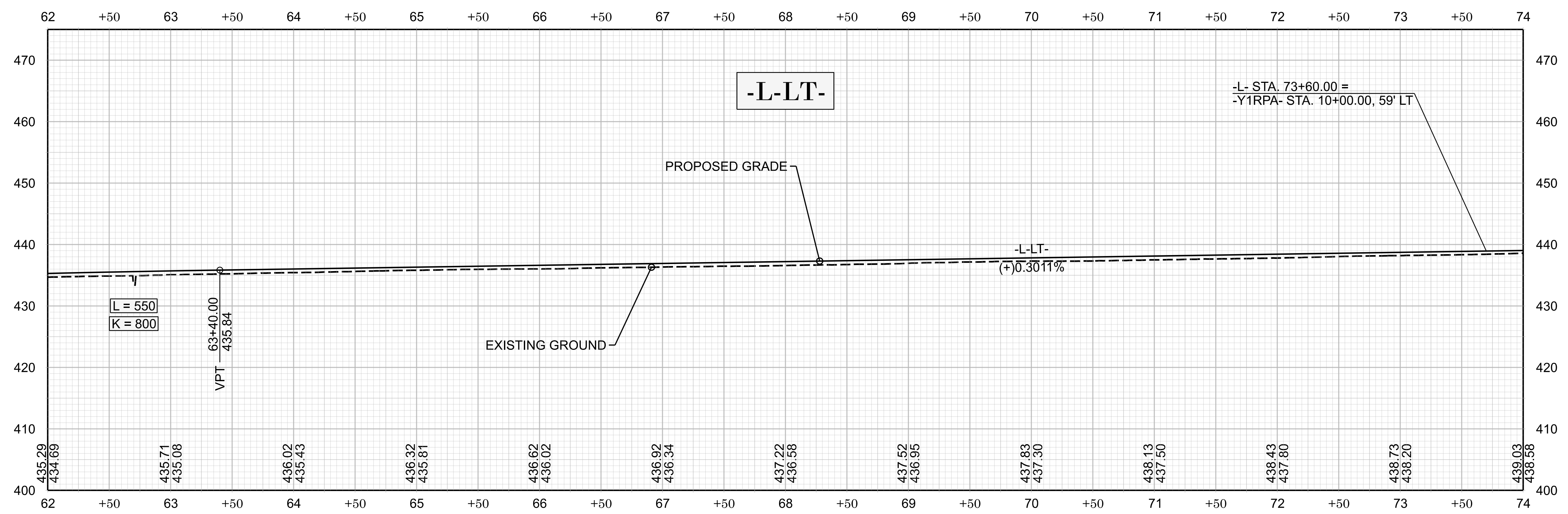
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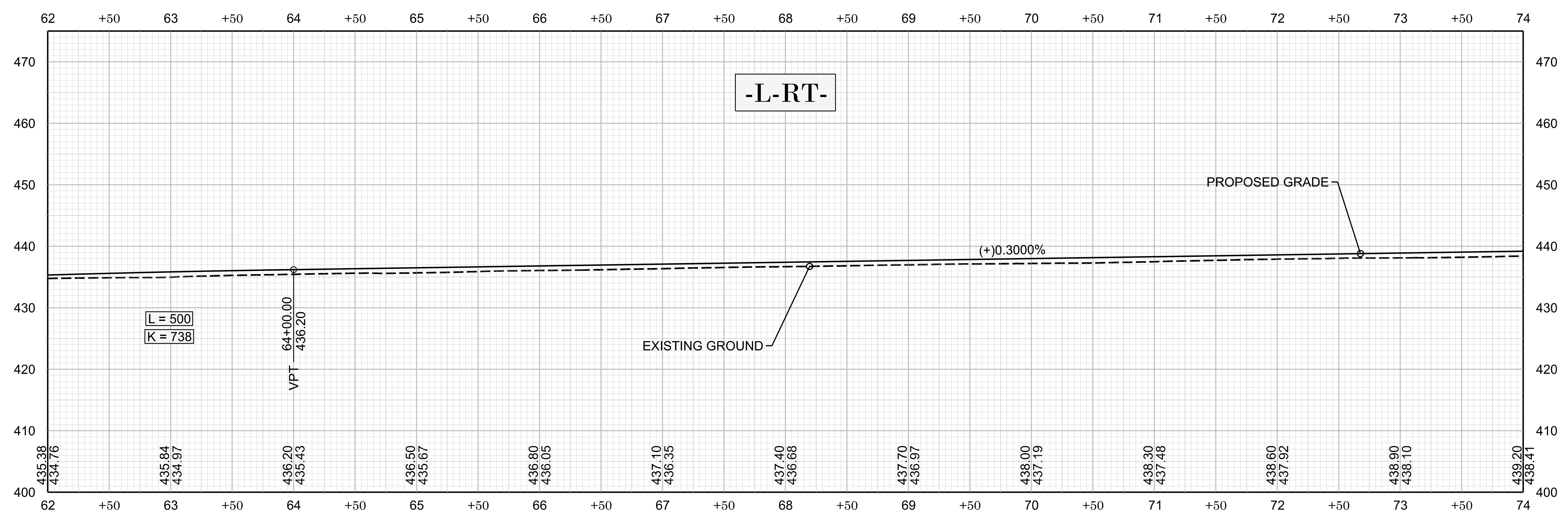
SEE SHEET 6 FOR -L- PLAN VIEW



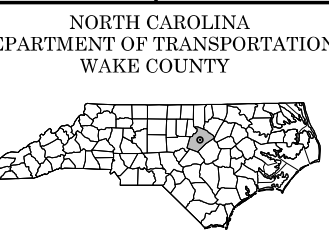
SEE SHEET 6 FOR -L- PLAN VIEW



SEE SHEET 6 FOR -L- PLAN VIEW



SEE SHEET 6 FOR -L- PLAN VIEW



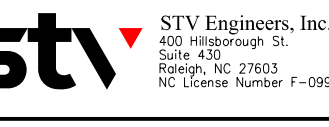
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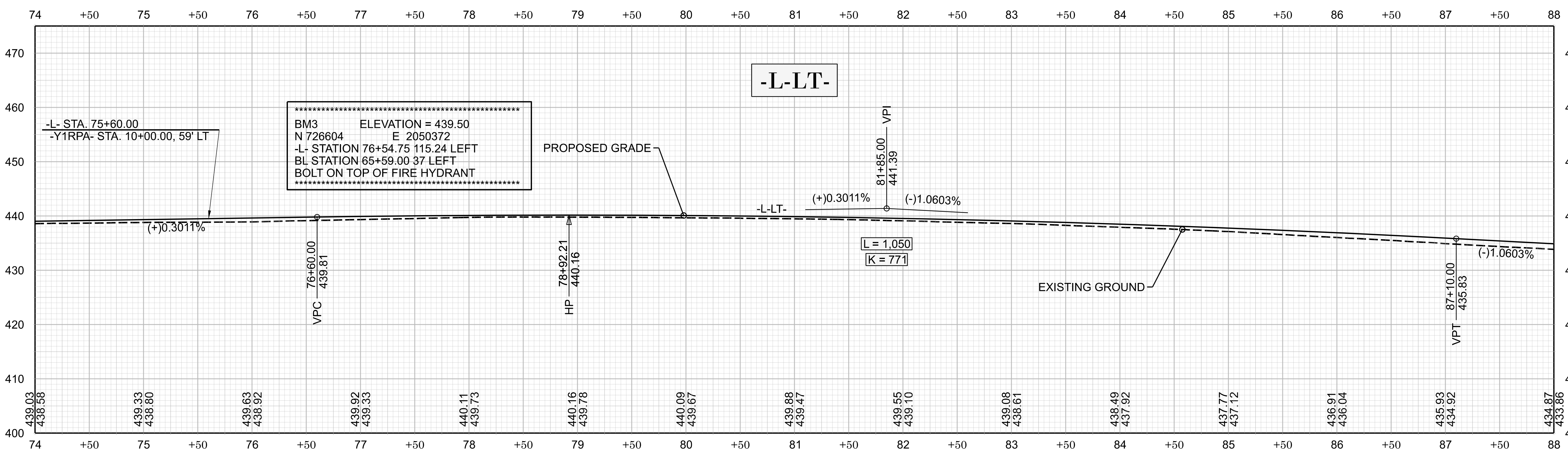


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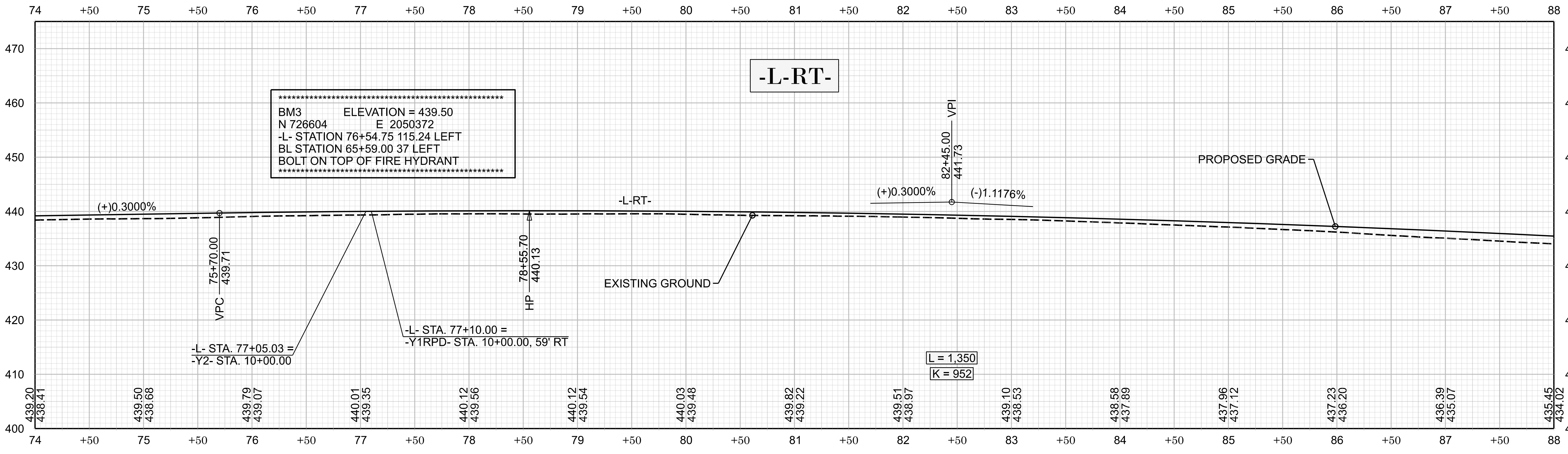
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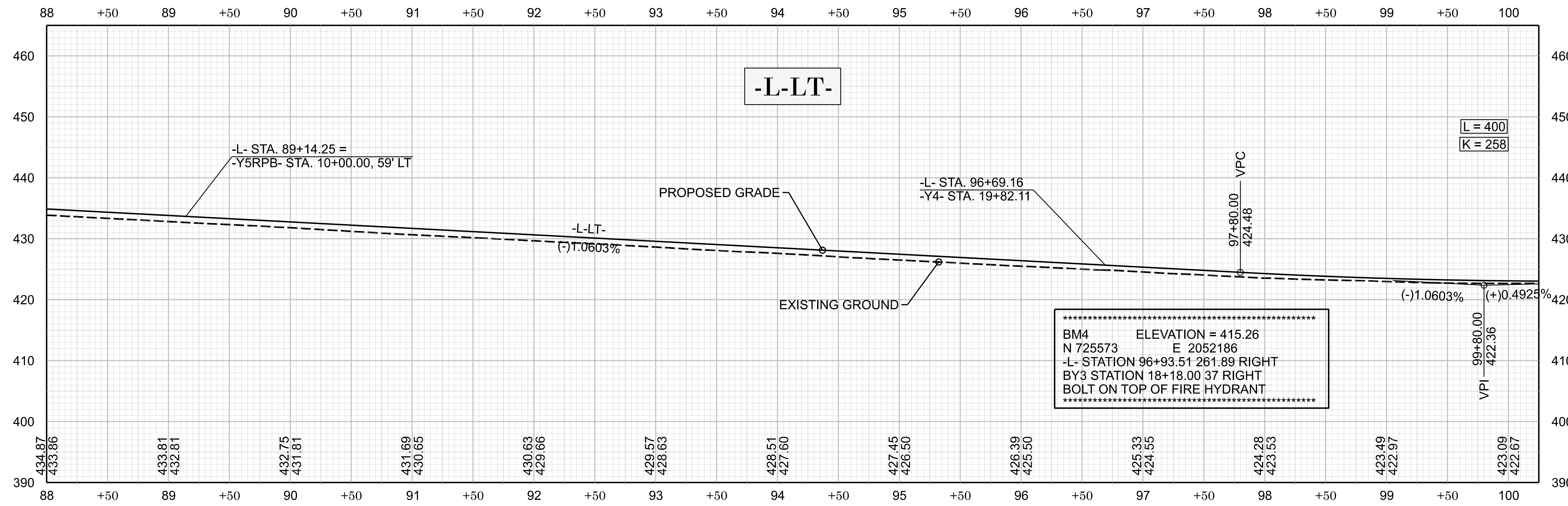
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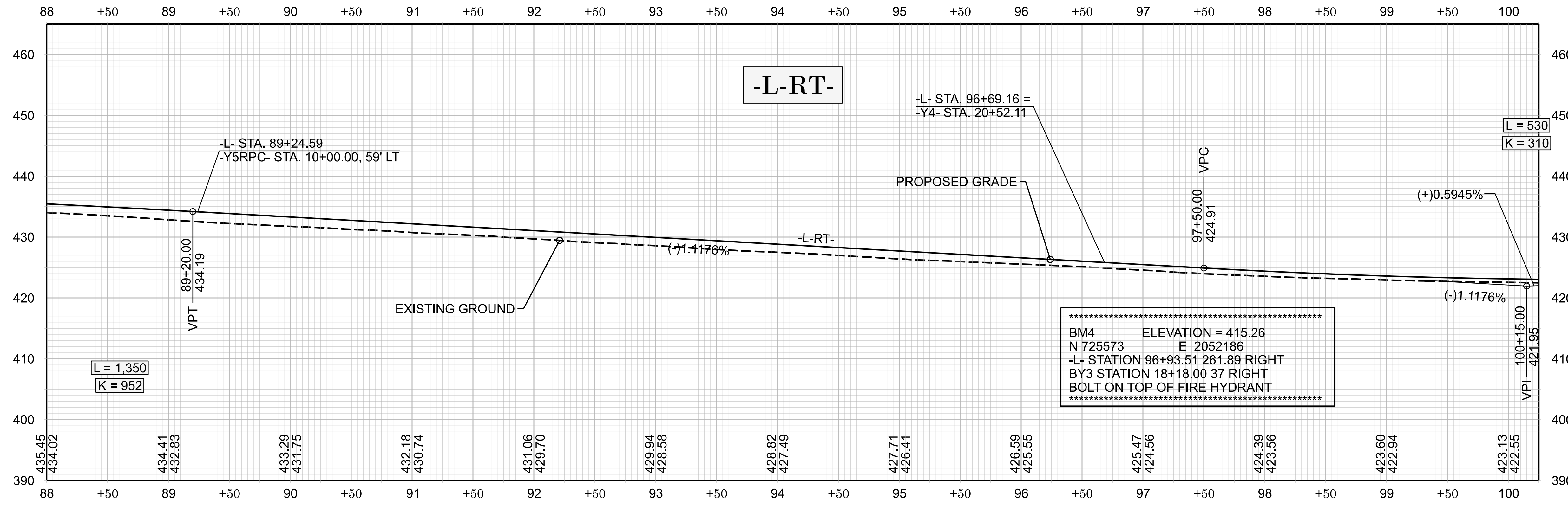
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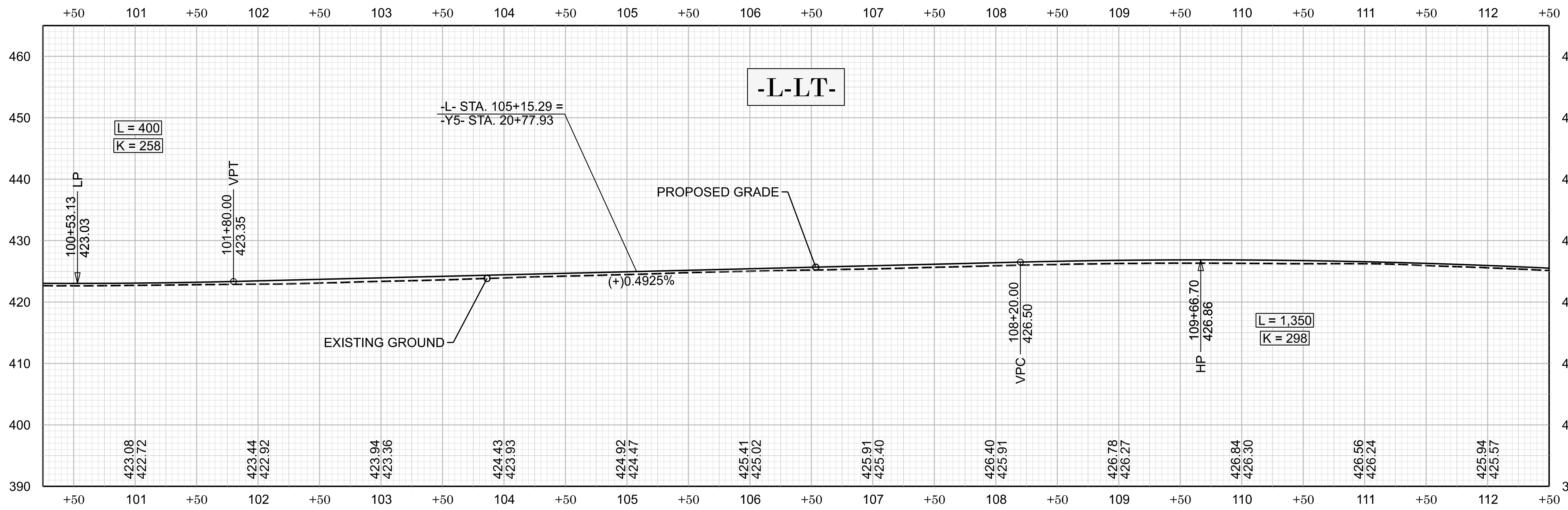
SEE SHEET 7 FOR -L- PLAN VIEW



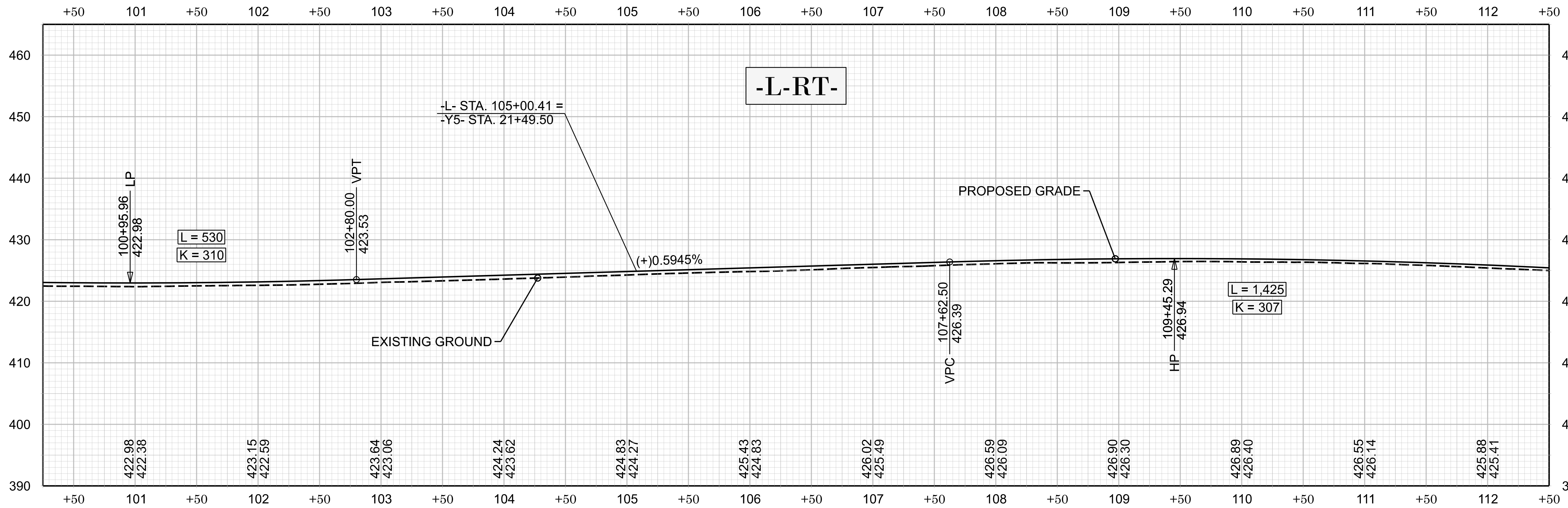
SEE SHEET 8 FOR -L- PLAN VIEW



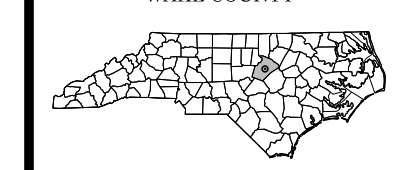
SEE SHEET 8 FOR -L- PLAN VIEW



SEE SHEET 8 FOR -L- PLAN VIEW



SEE SHEET 8 FOR -L- PLAN VIEW



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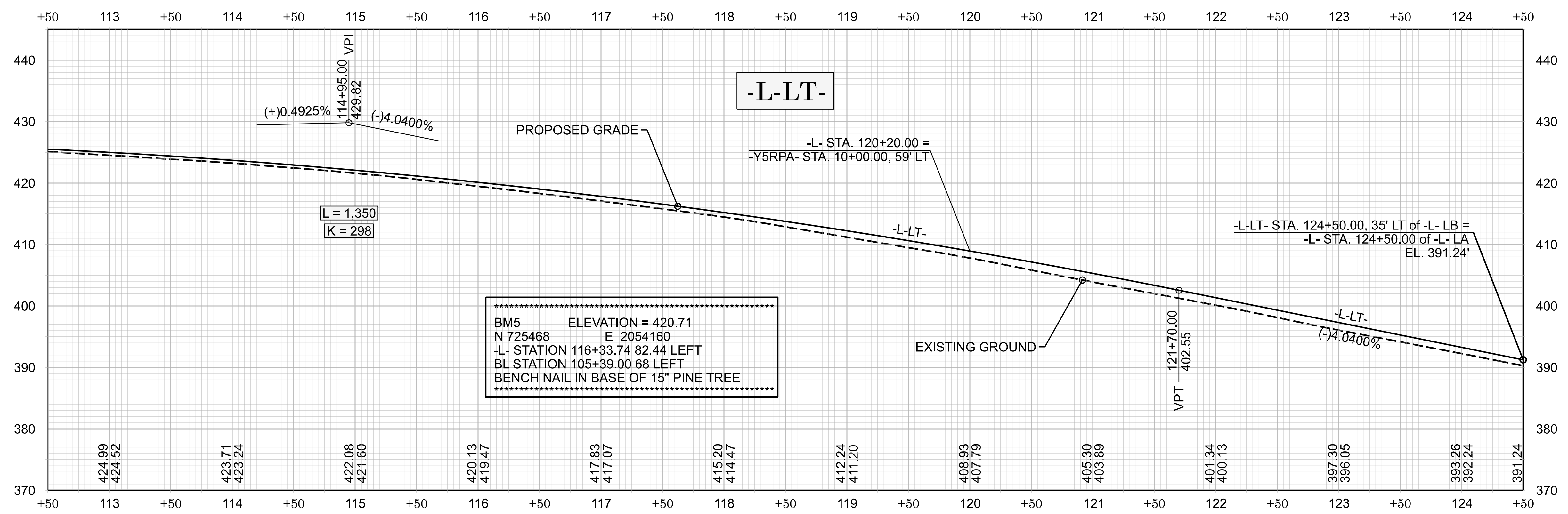


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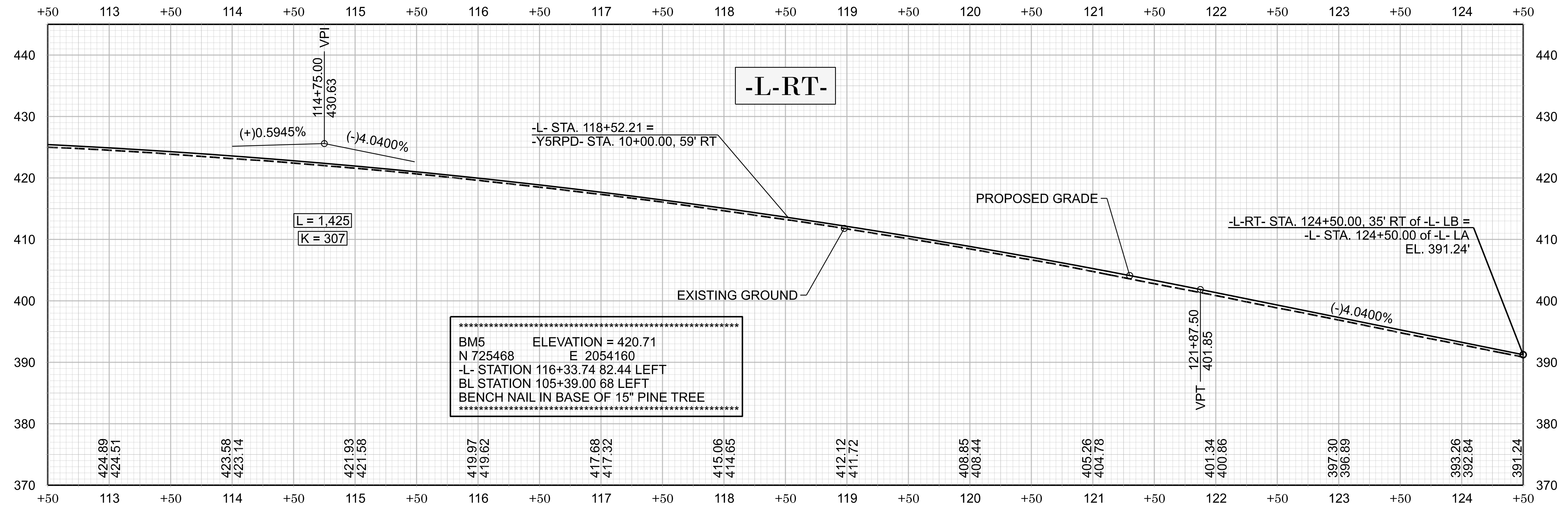
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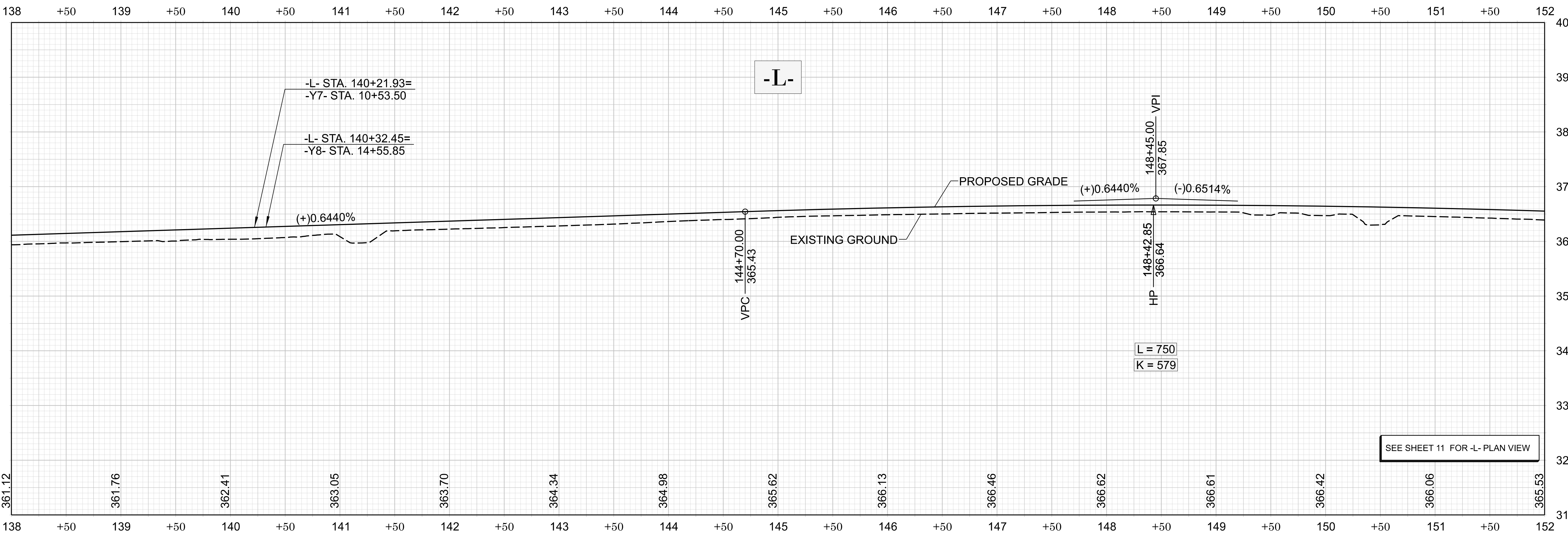
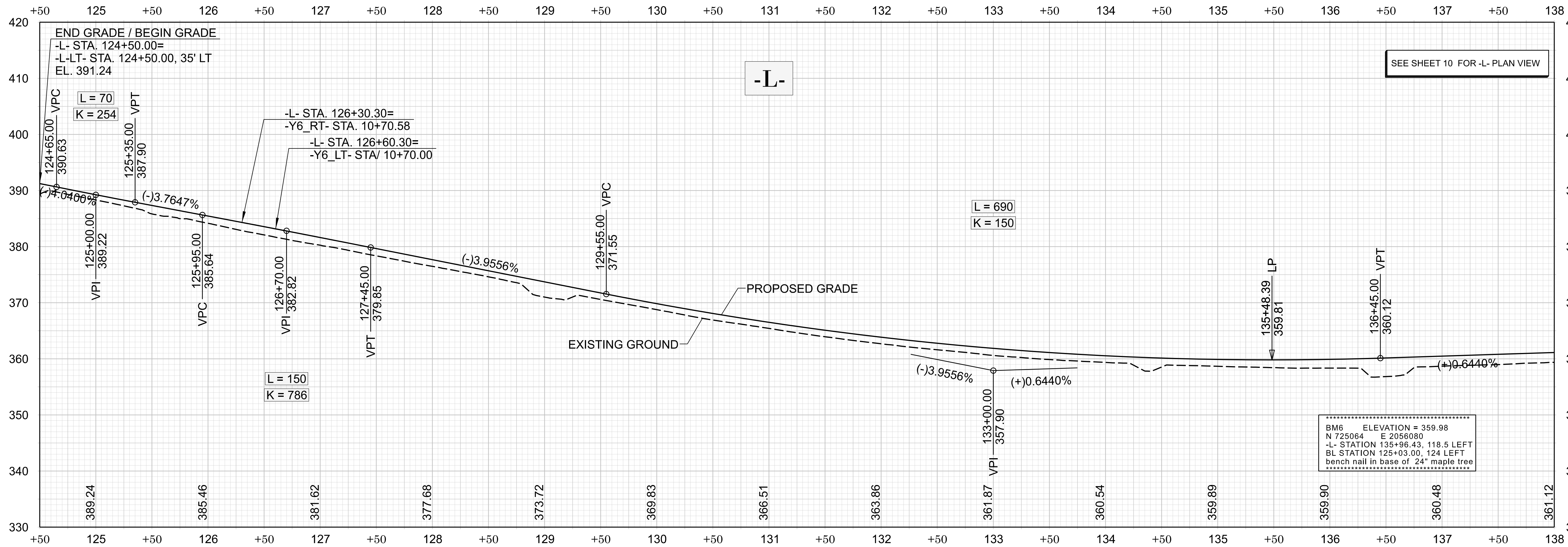
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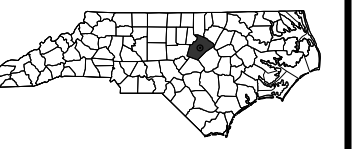
SEE SHEET 9 FOR -L- PLAN VIEW



SEE SHEET 9 FOR -L- PLAN VIEW



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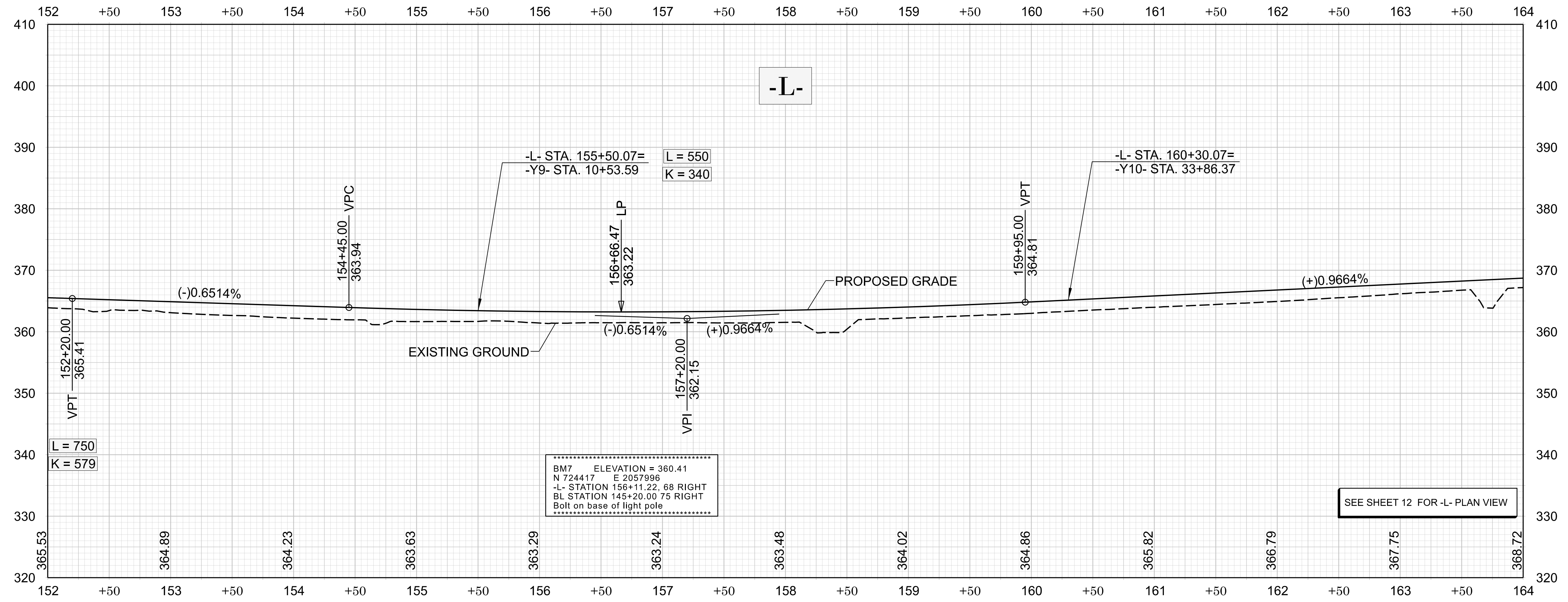


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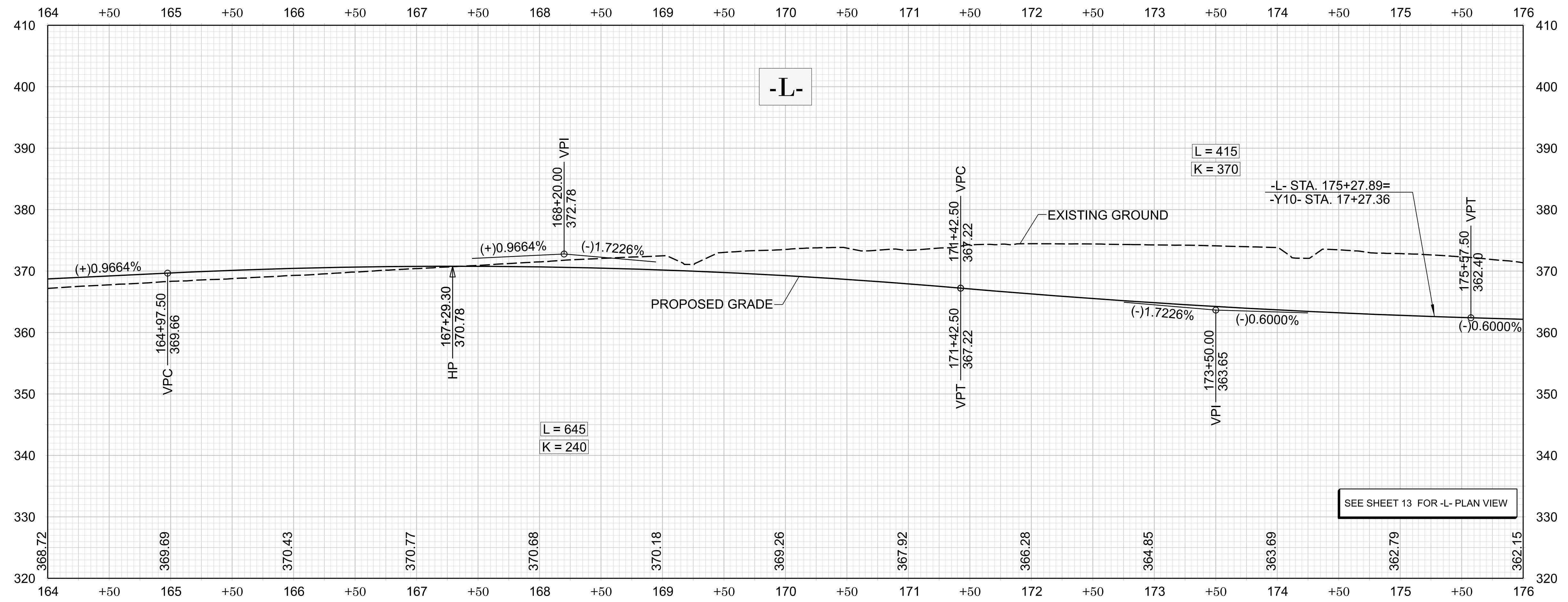
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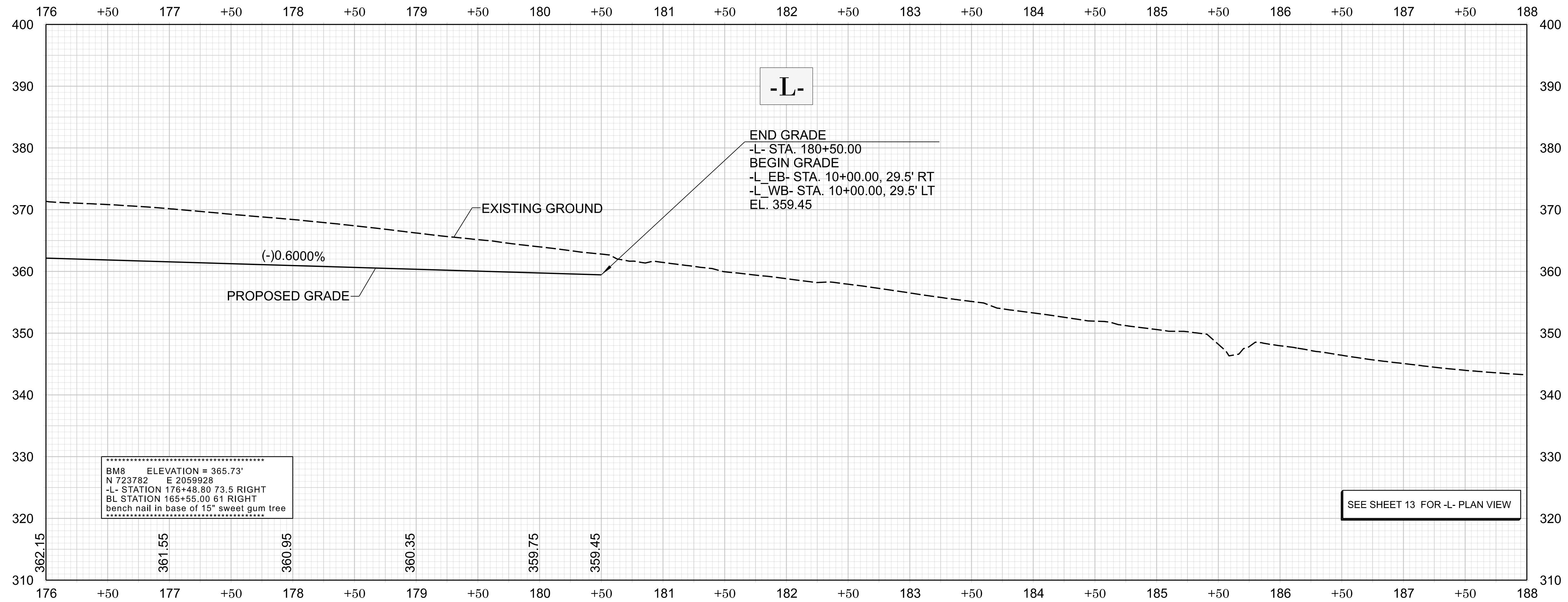
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REVISIONS



BM7 ELEVATION = 360.41
N 724417 E 2057996
L STATION 156+11.22, 68 RIGHT
BL STATION 145+20.00 75 RIGHT
Bolt on base of light pole





U-5301
 DRPS 033
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 DEPARTMENT OF TRANSPORTATION
 WAKE COUNTY

ROADWAY DESIGN UNIT
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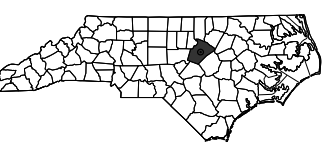
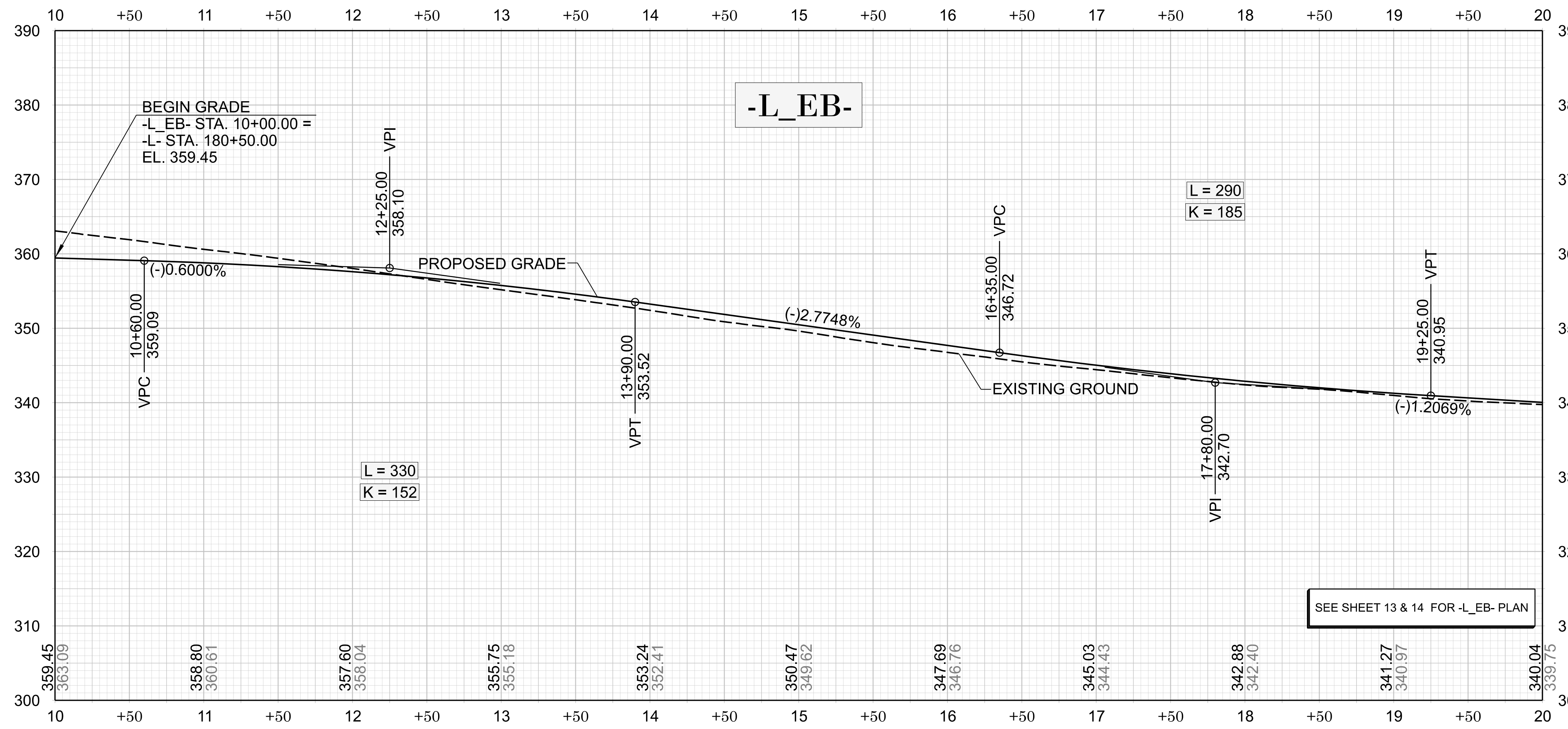
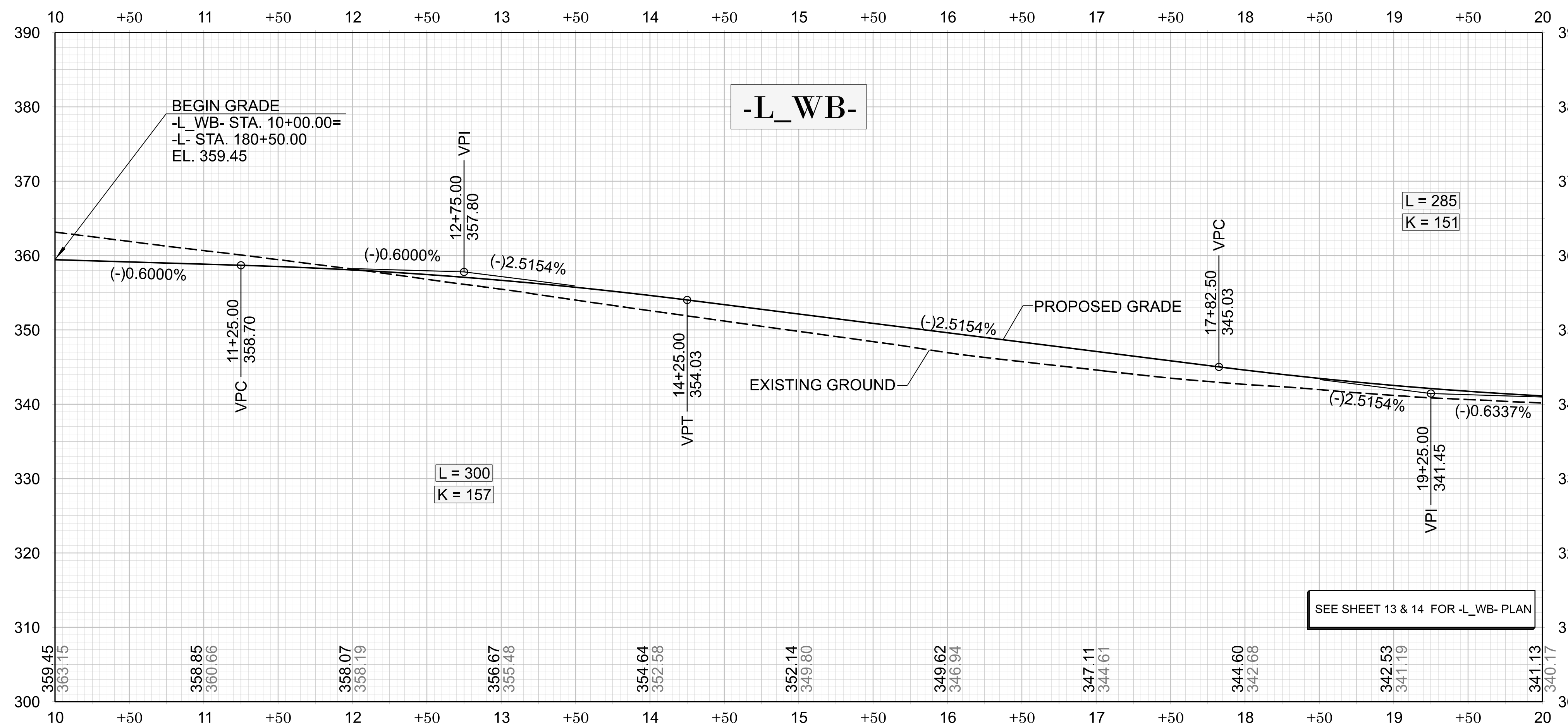
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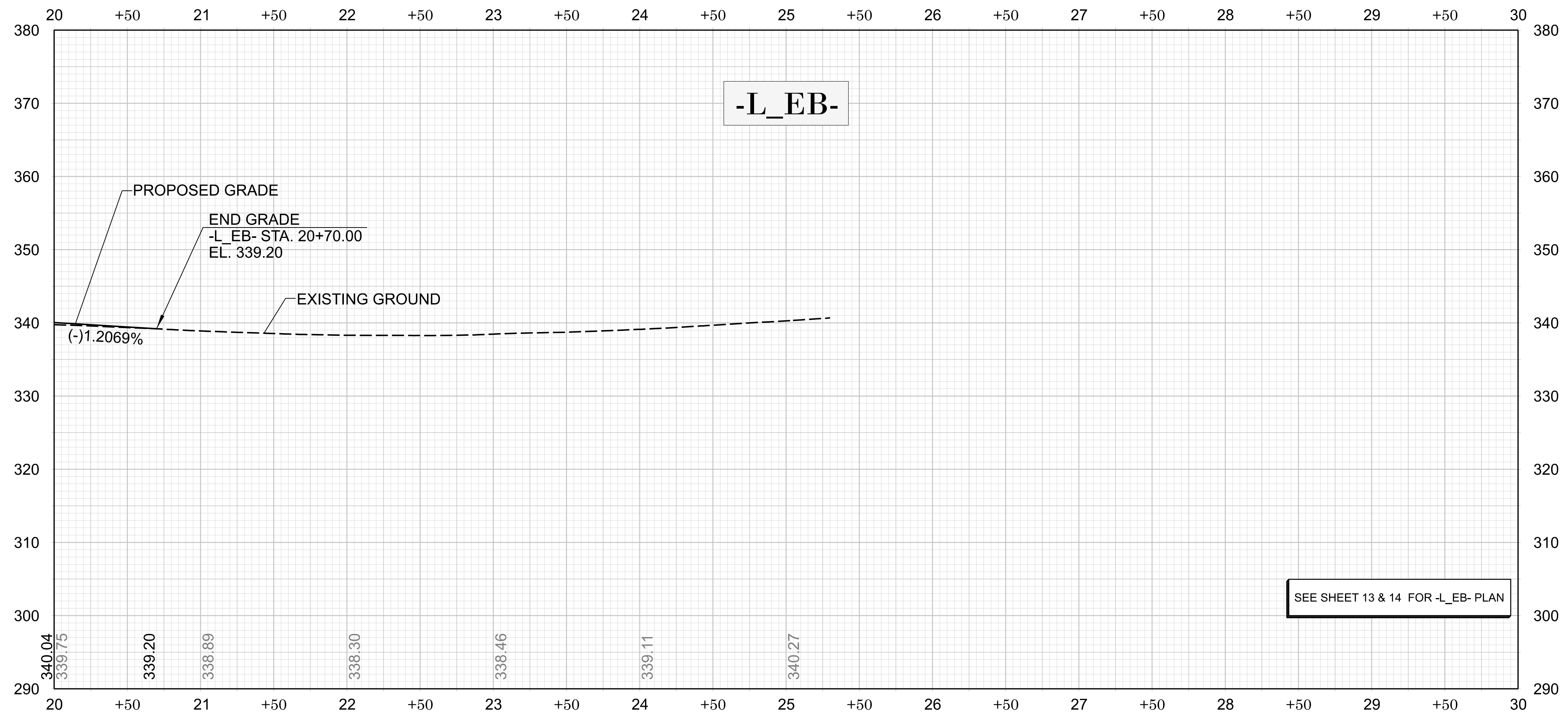
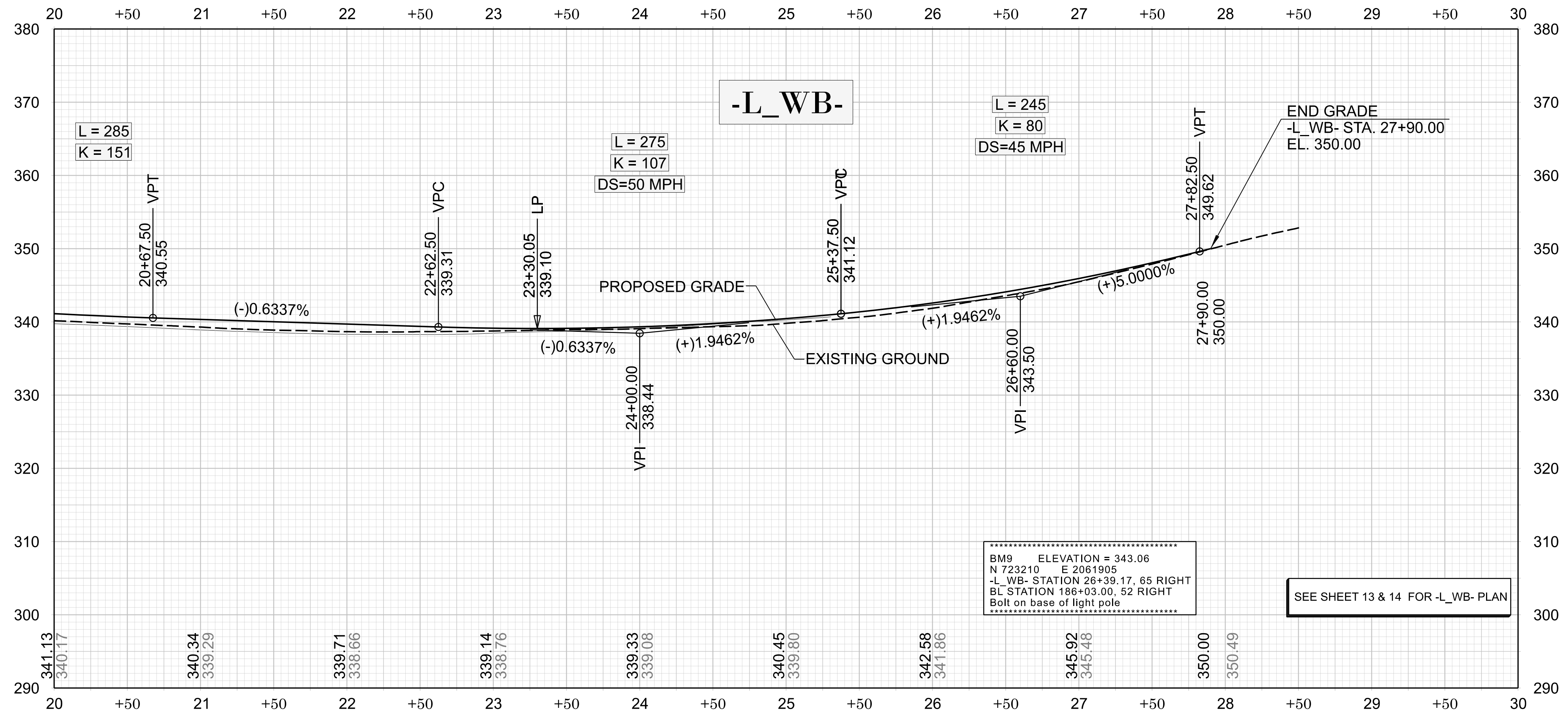


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DRPS 035

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WAKE COUNTY

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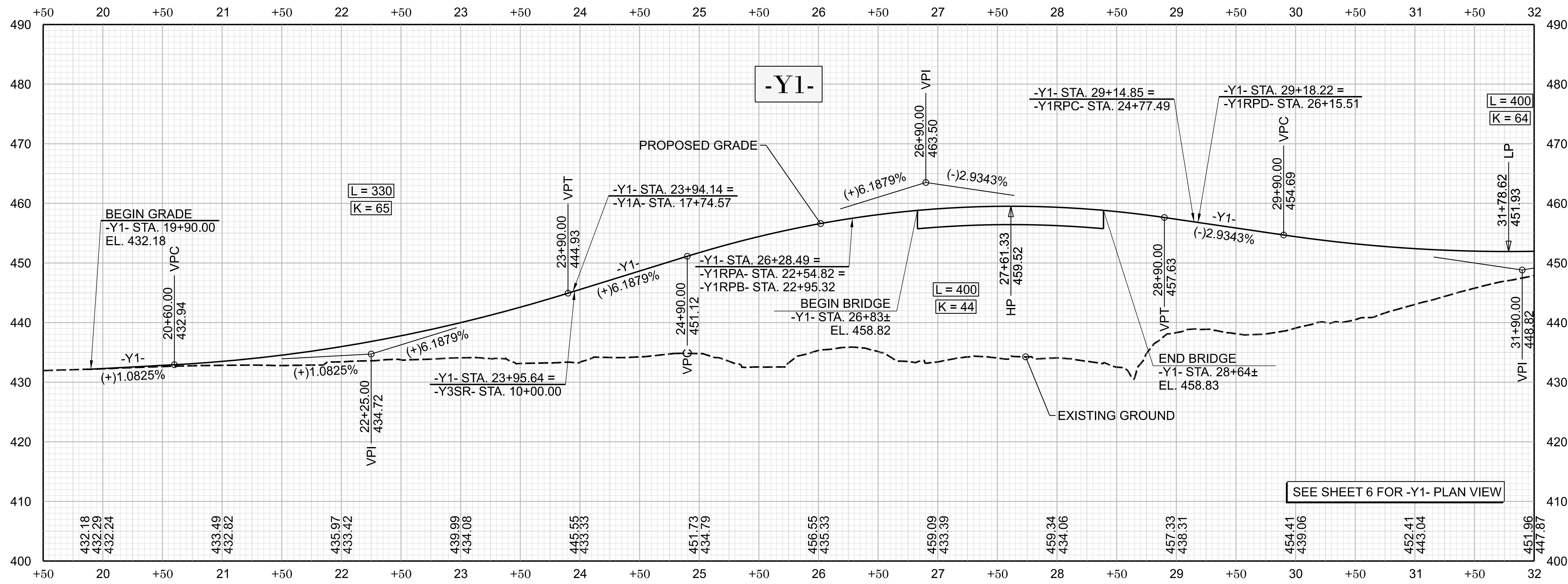
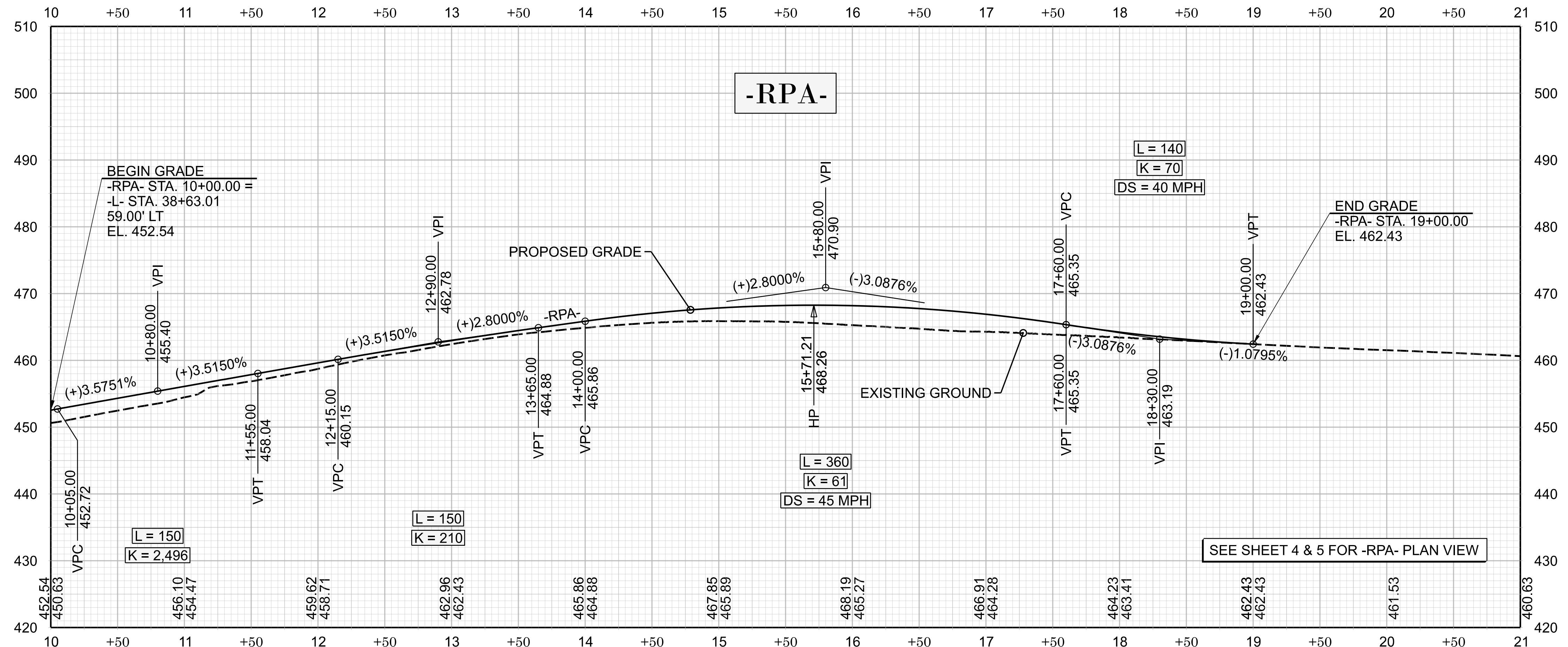
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WAKE COUNTY

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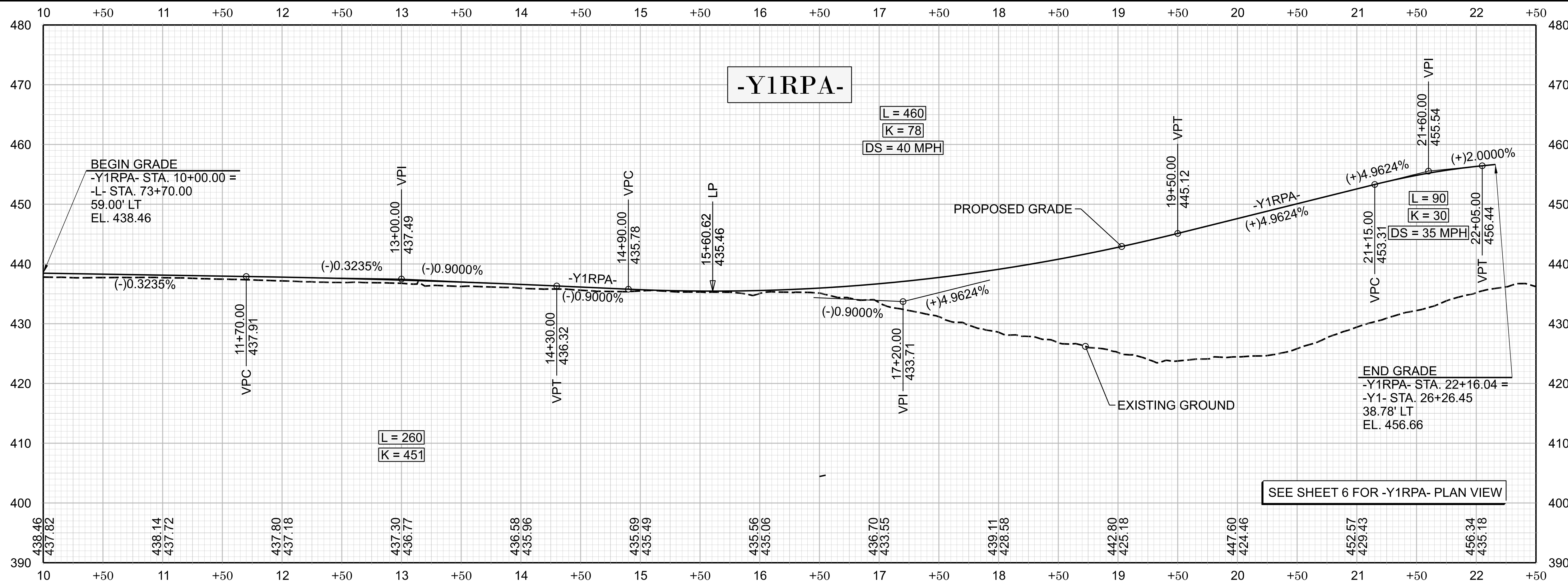
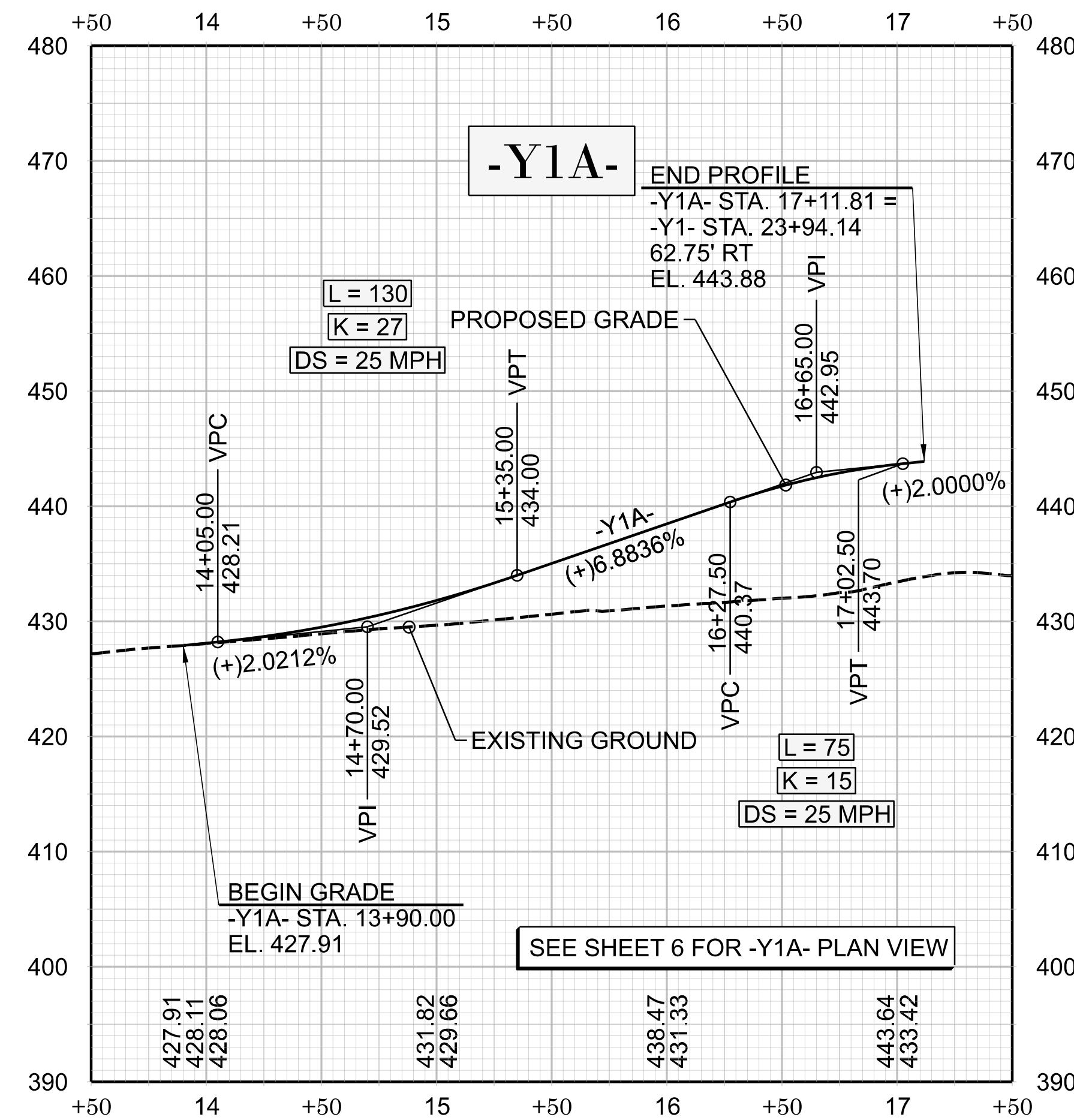
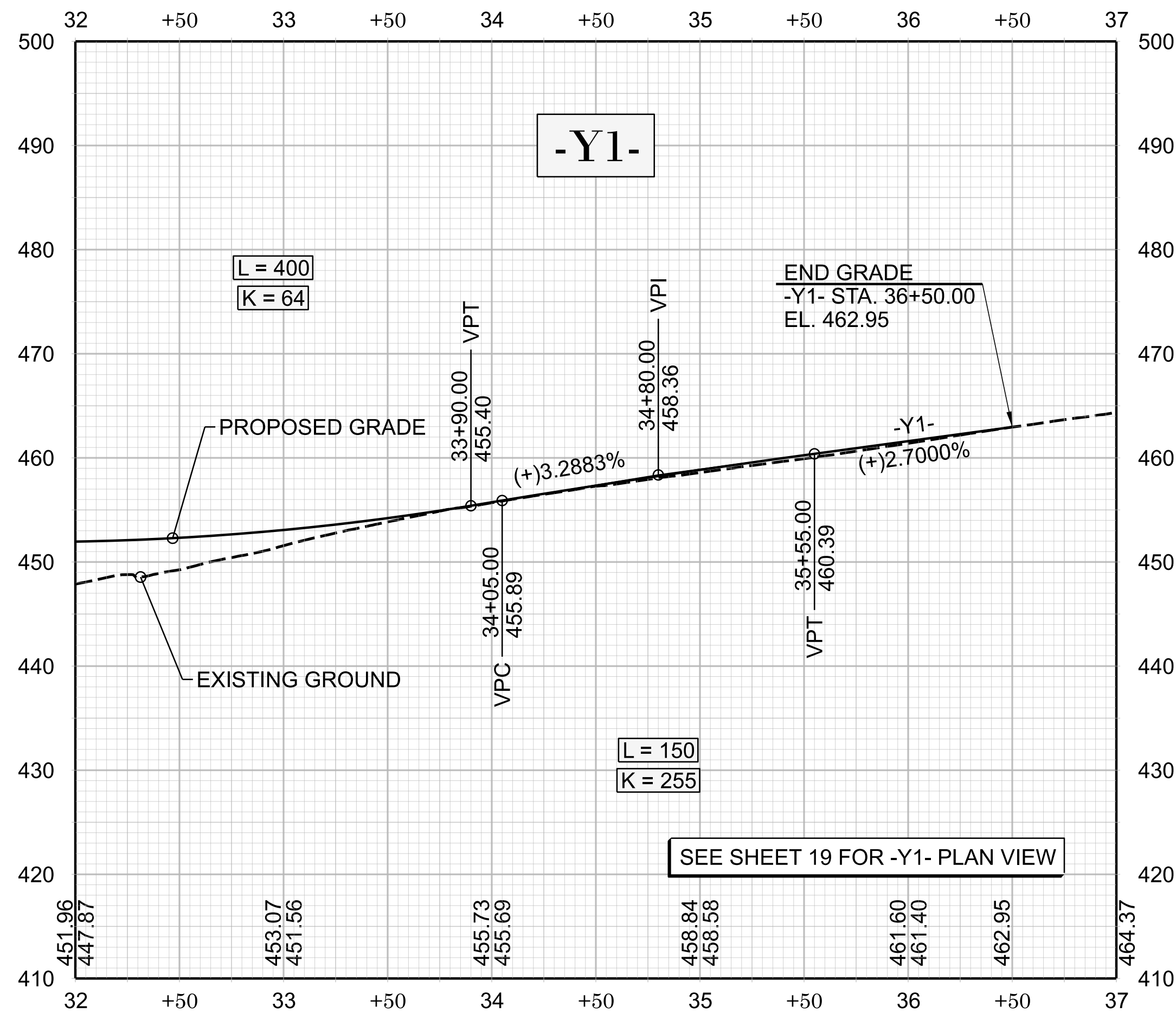
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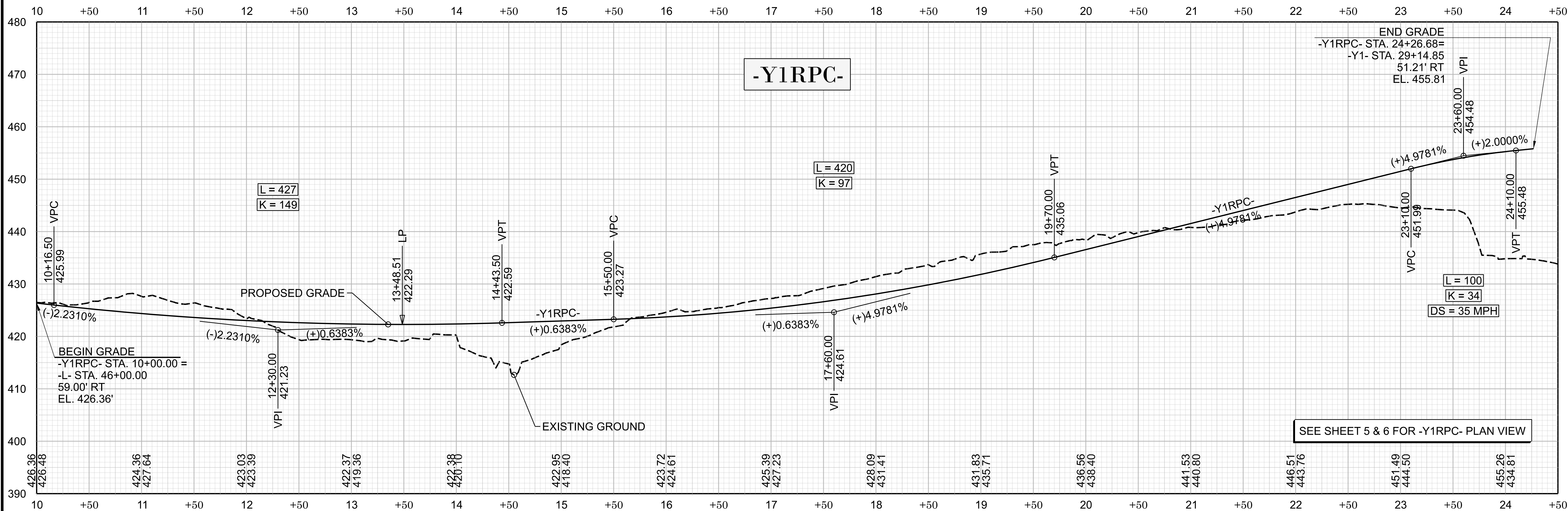
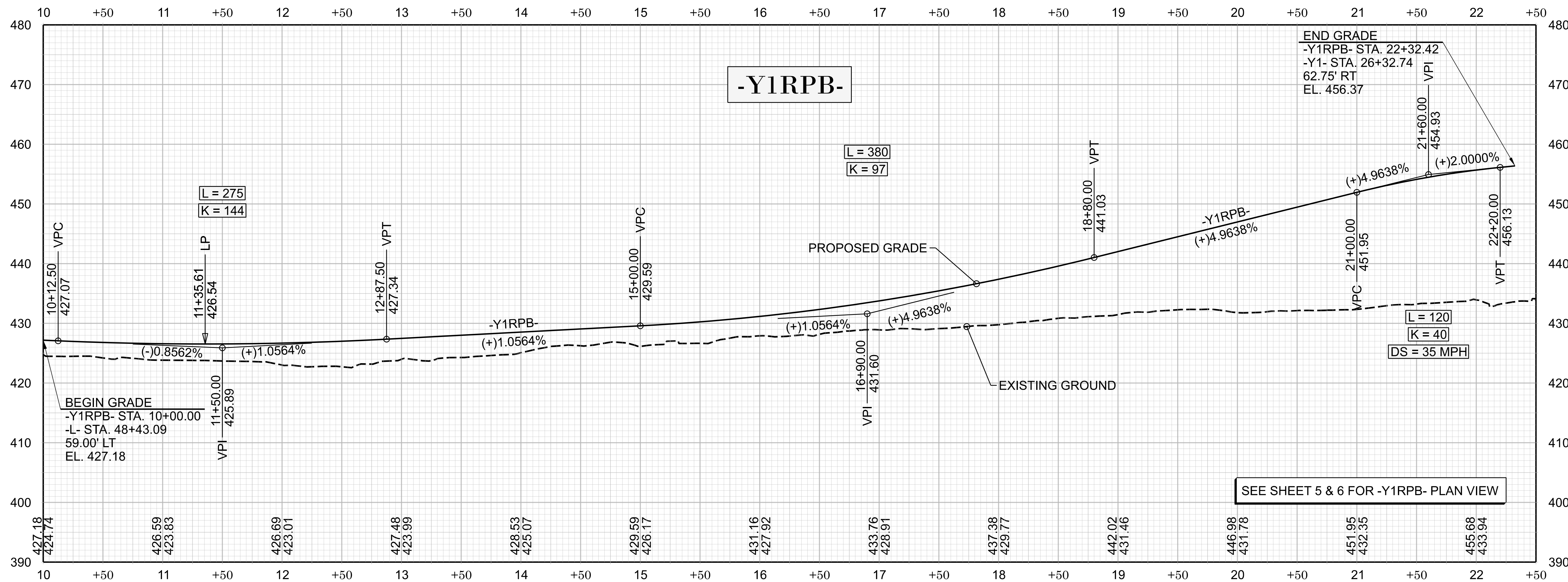
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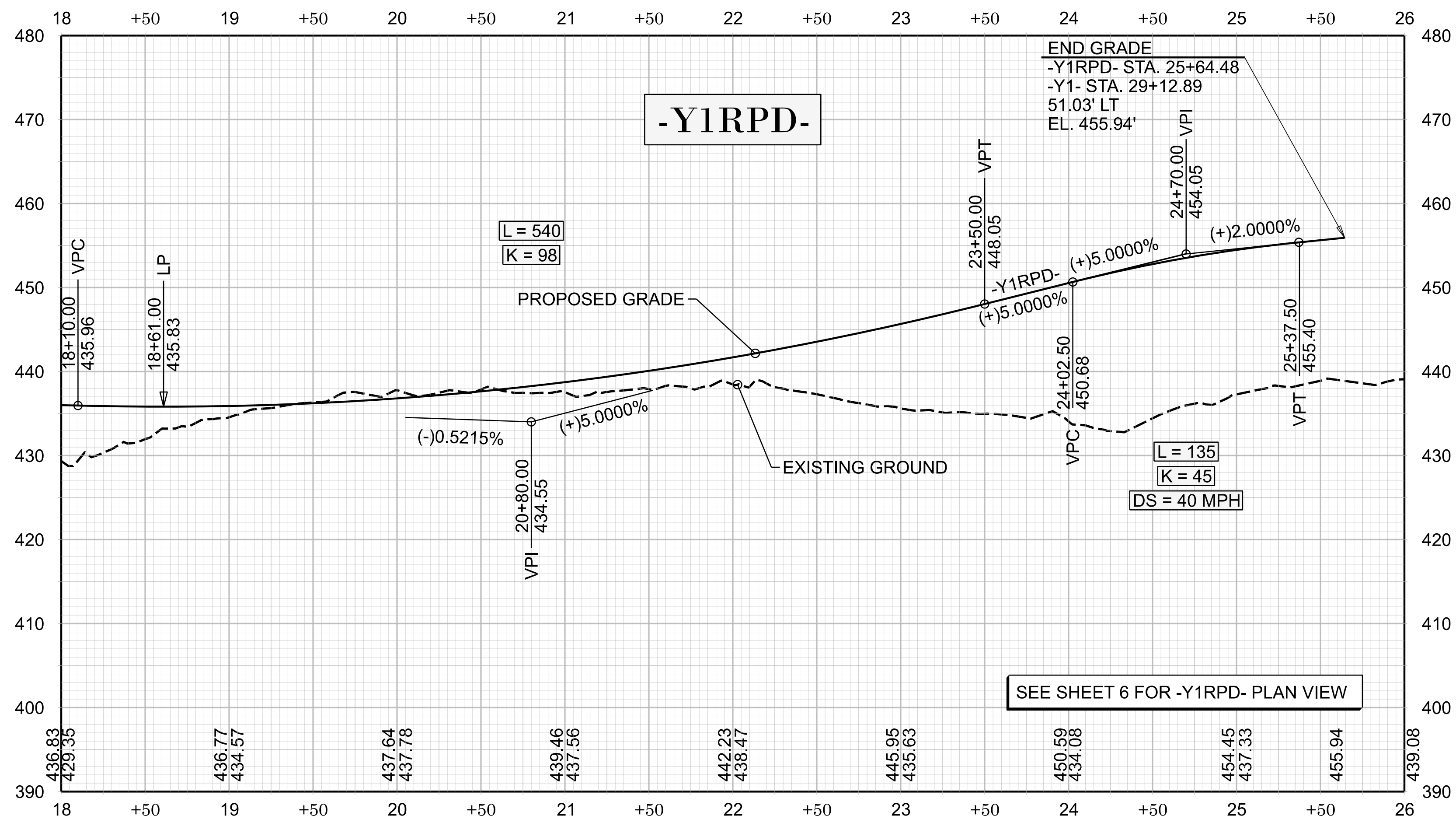
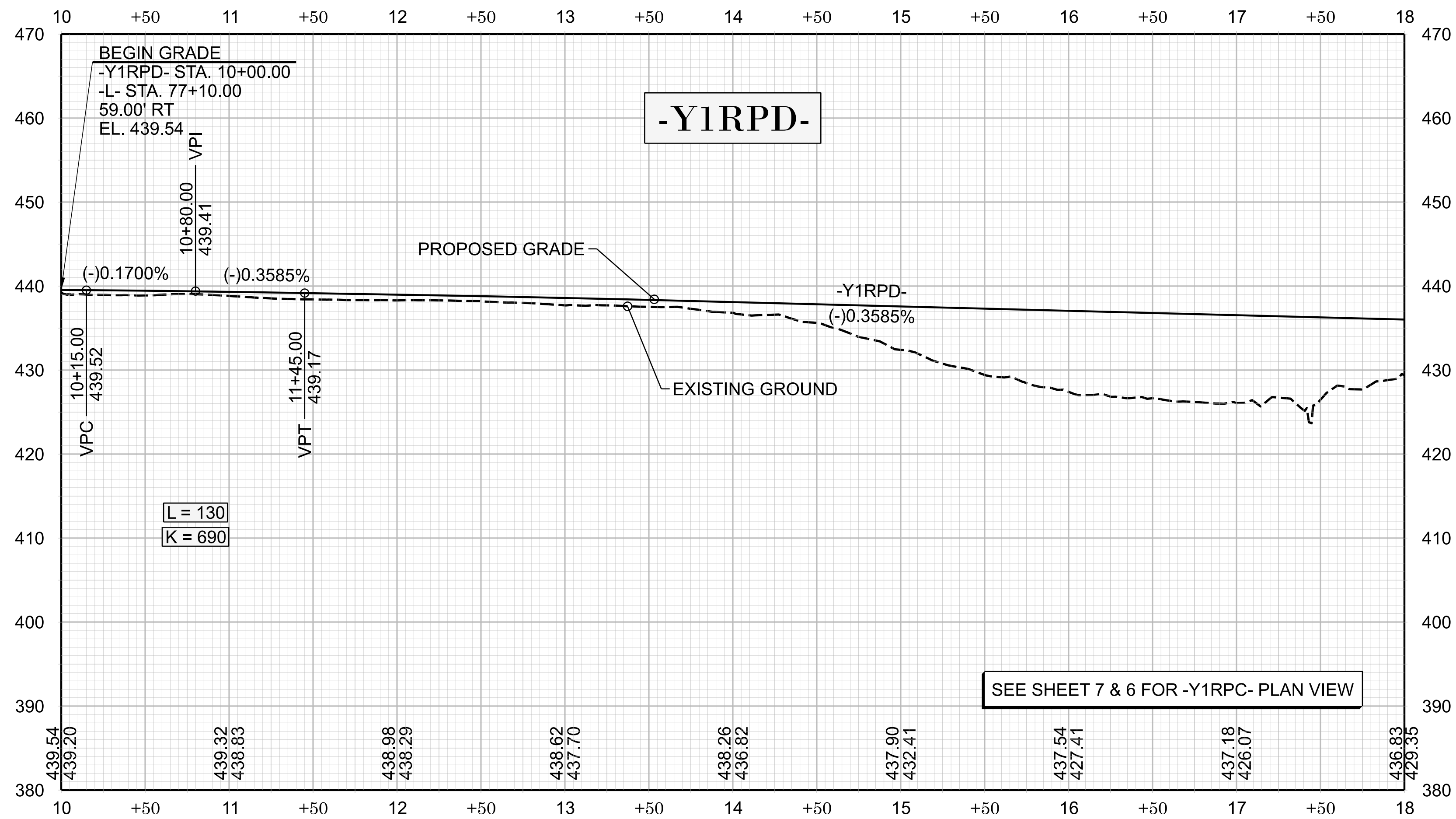
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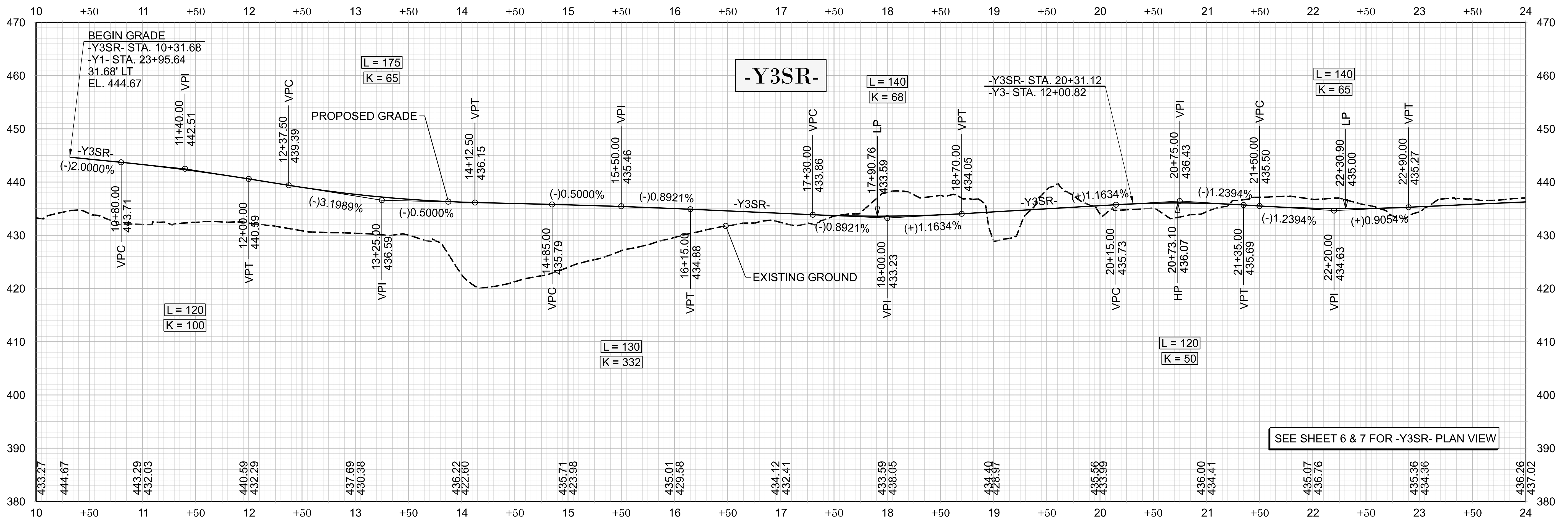
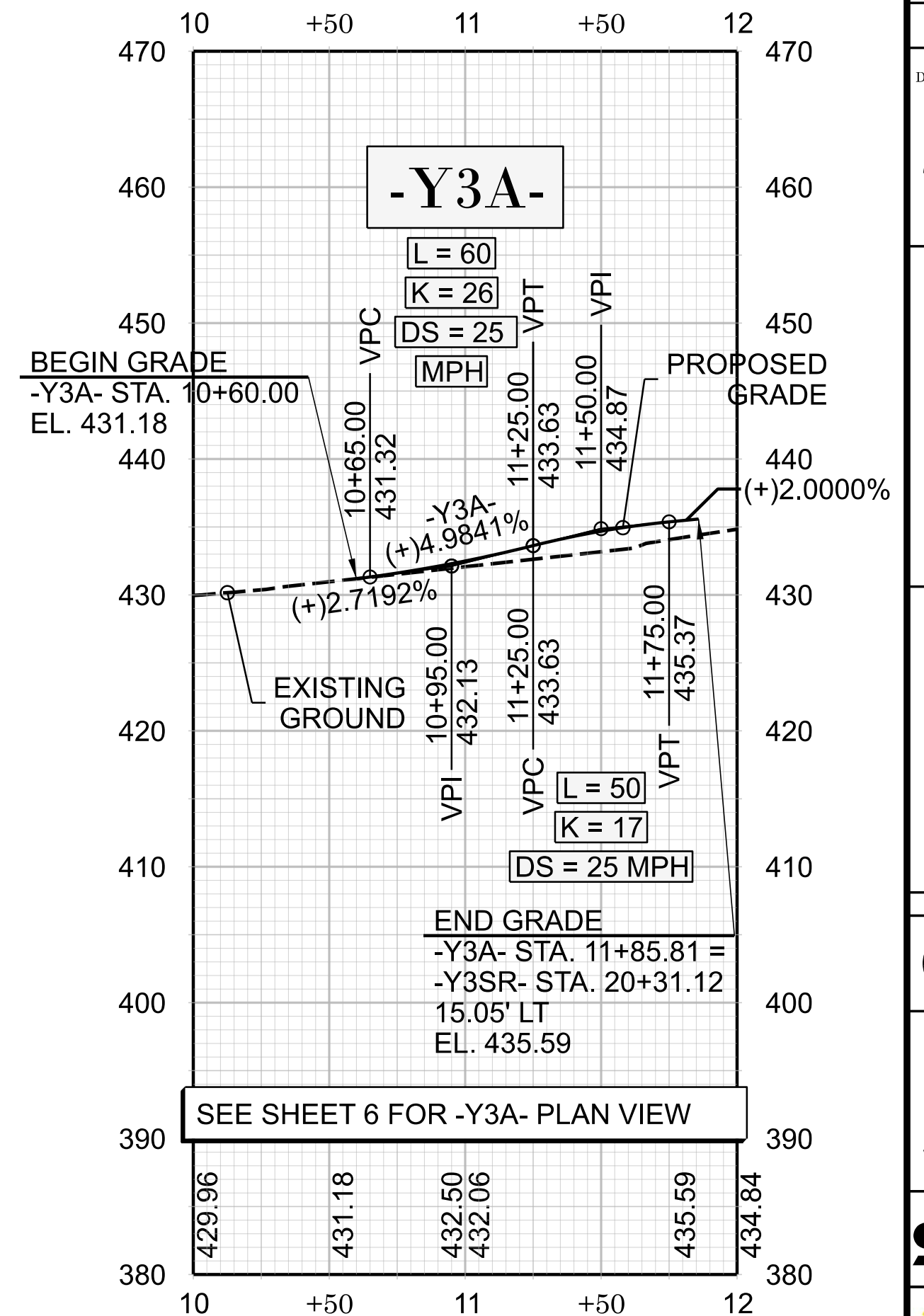
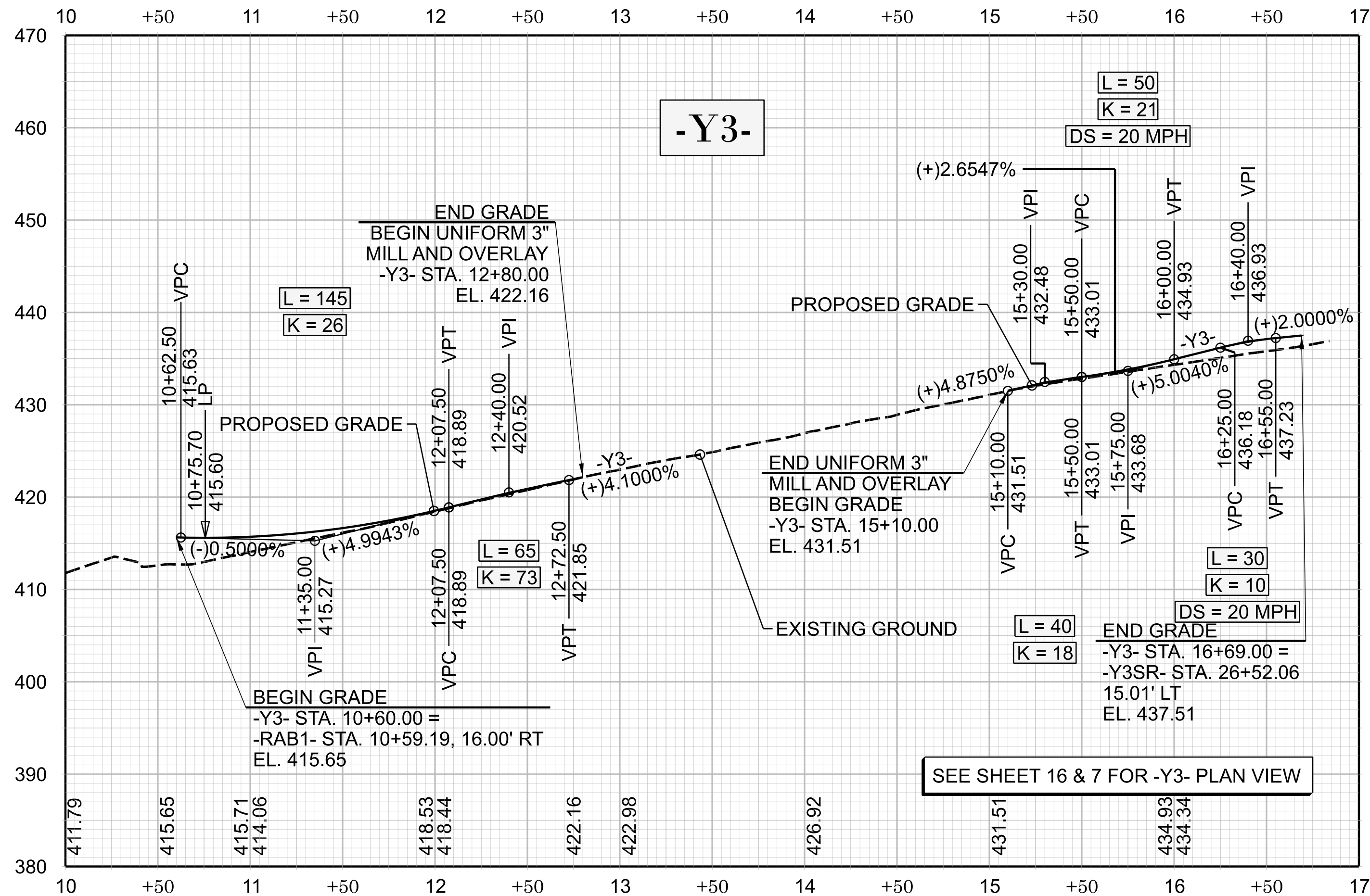
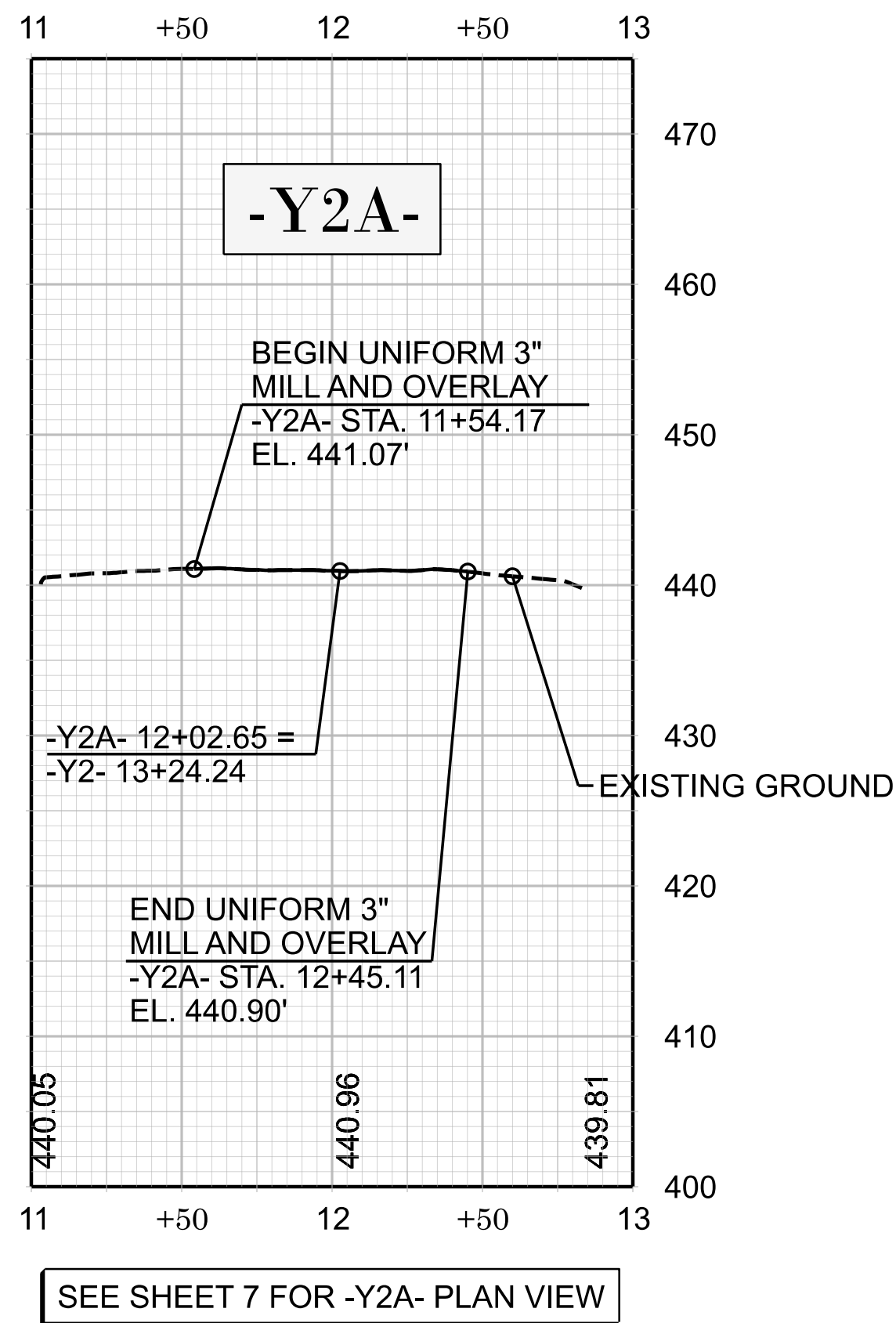
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DRPS 040

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WARE COUNTY

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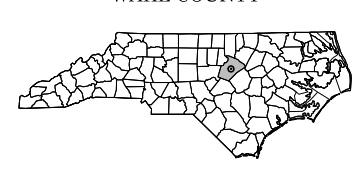
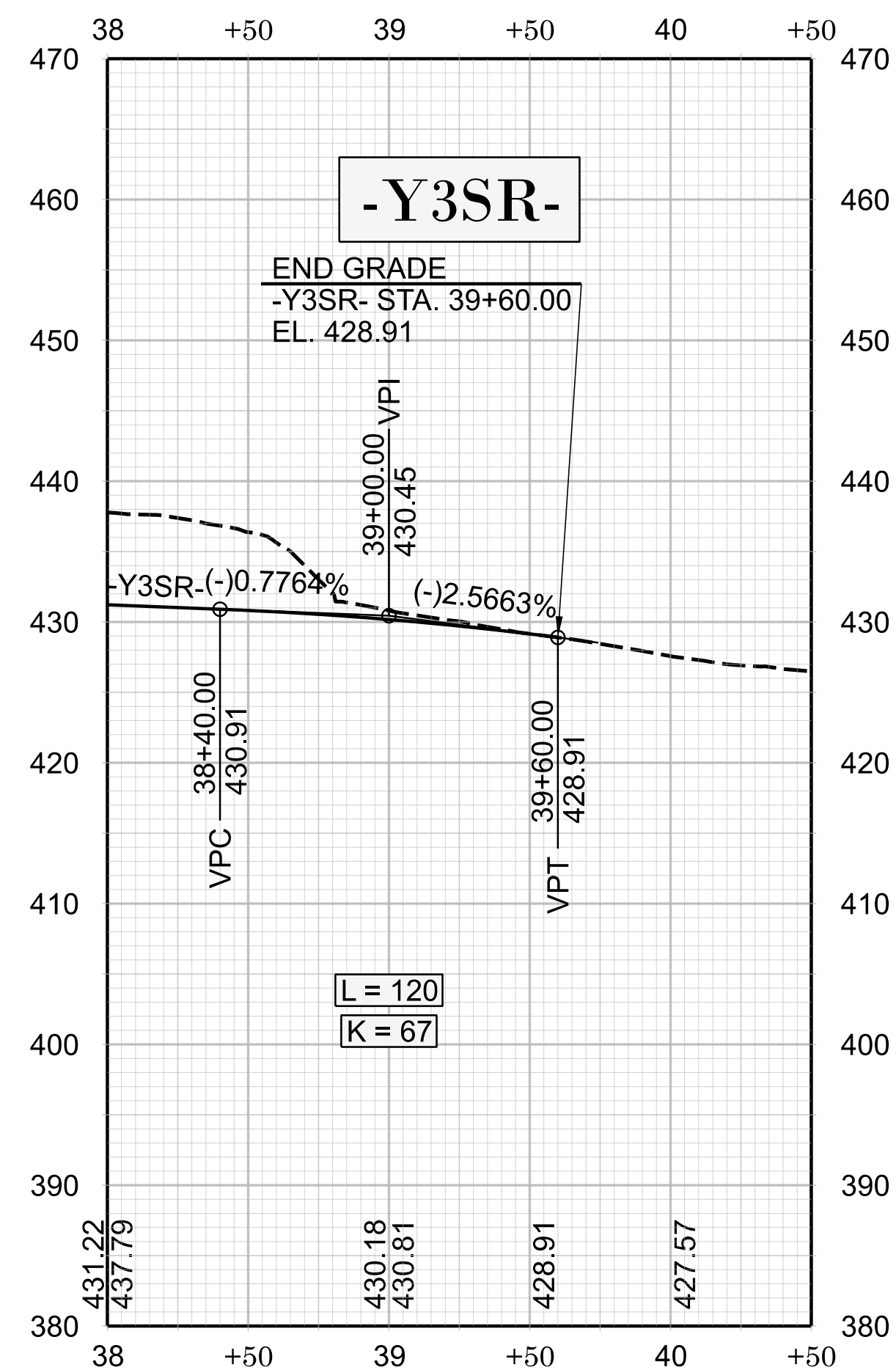
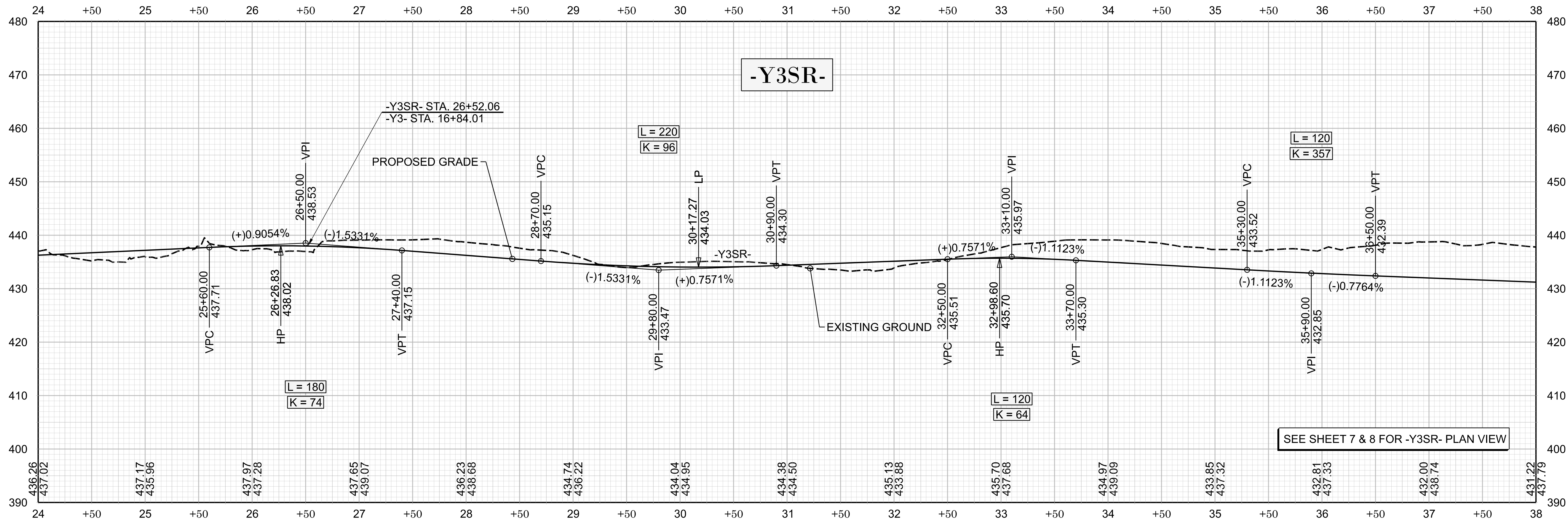
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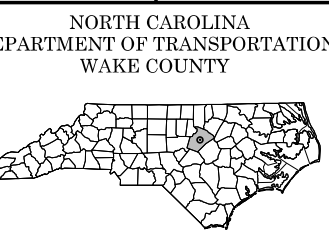
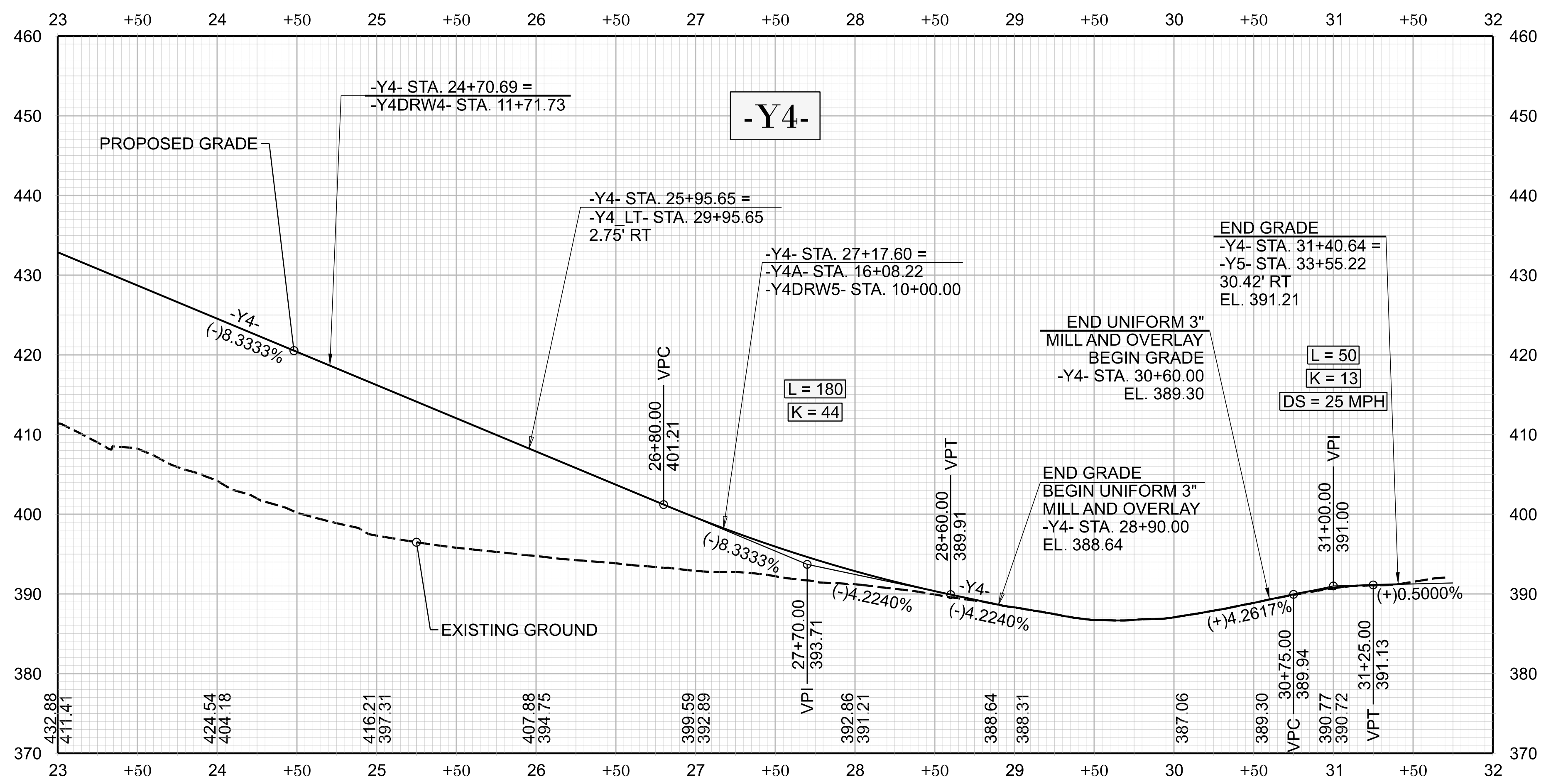
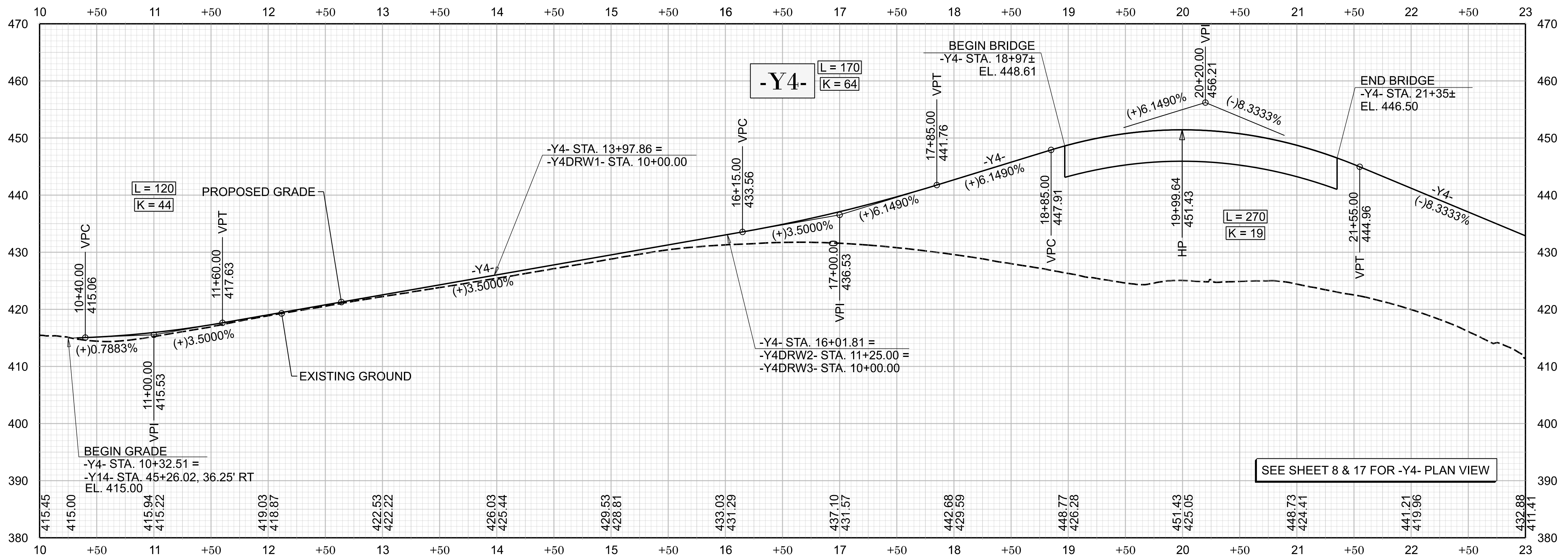


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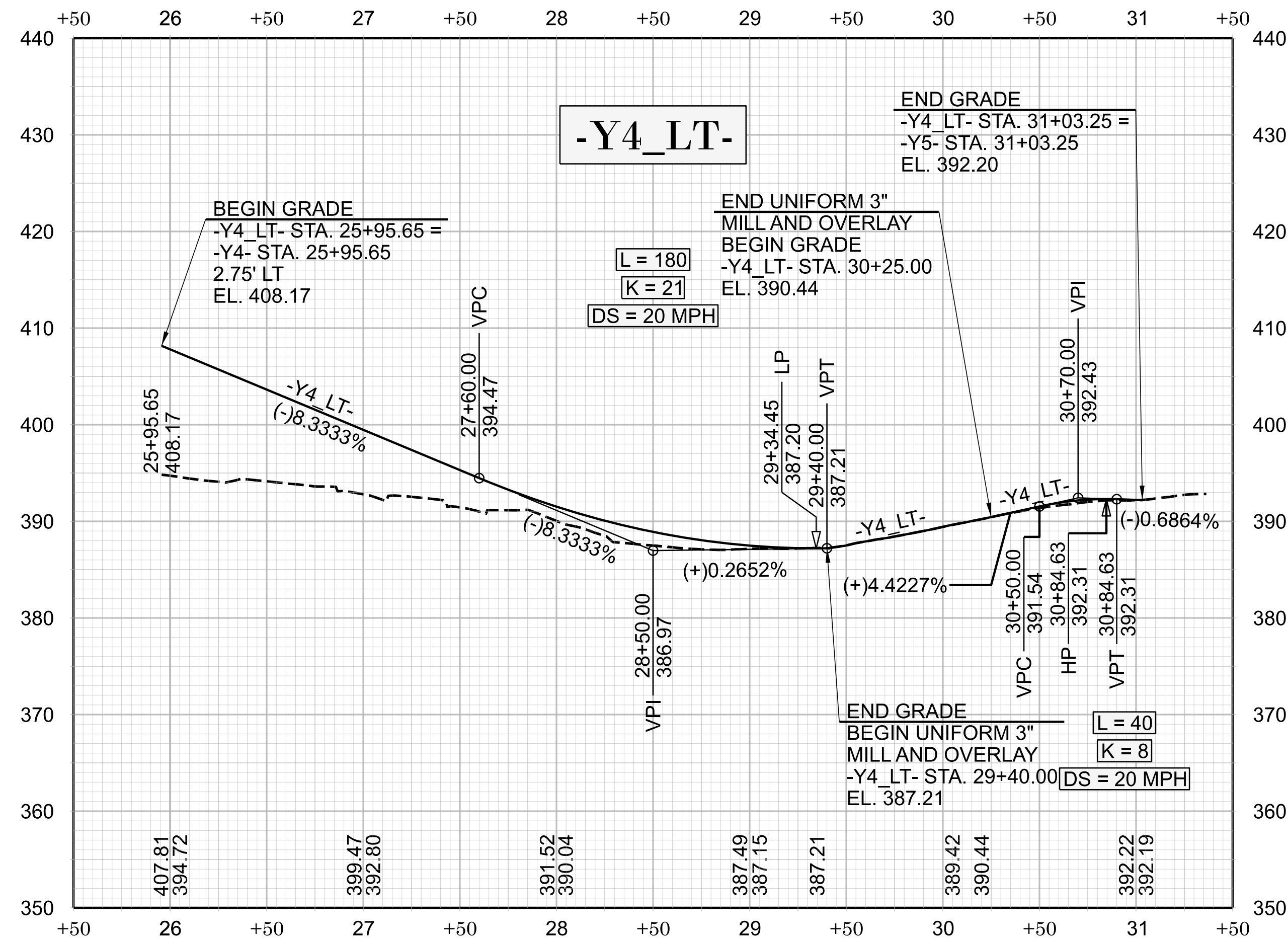
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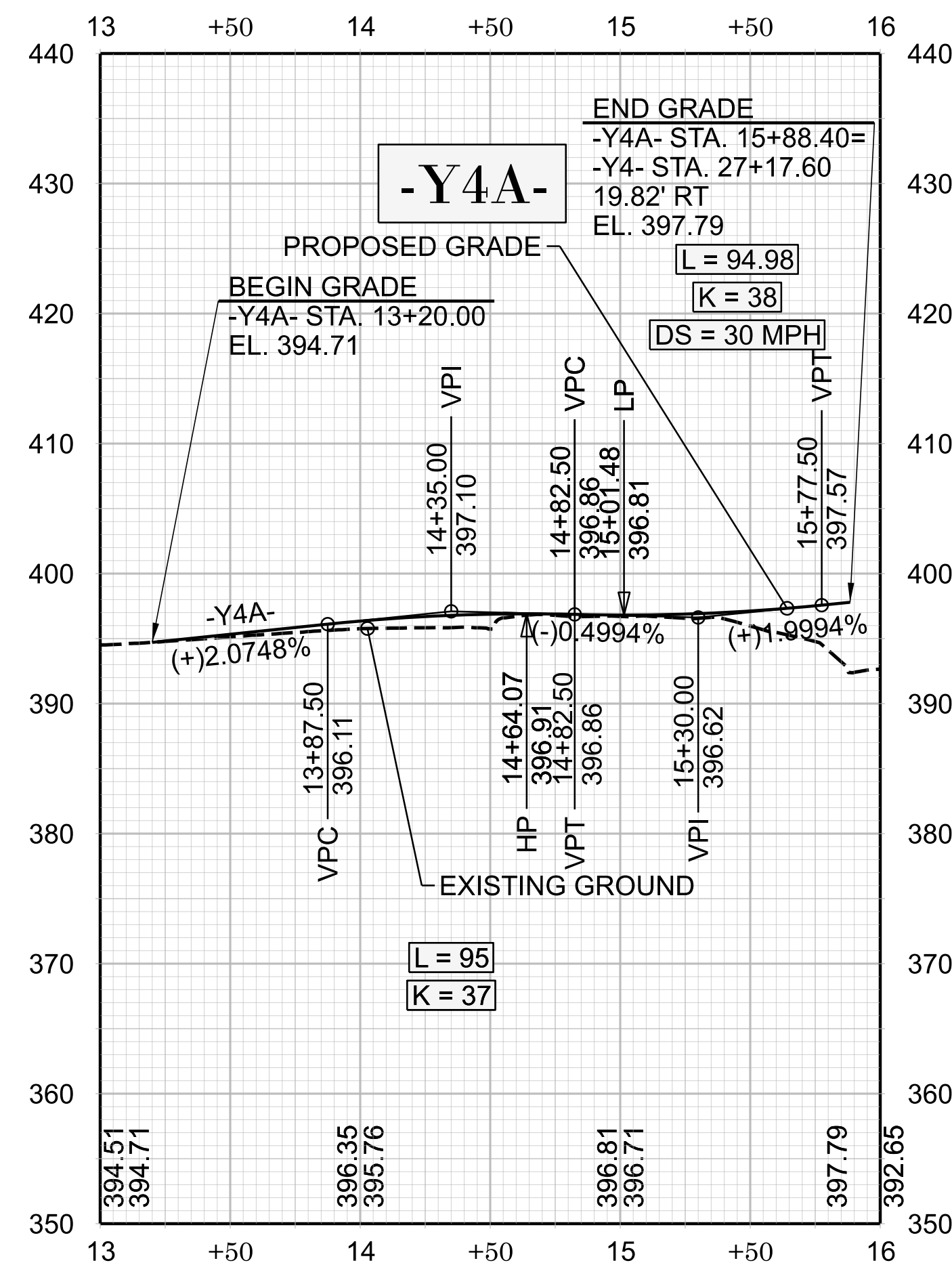
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SEE SHEET 20 FOR -Y4A- PLAN VIEW

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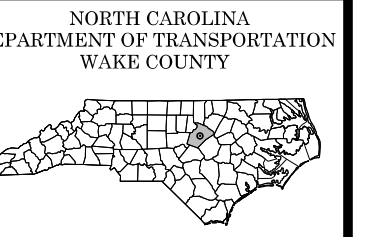
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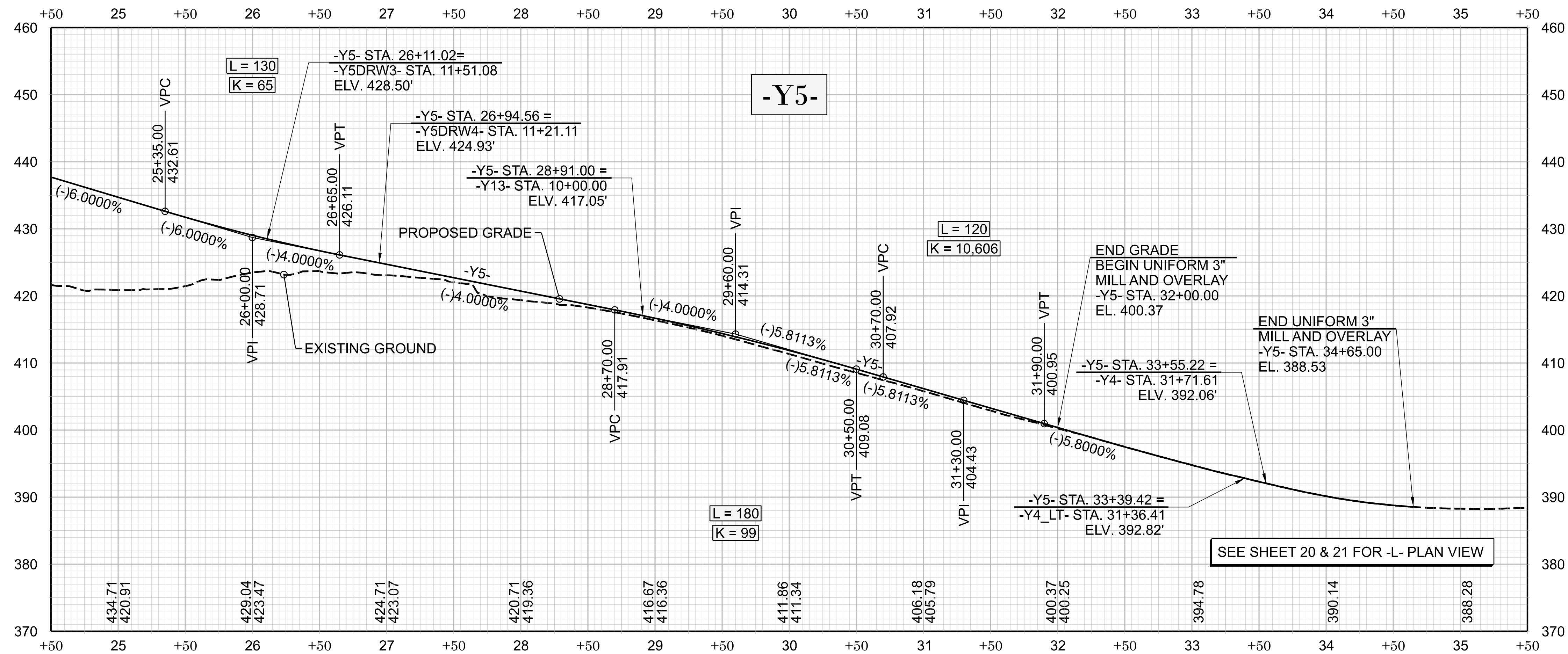
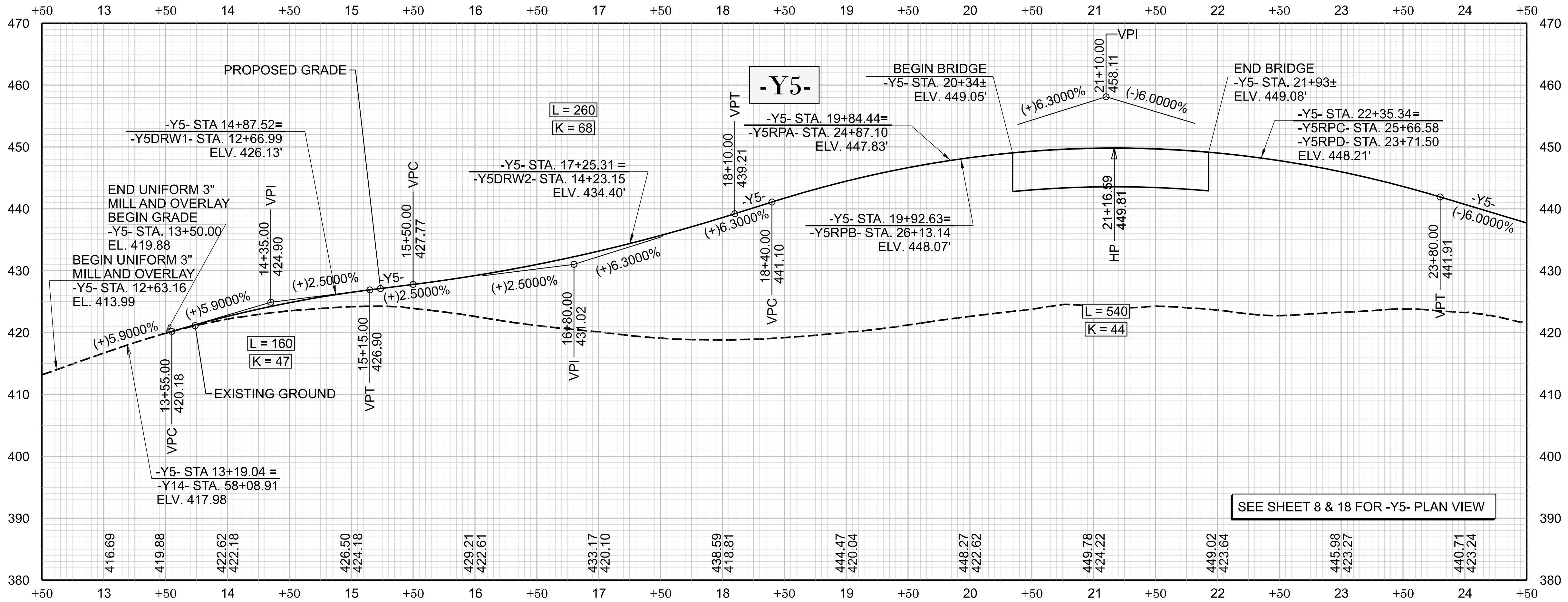
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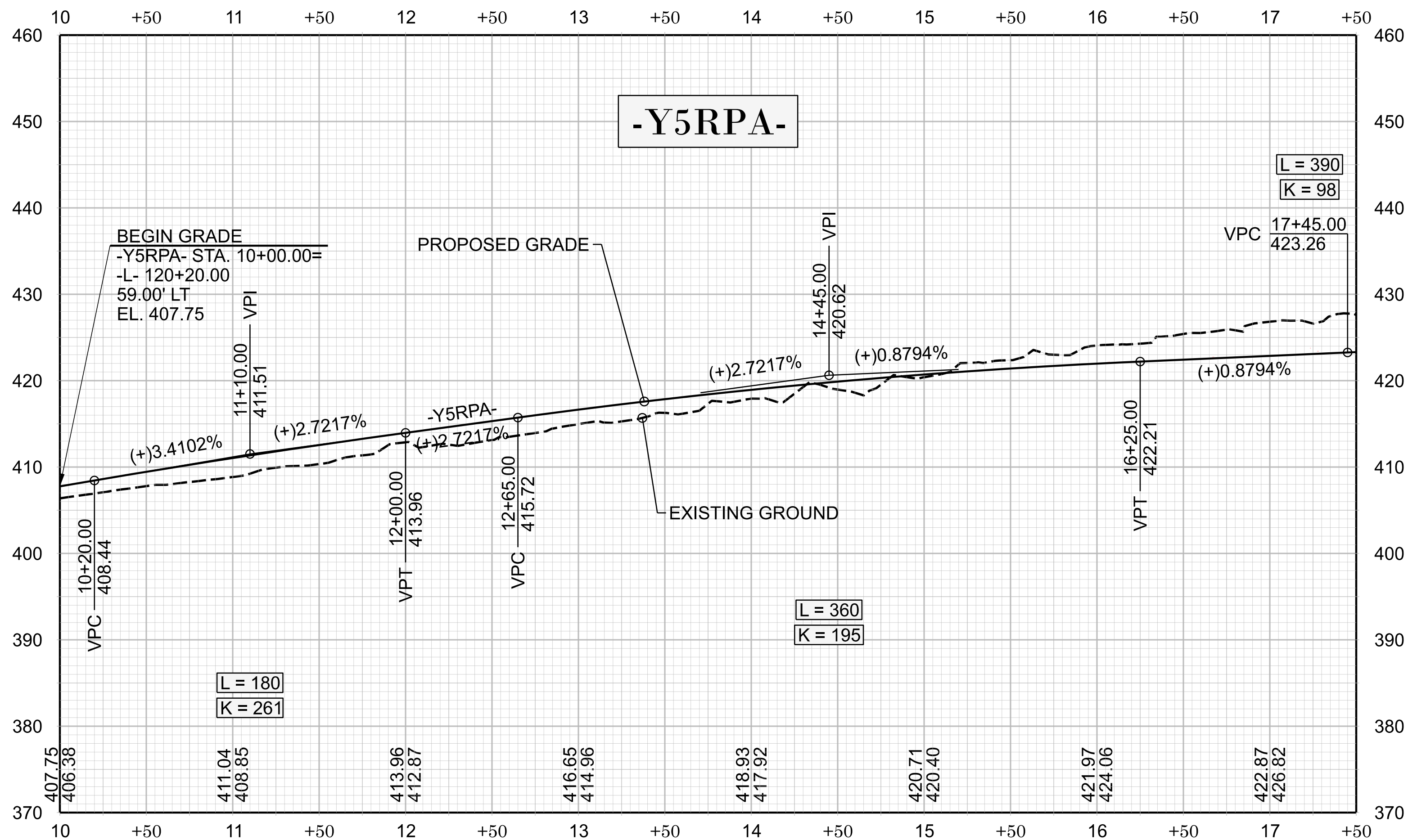
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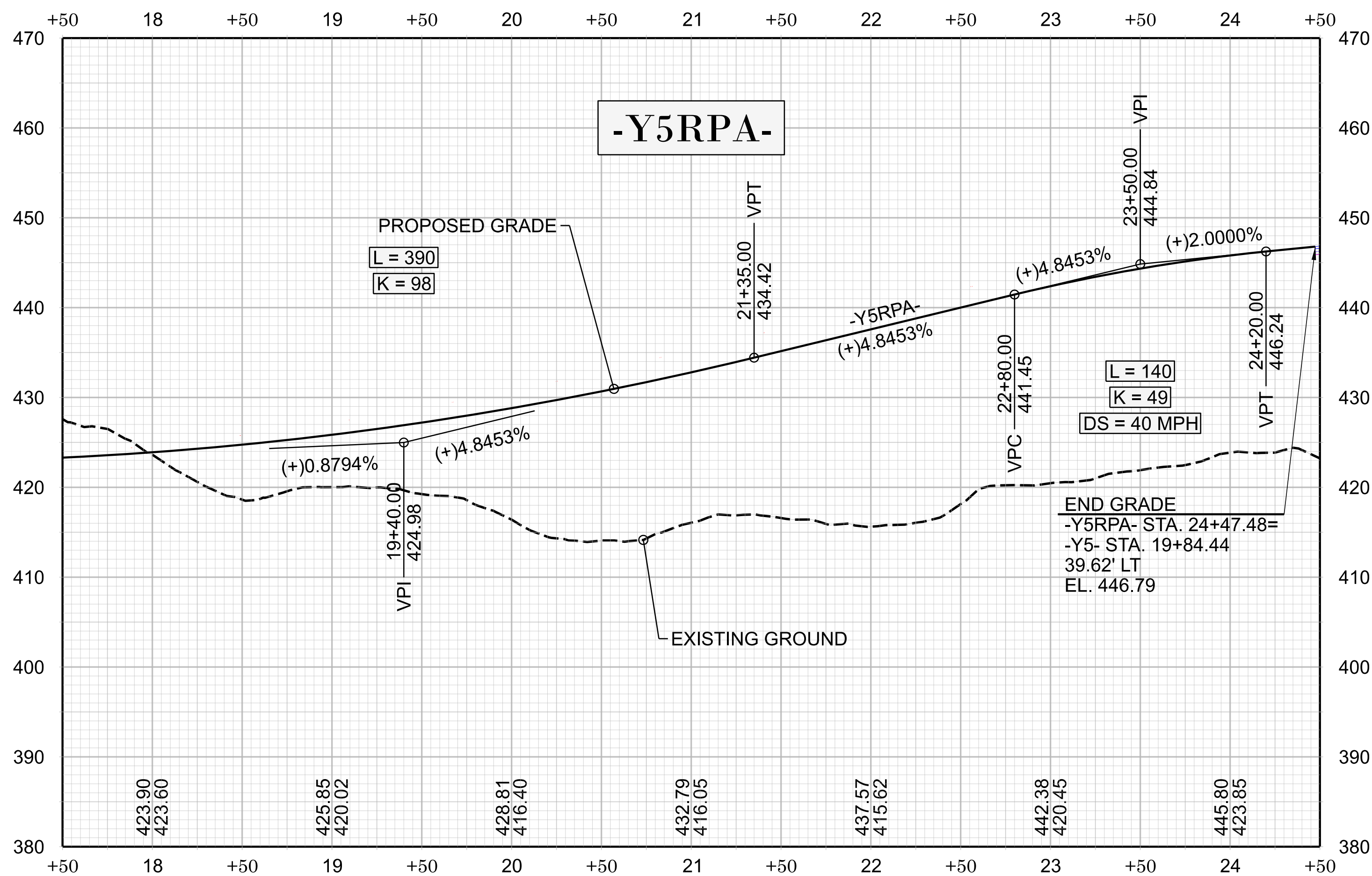
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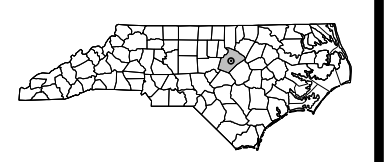




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SEE SHEET 8 FOR -Y5RPA- PLAN VIEW



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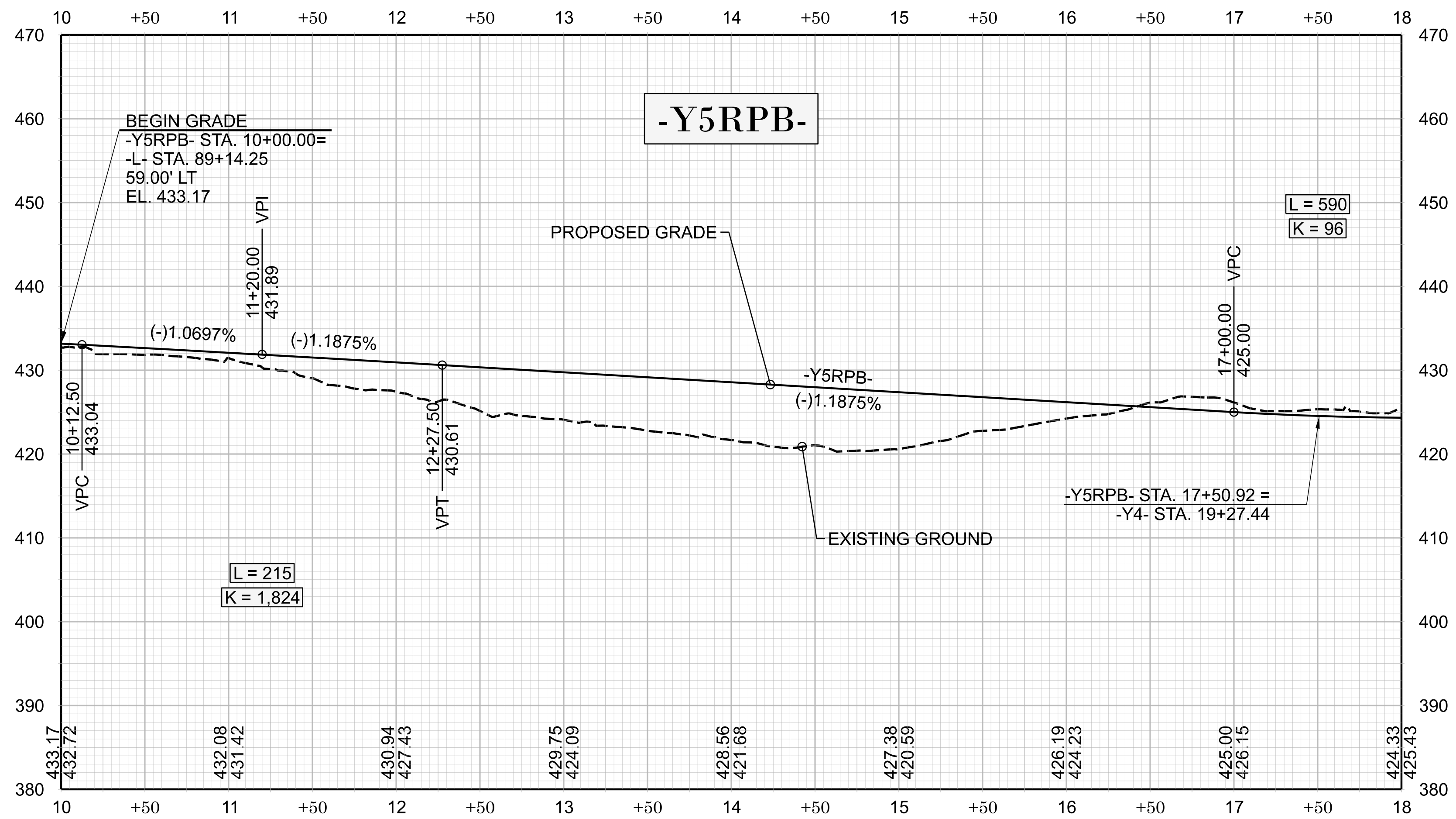


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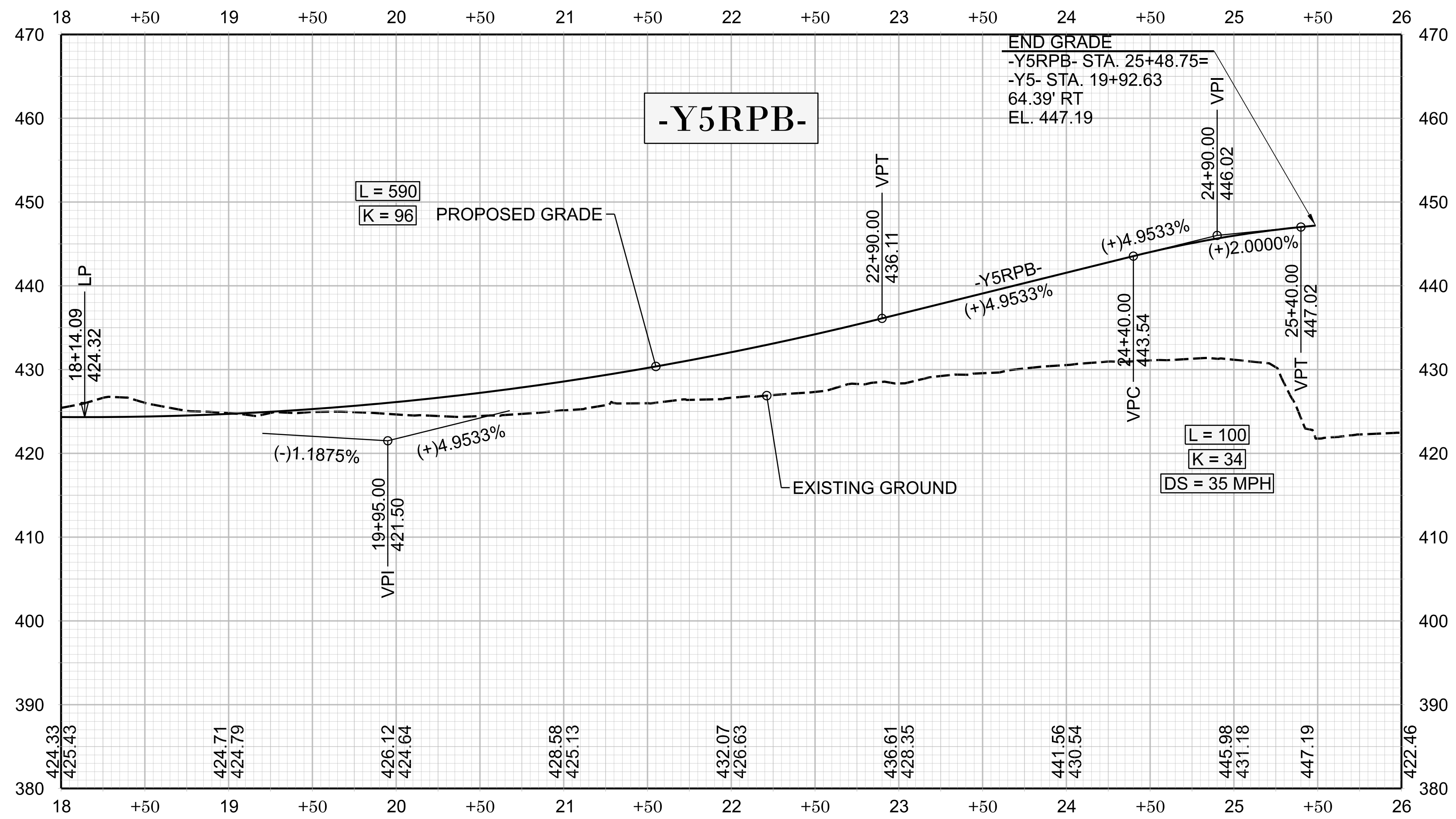
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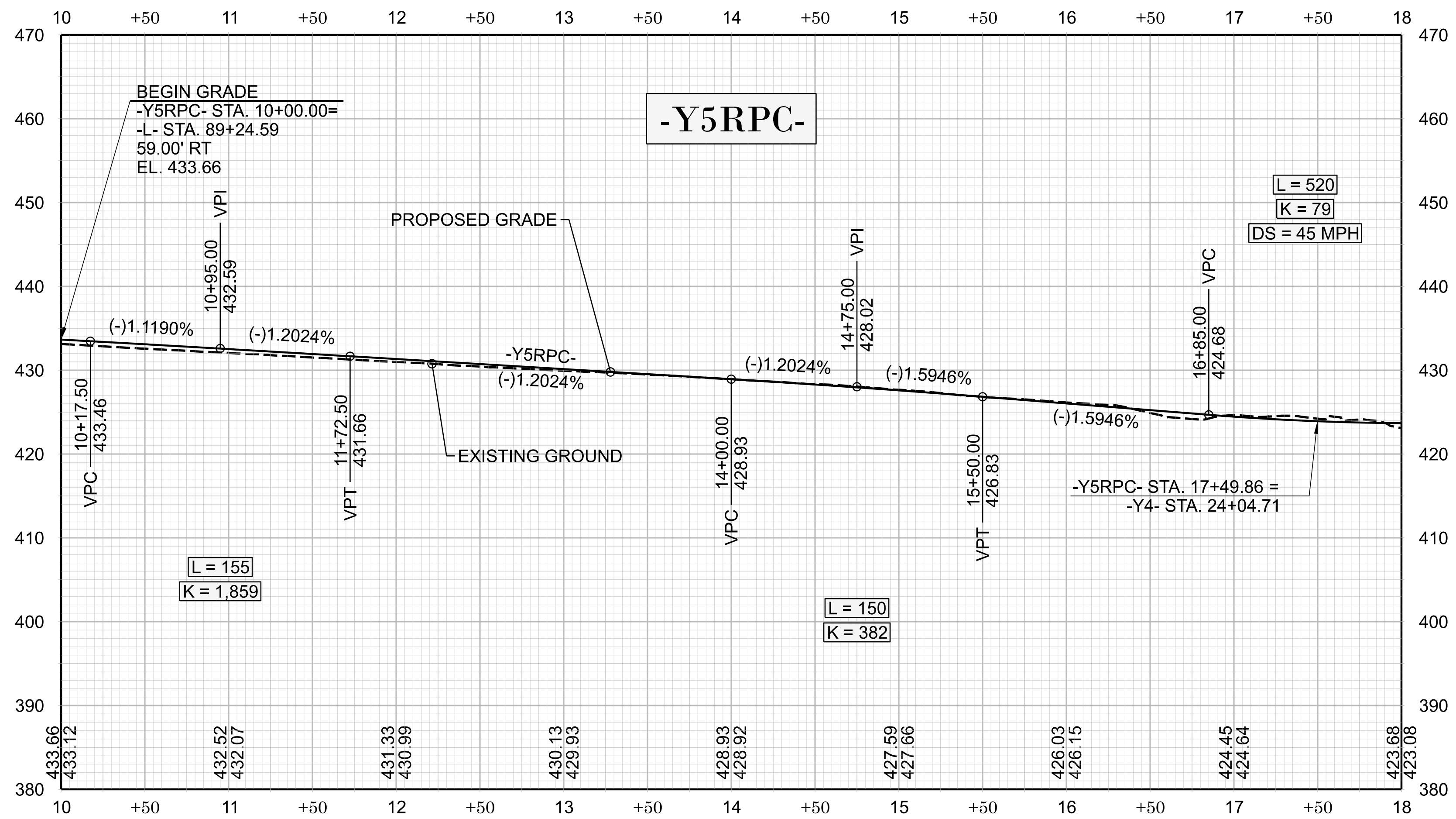
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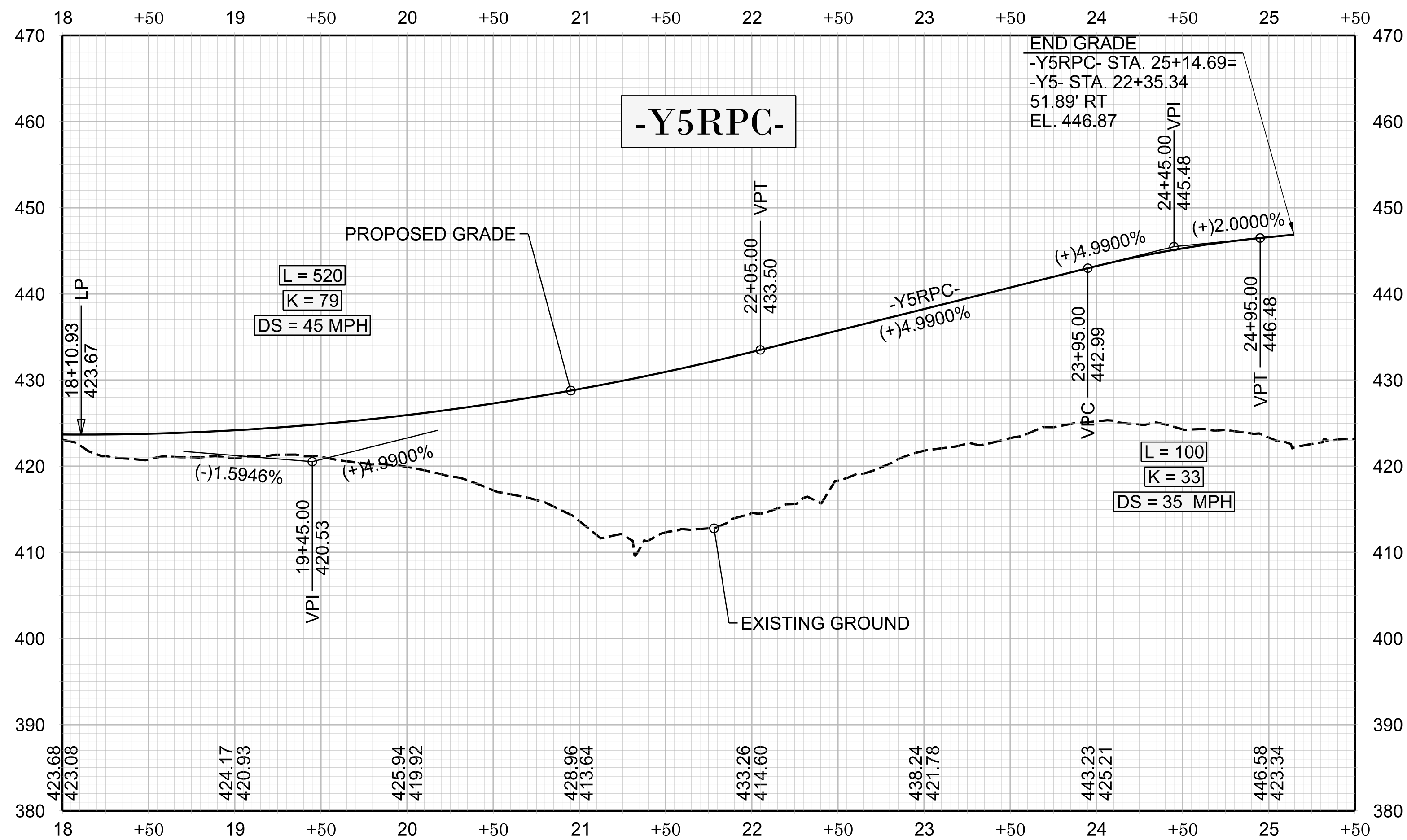
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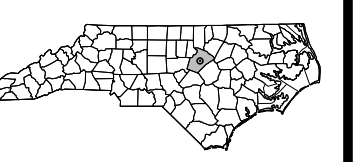
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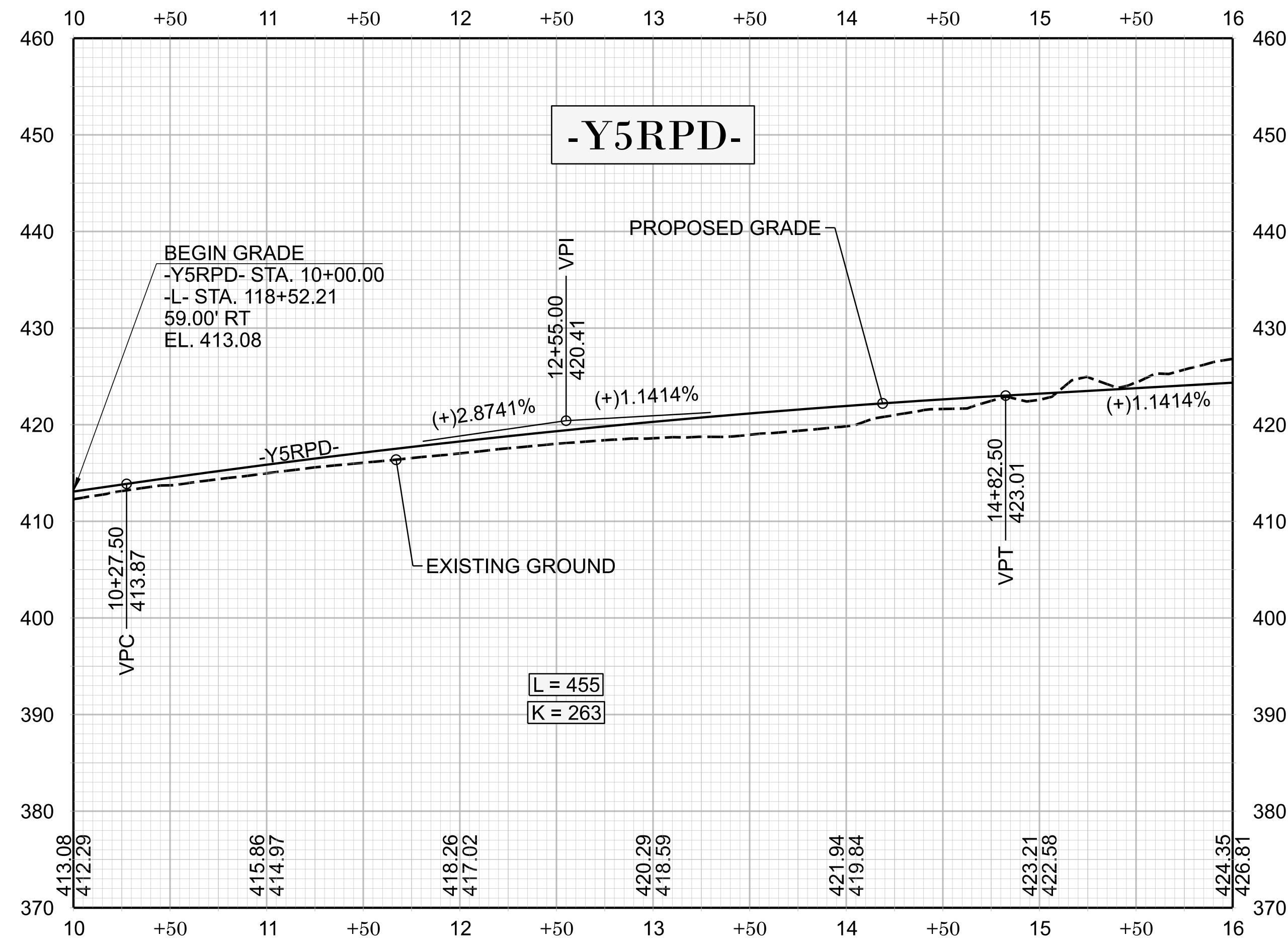


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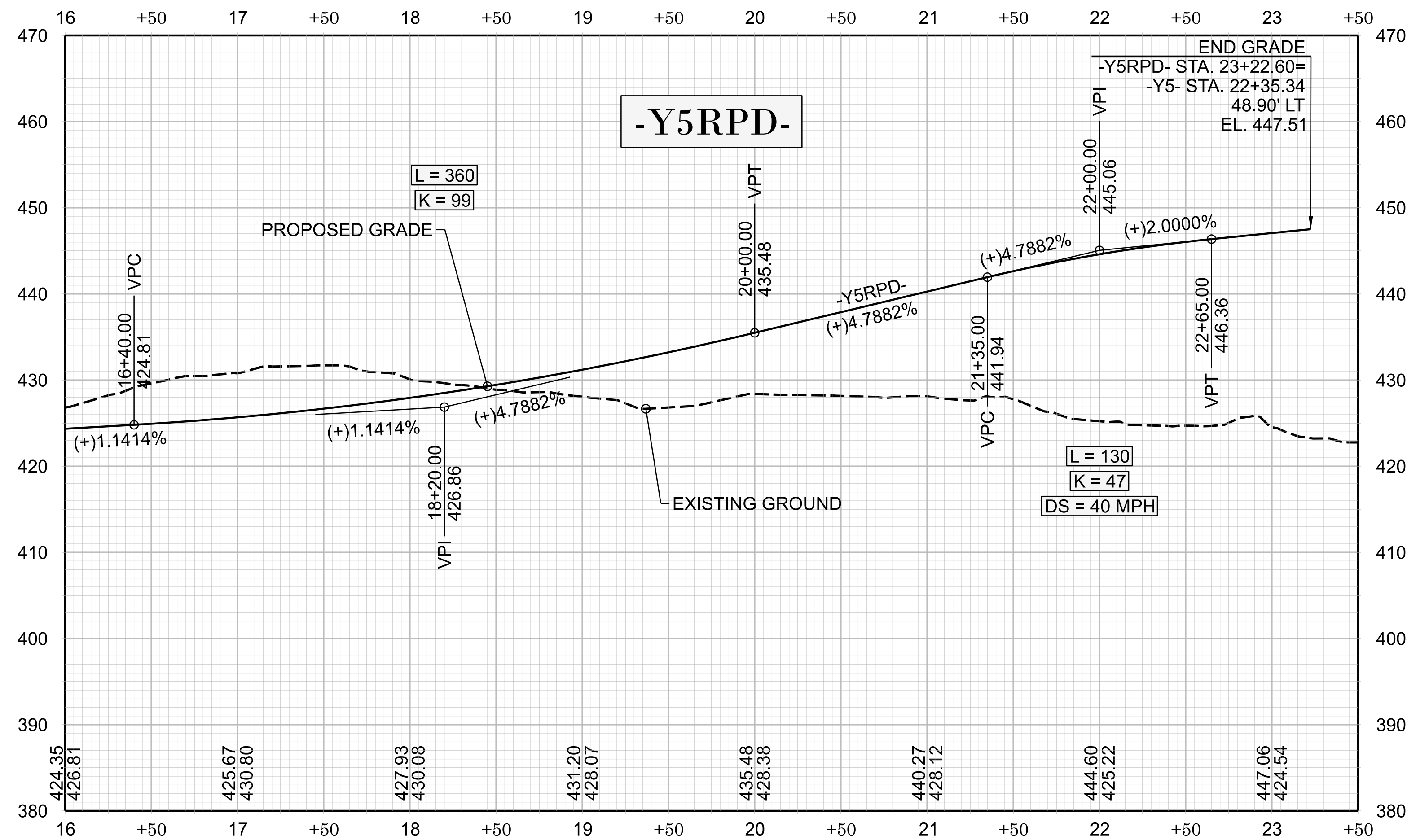
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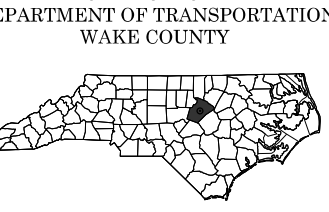
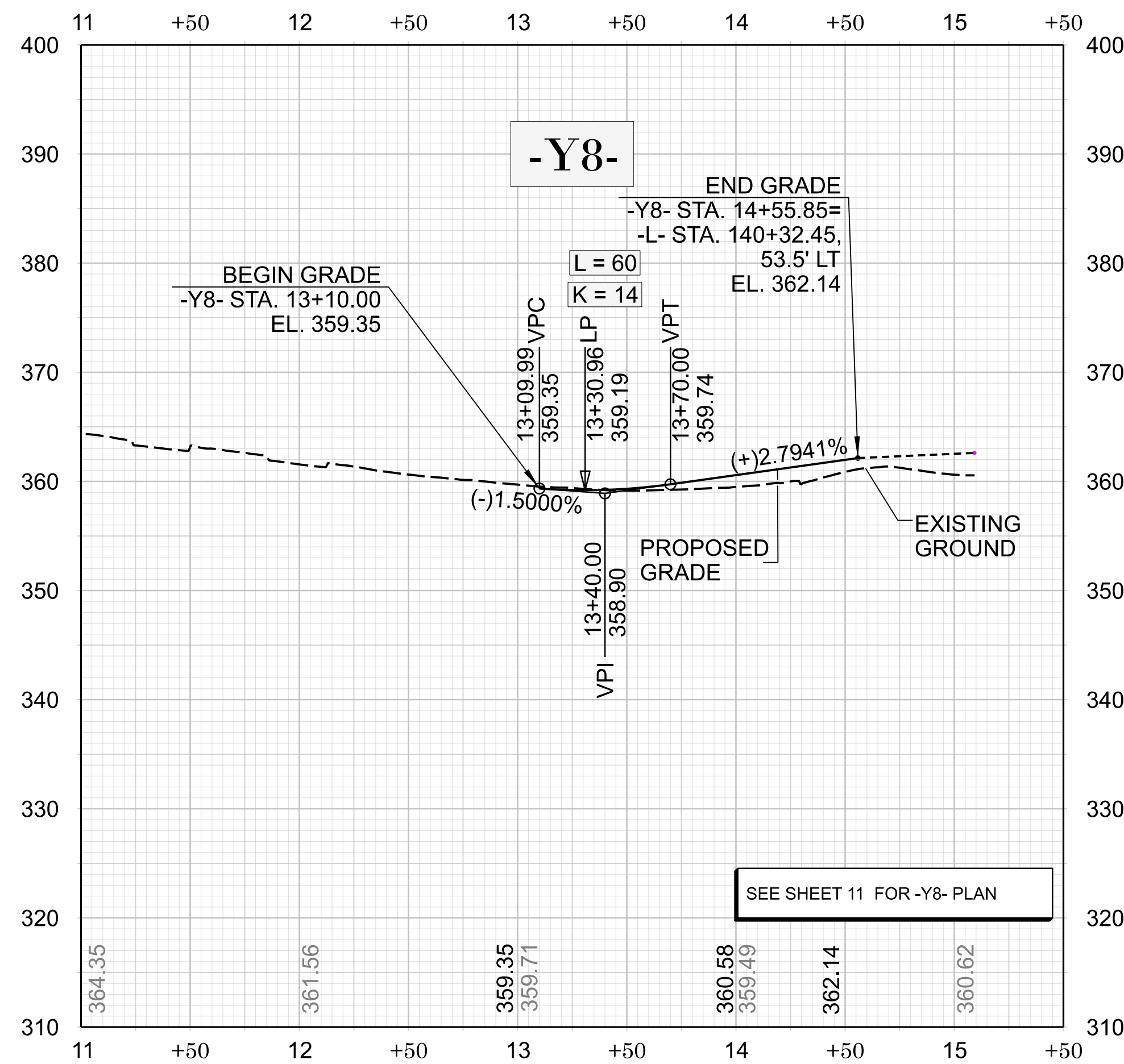
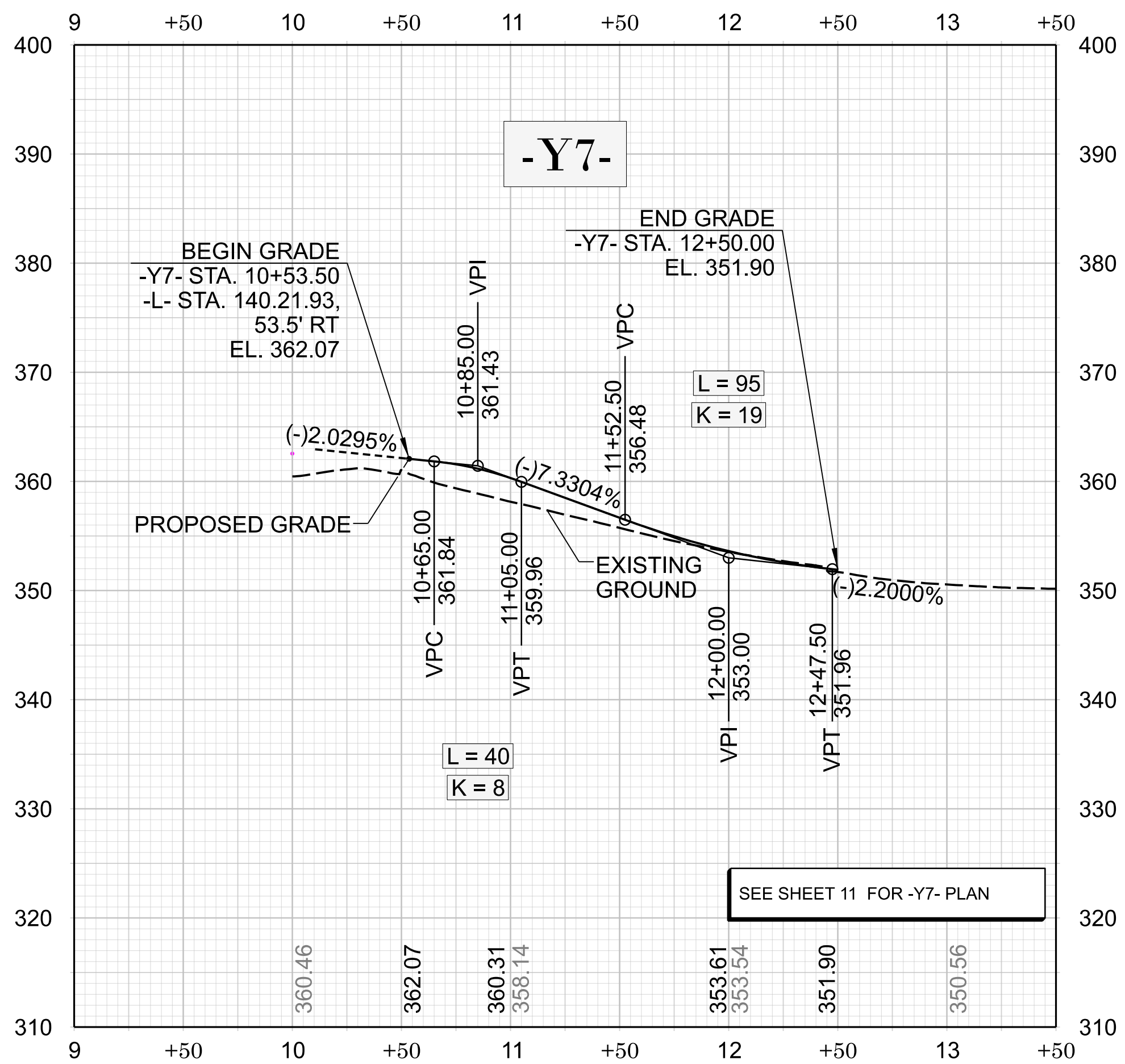
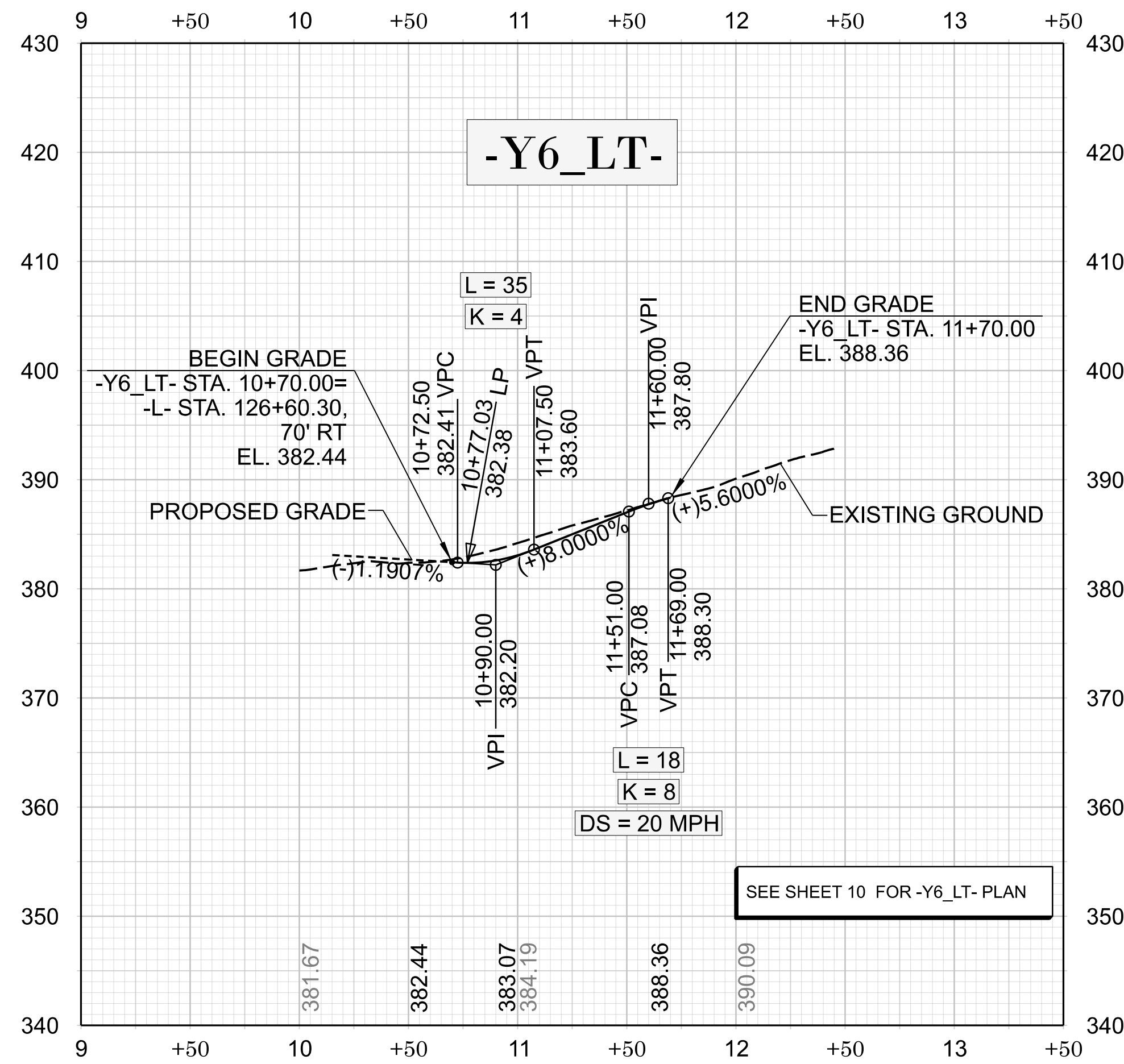
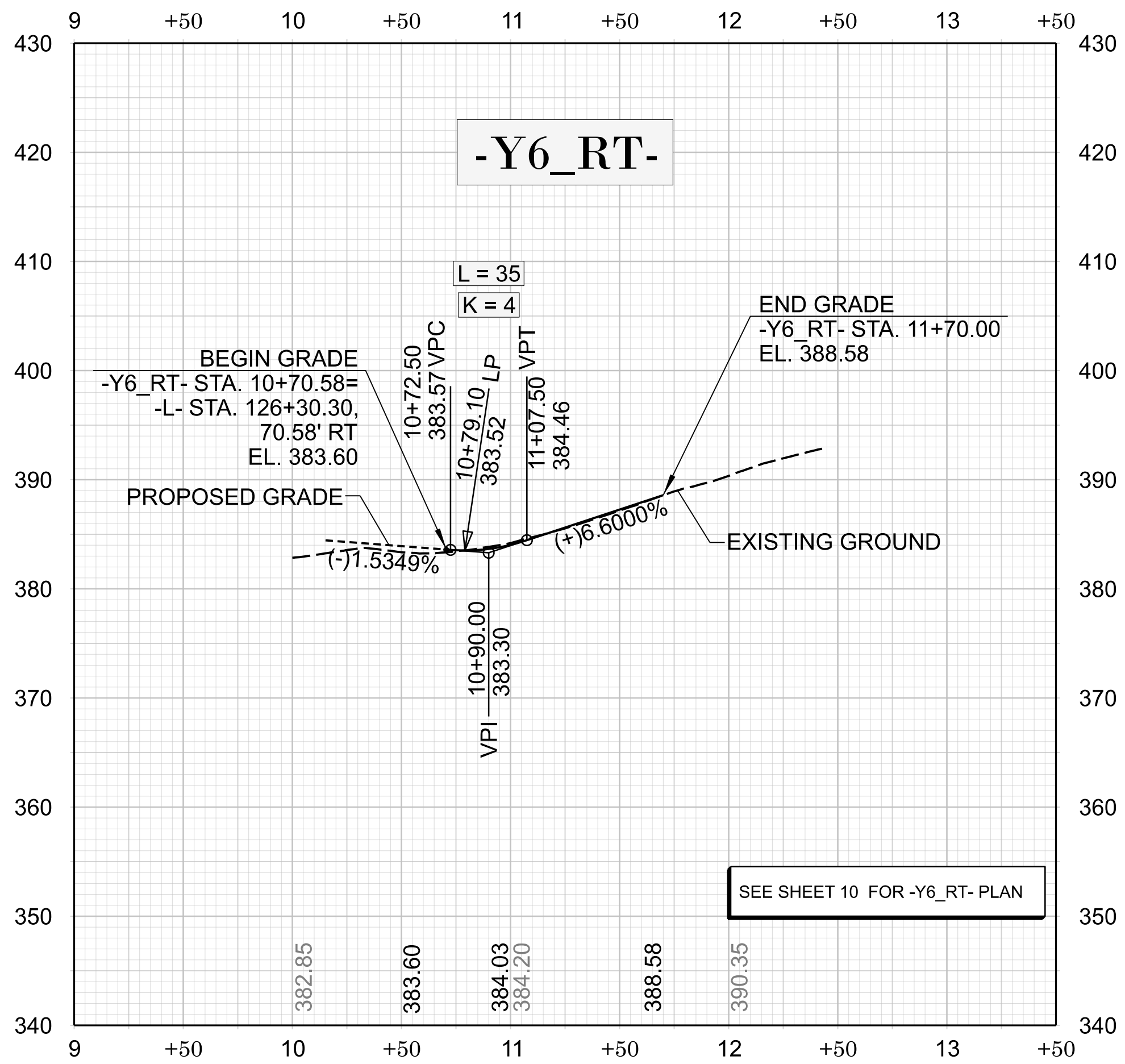
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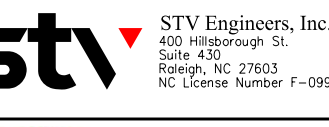
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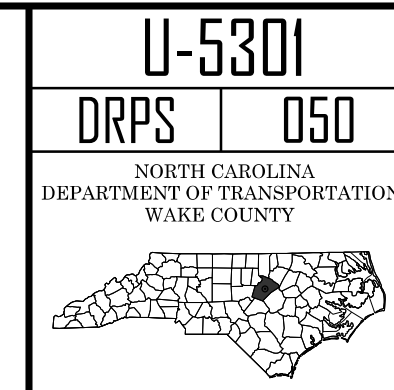
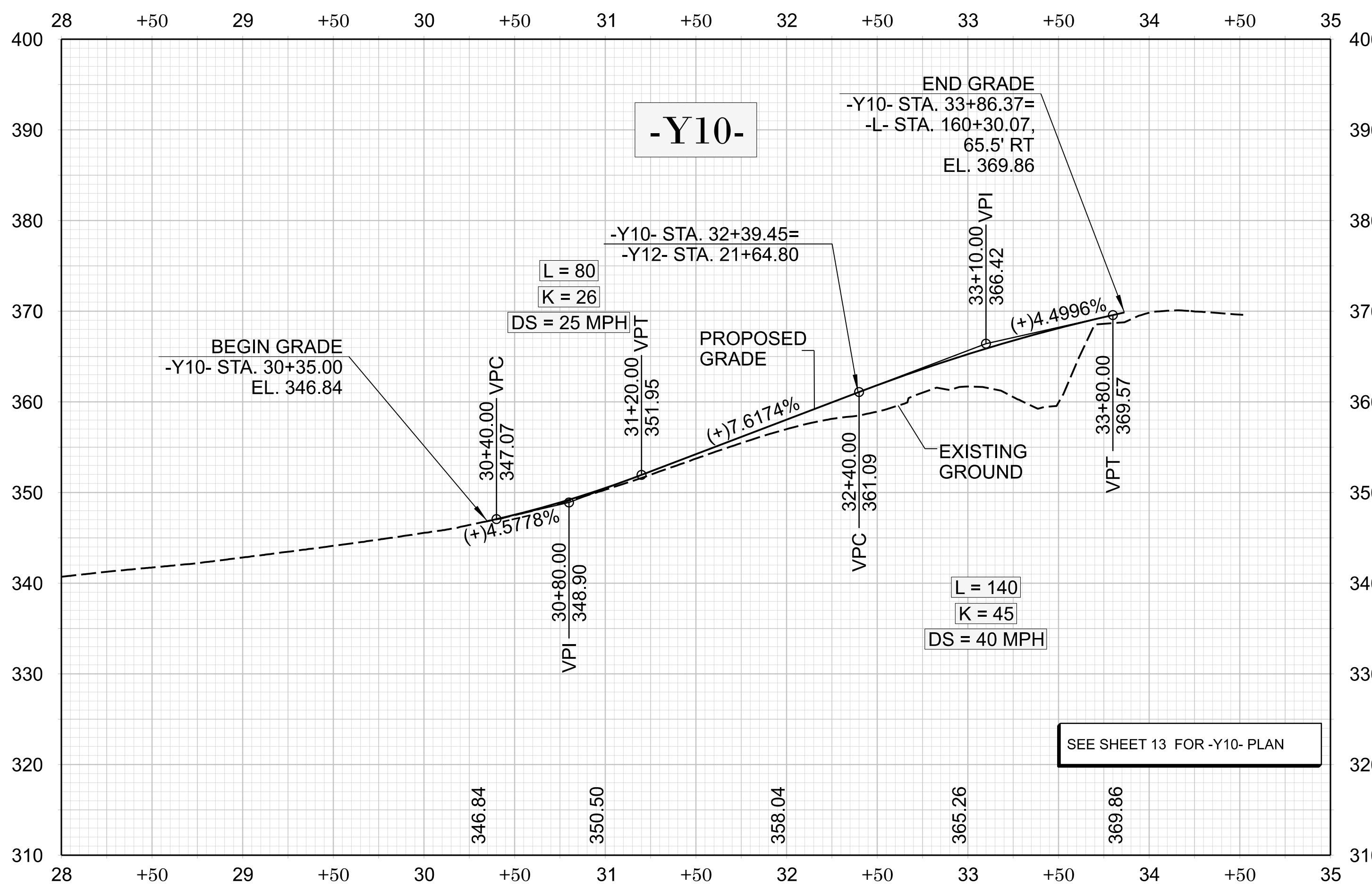
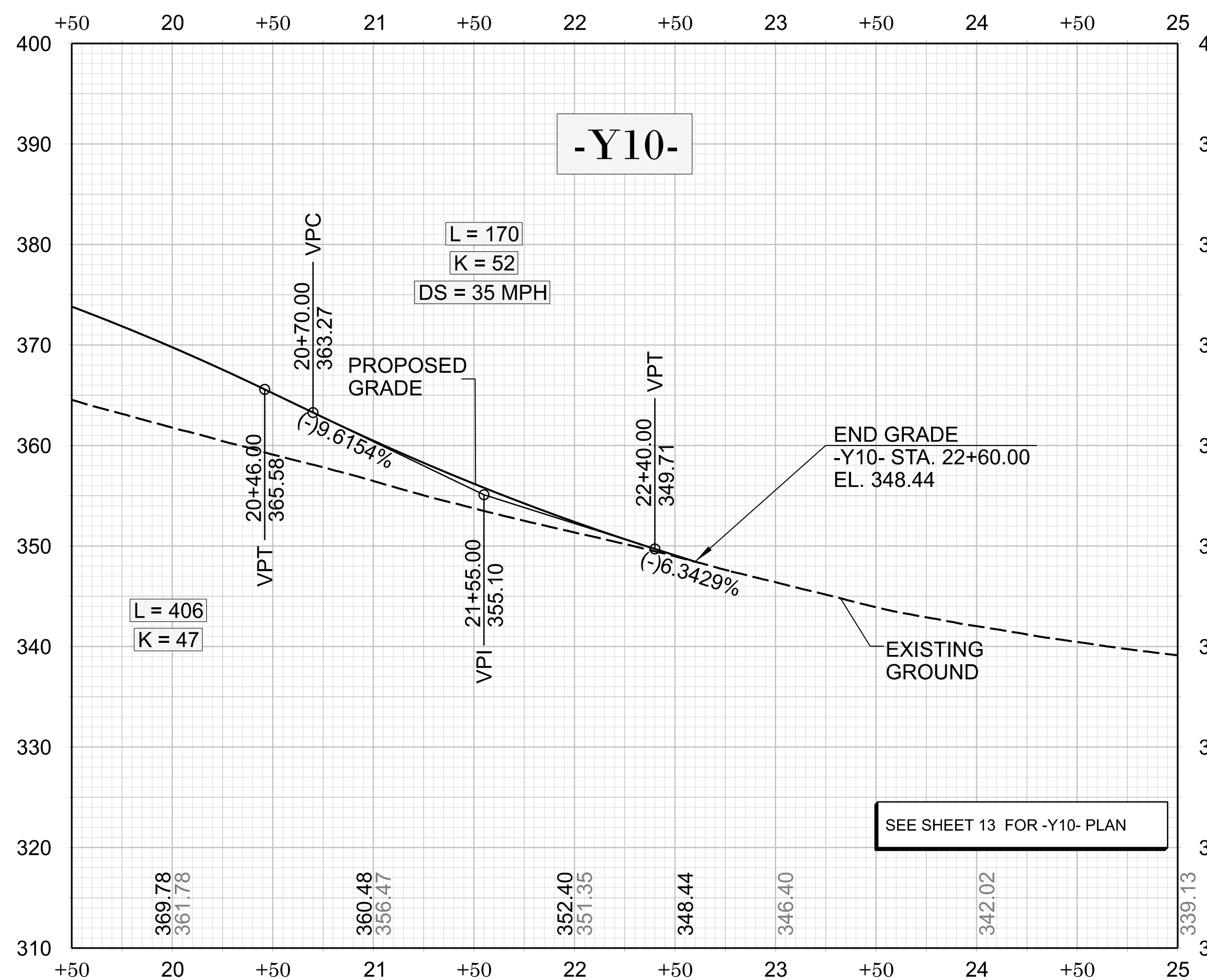
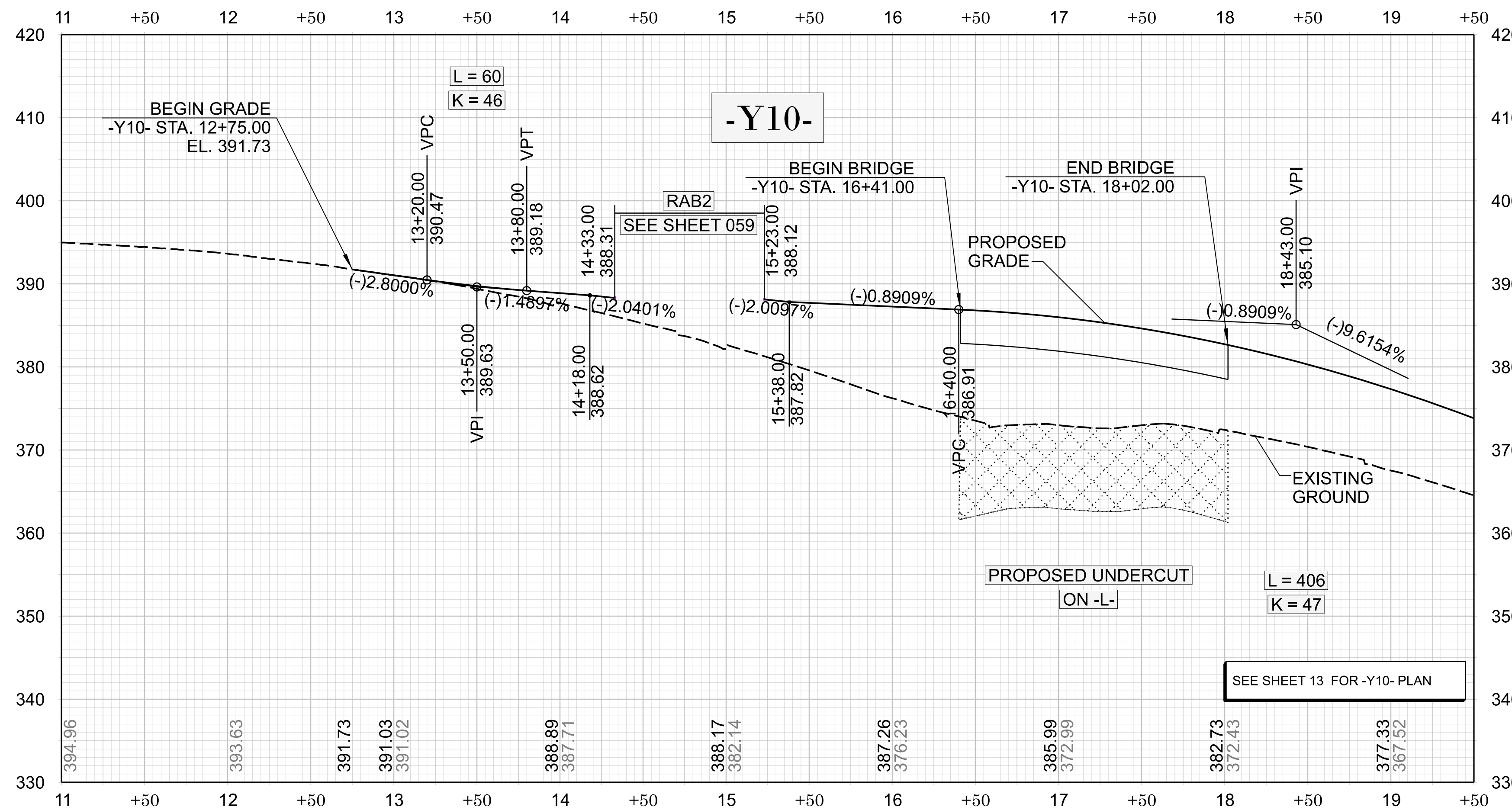
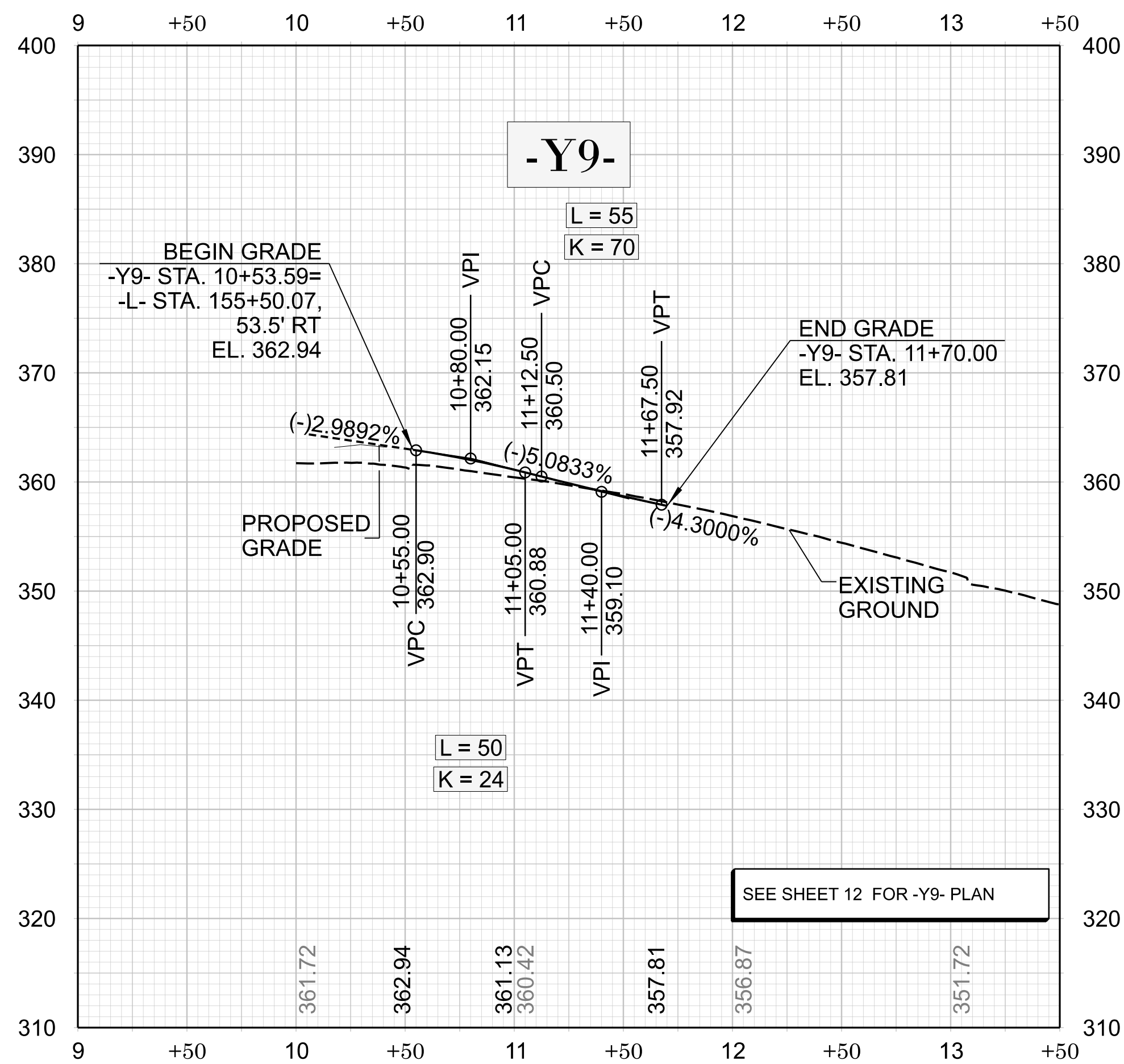


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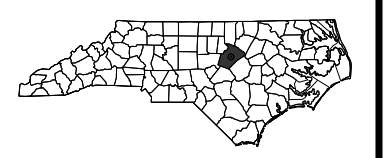
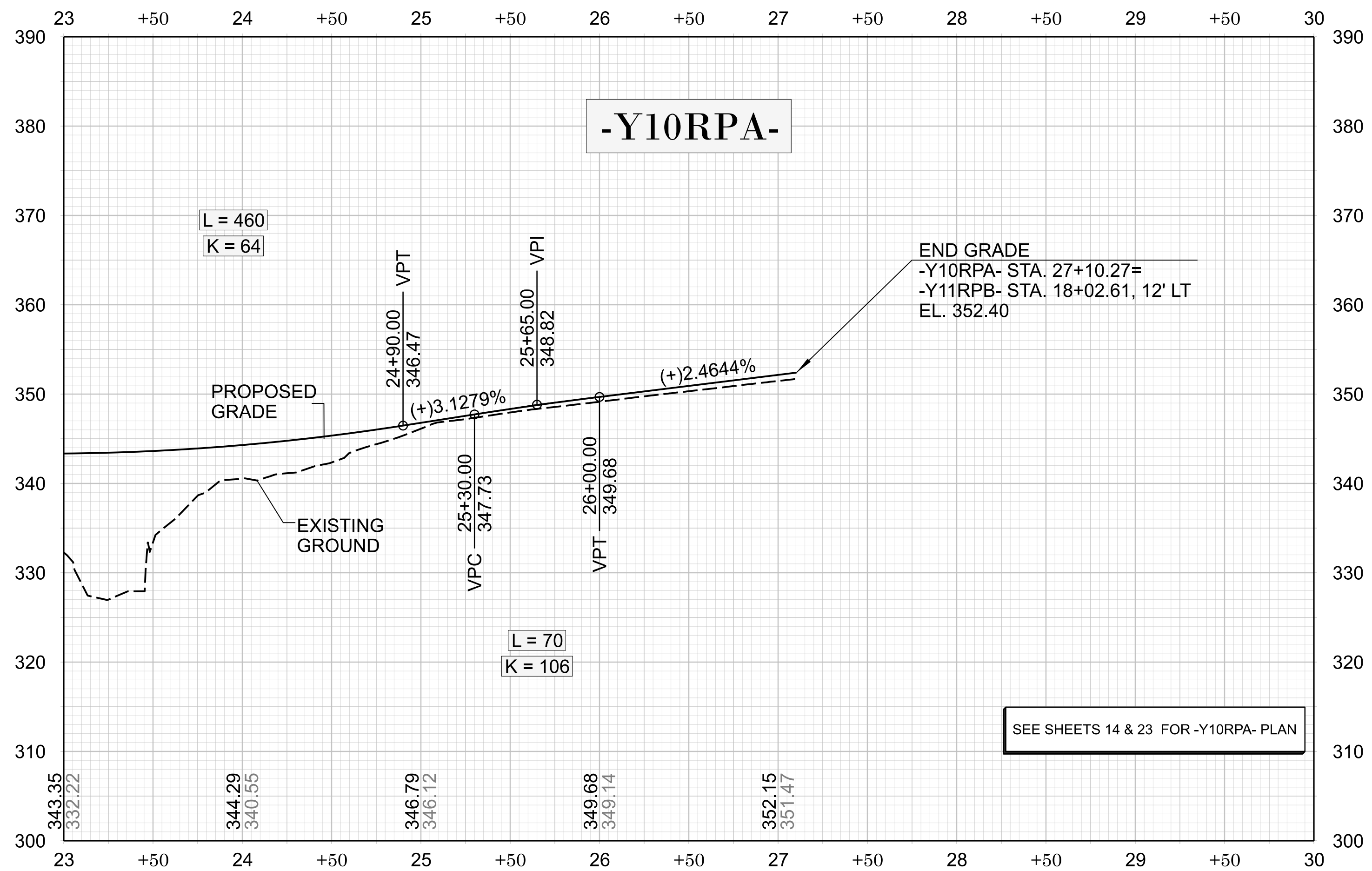
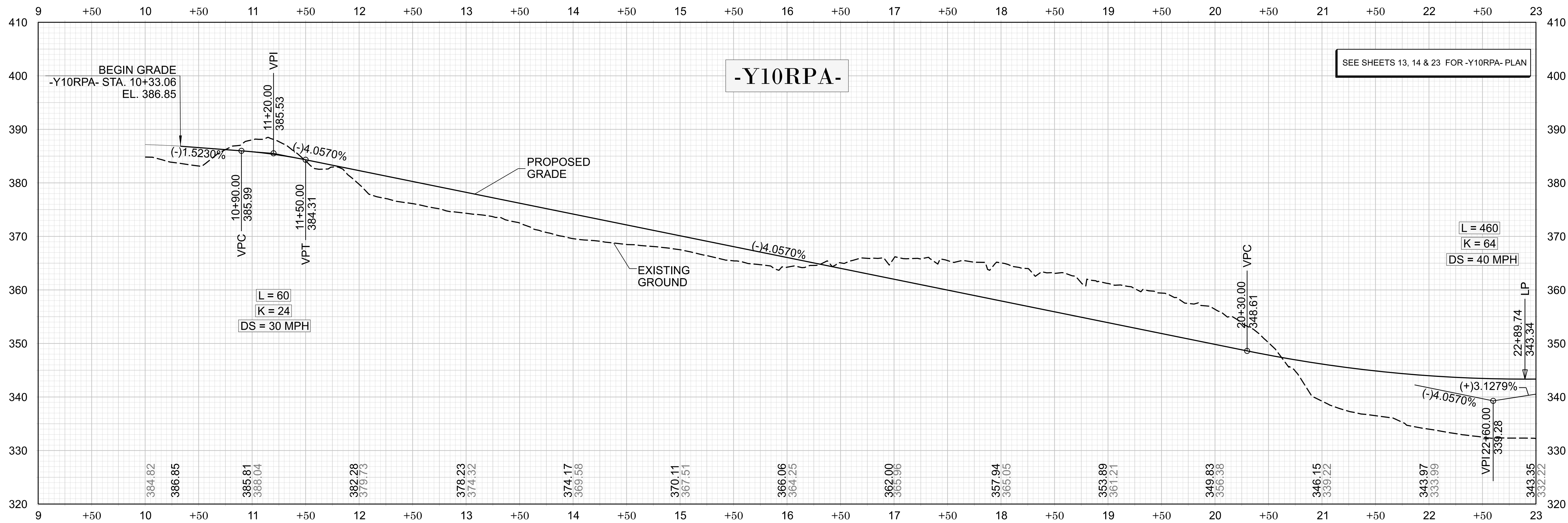
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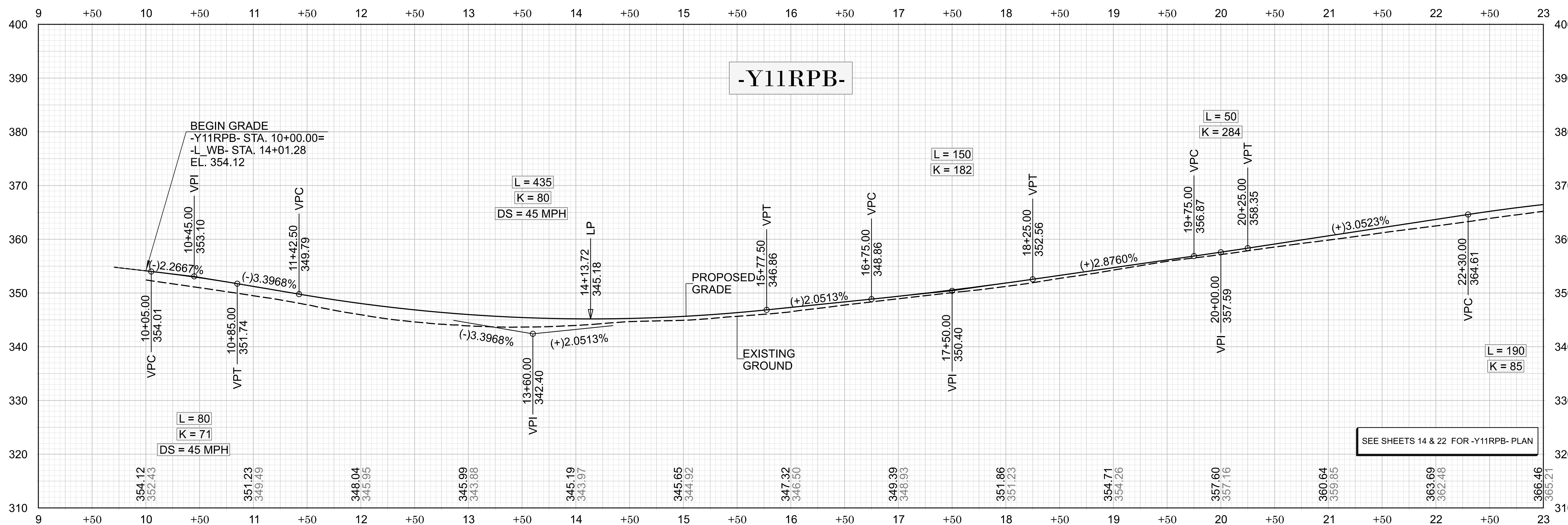
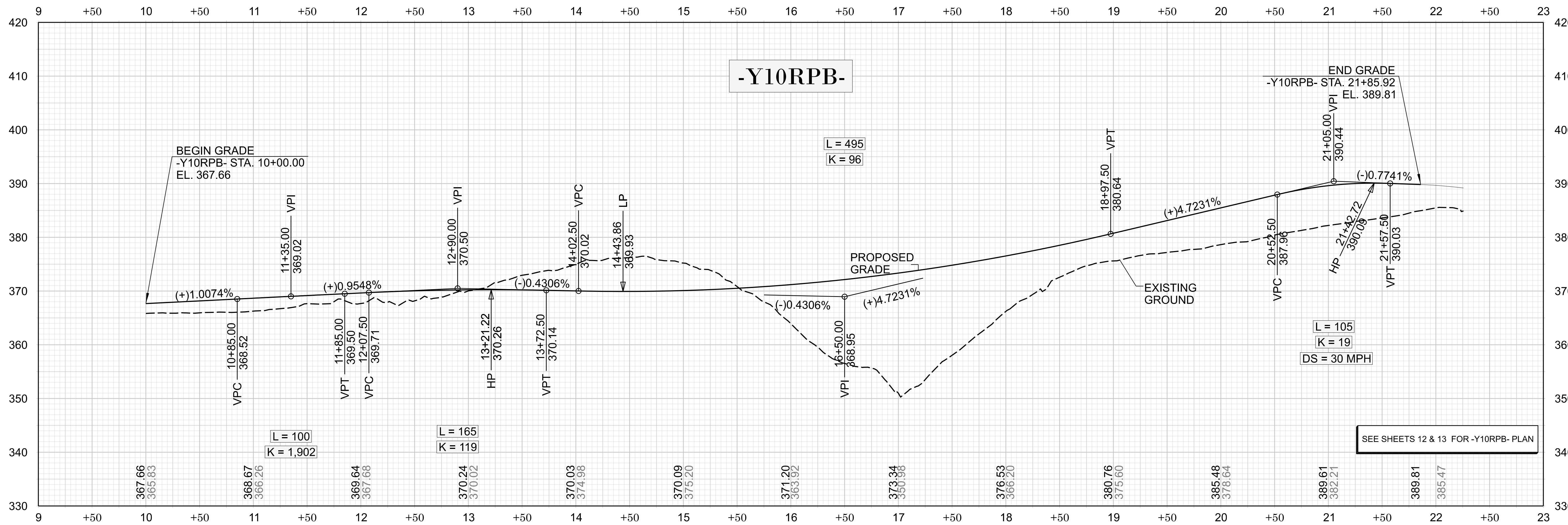


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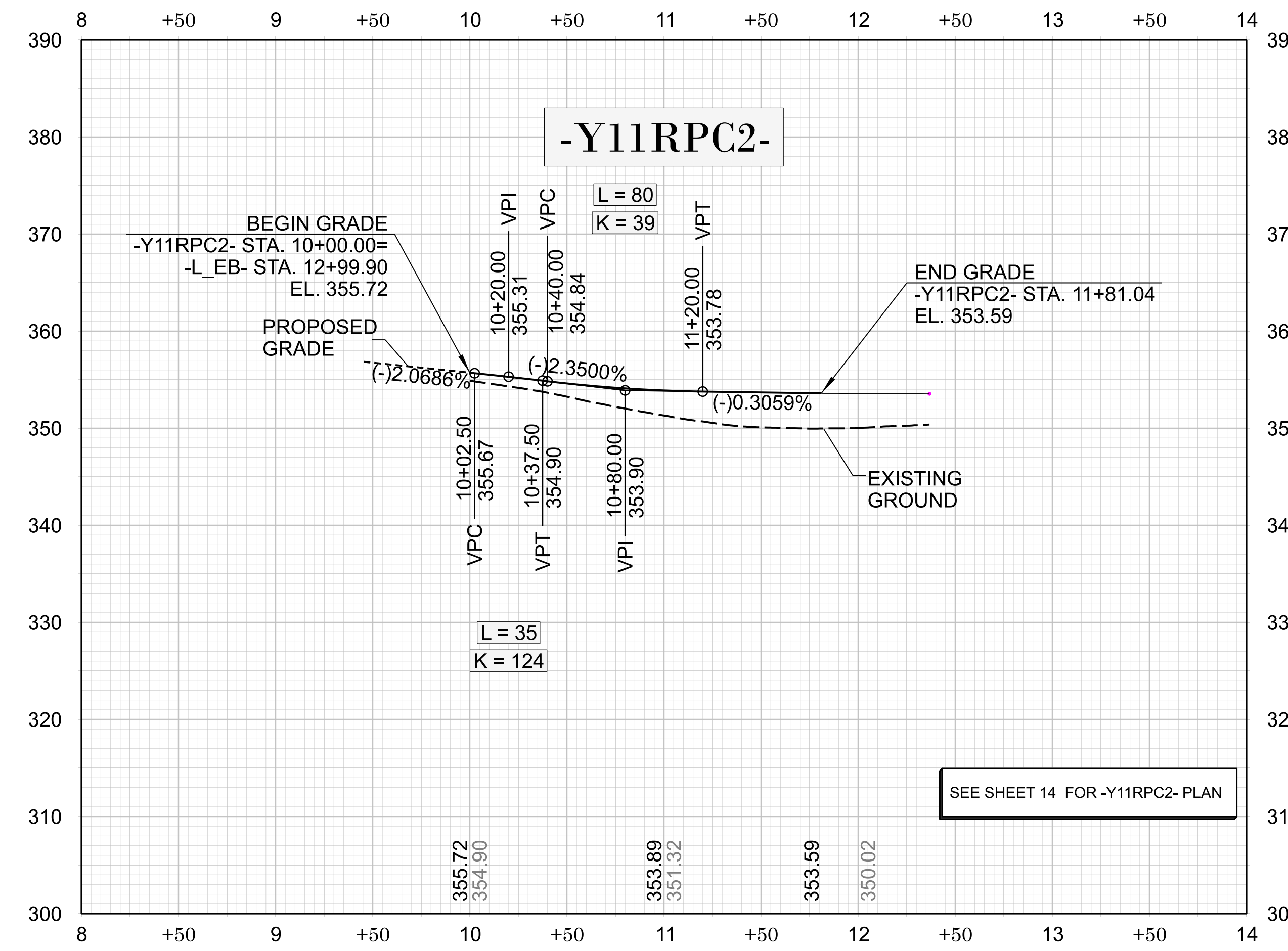
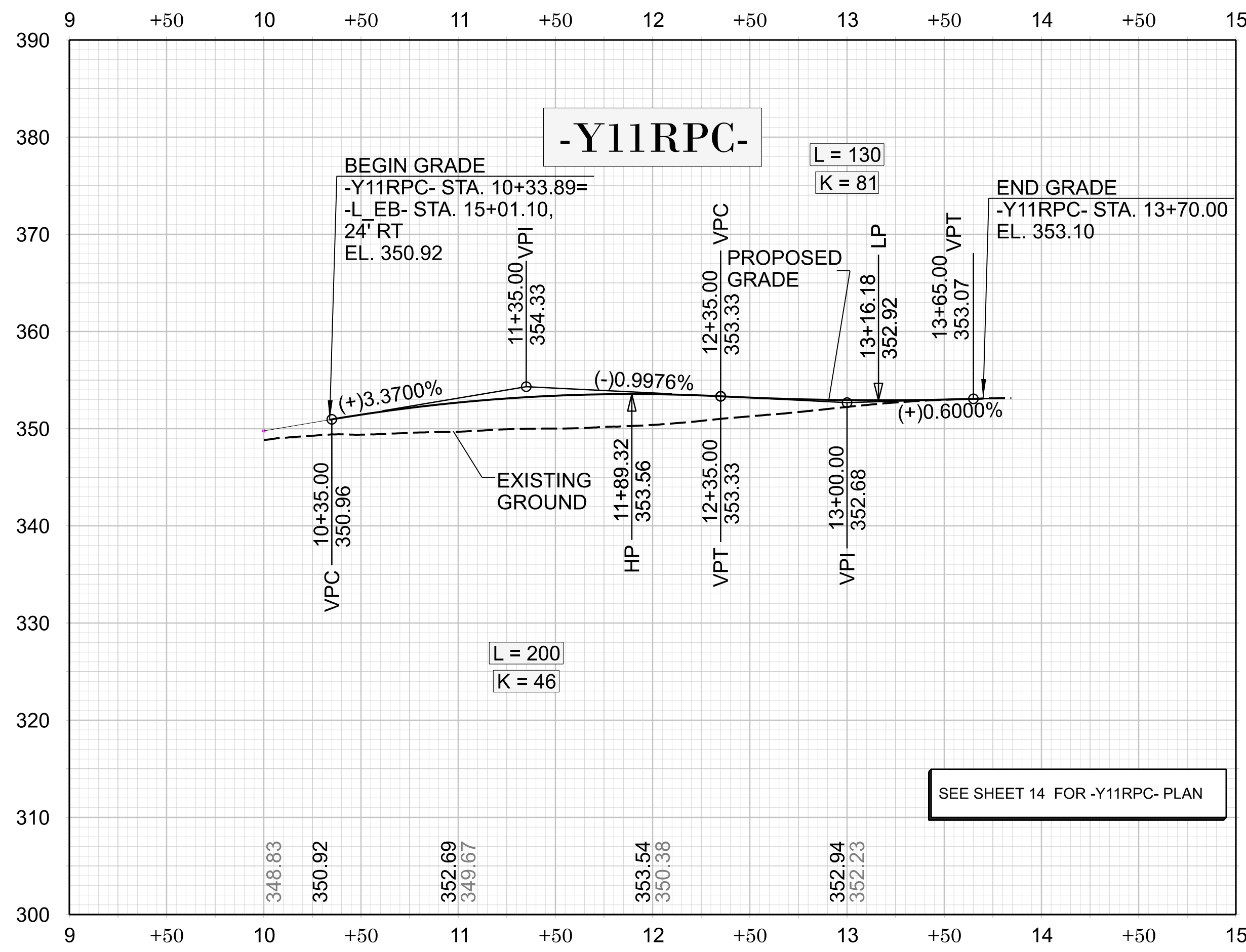
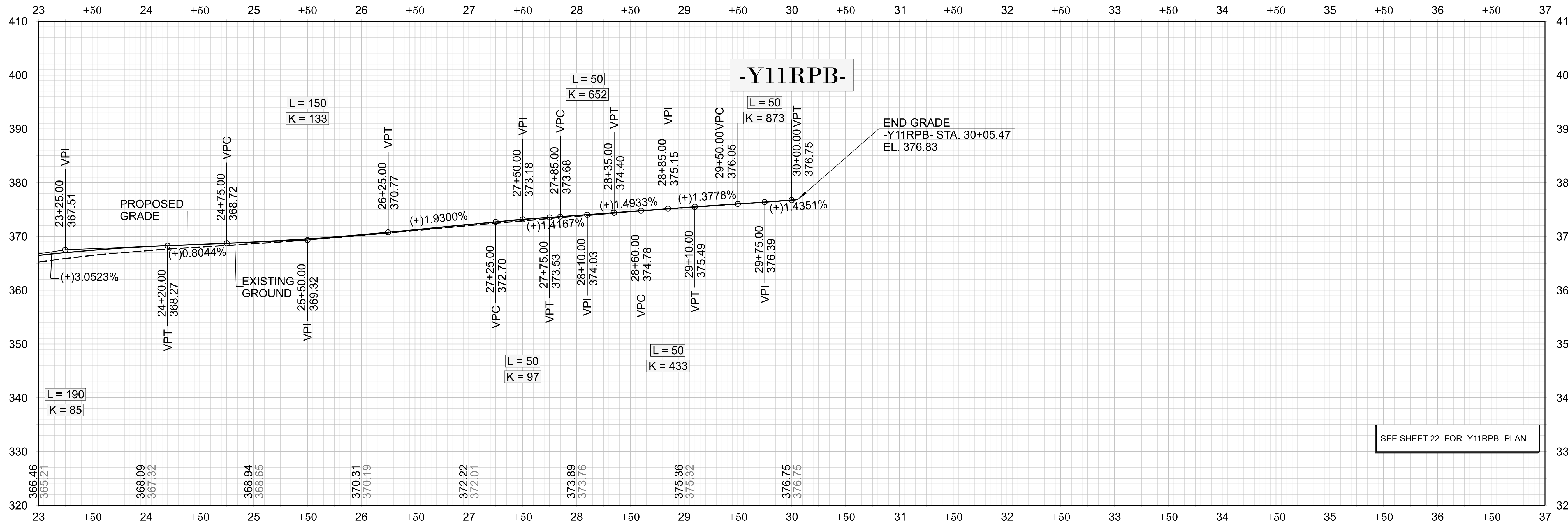
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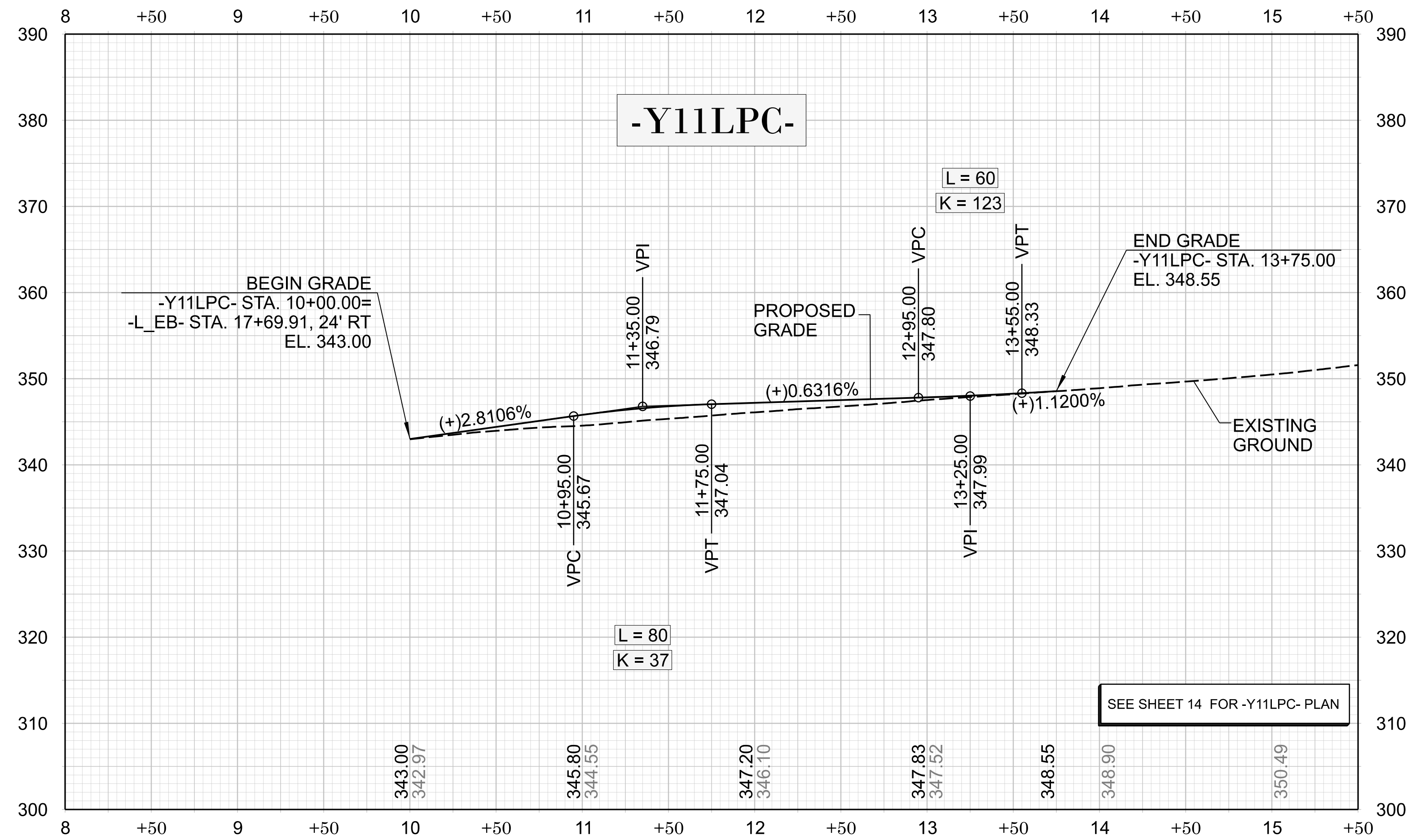
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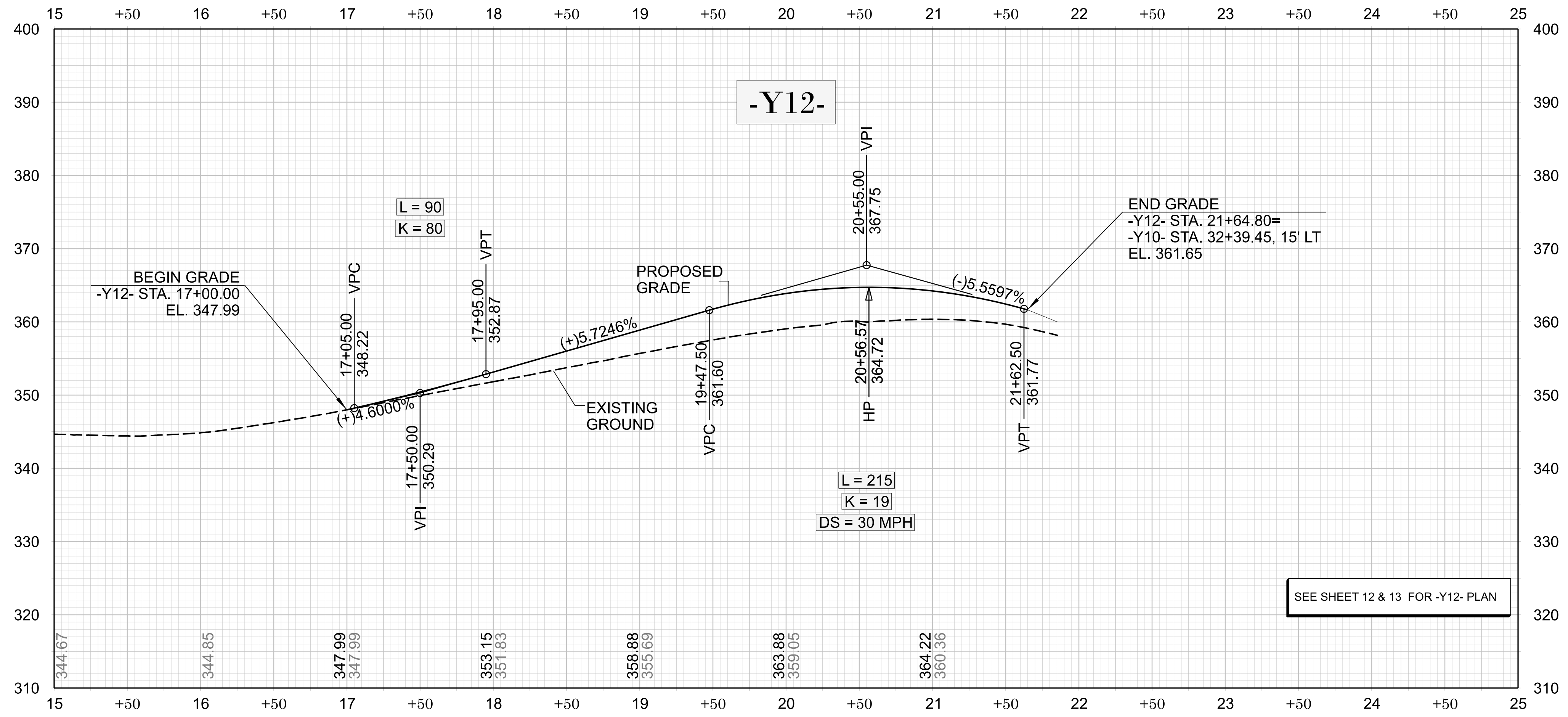
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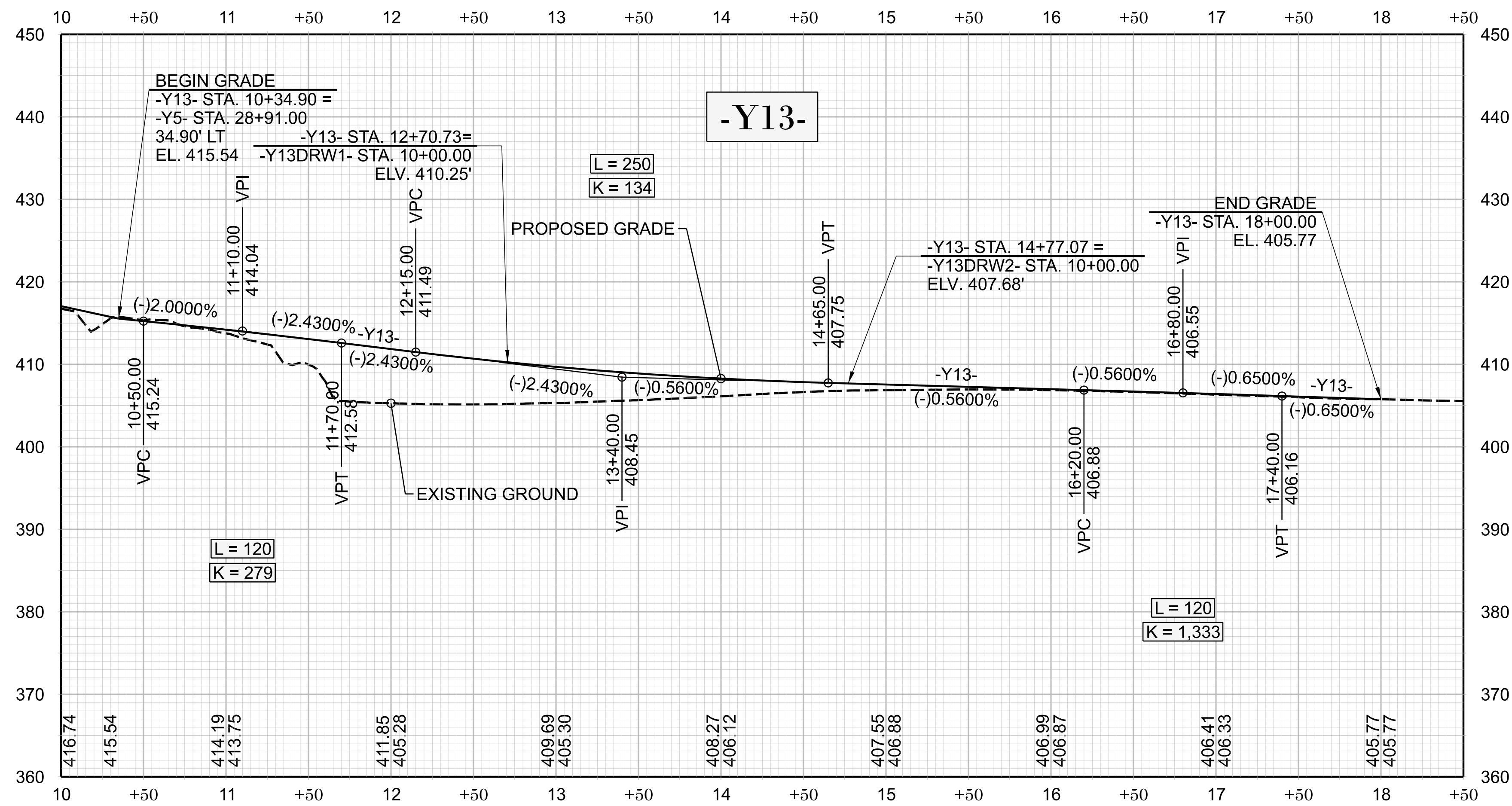
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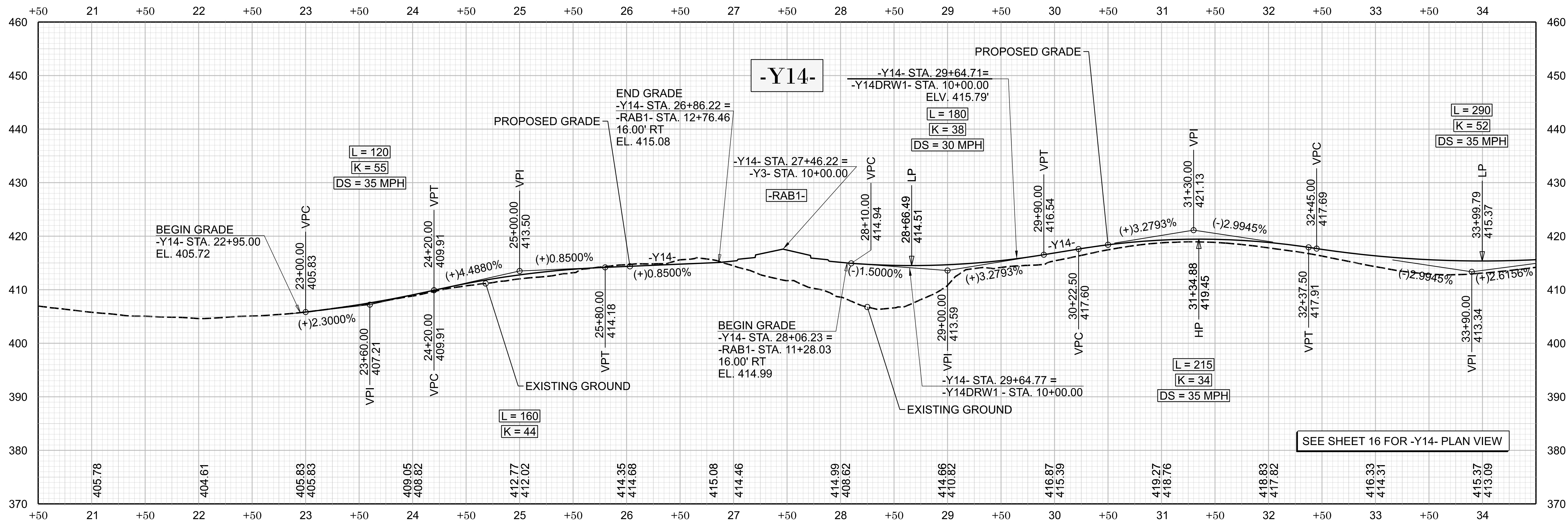
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SEE SHEET 16 FOR -Y14- PLAN VIEW

U-5301

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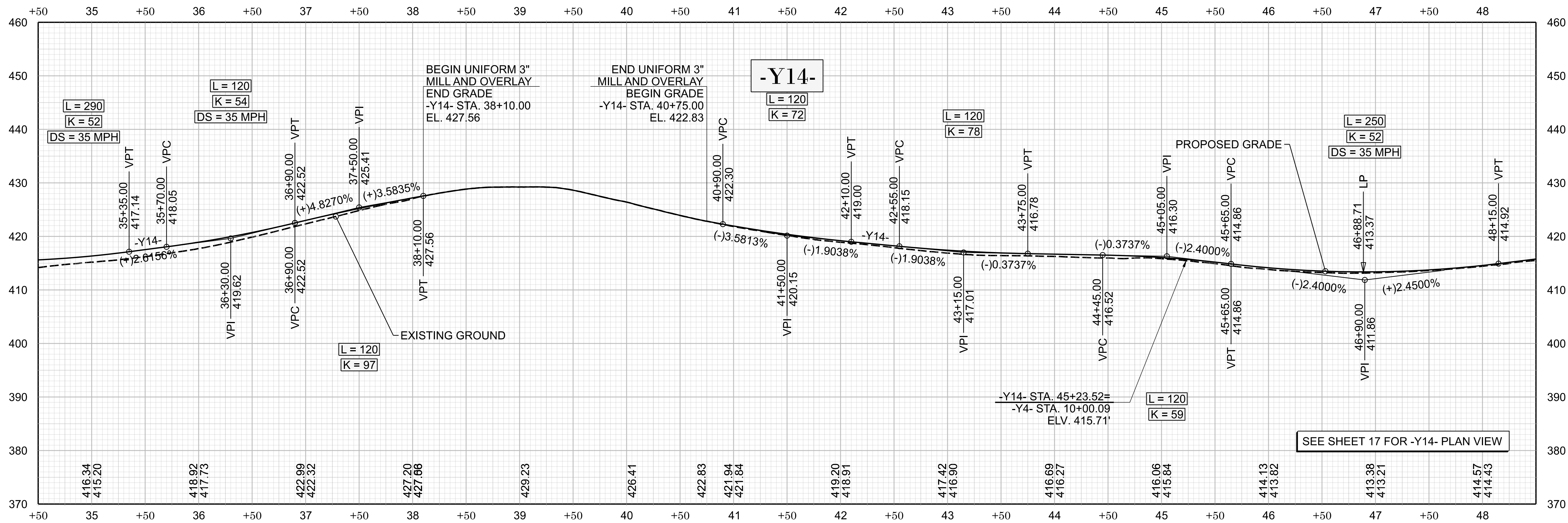
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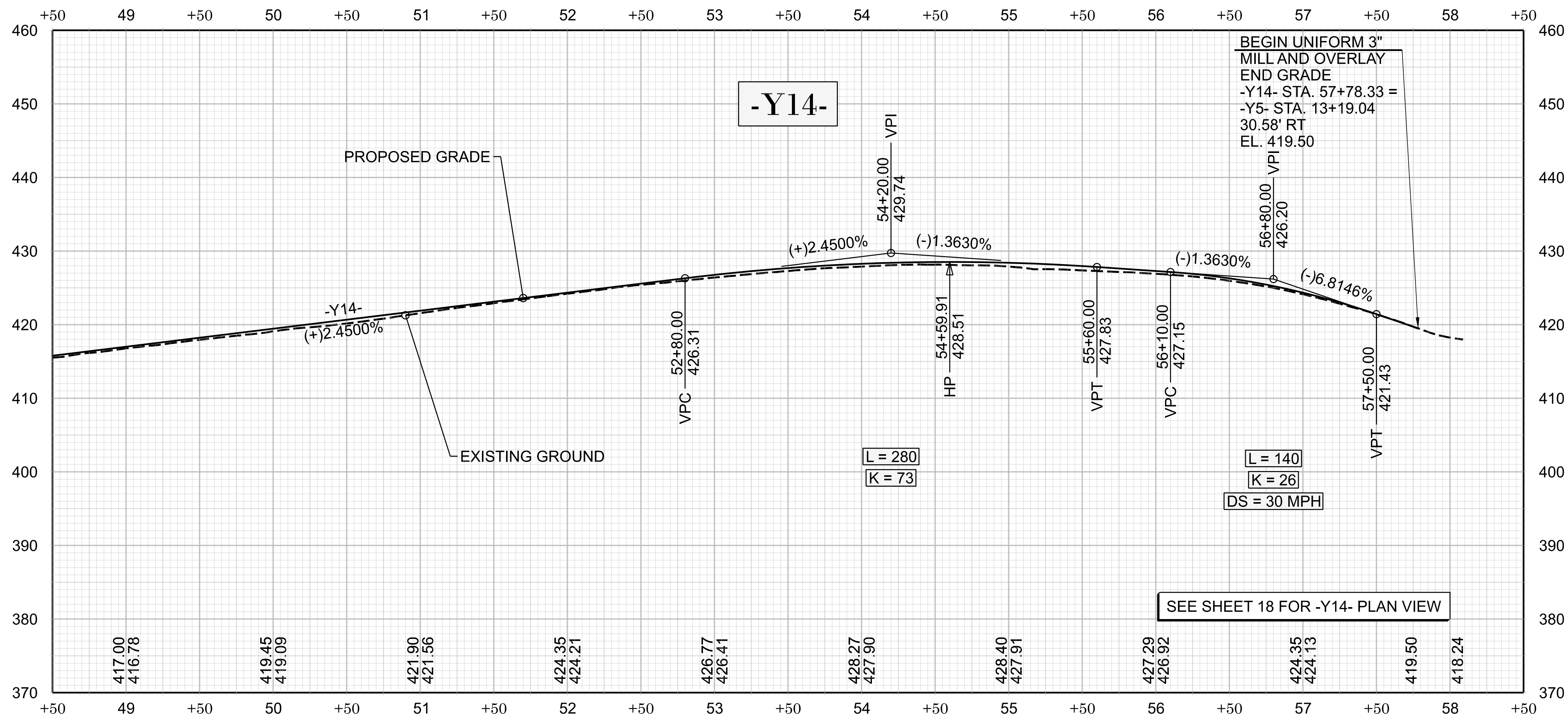
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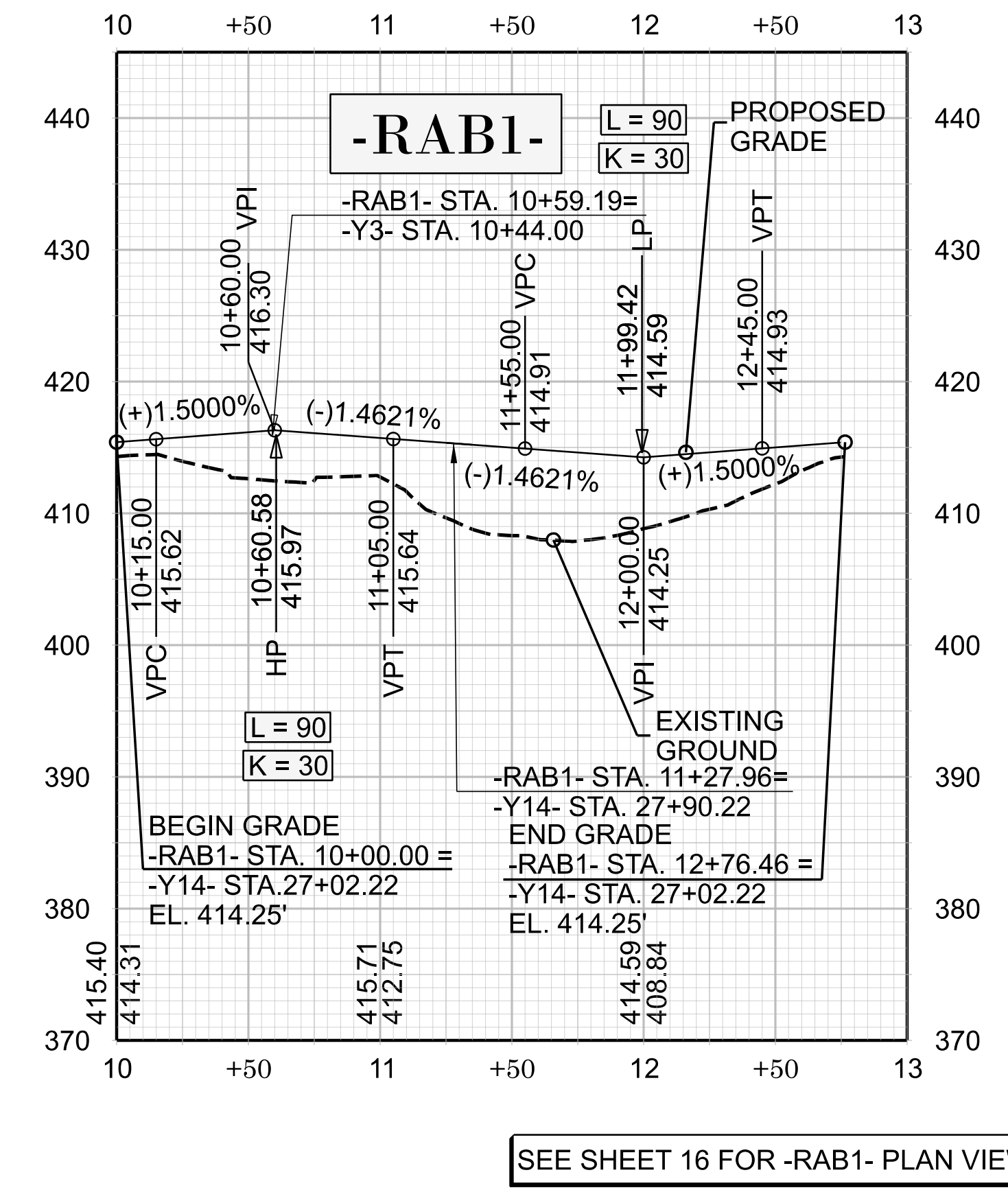
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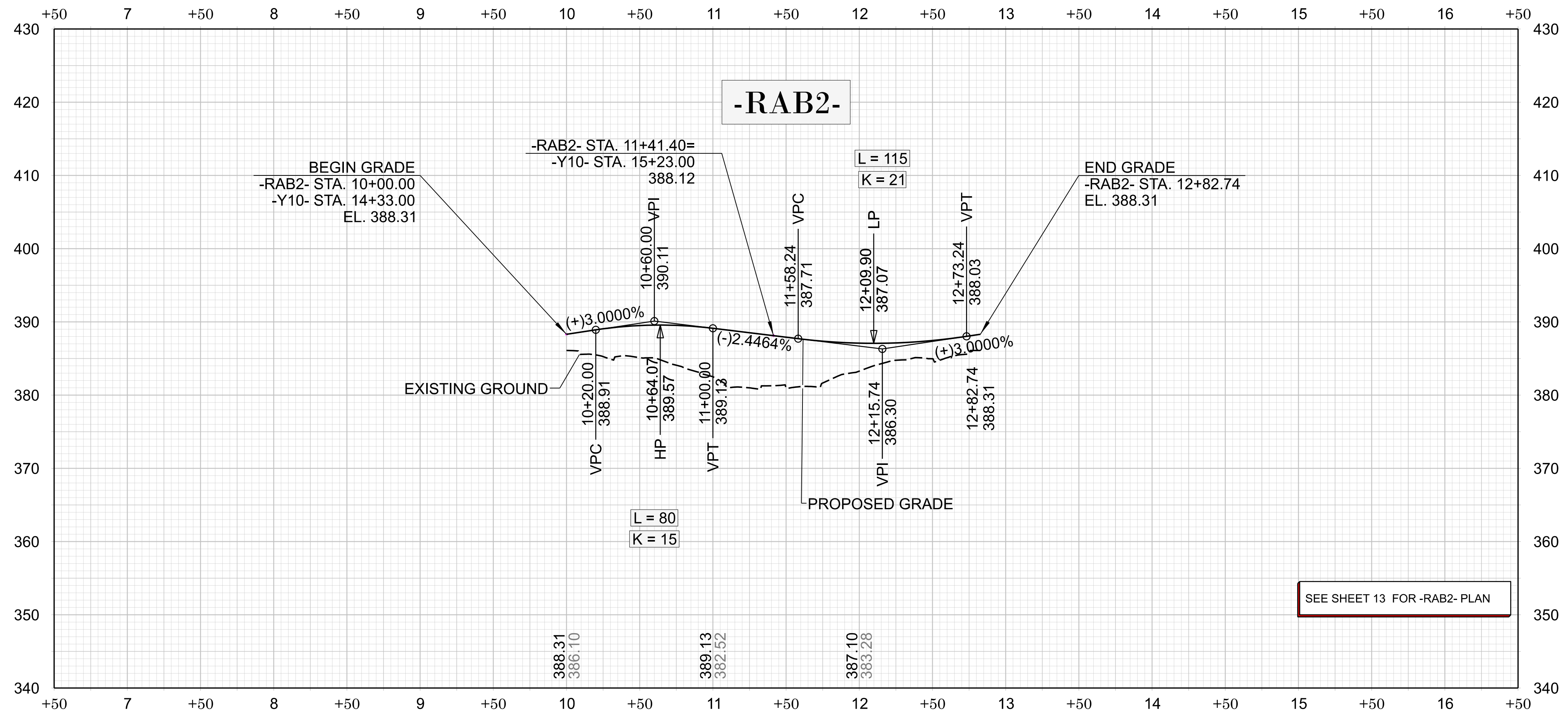
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WAKE COUNTY

ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY

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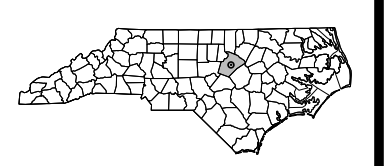
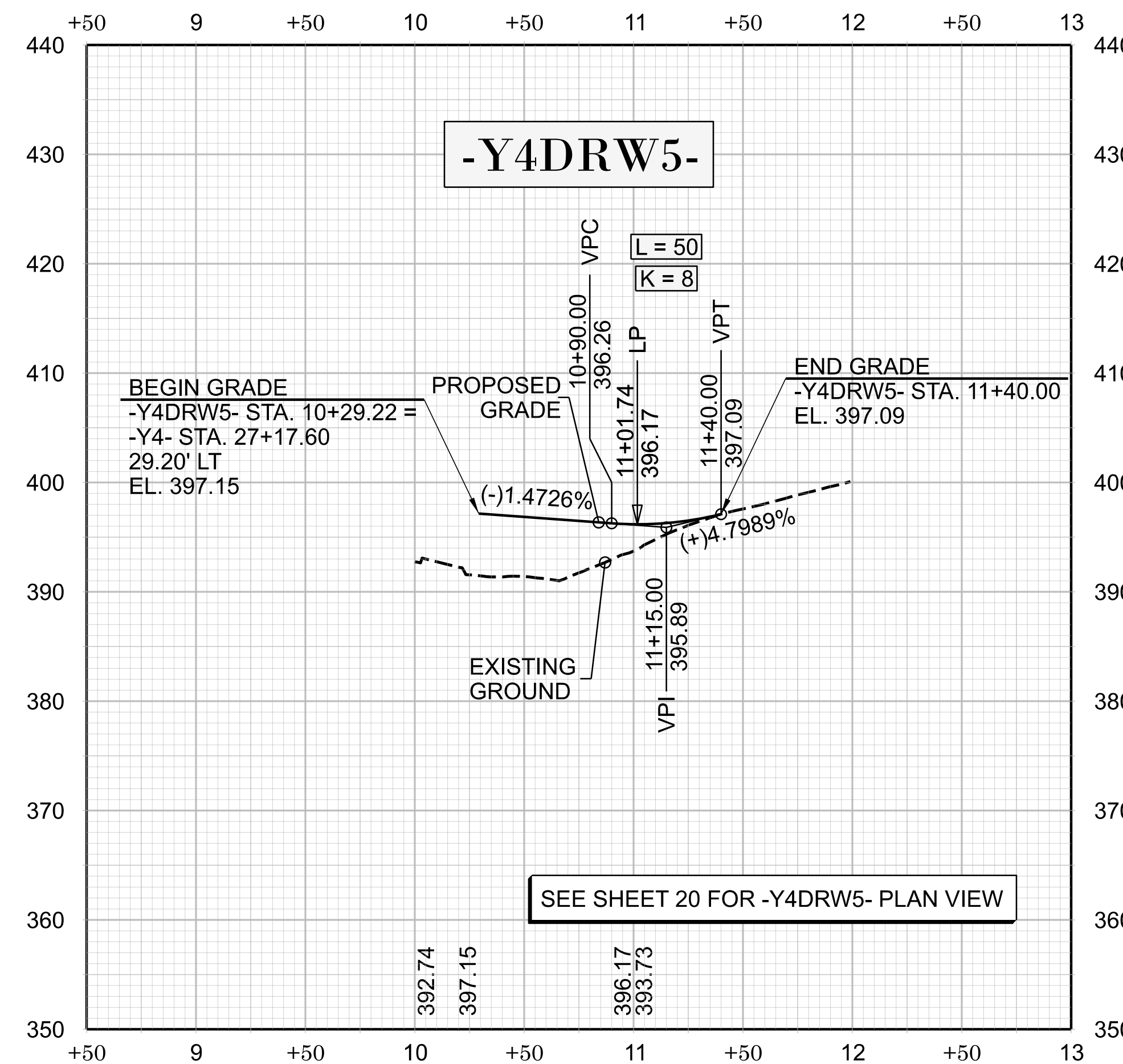
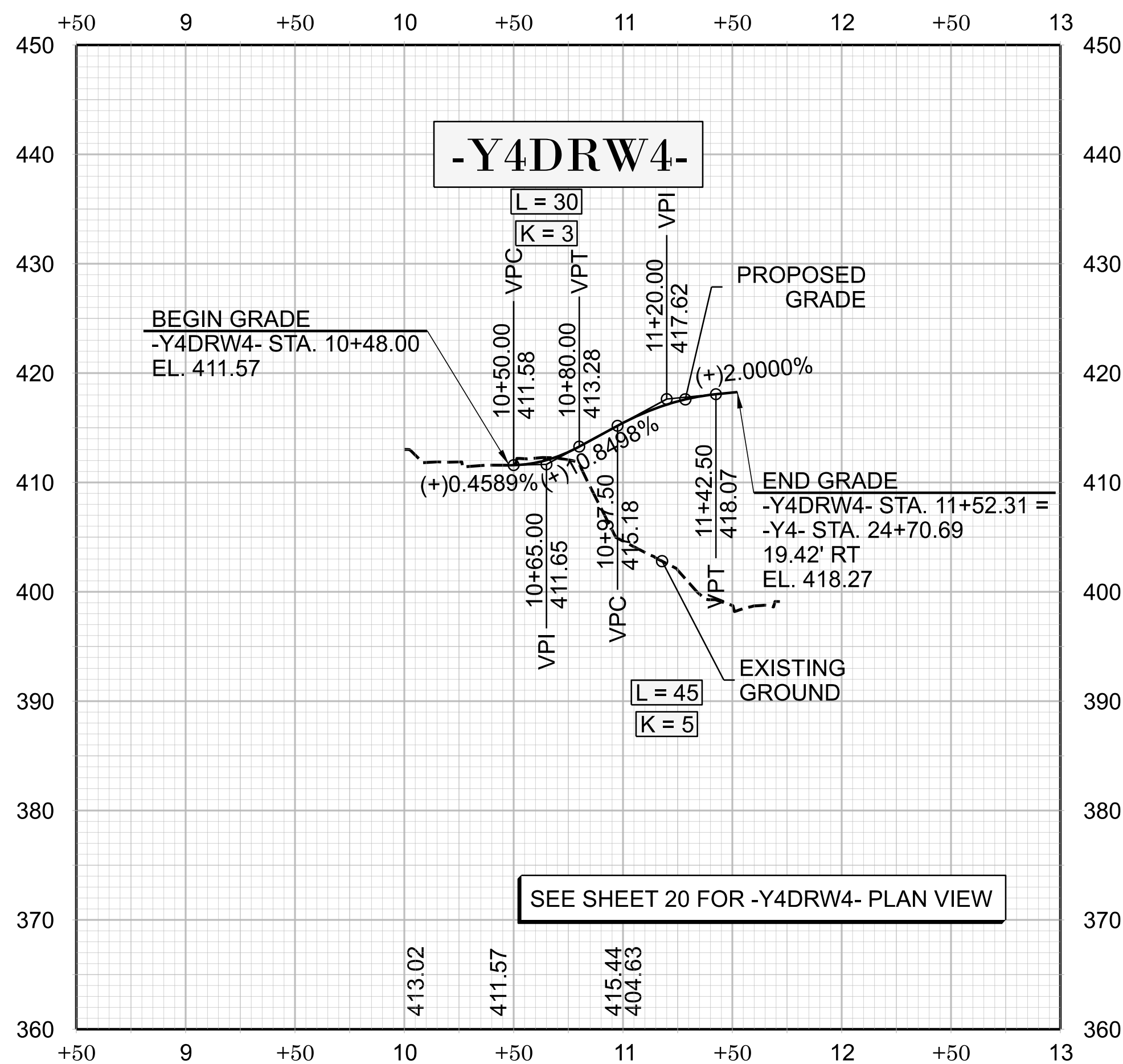
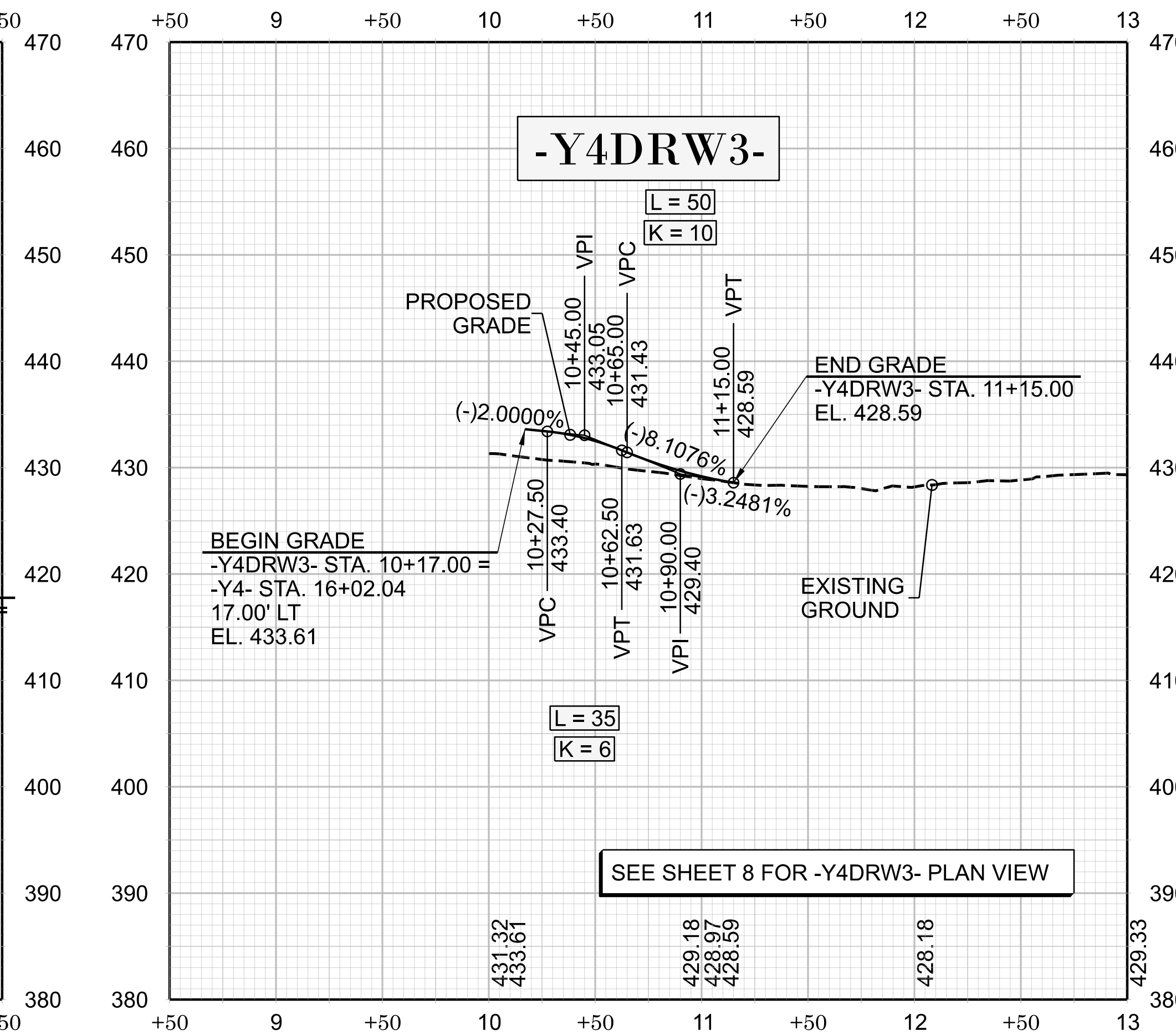
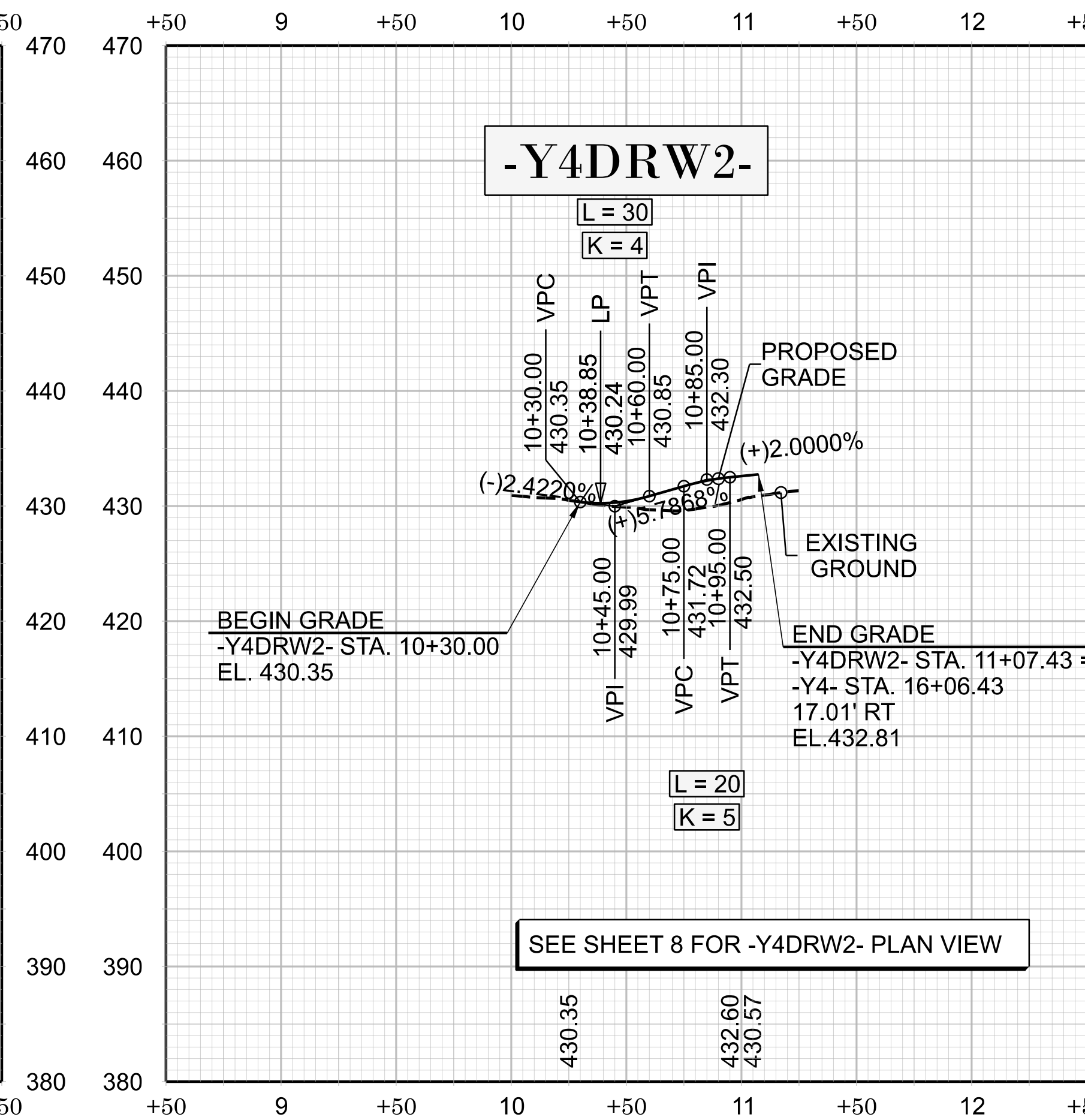
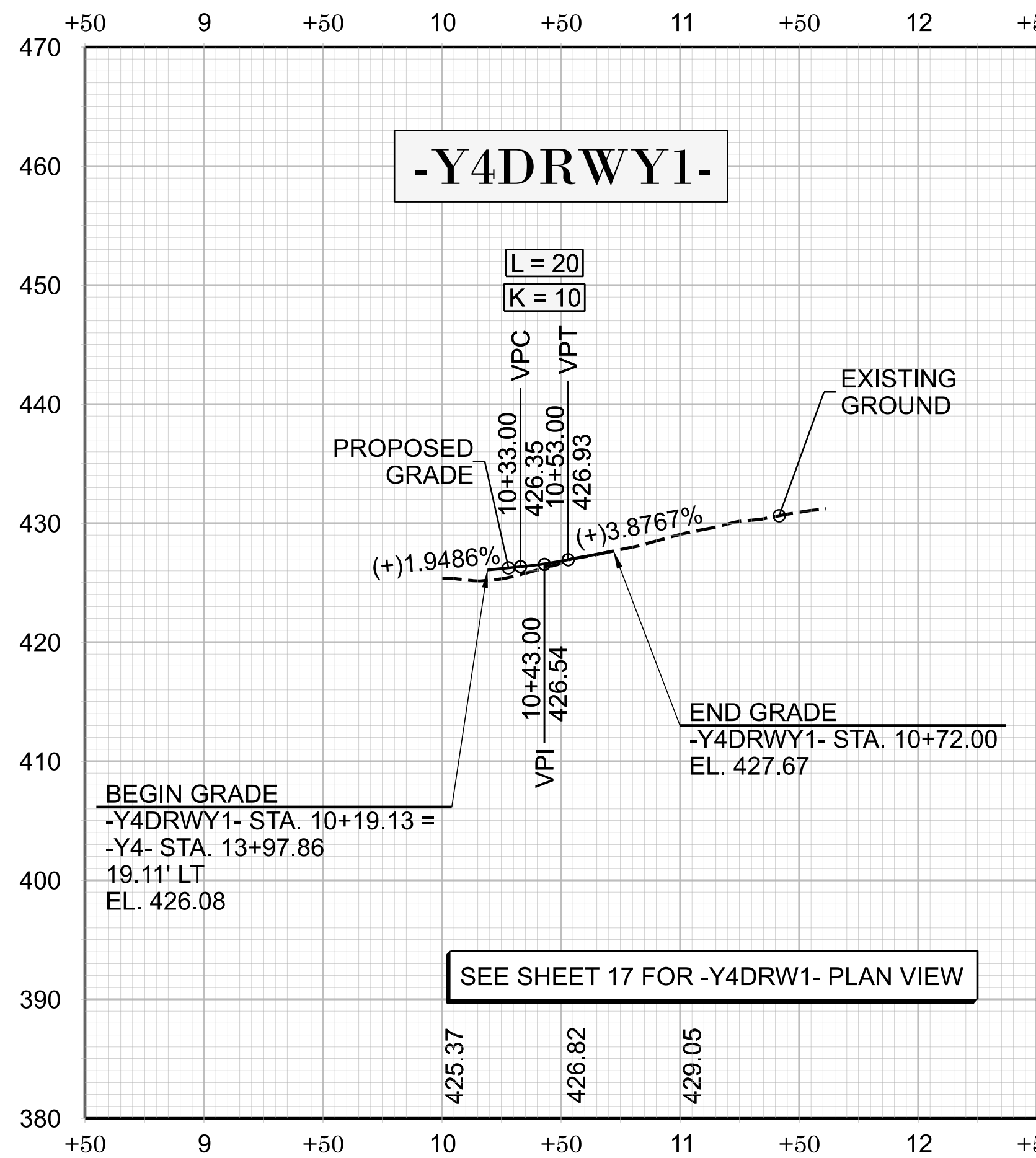
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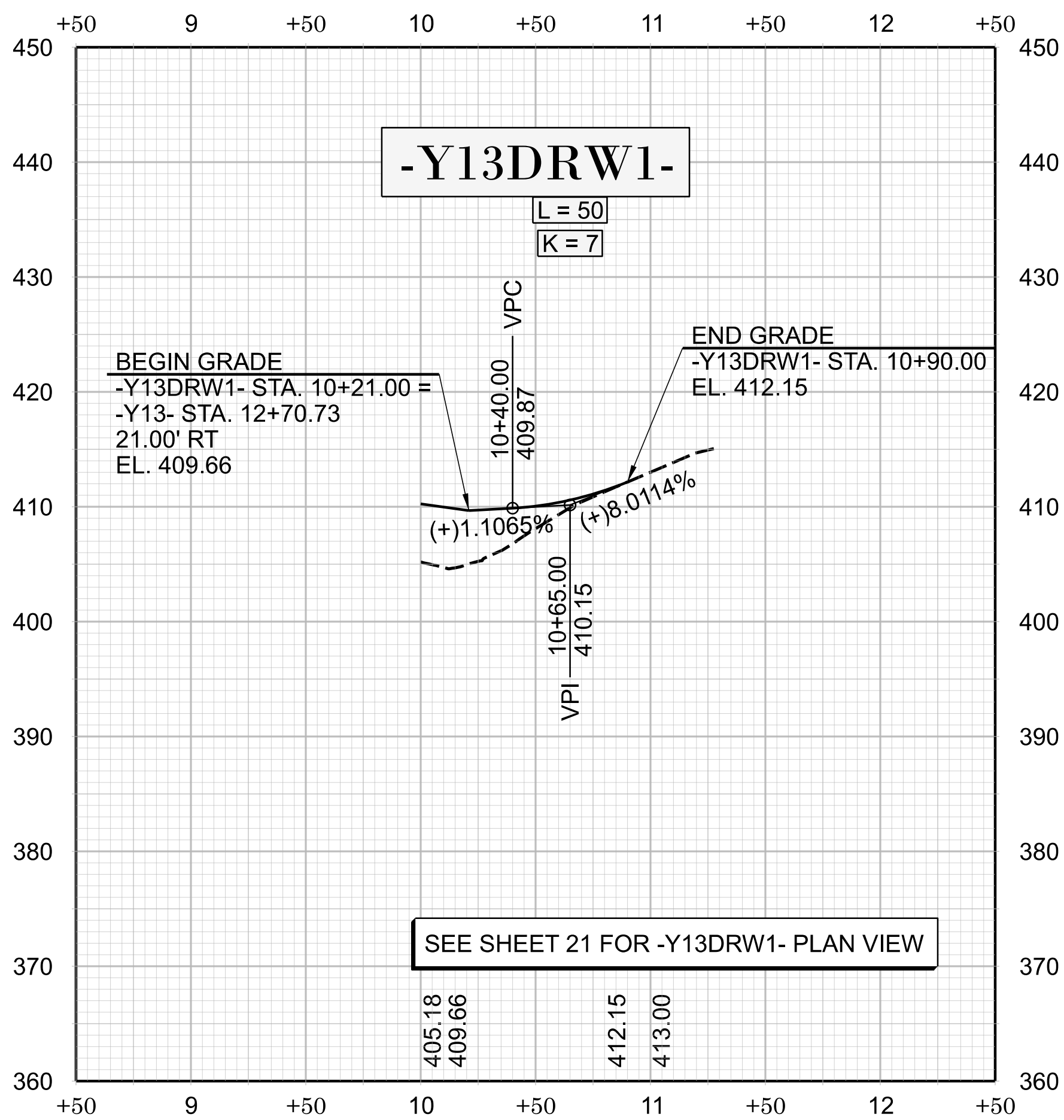
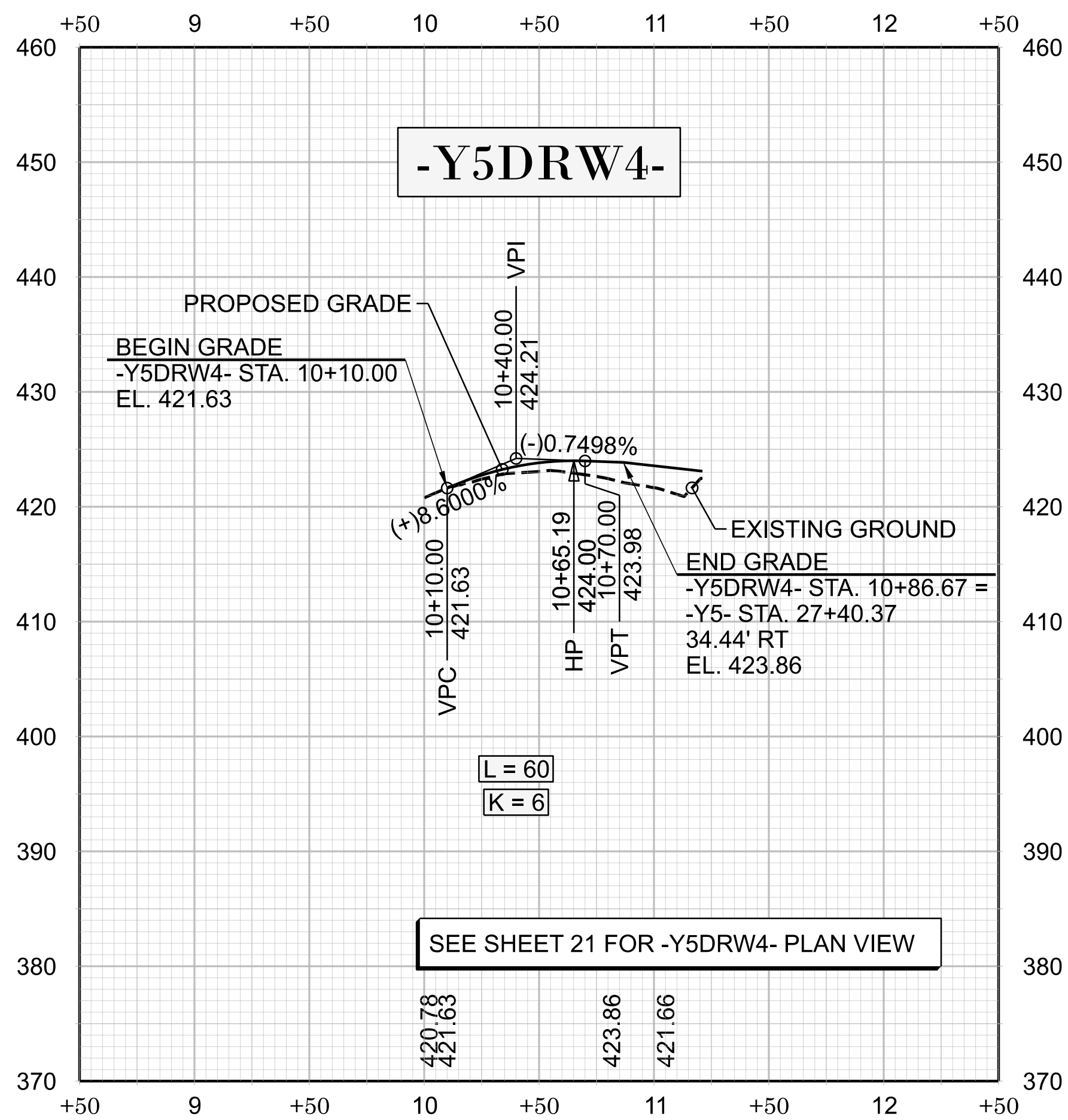
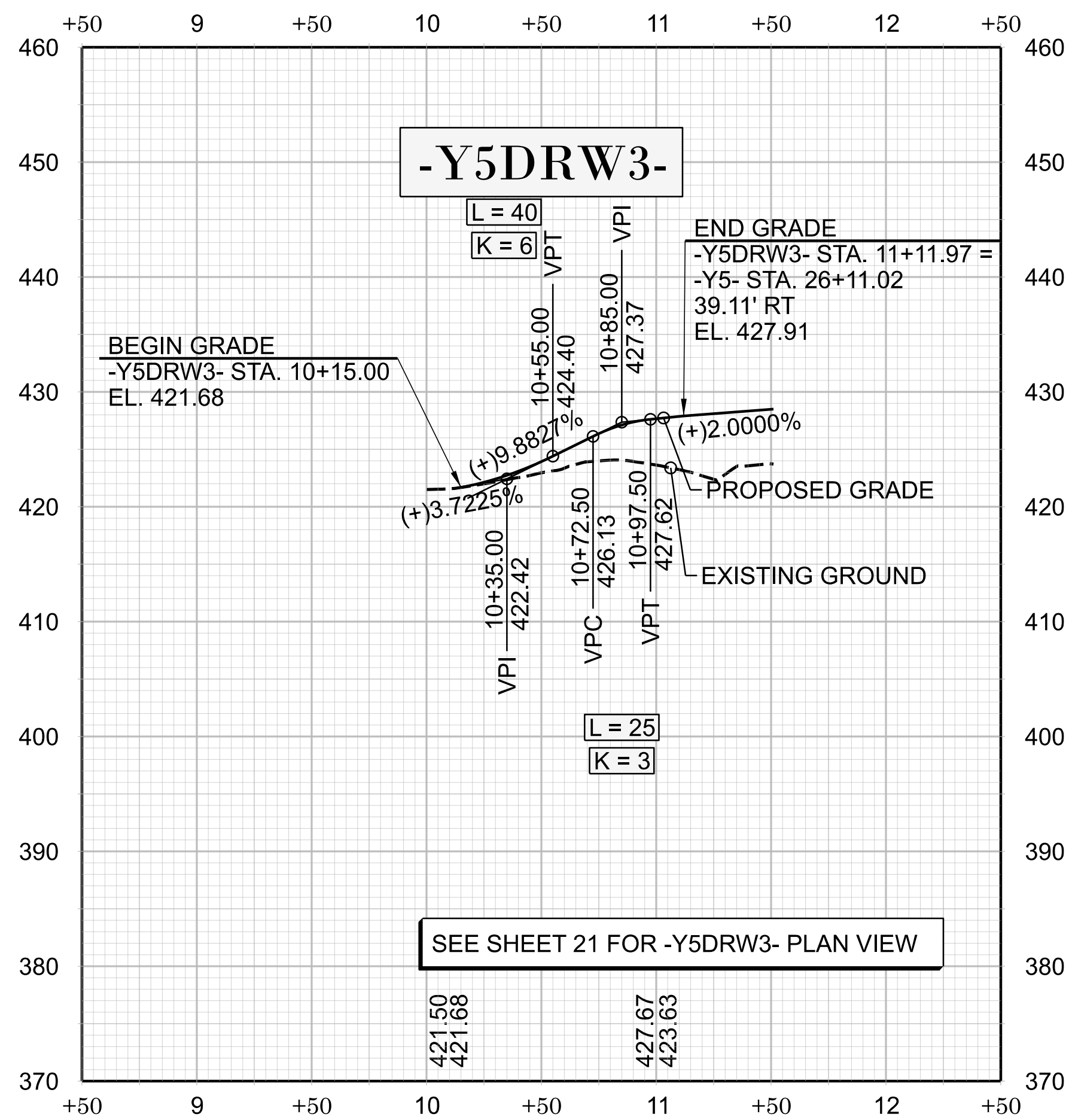
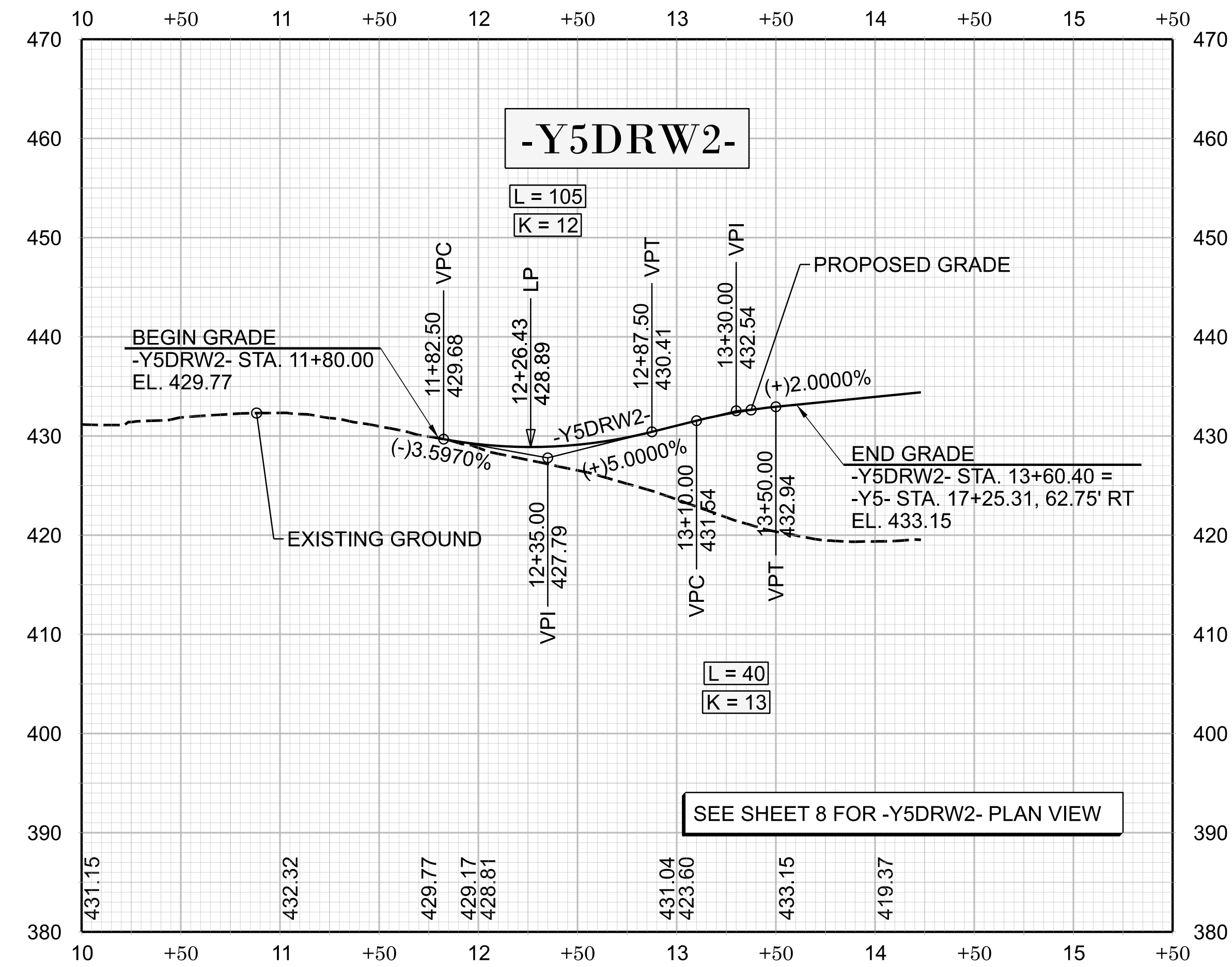
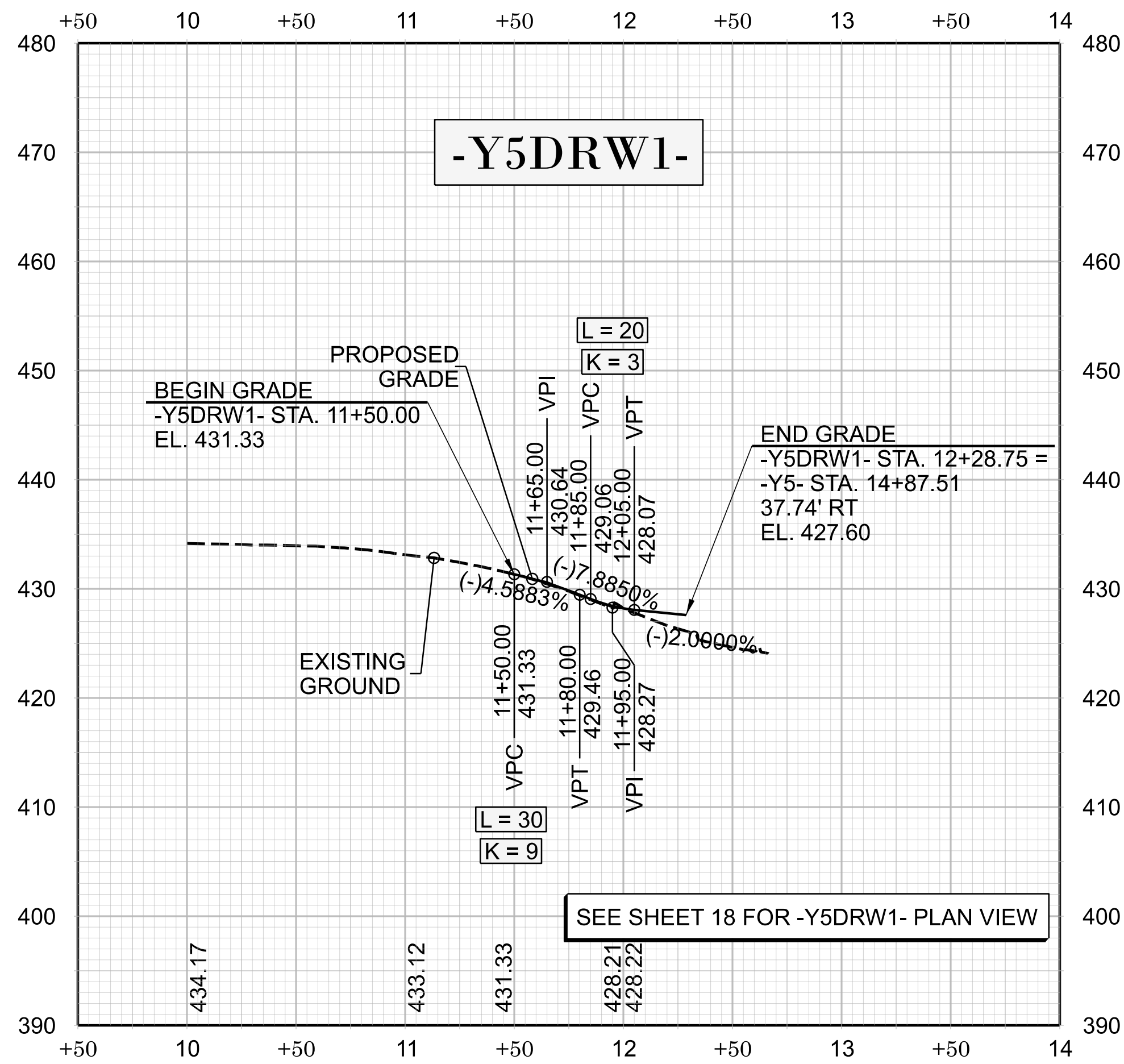


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ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PREPARED BY

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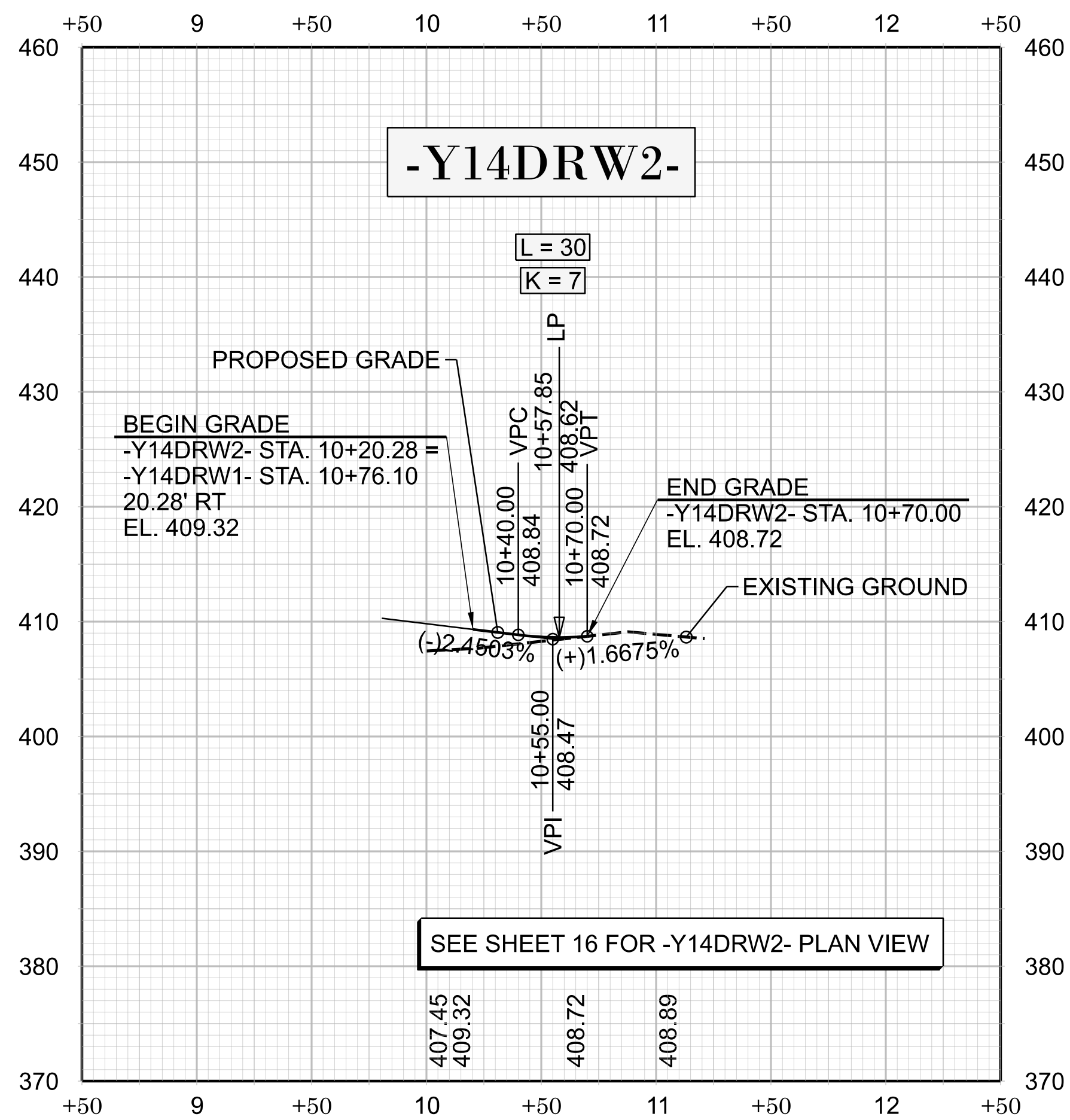
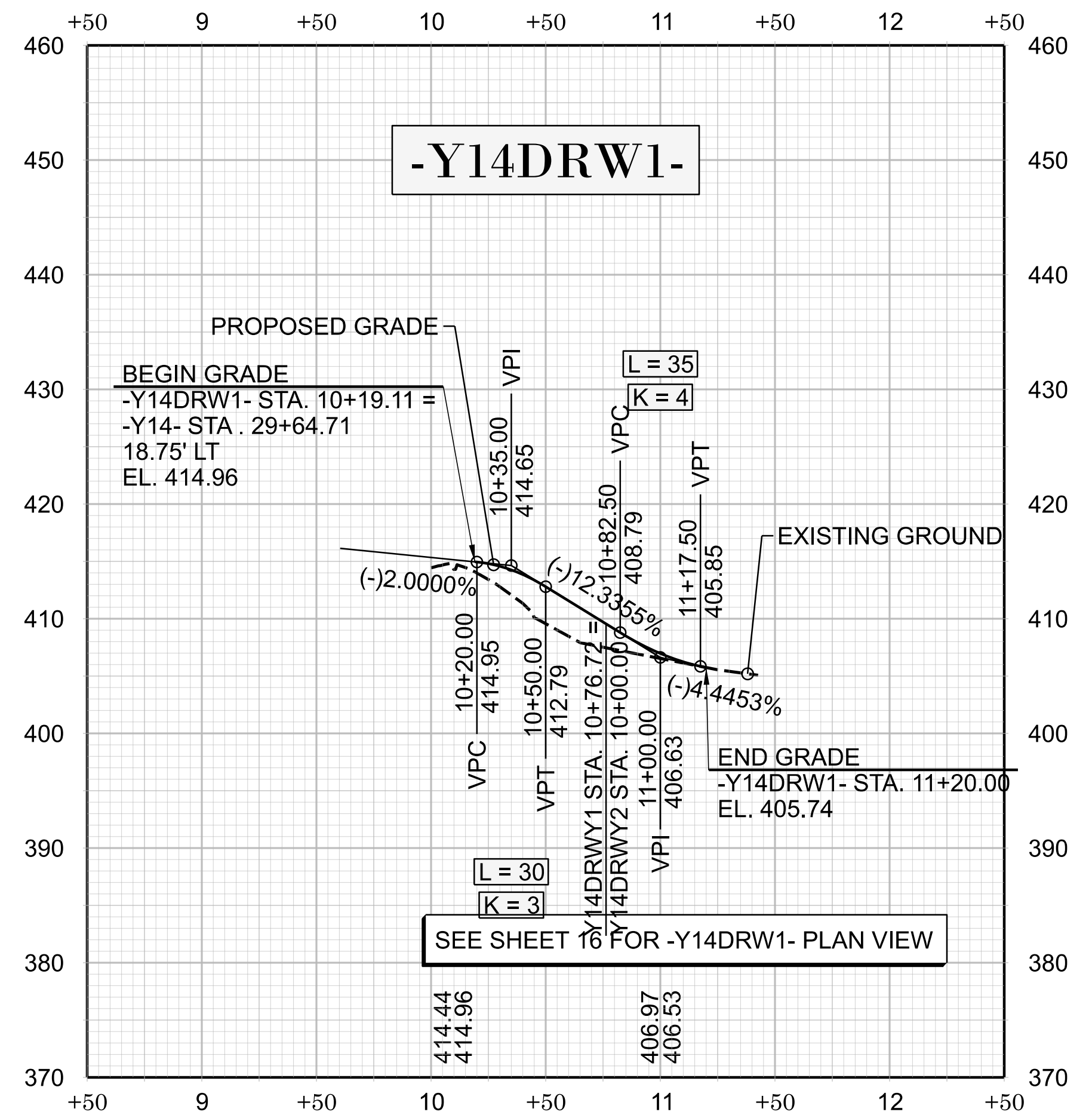
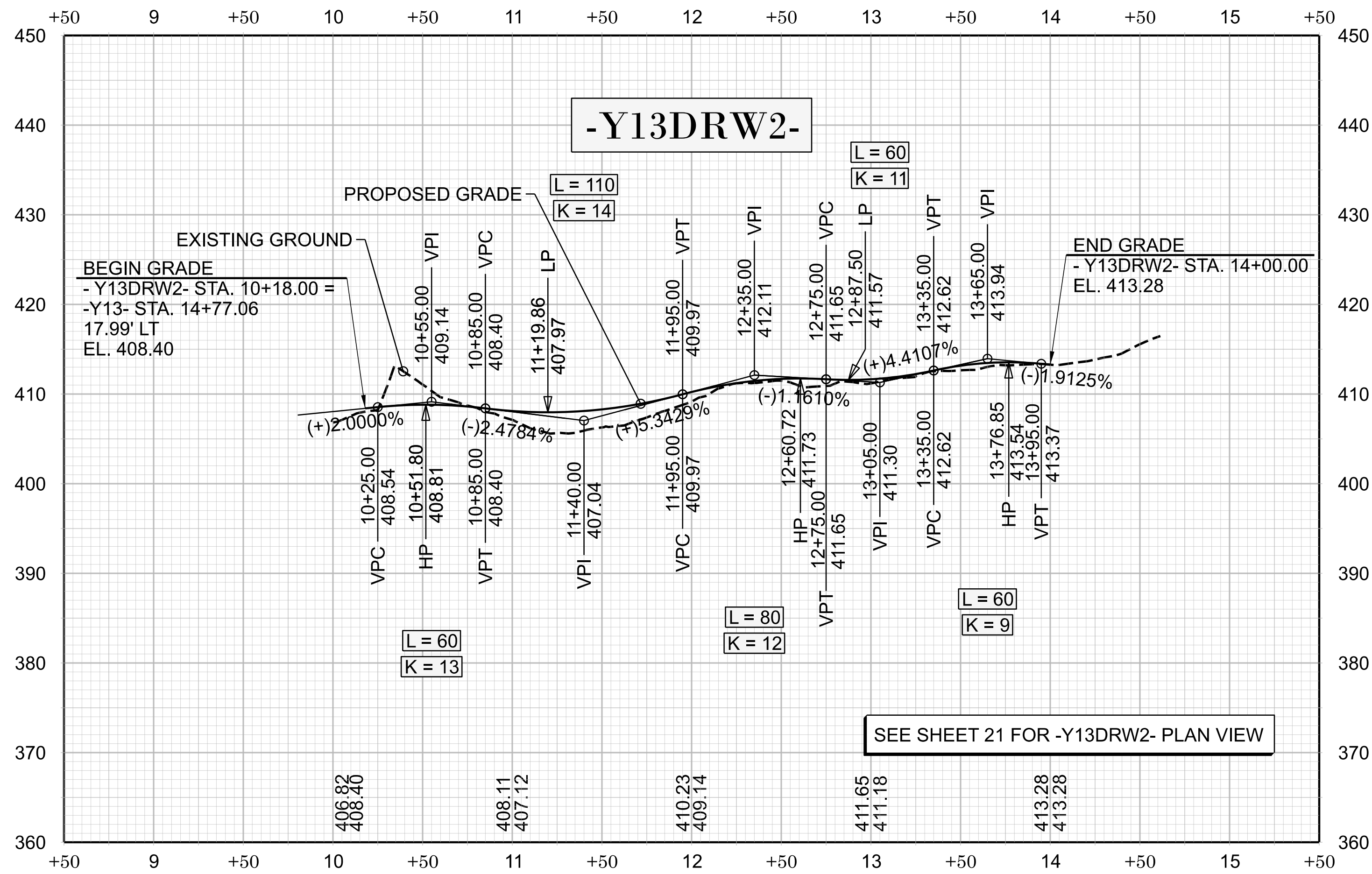
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