

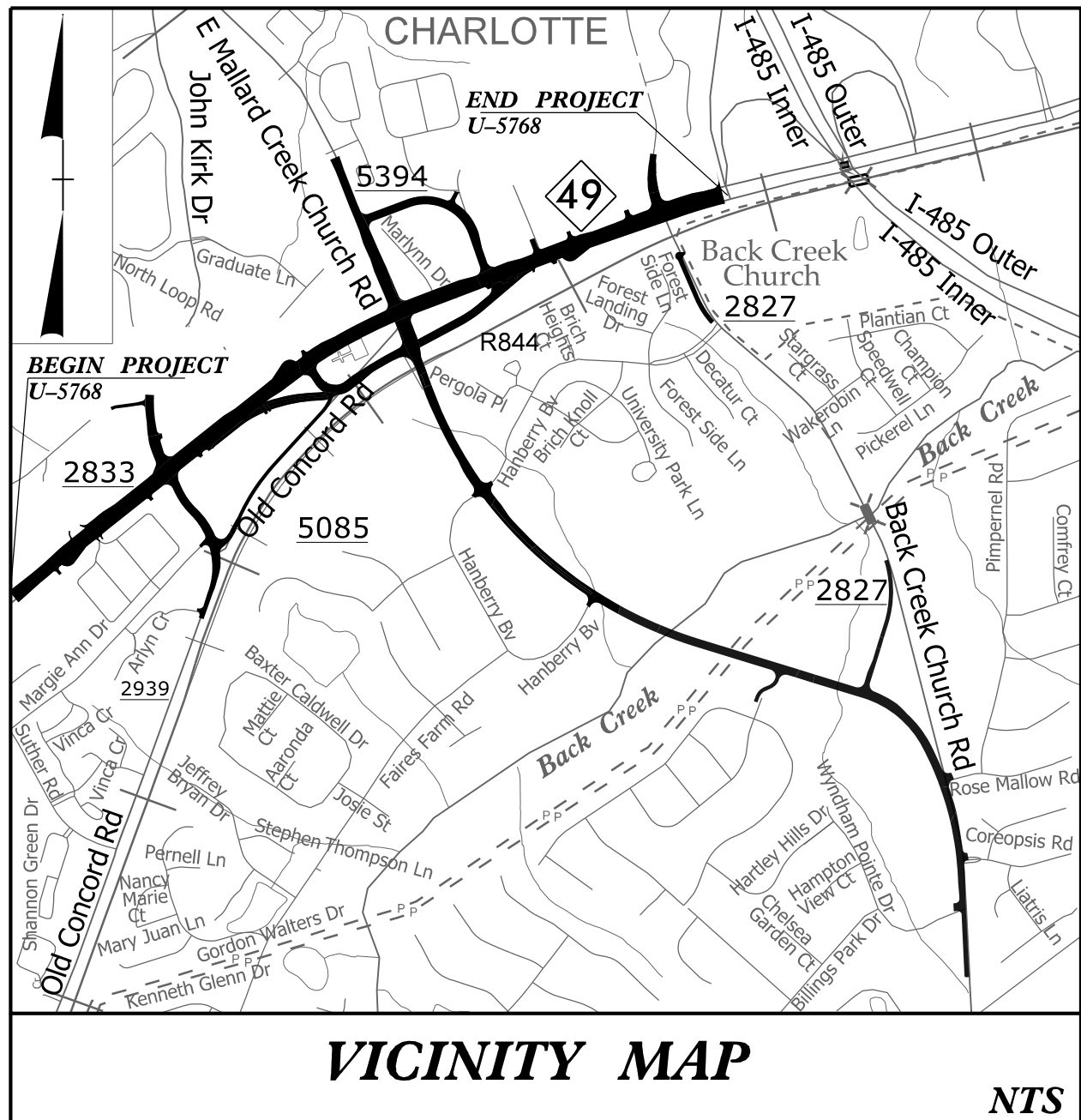
09/08/19

30-AUG-2021 09:56
N:\Roadway\Proj\U5768-RDY-TSH.dgn
HN1B

CONTRACT:

TIP PROJECT: U-5768

See Sheet 1B For Conventional Symbols

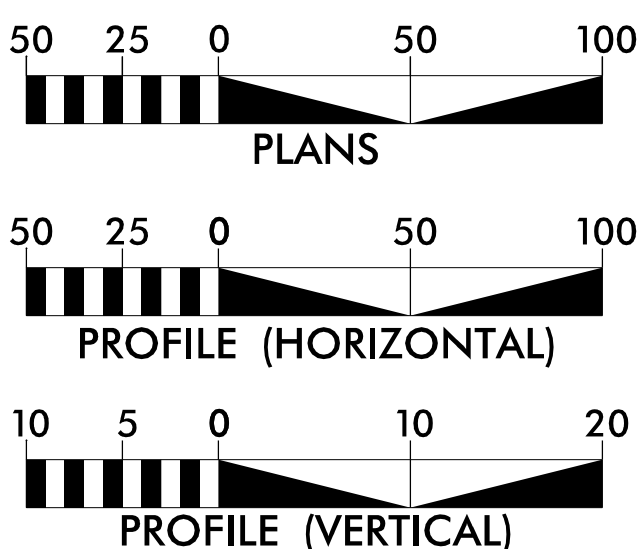


CP4B Plans
9/15/2021

NOTES:

1. CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD _____.
2. THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE CITY OF CHARLOTTE.
3. FULL CONTROL OF ACCESS AT INTERCHANGE AND BULBS ONLY. PARTIAL CONTROL ON QUADRANT ROADWAY.

GRAPHIC SCALES



DESIGN DATA

ADT 2025 = 54,100
ADT 2045 = 70,900
K = 7 %
D = 70 %
T = 4 % *
V = 40 MPH
* TTST=1% DUAL=3%
FUNC CLASS =
PRINCIPAL ARTERIAL
REGIONAL TIER

PROJECT LENGTH

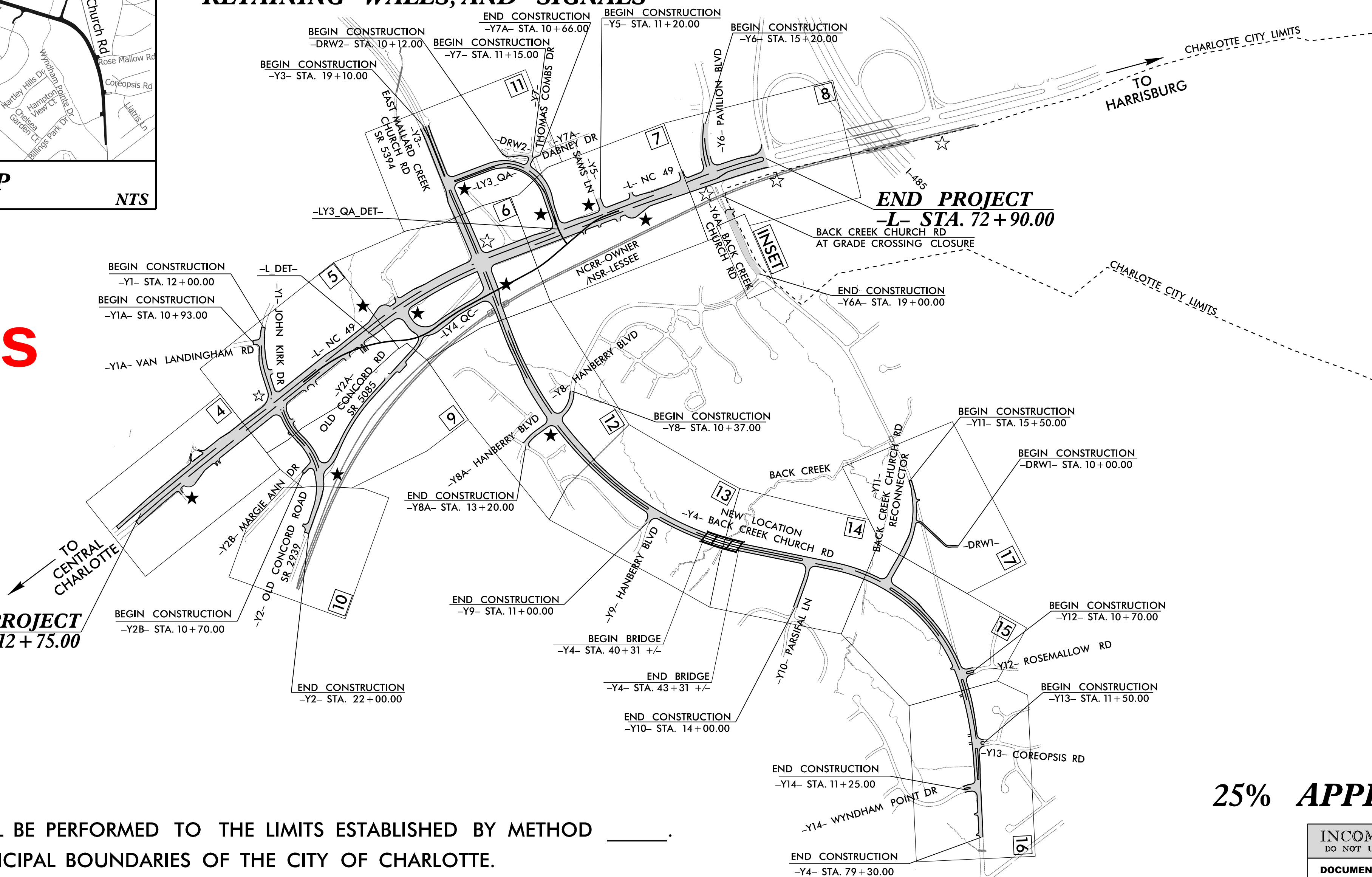
LENGTH OF ROADWAY T.I.P. PROJECT U-5768 = 1.139 MILES
TOTAL LENGTH OF T.I.P. PROJECT U-5768 = 1.139 MILES

ALL LENGTHS BASED ON -L- CENTERLINE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MECKLENBURG COUNTY

LOCATION: NC 49 FROM JOHN KIRK DRIVE TO I-485
BACK CREEK CHURCH RD FROM WYNDHAM POINTE DR TO NC 49
TYPE OF WORK: GRADING, PAVING, DRAINAGE, STRUCTURES
RETAINING WALLS, AND SIGNALS



25% APPROVED PLANS

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

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5768	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50181.1.R1		P.E.	

★ EXISTING SIGNAL
★ PROPOSED SIGNAL

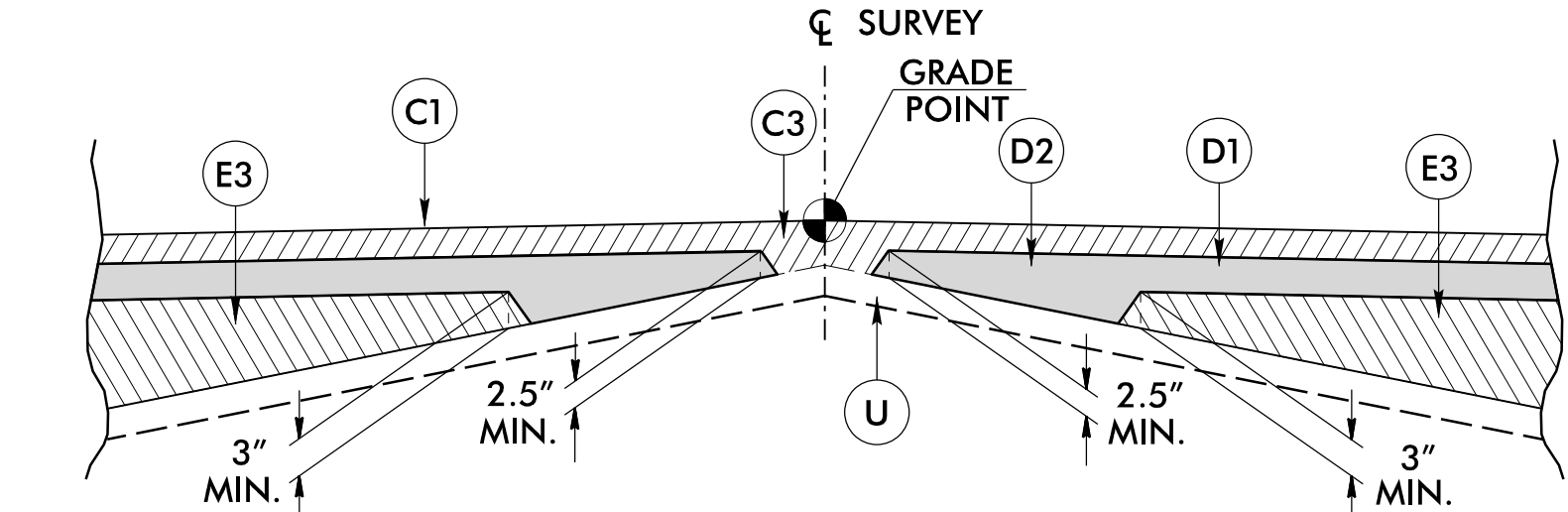
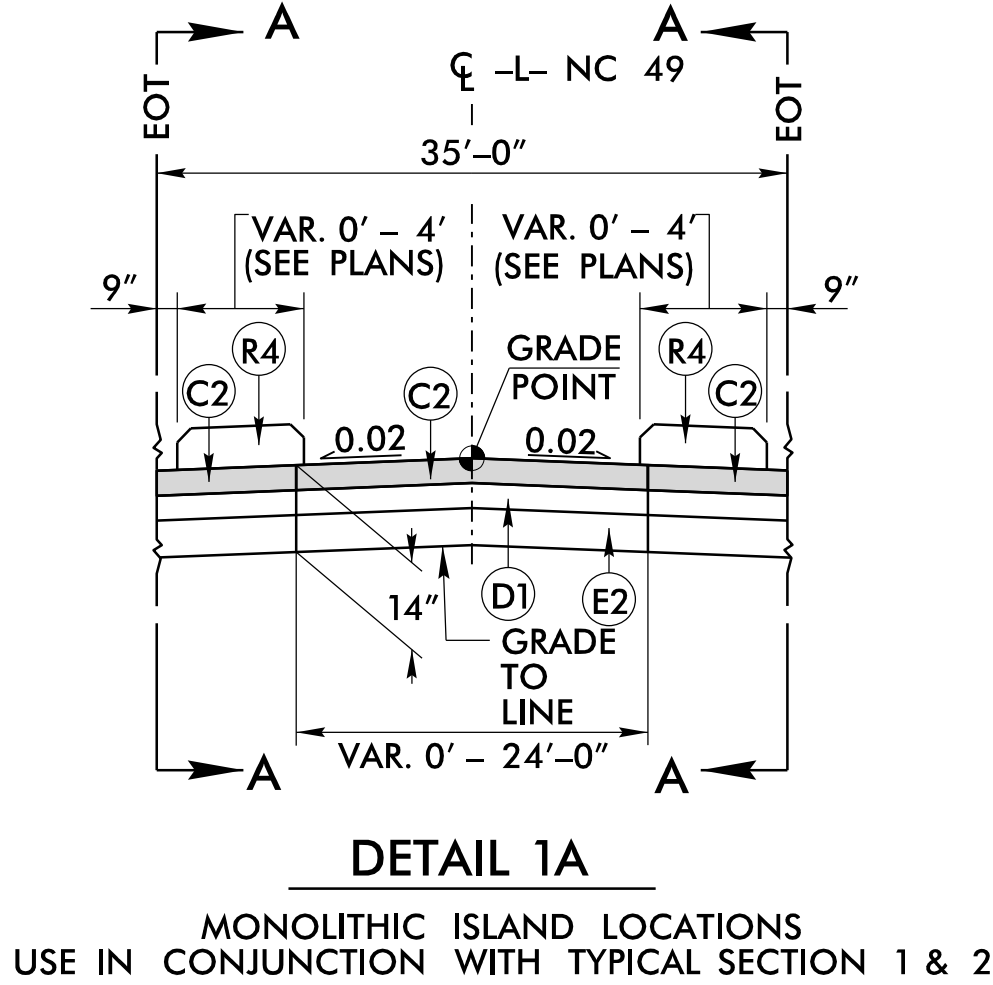


5/14/99

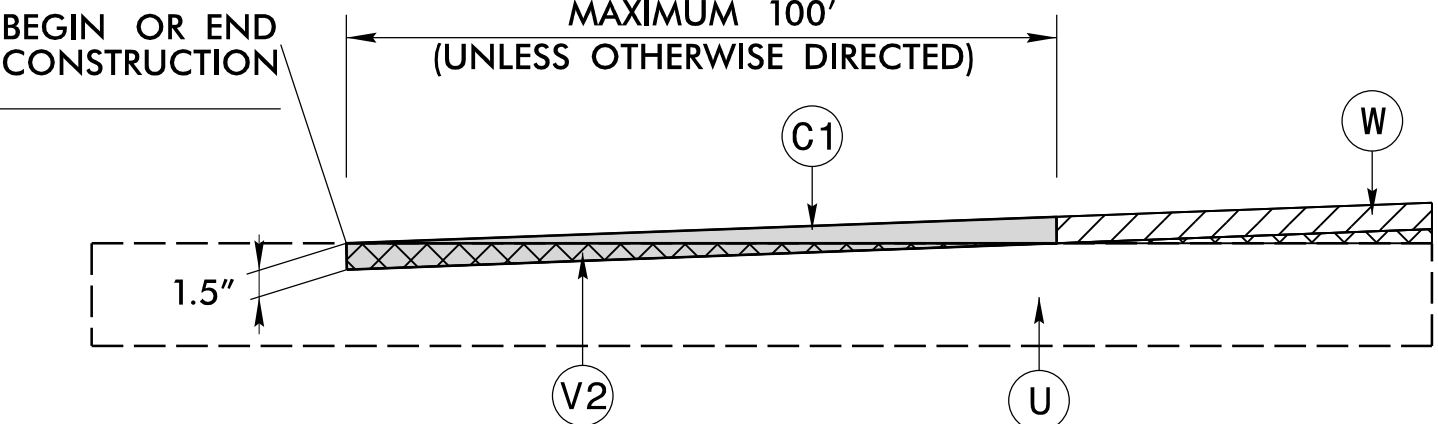
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HNTB

AWAITING FINAL PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. PLACED IN TWO LAYERS.
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 1.5" IN DEPTH OR GREATER THAN 2" IN DEPTH.
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
D2	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2½" IN DEPTH OR GREATER THAN 4" IN DEPTH.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 399 LBS. PER SQ. YD. PLACED IN TWO LAYERS.
E3	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5½" IN DEPTH.
J1	7" AGGREGATE BASE COURSE.
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	1'-6" CONCRETE CURB AND GUTTER.
R3	2'-9" CONCRETE CURB AND GUTTER.
R4	5" MONOLITHIC CONCRETE ISLAND (KEYED IN).
S1	4" CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V1	MILLING BITUMINOUS PAVEMENT 1.5".
V2	INCIDENTAL MILLING .
W	VARIABLE DEPTH ASPHALT PAVEMENT. (SEE DETAIL NO. 1 SHOWING METHOD OF WEDGING)

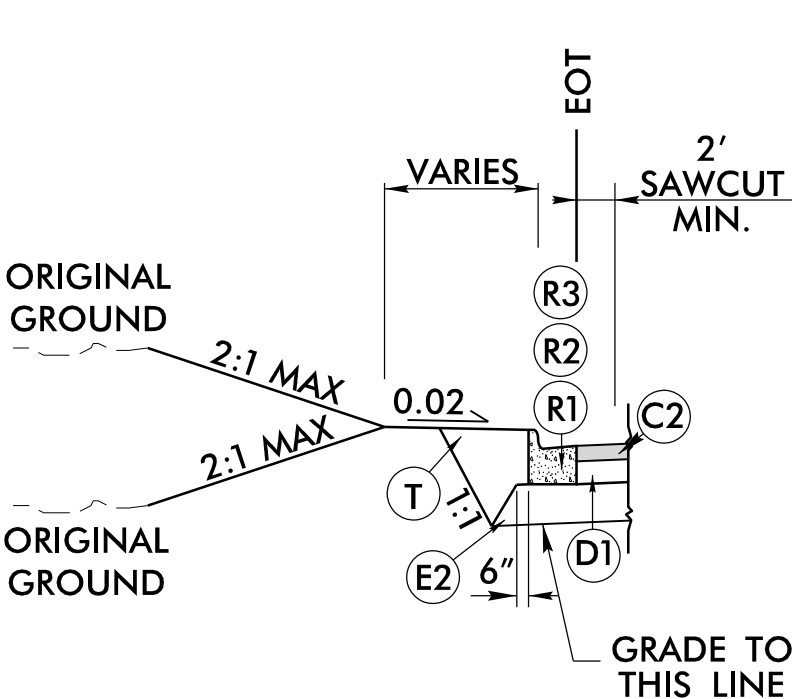
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



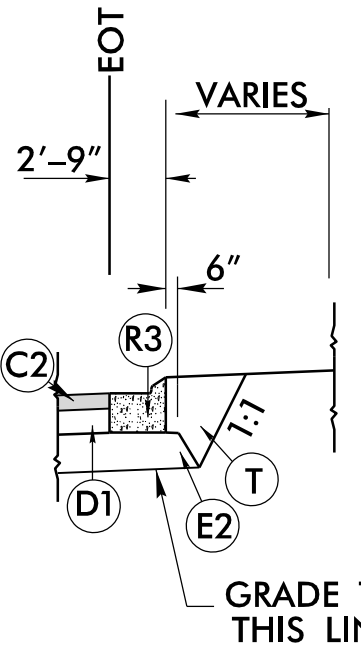
DETAIL SHOWING METHOD OF WEDGING NO.1



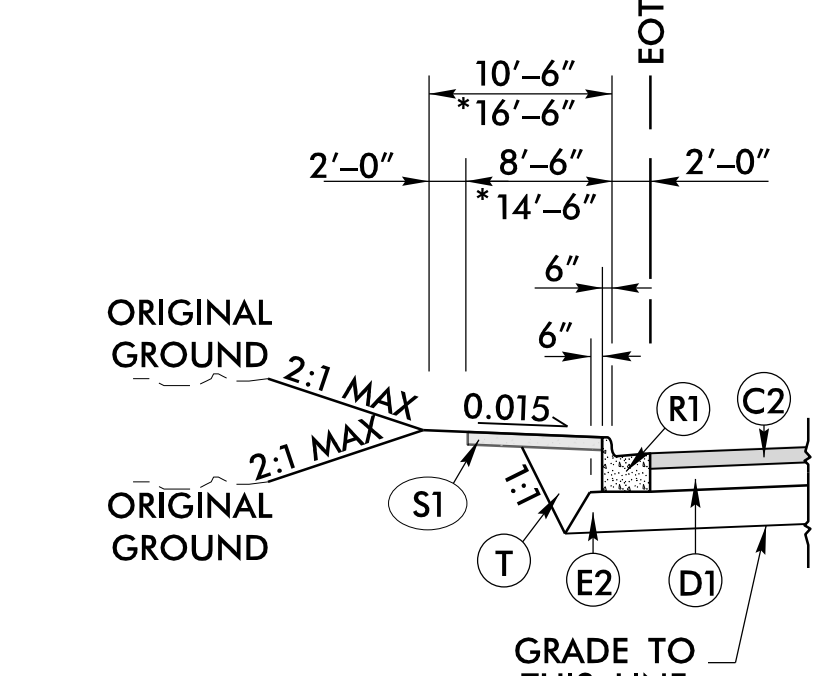
INCIDENTAL MILLING DETAIL
TO BE USED AT ALL TIE-IN LOCATIONS
MIRROR FOR OPPOSITE DIRECTION



CONCRETE CURB SAWCUT DETAIL
ALL CURBING LOCATIONS
MIRROR FOR OPPOSITE DIRECTION
SEE PLANS FOR LOCATIONS

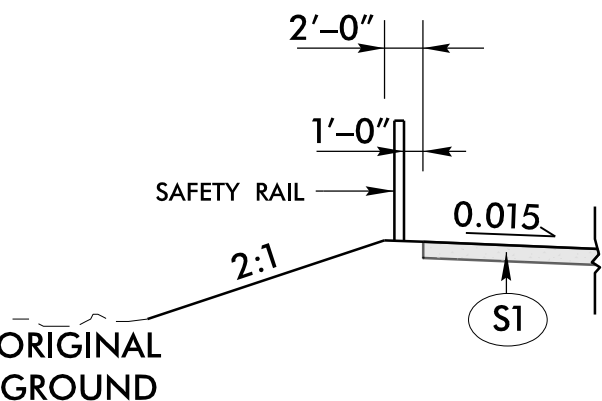


MEDIAN CURB DETAIL
ALL 2'-9" CURBING LOCATIONS
MIRROR FOR OPPOSITE DIRECTION
USE CONCRETE CURB DETAIL IN
CONJUNCTION WITH TYPICAL SECTIONS
3, 9, 14, & 17
SEE PLANS FOR LOCATIONS



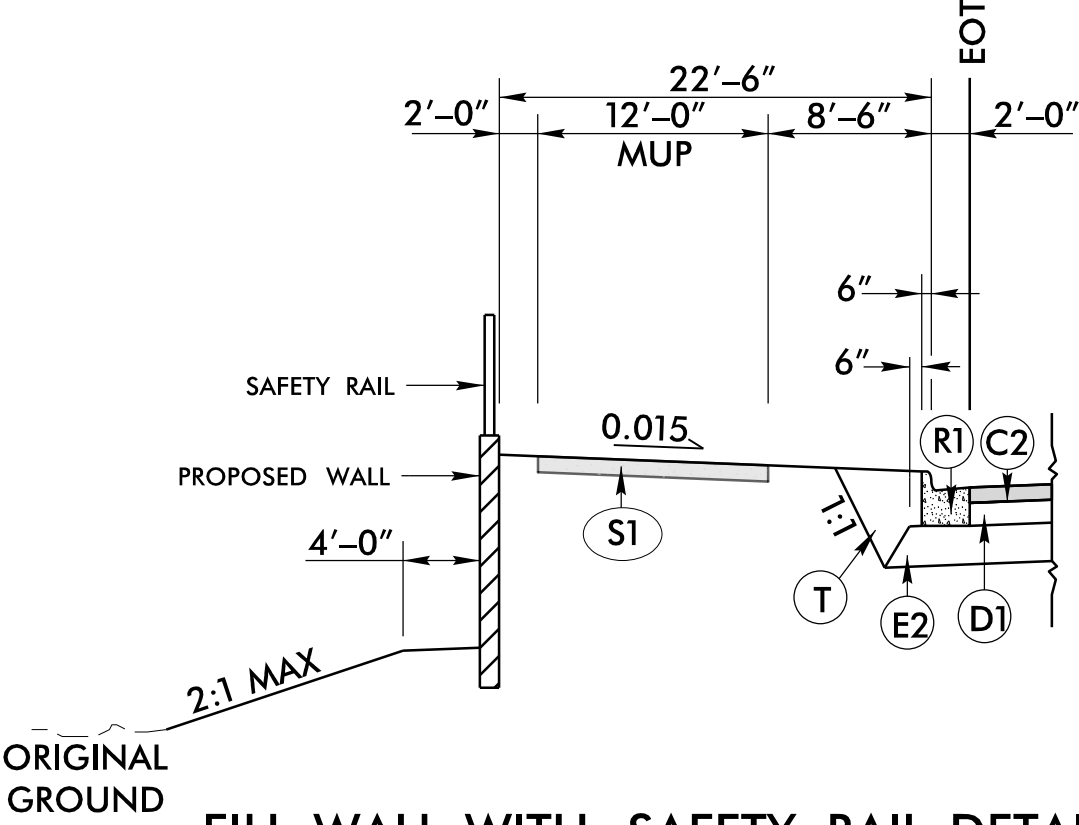
SIDEWALK AT
BACK OF CURB DETAIL

MIRROR FOR OPPOSITE DIRECTION
USE SIDEWALK AT
BACK OF CURB DETAIL IN CONJUNCTION
WITH TYPICAL SECTIONS NO. 7 & 13
-Y2- STA. 10+52.28 TO STA. 12+56.98 RT
*-Y4- STA. 12+60.00 TO STA. 14+80.00 LT & RT



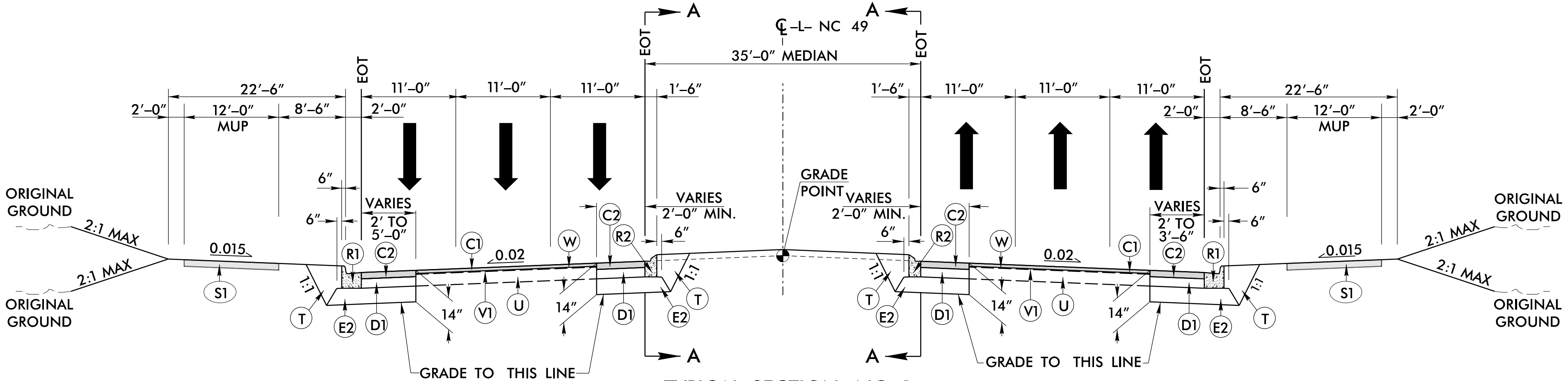
SAFETY RAIL DETAIL
MIRROR FOR OPPOSITE DIRECTION

USE SAFETY RAIL DETAIL IN
CONJUNCTION WITH TYPICAL SECTIONS
1, 2, 13, 14, 17, & 27
SEE PLANS FOR LOCATIONS



FILL WALL WITH SAFETY RAIL DETAIL

ALL WALL LOCATIONS
MIRROR FOR OPPOSITE DIRECTION
USE FILL WALL WITH SAFETY RAIL DETAIL
IN CONJUNCTION WITH TYPICAL
SECTIONS NO. 2 & 13
-L- STA. 34+50.00 TO STA. 37+70.31 LT
-Y3- STA. 20+00.00 TO STA. 21+10.00 RT



TYPICAL SECTION NO. 1

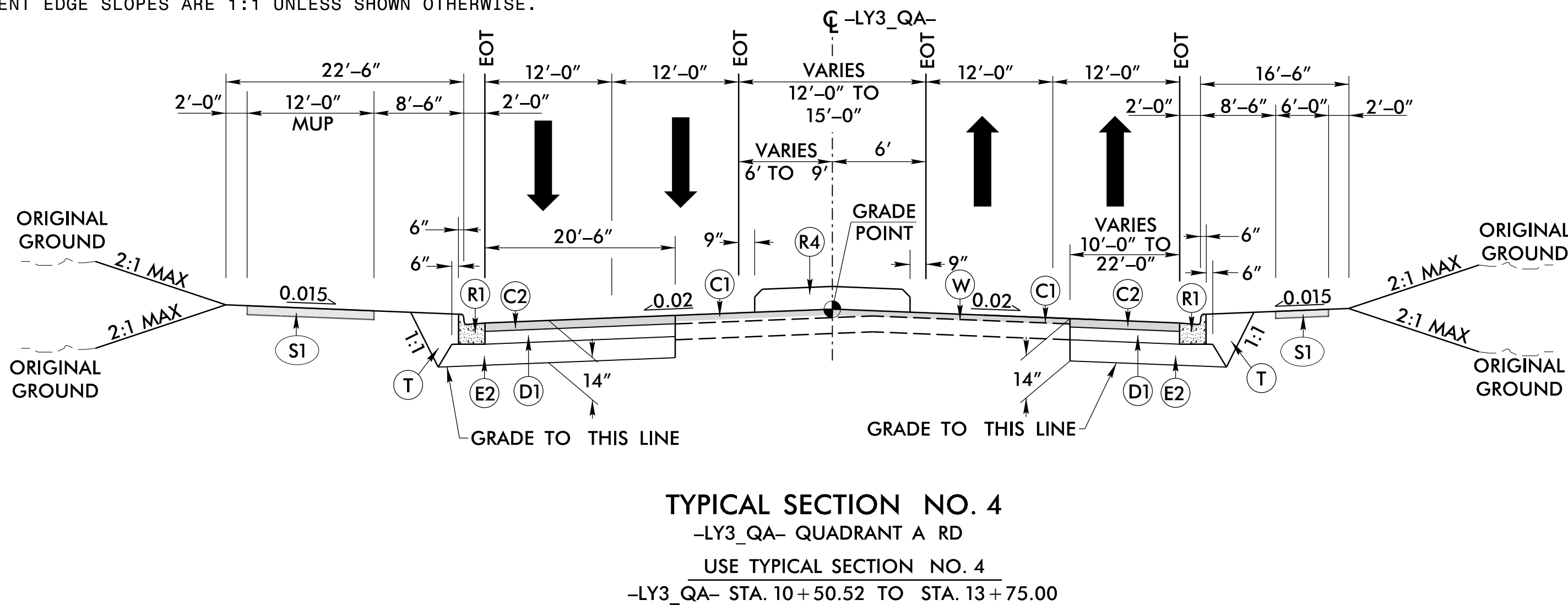
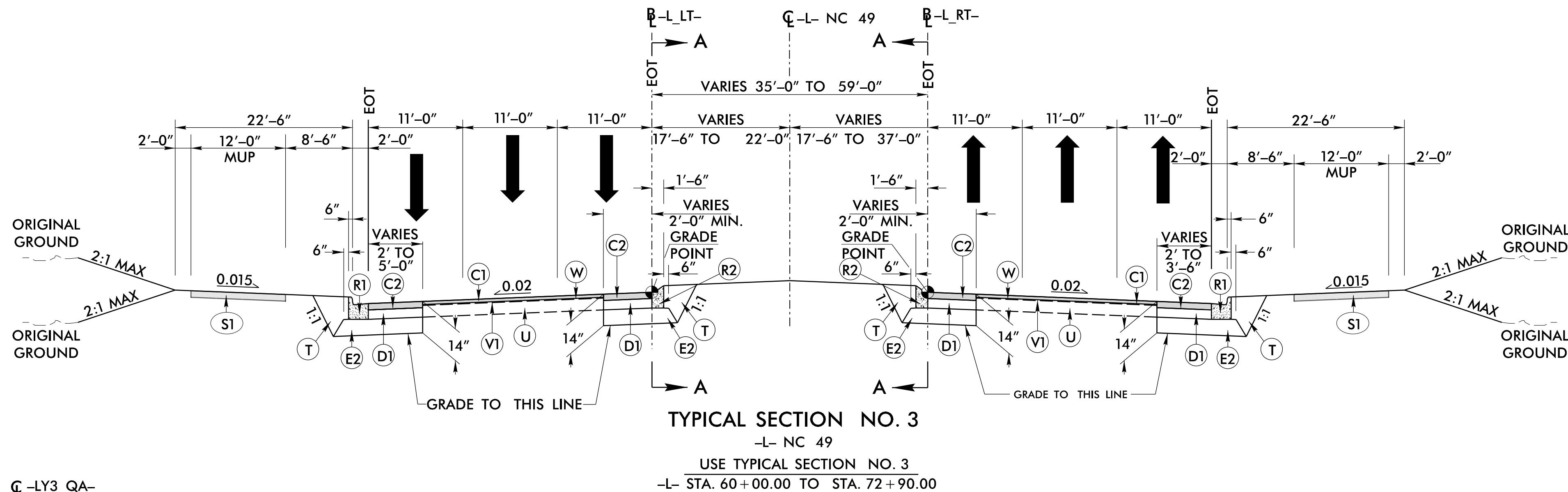
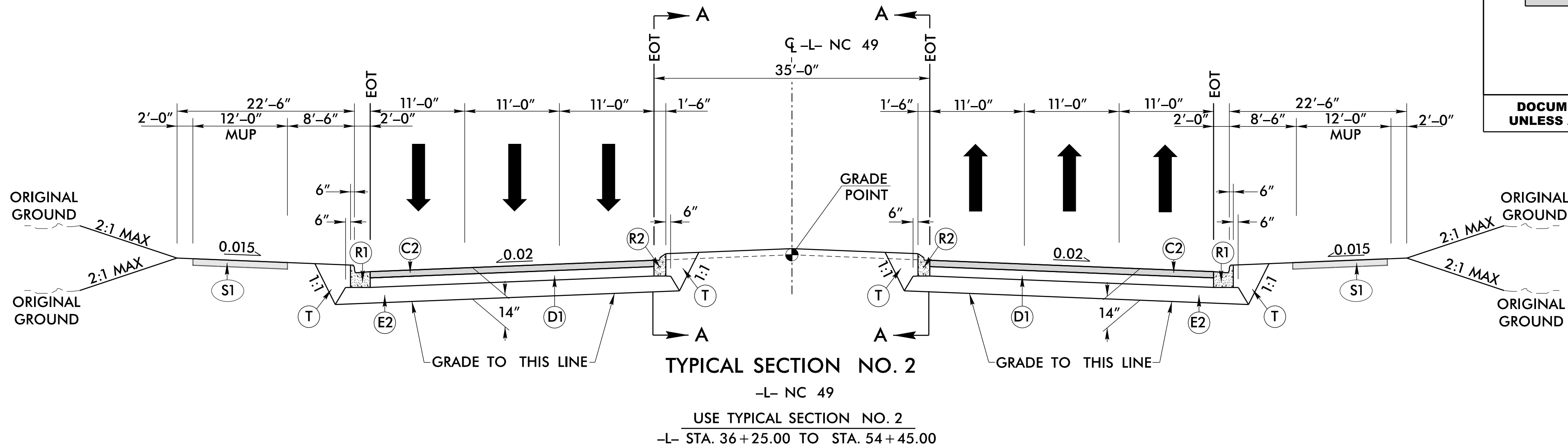
-L- NC 49
USE TYPICAL SECTION NO. 1
-L- STA. 12+75.00 TO STA. 36+25.00
-L- STA. 54+45.00 TO STA. 60+00.00

5/14/99

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HNTB

AWAITING FINAL PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ACSC, TYPE S9.5C
C2	PROP. APPROX. 3" ACSC, TYPE S9.5C
C3	PROP. VAR. DEPTH ACSC, TYPE S9.5C
D1	PROP. APPROX. 4" ACIC, TYPE I19.0C
D2	PROP. VAR. DEPTH ACIC, TYPE I19.0C
E1	PROP. APPROX. 4" ACBC, TYPE B25.0C
E2	PROP. APPROX. 7" ACBC, TYPE B25.0C
E3	PROP. VAR. DEPTH ACBC, TYPE B25.0C
J1	7" AGGREGATE BASE COURSE.
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	1'-6" CONCRETE CURB AND GUTTER.
R3	2'-9" CONCRETE CURB AND GUTTER.
R4	5" MONOLITHIC CONCRETE ISLAND (KEYED IN).
S1	4" CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V1	MILLING BITUMINOUS PAVEMENT 1.5".
V2	INCIDENTAL MILLING .
W	VARIABLE DEPTH ASPHALT PAVEMENT. (SEE DETAIL No. 1 SHOWING METHOD OF WEDGING)

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

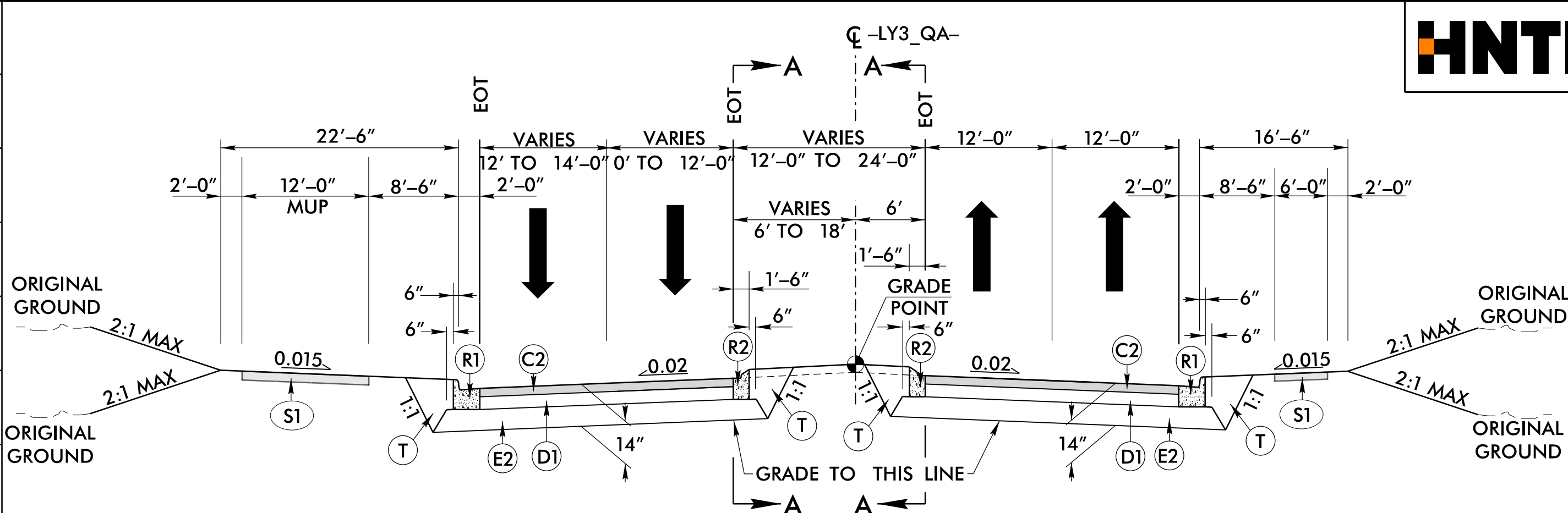


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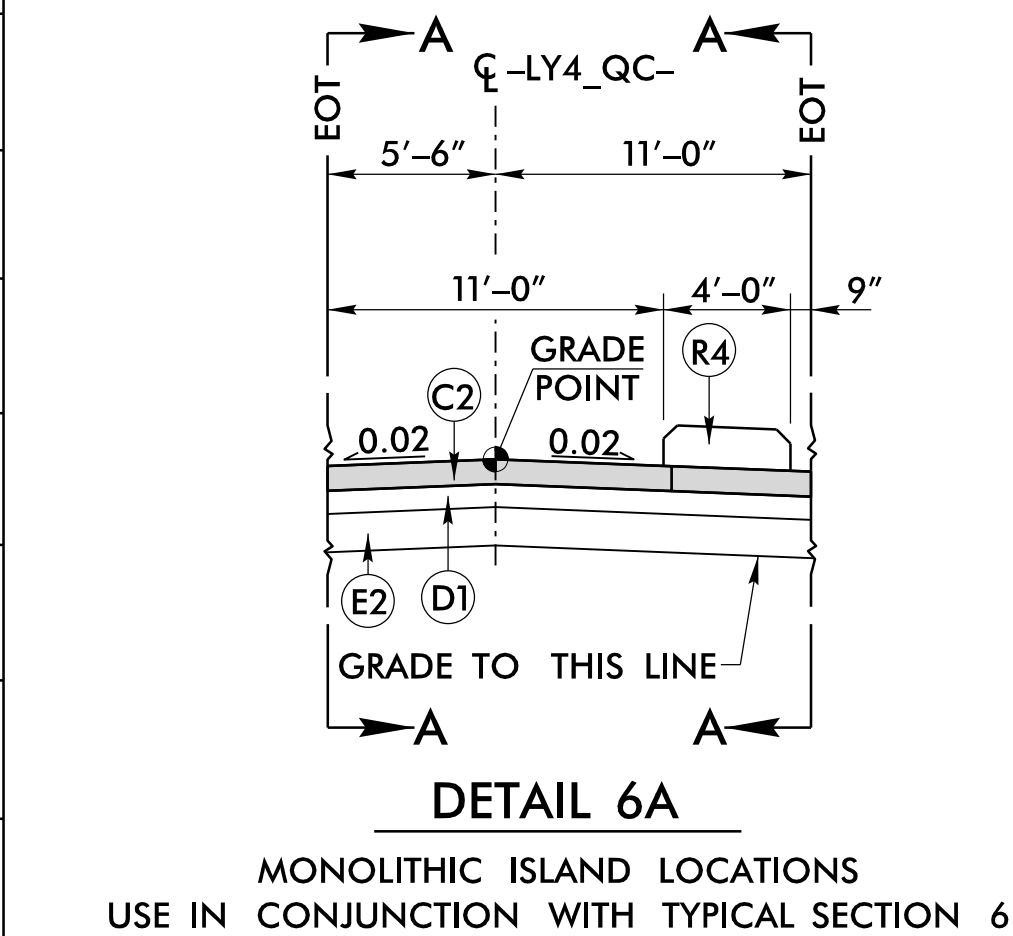
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AWAITING FINAL PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ACSC, TYPE S9.5C
C2	PROP. APPROX. 3" ACSC, TYPE S9.5C
C3	PROP. VAR. DEPTH ACSC, TYPE S9.5C
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E3	PROP. VAR. DEPTH ACBC, TYPE B25.0C
J1	7" AGGREGATE BASE COURSE.
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	1'-6" CONCRETE CURB AND GUTTER.
R3	2'-9" CONCRETE CURB AND GUTTER.
R4	5" MONOLITHIC CONCRETE ISLAND (KEYED IN).
S1	4" CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V1	MILLING BITUMINOUS PAVEMENT 1.5".
V2	INCIDENTAL MILLING .
W	VARIABLE DEPTH ASPHALT PAVEMENT. (SEE DETAIL No. 1 SHOWING METHOD OF WEDGING)

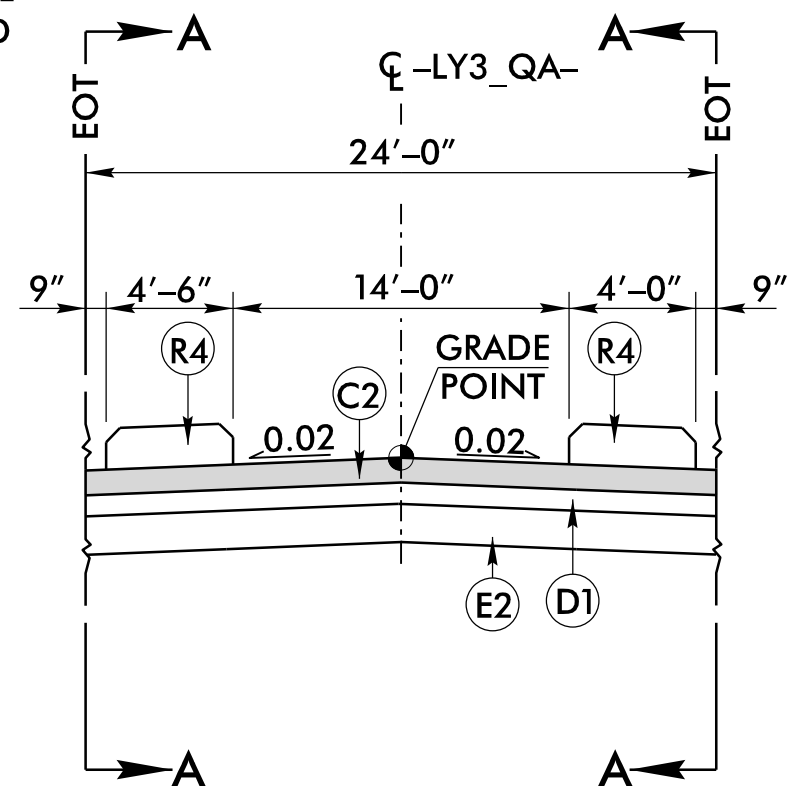
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



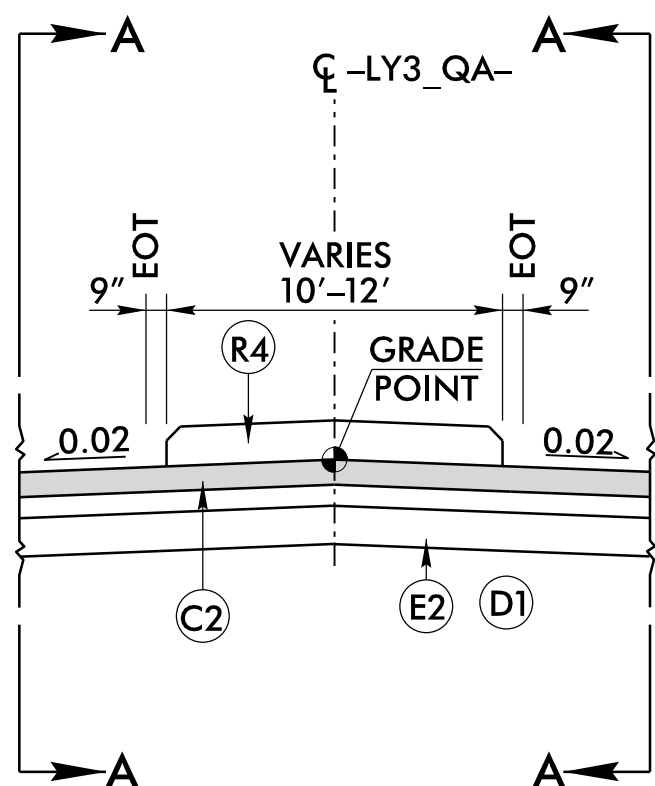
TYPICAL SECTION NO. 5
-LY3_QA- QUADRANT A RD
USE TYPICAL SECTION NO. 5
-LY3_QA- STA. 13+75.00 TO STA. 15+70.00



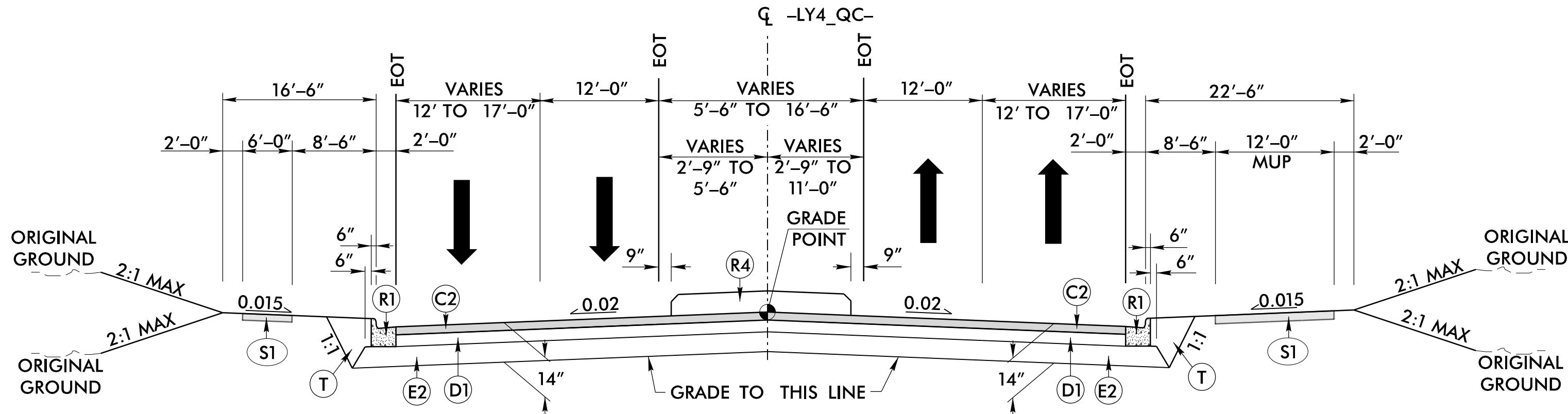
DETAIL 6A
MONOLITHIC ISLAND LOCATIONS
USE IN CONJUNCTION WITH TYPICAL SECTION 6



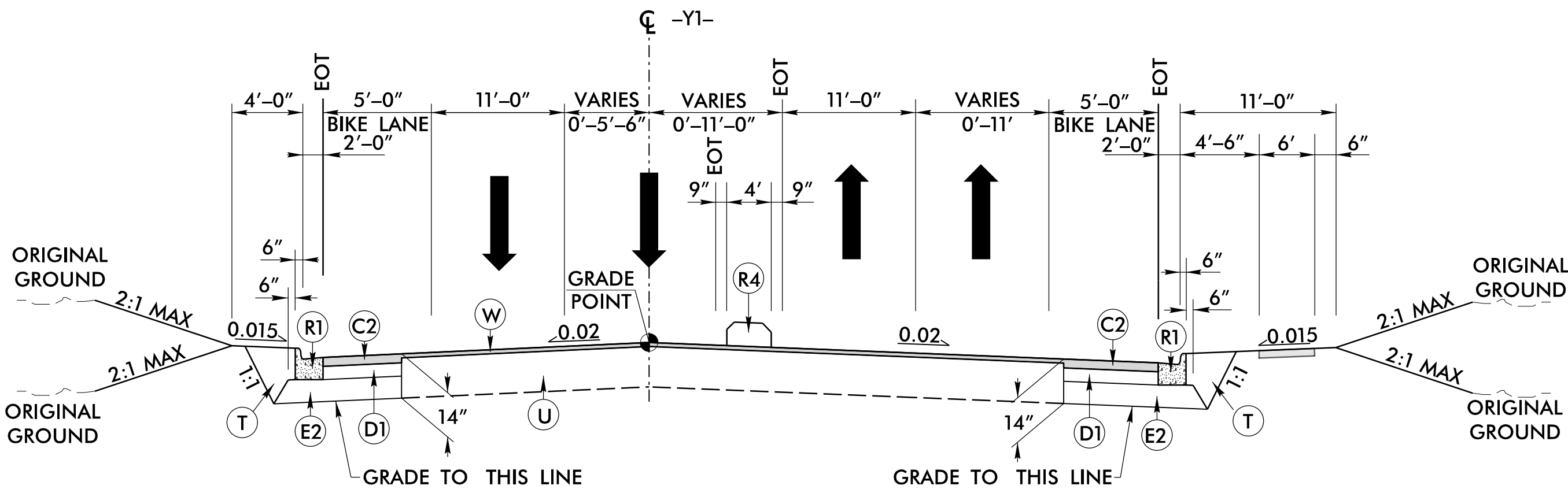
DETAIL 5A
MONOLITHIC ISLAND LOCATIONS
USE IN CONJUNCTION WITH
TYPICAL SECTION 5



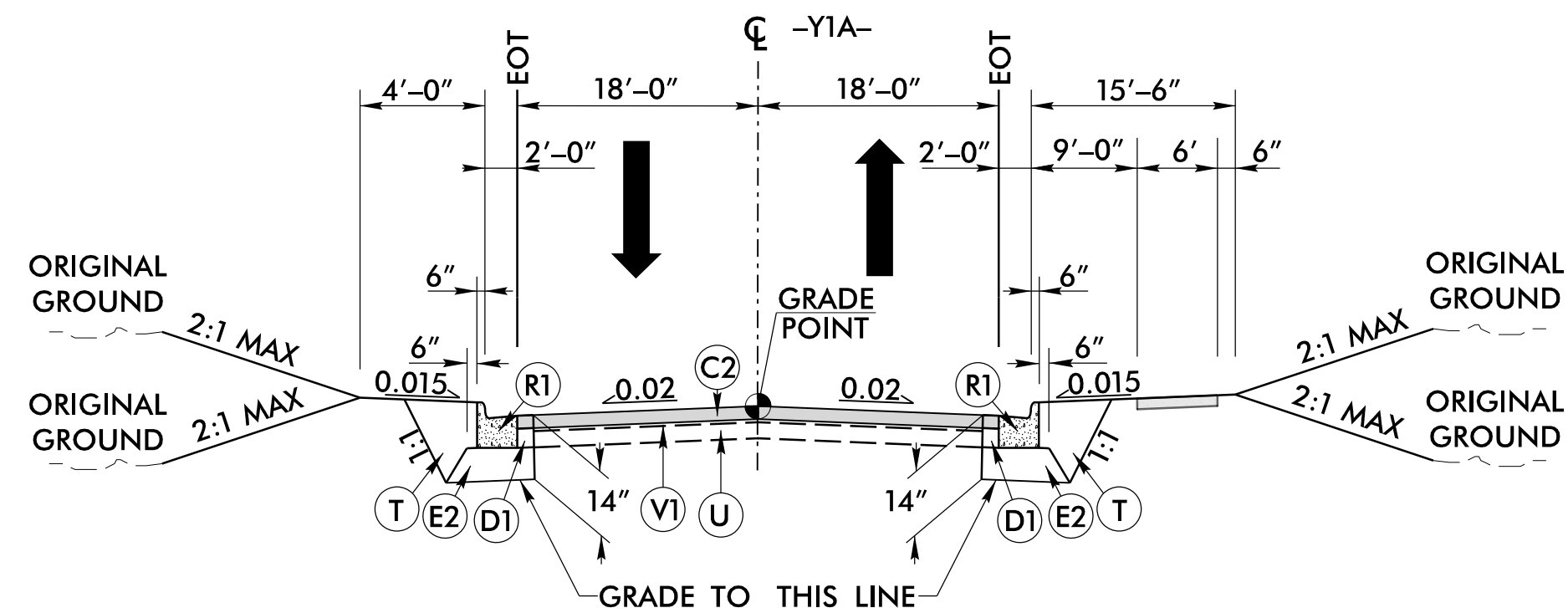
DETAIL 5B
MONOLITHIC ISLAND LOCATIONS
USE IN CONJUNCTION WITH
TYPICAL SECTION 5



TYPICAL SECTION NO. 6
-LY4_QC- QUADRANT C RD
USE TYPICAL SECTION NO. 6
-LY4_QC- STA. 10+50.50 TO STA. 19+18.51



TYPICAL SECTION NO. 7
-Y1- JOHN KIRK DR
USE TYPICAL SECTION NO. 7
-Y1- STA. 12+00.00 TO STA. 17+94.35



TYPICAL SECTION NO. 8
-Y1A- VAN LANDINGHAM RD
USE TYPICAL SECTION NO. 8
-Y1A- STA. 10+93.00 TO STA. 11+46.85

HNTB HNTB NORTH CAROLINA, P.C.
101 S. Tryon Street, Suite 3610
Charlotte, North Carolina 28280
NC License No: C-1554

PROJECT REFERENCE NO.		SHEET NO.
U-5768		2A-3
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

5/14/99

AWAITING FINAL PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ACSC, TYPE S9.5C
C2	PROP. APPROX. 3" ACSC, TYPE S9.5C
C3	PROP. VAR. DEPTH ACSC, TYPE S9.5C
D1	PROP. APPROX. 4" ACIC, TYPE I19.0C
D2	PROP. VAR. DEPTH ACIC, TYPE I19.0C
E1	PROP. APPROX. 4" ACBC, TYPE B25.0C
E2	PROP. APPROX. 7" ACBC, TYPE B25.0C
E3	PROP. VAR. DEPTH ACBC, TYPE B25.0C
J1	7" AGGREGATE BASE COURSE.
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	1'-6" CONCRETE CURB AND GUTTER.
R3	2'-9" CONCRETE CURB AND GUTTER.
R4	5" MONOLITHIC CONCRETE ISLAND (KEYED IN).
S1	4" CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V1	MILLING BITUMINOUS PAVEMENT 1.5".
V2	INCIDENTAL MILLING .
W	VARIABLE DEPTH ASPHALT PAVEMENT. (SEE DETAIL No. 1 SHOWING METHOD OF WEDGING)

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

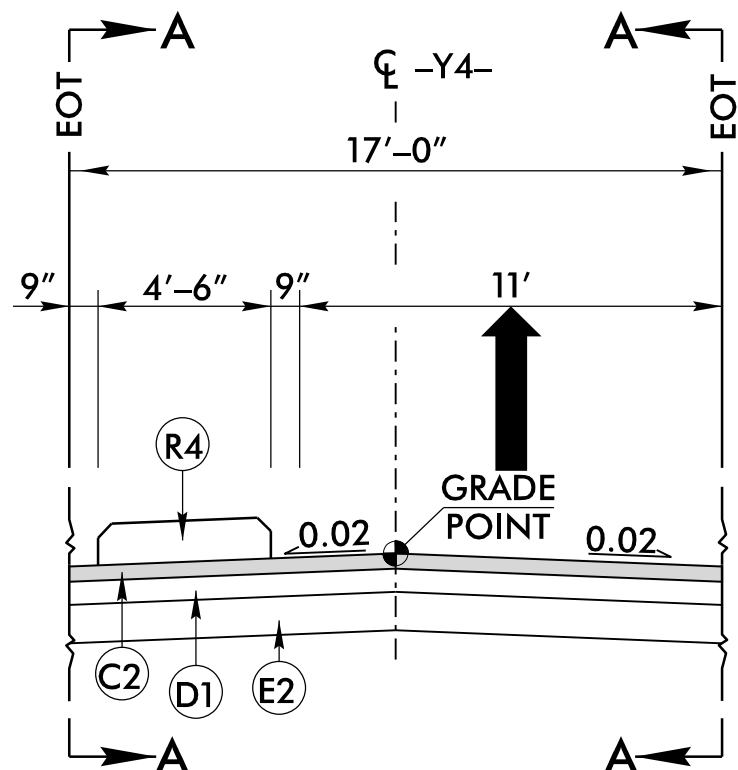
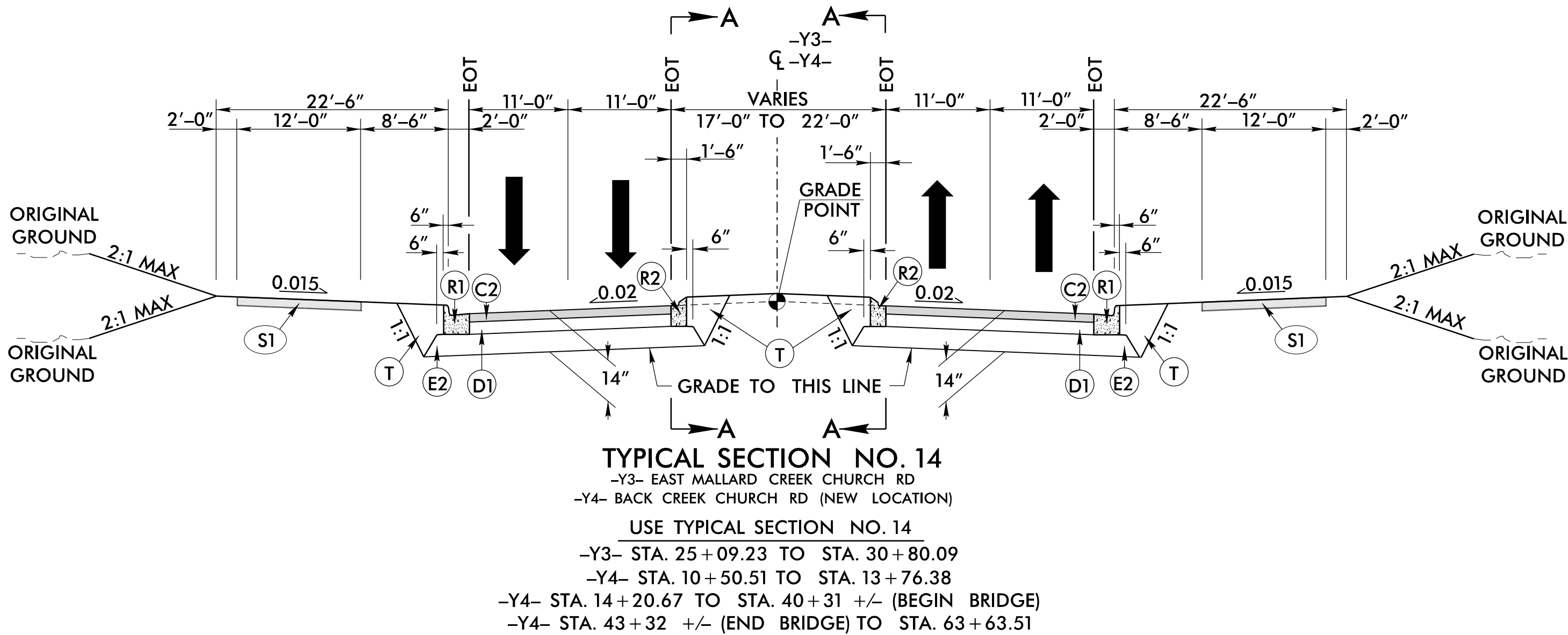
HNTB HNTB NORTH CAROLINA, P.C. 101 S. Tryon Street, Suite 3610 Charlotte, North Carolina 28280 NC License No: C-1554	PROJECT REFERENCE NO.		SHEET NO.
	U-5768		2A-5
	RW SHEET NO.		
	ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER	
	INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

22'-6"

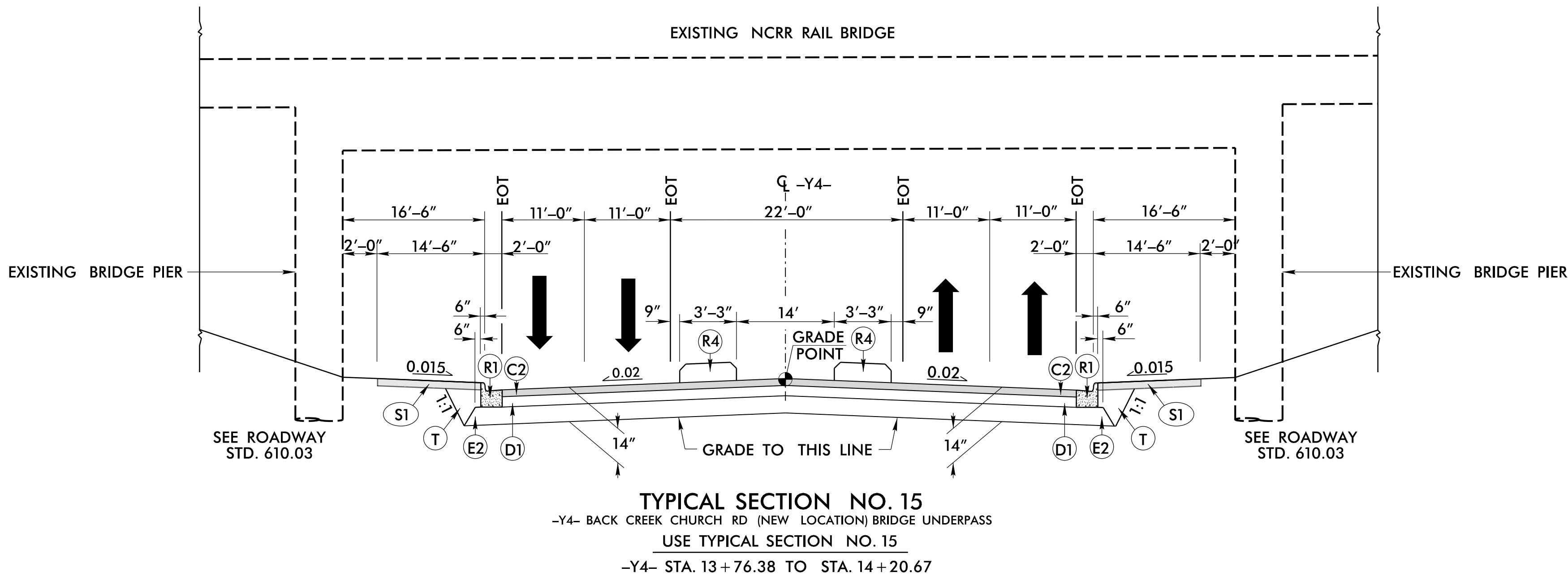
6"

12'-0"

2'-0"



MONOLITHIC ISLAND LOCATIONS
USE IN CONJUNCTION WITH TYPICAL SECTION 14
(SEE PLANS FOR LOCATIONS)

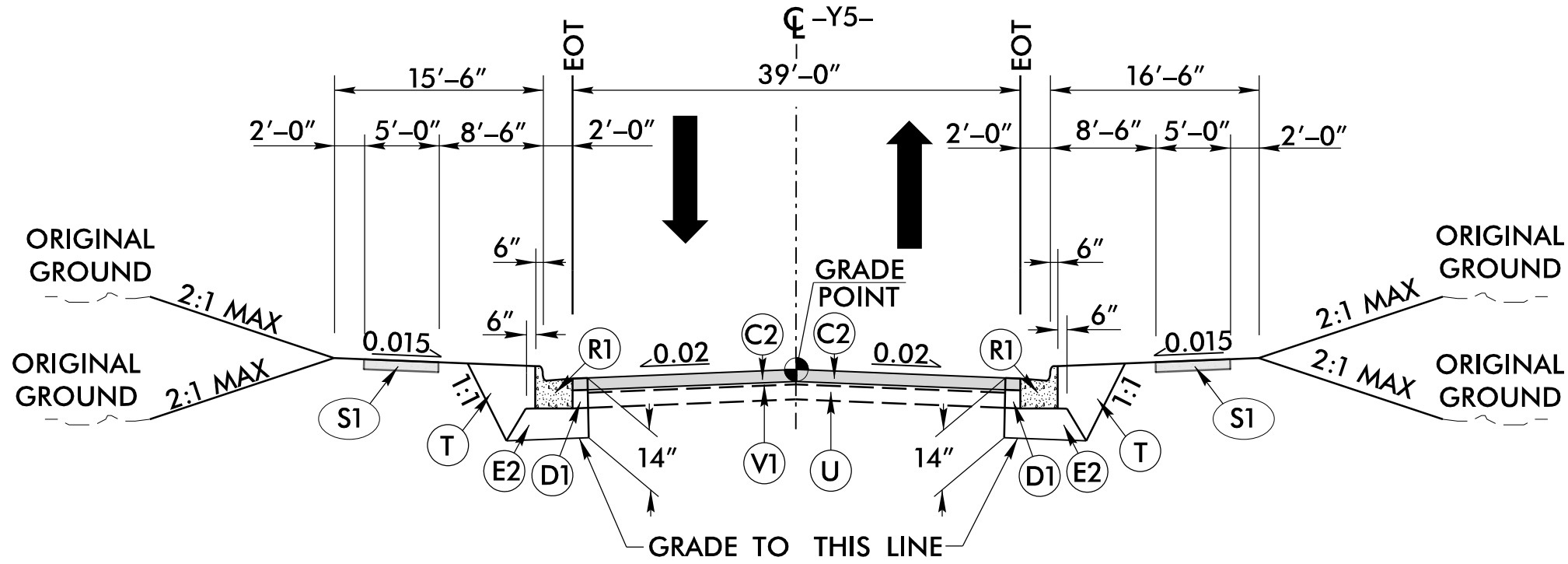


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HNTB

5/14/99

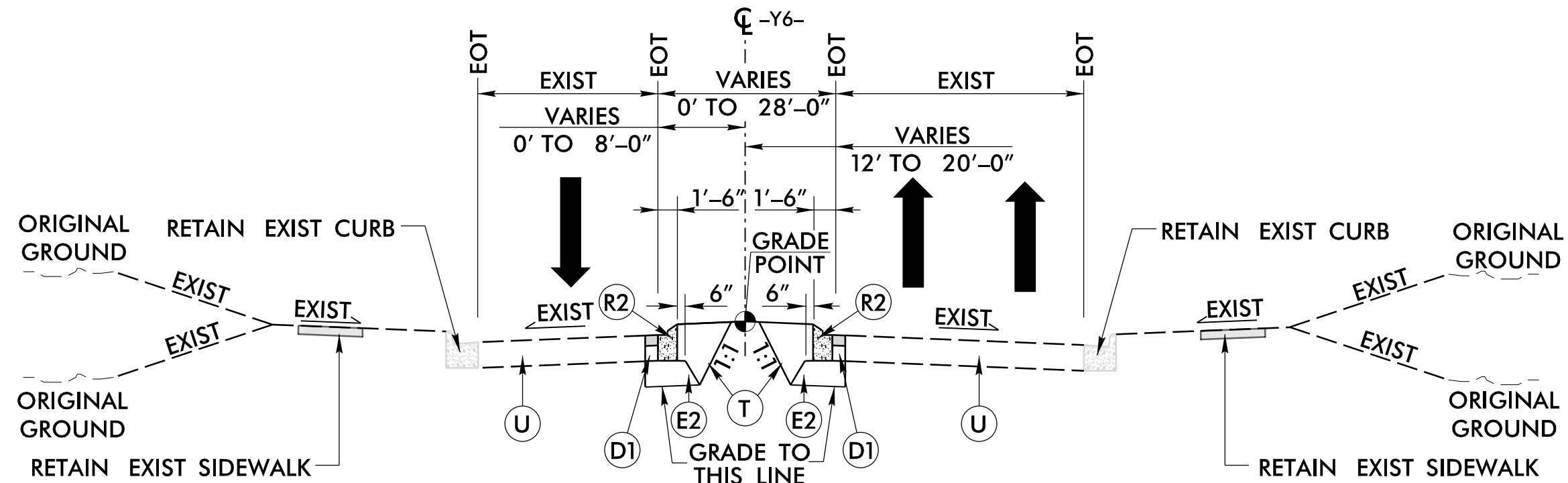
AWAITING FINAL PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ACSC, TYPE S9.5C
C2	PROP. APPROX. 3" ACSC, TYPE S9.5C
C3	PROP. VAR. DEPTH ACSC, TYPE S9.5C
D1	PROP. APPROX. 4" ACIC, TYPE I19.0C
D2	PROP. VAR. DEPTH ACIC, TYPE I19.0C
E1	PROP. APPROX. 4" ACBC, TYPE B25.0C
E2	PROP. APPROX. 7" ACBC, TYPE B25.0C
E3	PROP. VAR. DEPTH ACBC, TYPE B25.0C
J1	7" AGGREGATE BASE COURSE.
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	1'-6" CONCRETE CURB AND GUTTER.
R3	2'-9" CONCRETE CURB AND GUTTER.
R4	5" MONOLITHIC CONCRETE ISLAND (KEYED IN).
S1	4" CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V1	MILLING BITUMINOUS PAVEMENT 1.5".
V2	INCIDENTAL MILLING .
W	VARIABLE DEPTH ASPHALT PAVEMENT. (SEE DETAIL No. 1 SHOWING METHOD OF WEDGING)

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



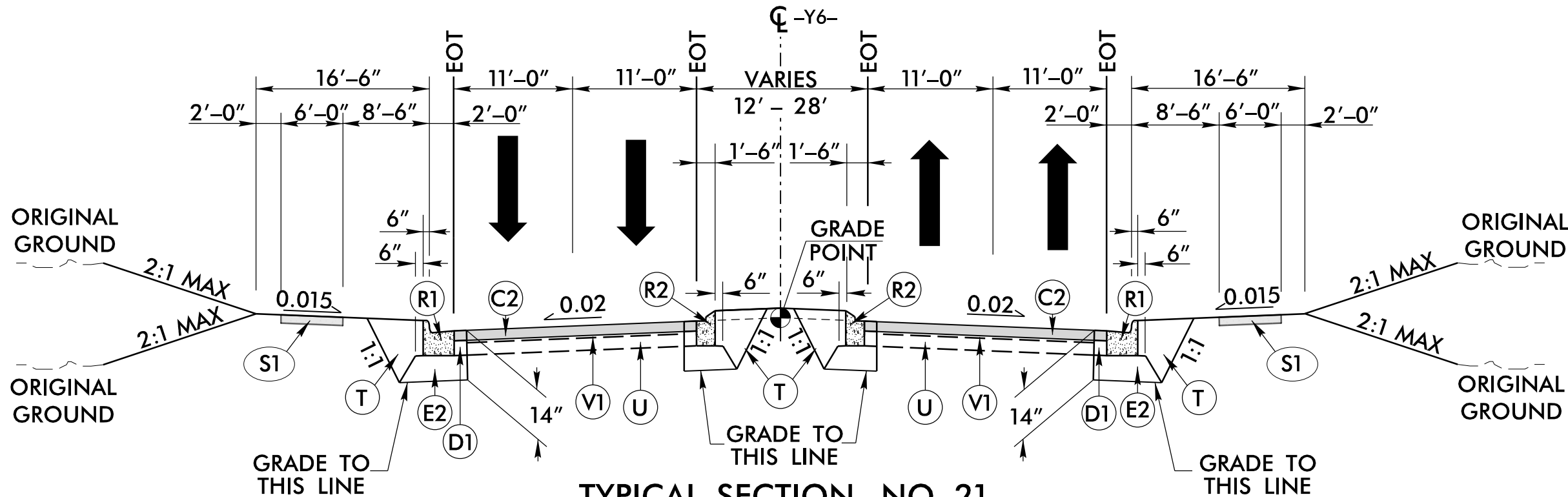
TYPICAL SECTION NO. 19

-Y5- SAMS LN
USE TYPICAL SECTION NO. 19
-Y5- STA. 11+20.00 TO STA. 12+24.20



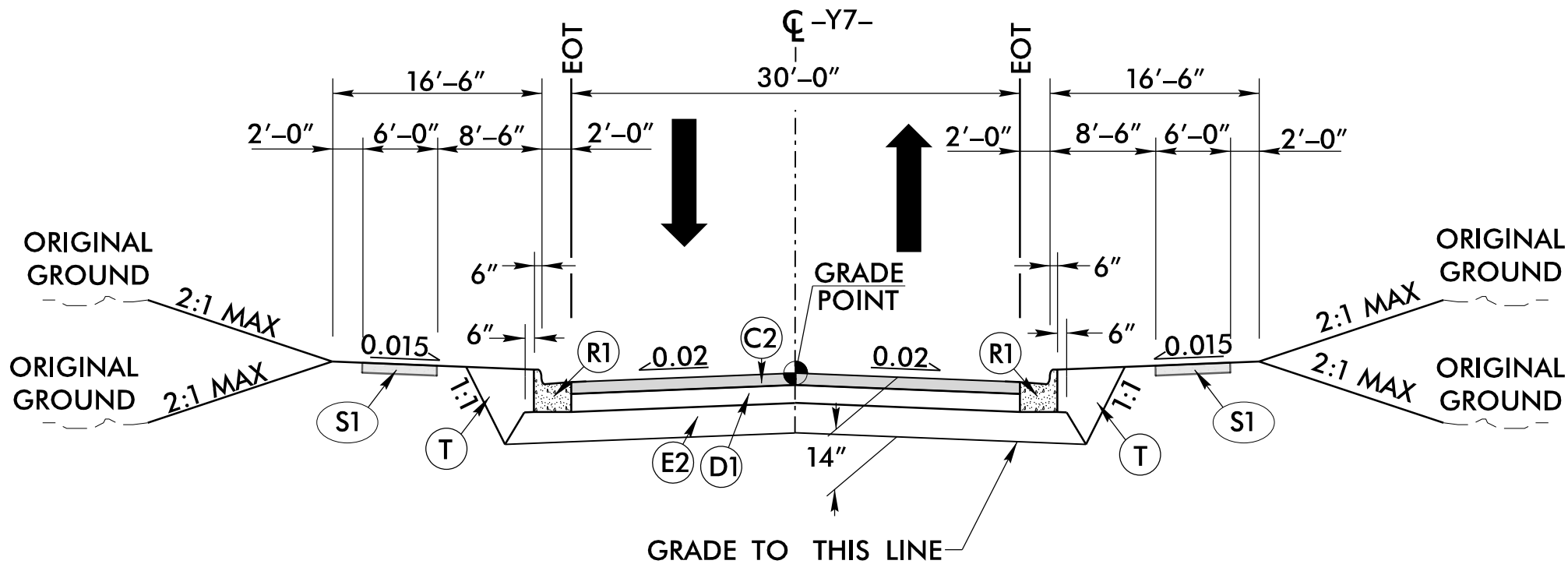
TYPICAL SECTION NO. 20

-Y6- PAVILION BLVD
USE TYPICAL SECTION NO. 20
-Y6- STA. 15+20.00 TO STA. 18+00.00



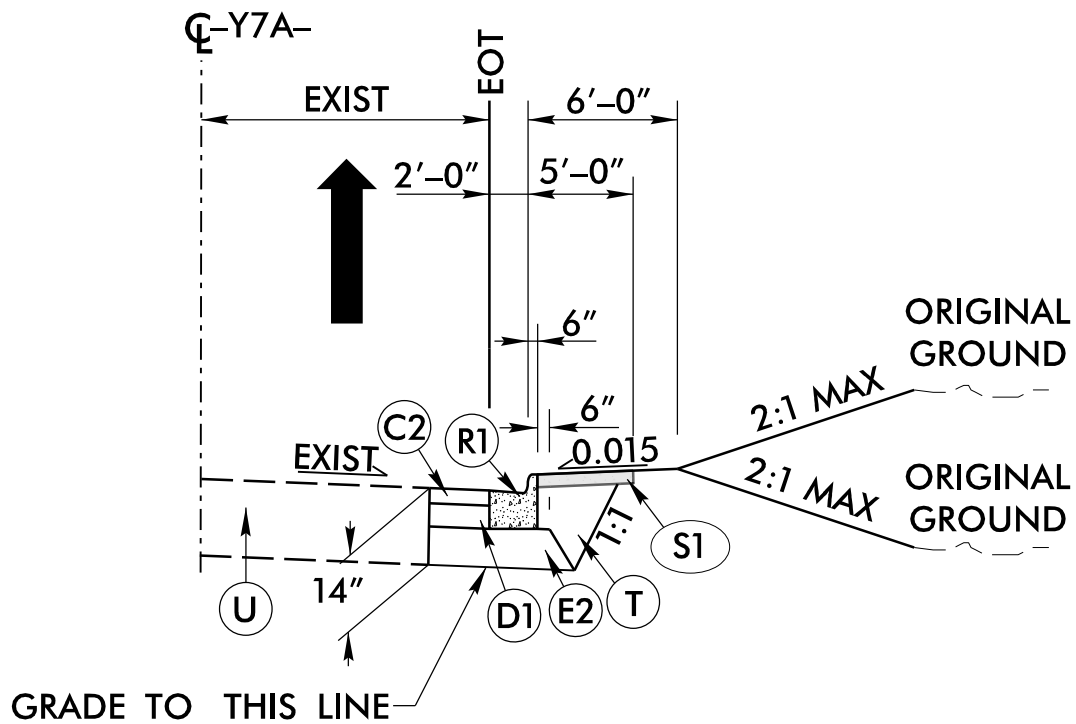
TYPICAL SECTION NO. 21

-Y6- PAVILION BLVD
USE TYPICAL SECTION NO. 21
-Y6- STA. 18+00.00 TO STA. 19+03.93



TYPICAL SECTION NO. 22

-Y7- THOMAS COMBS DR
USE TYPICAL SECTION NO. 22
-Y7- STA. 11+15.00 TO STA. 11+98.93



TYPICAL SECTION NO. 23

-Y7A- DABNEY DR
USE TYPICAL SECTION NO. 23
-Y7A- STA. 10+18.88 TO STA. 10+66.00



HNTB NORTH CAROLINA, P.C.
101 S. Tryon Street, Suite 3610
Charlotte, North Carolina 28280
NC License No: C-1554

PROJECT REFERENCE NO.

U-5768

SHEET NO.

2A-7

RW SHEET NO.

ROADWAY DESIGN
ENGINEER

PAVEMENT DESIGN
ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

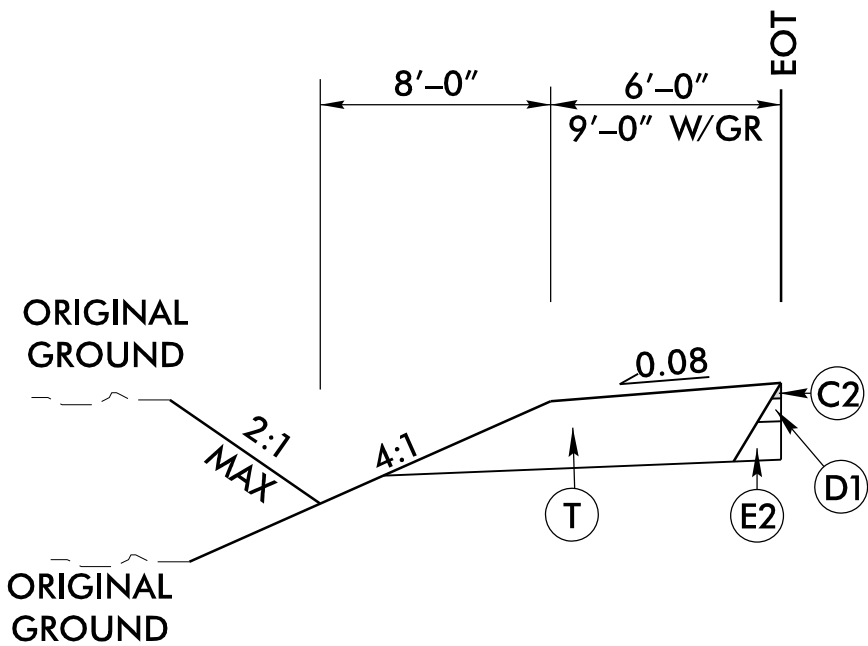
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HNTB

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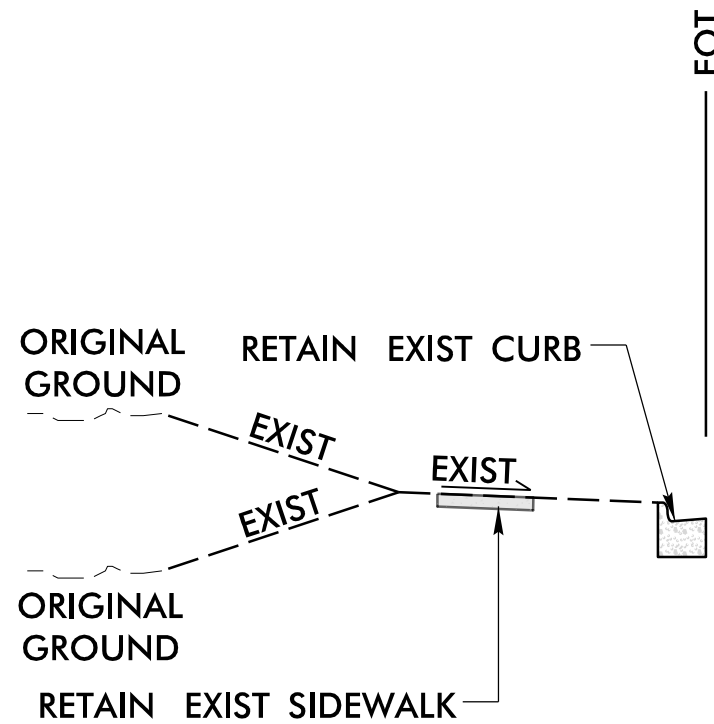
AWAITING FINAL PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ACSC, TYPE S9.5C
C2	PROP. APPROX. 3" ACSC, TYPE S9.5C
C3	PROP. VAR. DEPTH ACSC, TYPE S9.5C
D1	PROP. APPROX. 4" ACIC, TYPE I19.0C
D2	PROP. VAR. DEPTH ACIC, TYPE I19.0C
E1	PROP. APPROX. 4" ACBC, TYPE B25.0C
E2	PROP. APPROX. 7" ACBC, TYPE B25.0C
E3	PROP. VAR. DEPTH ACBC, TYPE B25.0C
J1	7" AGGREGATE BASE COURSE.
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	1'-6" CONCRETE CURB AND GUTTER.
R3	2'-9" CONCRETE CURB AND GUTTER.
R4	5" MONOLITHIC CONCRETE ISLAND (KEYED IN).
S1	4" CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V1	MILLING BITUMINOUS PAVEMENT 1.5".
V2	INCIDENTAL MILLING .
W	VARIABLE DEPTH ASPHALT PAVEMENT. (SEE DETAIL No. 1 SHOWING METHOD OF WEDGING)

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

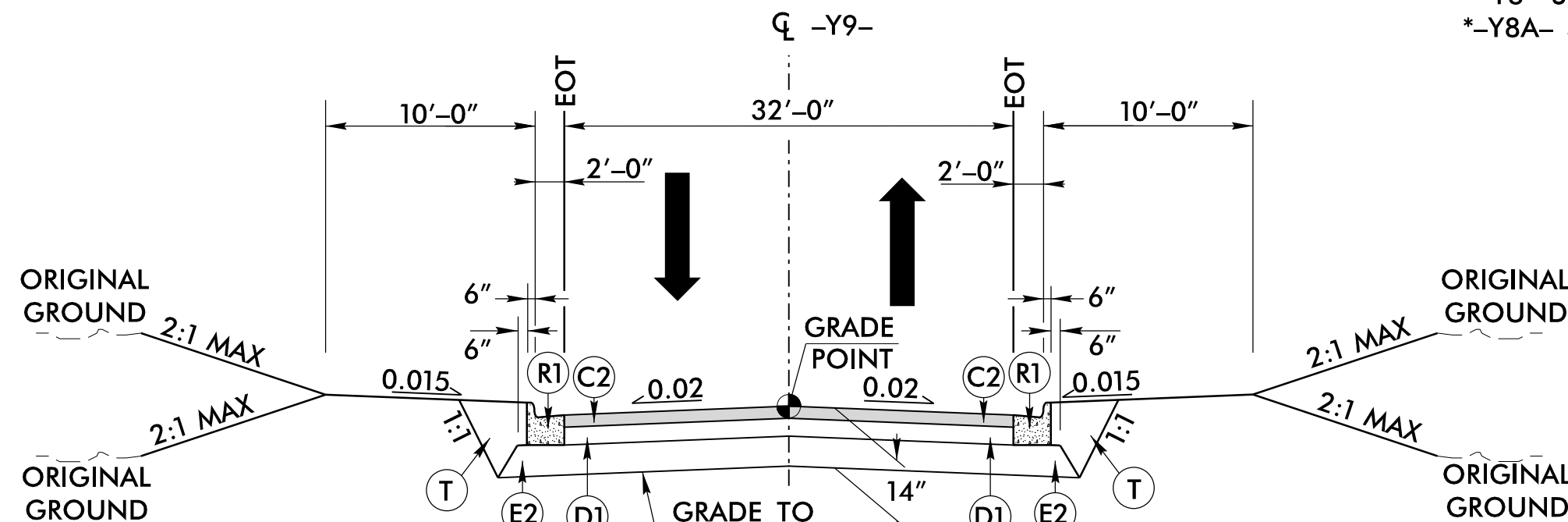


DETAIL 27A
SHOULDER LOCATIONS
USE IN CONJUNCTION WITH TYPICAL SECTION 27
(SEE PLANS FOR LOCATIONS)

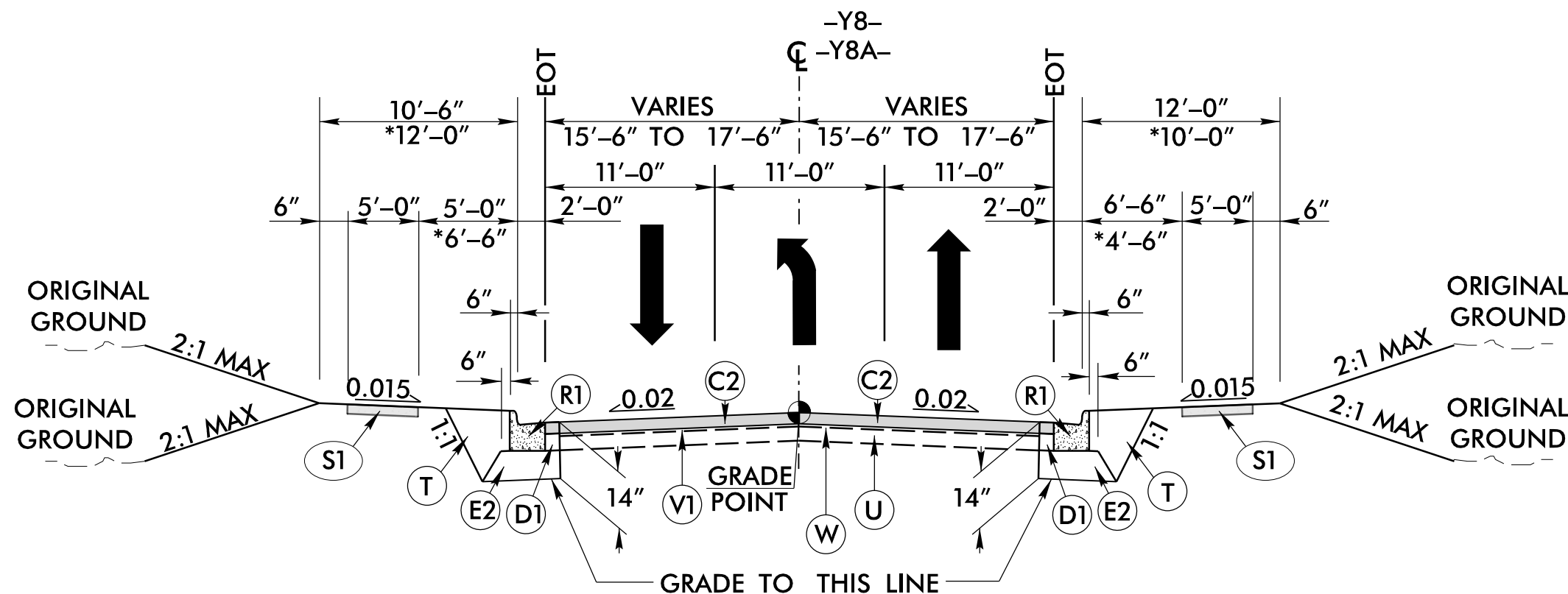
NOTE: MIRROR FOR RT SIDE



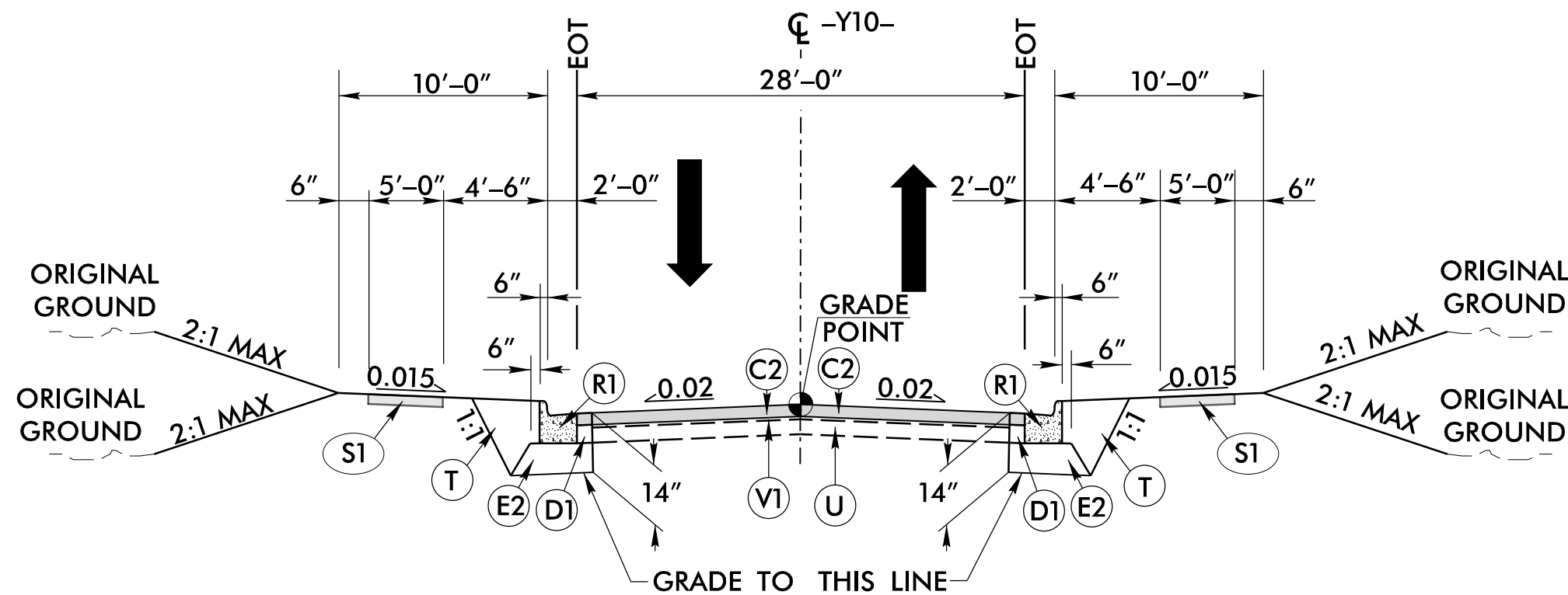
DETAIL 24A
RETAIN EXISTING CURB LOCATIONS
USE IN CONJUNCTION WITH TYPICAL SECTION 24
(SEE PLANS FOR LOCATIONS)



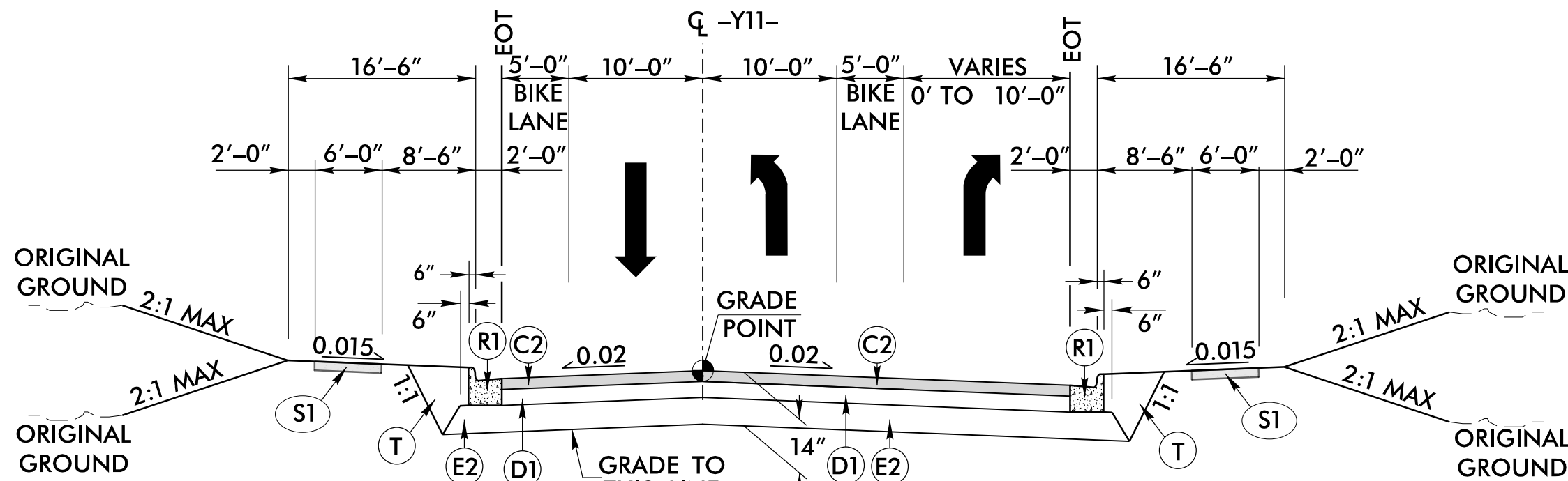
TYPICAL SECTION NO. 25
-Y9- HANBERRY BLVD
USE TYPICAL SECTION NO. 25
-Y9- STA. 10+30.50 TO STA. 11+00.00



TYPICAL SECTION NO. 24
-Y8- HANBERRY BLVD
-Y8A- HANBERRY BLVD
USE TYPICAL SECTION NO. 24
-Y8- STA. 10+37.00 TO STA. 12+95.39
*-Y8A- STA. 10+30.50 TO STA. 13+20.00



TYPICAL SECTION NO. 26
-Y10- PARSIFAL LN
USE TYPICAL SECTION NO. 26
-Y10- STA. 10+30.50 TO STA. 14+00.00



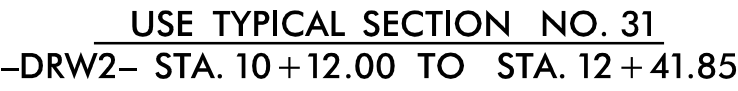
TYPICAL SECTION NO. 27
-Y11- BACK CREEK CHURCH RD (REALIGNMENT)
USE TYPICAL SECTION NO. 27
-Y11- STA. 15+50.00 TO STA. 24+48.39



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PROJECT REFERENCE NO.	SHEET NO.
U-5768	2A-8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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

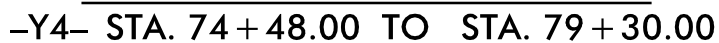
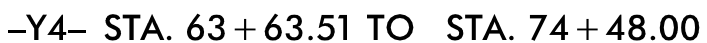


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UNTR

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

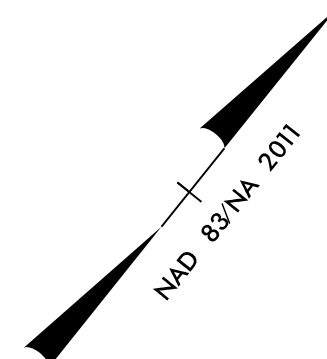
W	VARIABLE DEPTH ASPHALT PAVEMENT. (SEE DETAIL No. 1 SHOWING METHOD OF WEDGING)
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NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

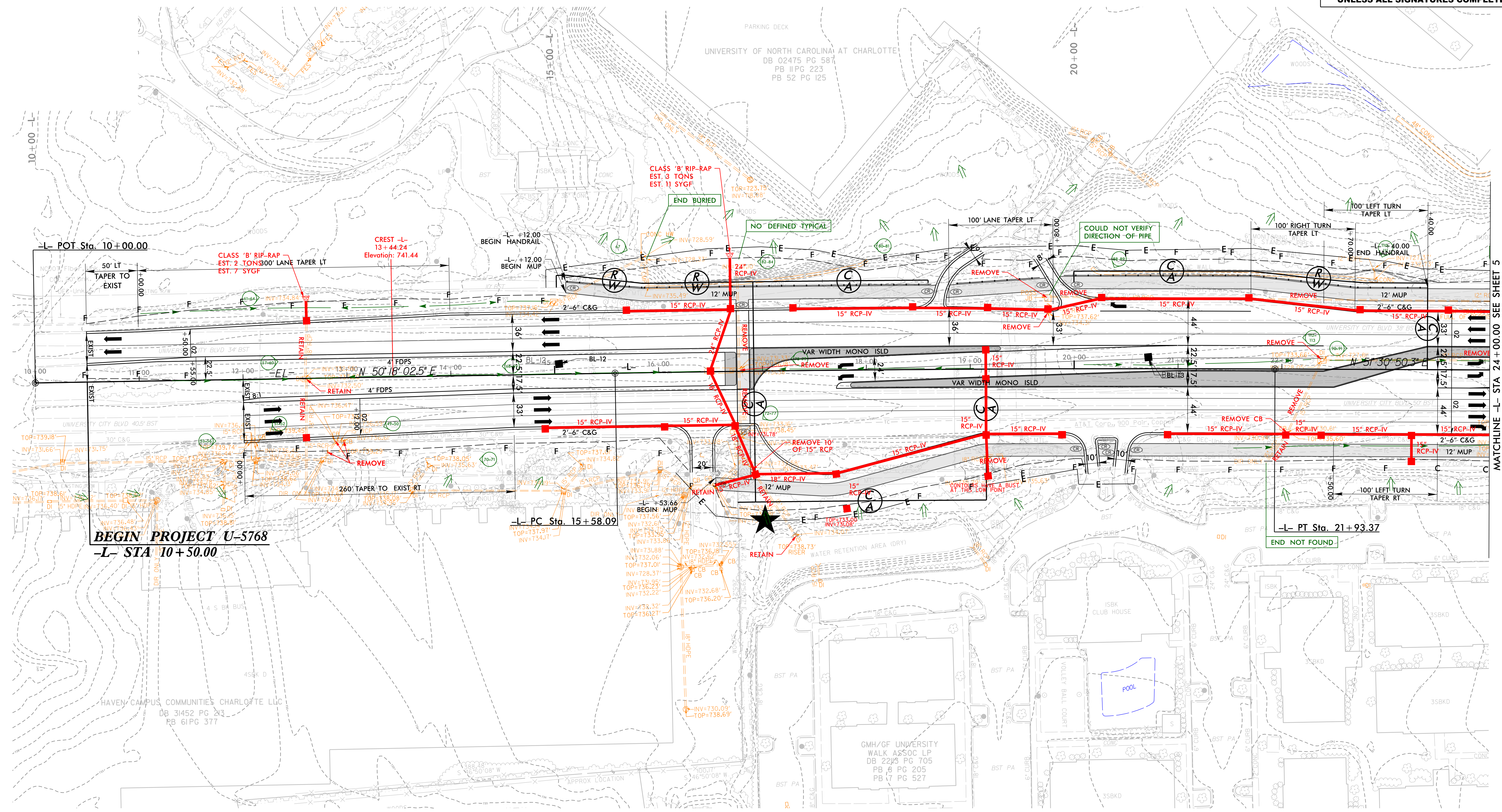


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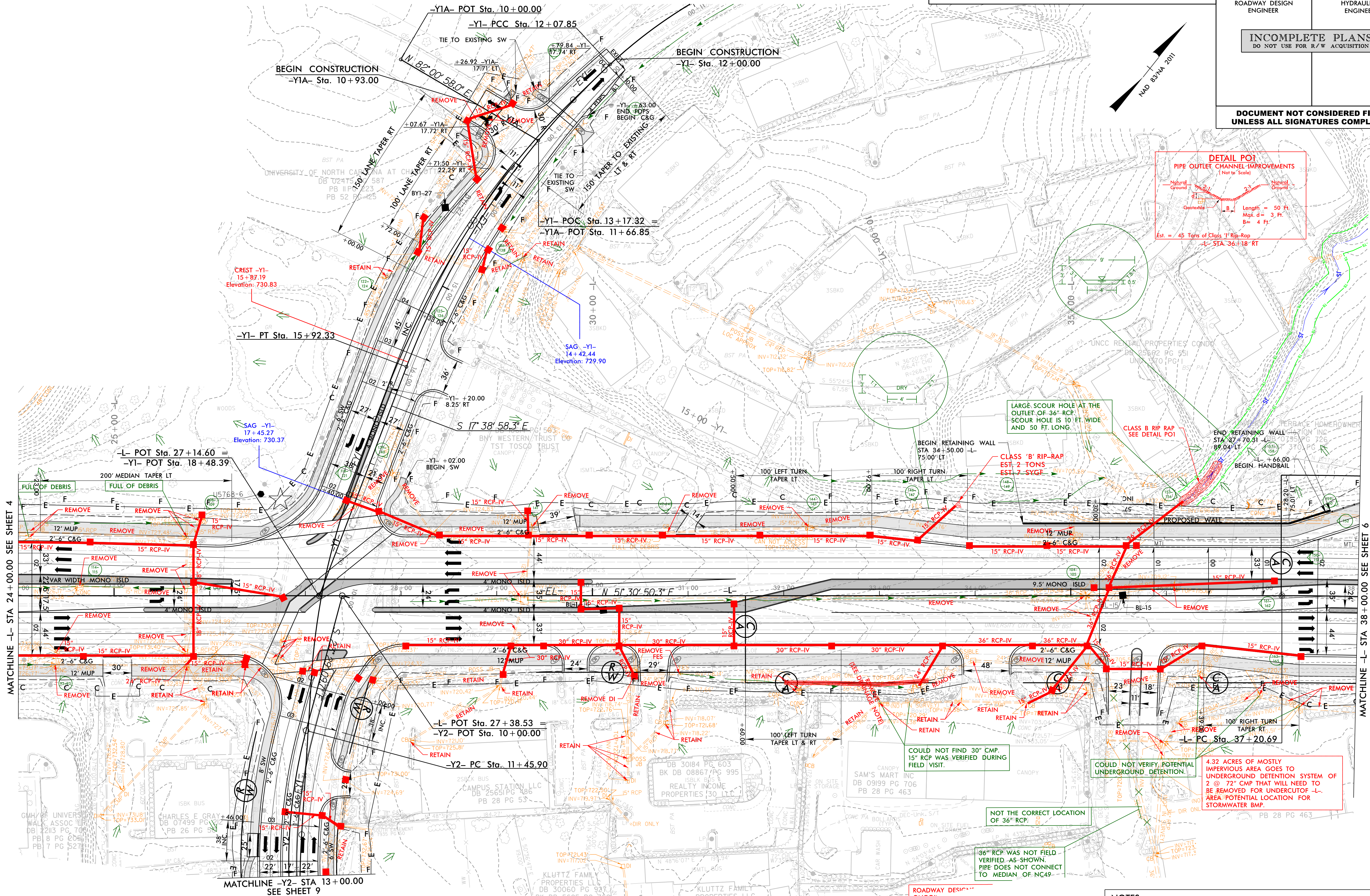


NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
2. FOR -L- INTERSECTION DETAILS, SEE SHEET 2B-1
3. FOR -L- PROFILE, SEE SHEET 18



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PROJECT REFERENCE NO.		SHEET NO.
U-5768		5
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

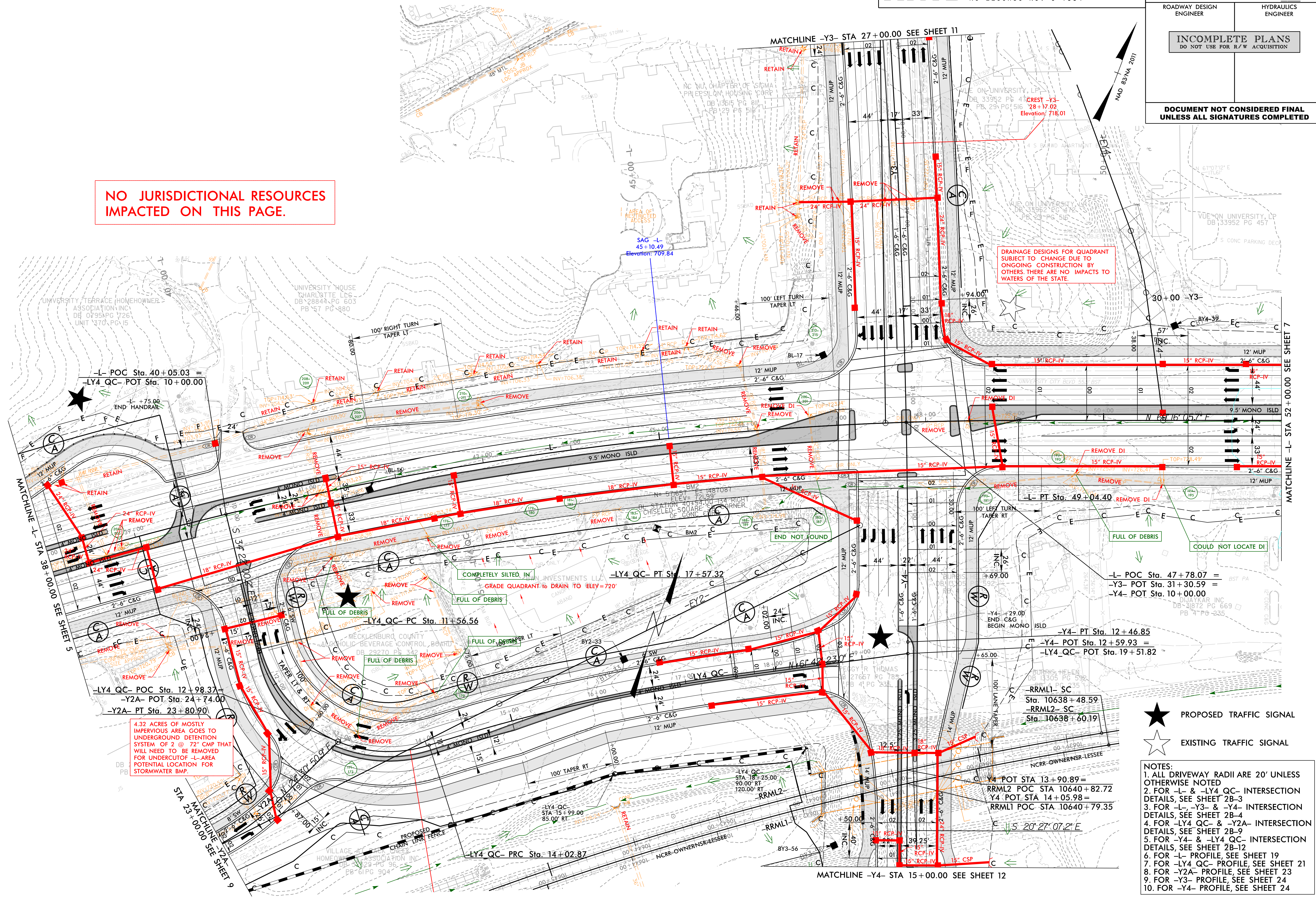


- NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
 2. FOR -L-, -Y1- & -Y2- INTERSECTION DETAILS, SEE SHEET 28-2
 3. FOR -L- PROFILE, SEE SHEET 18
 4. FOR -Y1- PROFILE, SEE SHEET 22
 5. FOR -Y1A- PROFILE, SEE SHEET 22
 6. FOR -Y2- PROFILE, SEE SHEET 22

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PROJECT REFERENCE NO.	SHEET NO.
U-5768	6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

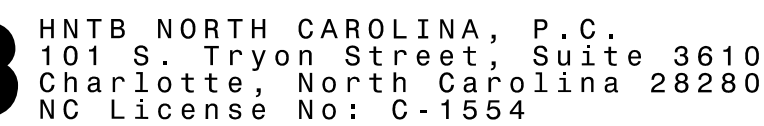
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- ★ PROPOSED TRAFFIC SIGNAL
- ☆ EXISTING TRAFFIC SIGNAL

NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
2. FOR -L- & -LY4 QC- INTERSECTION DETAILS, SEE SHEET 2B-3
3. FOR -L-, -Y3- & -Y4- INTERSECTION DETAILS, SEE SHEET 2B-4
4. FOR -LY4 QC- & -Y2A- INTERSECTION DETAILS, SEE SHEET 2B-9
5. FOR -Y4- & -LY4 QC- INTERSECTION DETAILS, SEE SHEET 2B-12
6. FOR -L- PROFILE, SEE SHEET 19
7. FOR -LY4 QC- PROFILE, SEE SHEET 21
8. FOR -Y2A- PROFILE, SEE SHEET 23
9. FOR -Y3- PROFILE, SEE SHEET 24
10. FOR -Y4- PROFILE, SEE SHEET 24

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DRAINAGE DESIGNS FOR QUADRANT
SUBJECT TO CHANGE DUE TO
ONGOING CONSTRUCTION BY
OTHERS. THERE ARE NO IMPACTS TO
WATERS OF THE STATE.

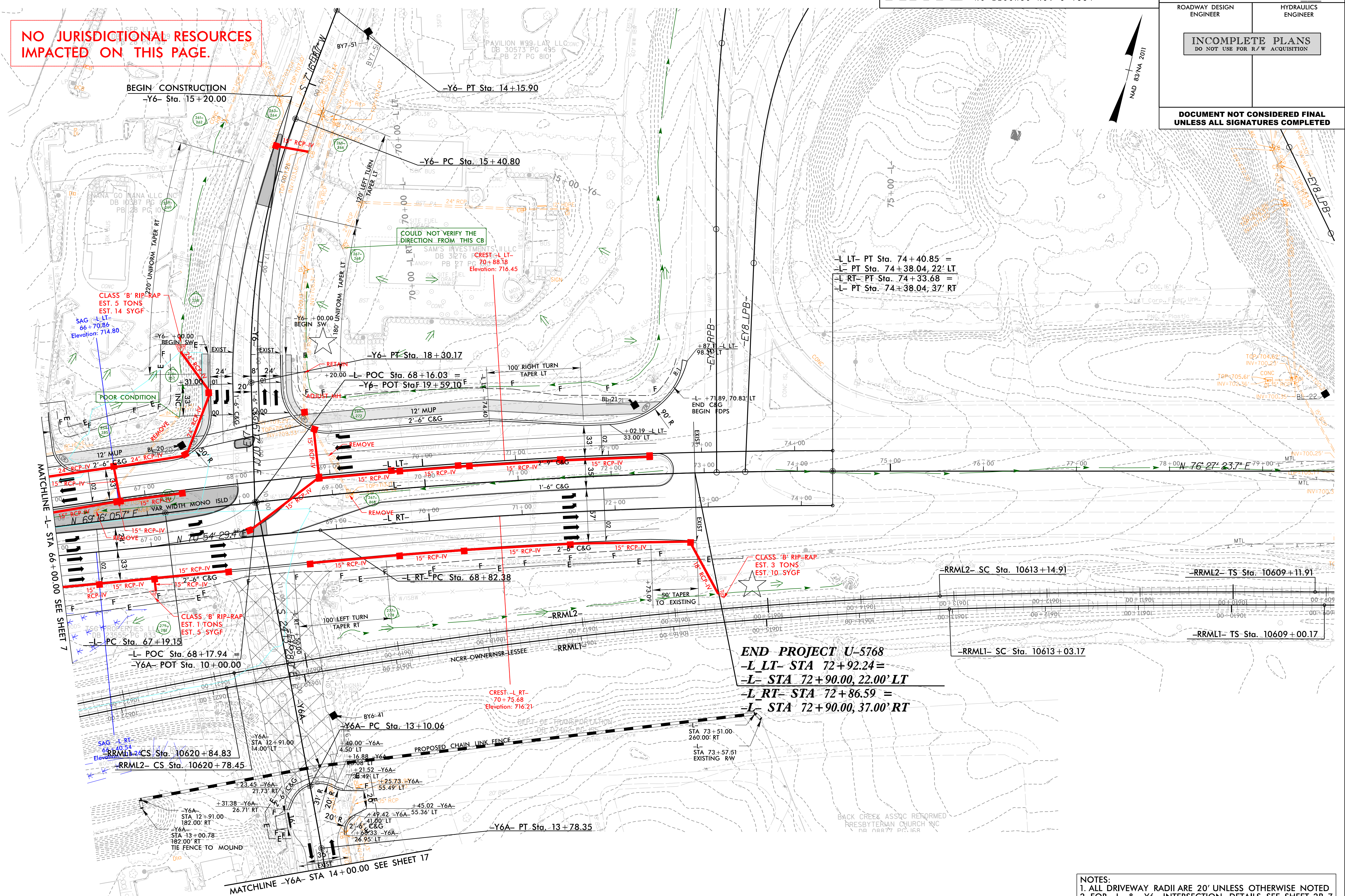
NOTES:

1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
2. FOR -L- & -LY3 QA- INTERSECTION DETAILS, SEE SHEET 2B-5
3. FOR -L- & -Y5- INTERSECTION DETAILS, SEE SHEET 2B-6
4. FOR -L- PROFILE, SEE SHEET 19
5. FOR -L LT- PROFILE, SEE SHEET 20
6. FOR -L RT- PROFILE, SEE SHEET 20
7. FOR -LY3 QA- PROFILE, SEE SHEET 21
8. FOR -Y5- PROFILE, SEE SHEET 27

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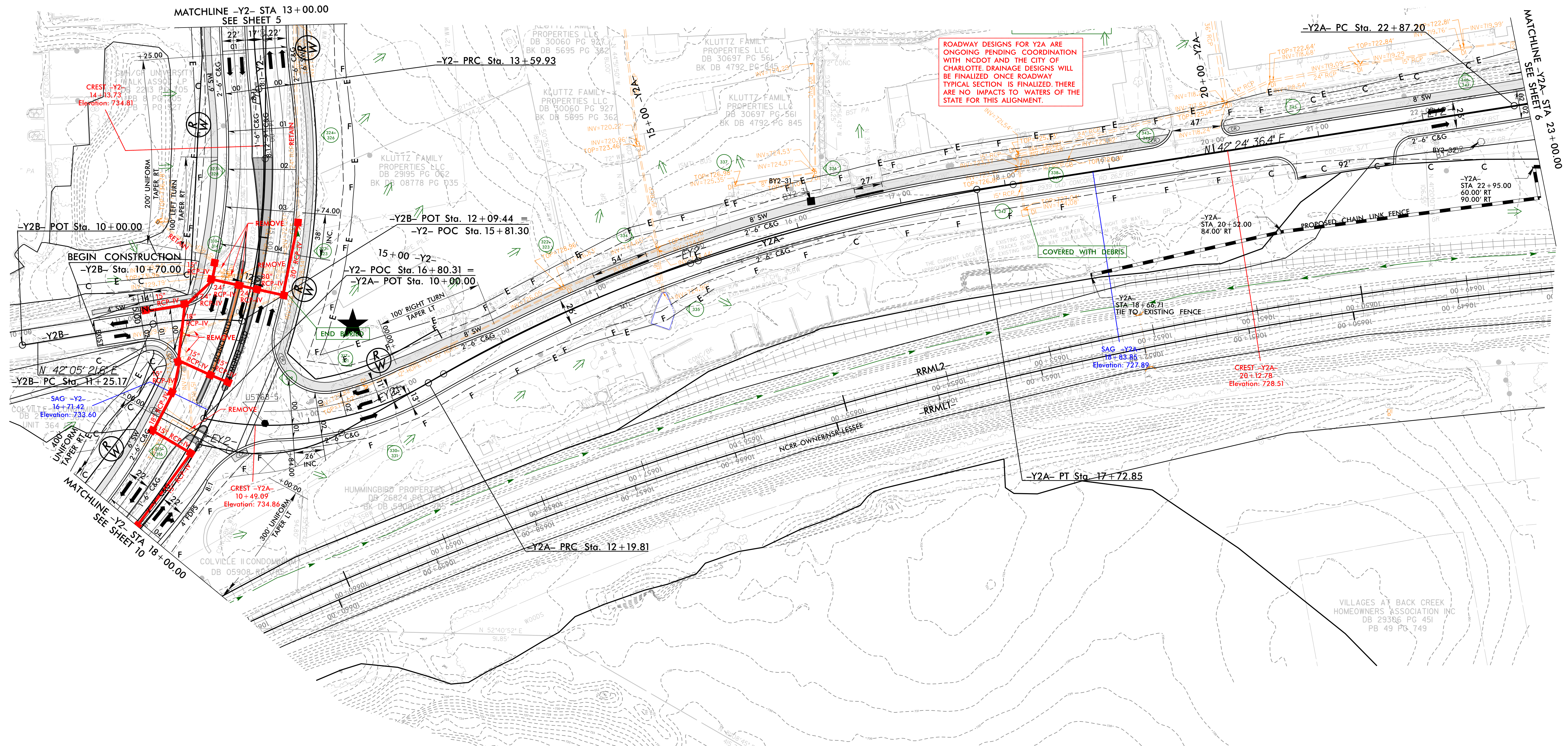
PROJECT REFERENCE NO.		SHEET NO.
U-5768		8
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

NO JURISDICTIONAL RESOURCES
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- NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
 2. FOR -L- & -Y6- INTERSECTION DETAILS, SEE SHEET 28-7
 3. FOR -L LT- PROFILE, SEE SHEET 20
 4. FOR -L RT- PROFILE, SEE SHEET 20
 5. FOR -Y6- PROFILE, SEE SHEET 27
 6. FOR -Y6A- PROFILE, SEE SHEET 27

NO JURISDICTIONAL RESOURCES
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- NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
2. FOR -Y2- & -Y2A- INTERSECTION DETAILS, SEE SHEET 2B-8
3. FOR -Y2- PROFILE, SEE SHEET 22
4. FOR -Y2A- PROFILE, SEE SHEET 23
5. FOR -Y2B- PROFILE, SEE SHEET 23

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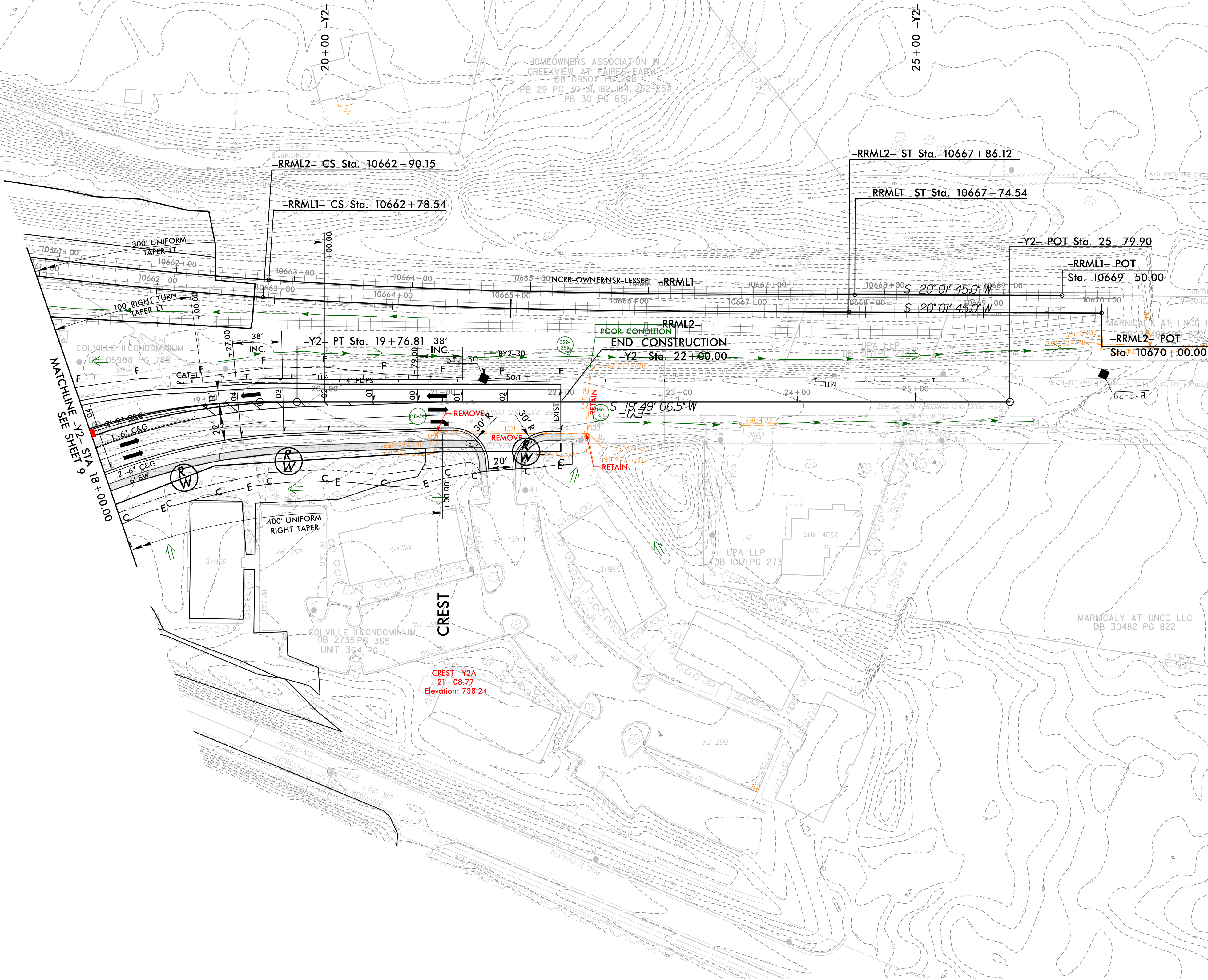
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PROJECT REFERENCE NO.		SHEET NO.
U-5768		10
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

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-Y2-
PI Sta 17+08.14
 $\Delta = 66^{\circ}18'45.1''$ (RT)
 $D = 10^{\circ}44'58.8''$
 $L = 616.88'$
 $T = 348.20'$
 $R = 533.00'$
 $SE = 4\%$
 $RO = 152'$
 $V = 40$ MPH



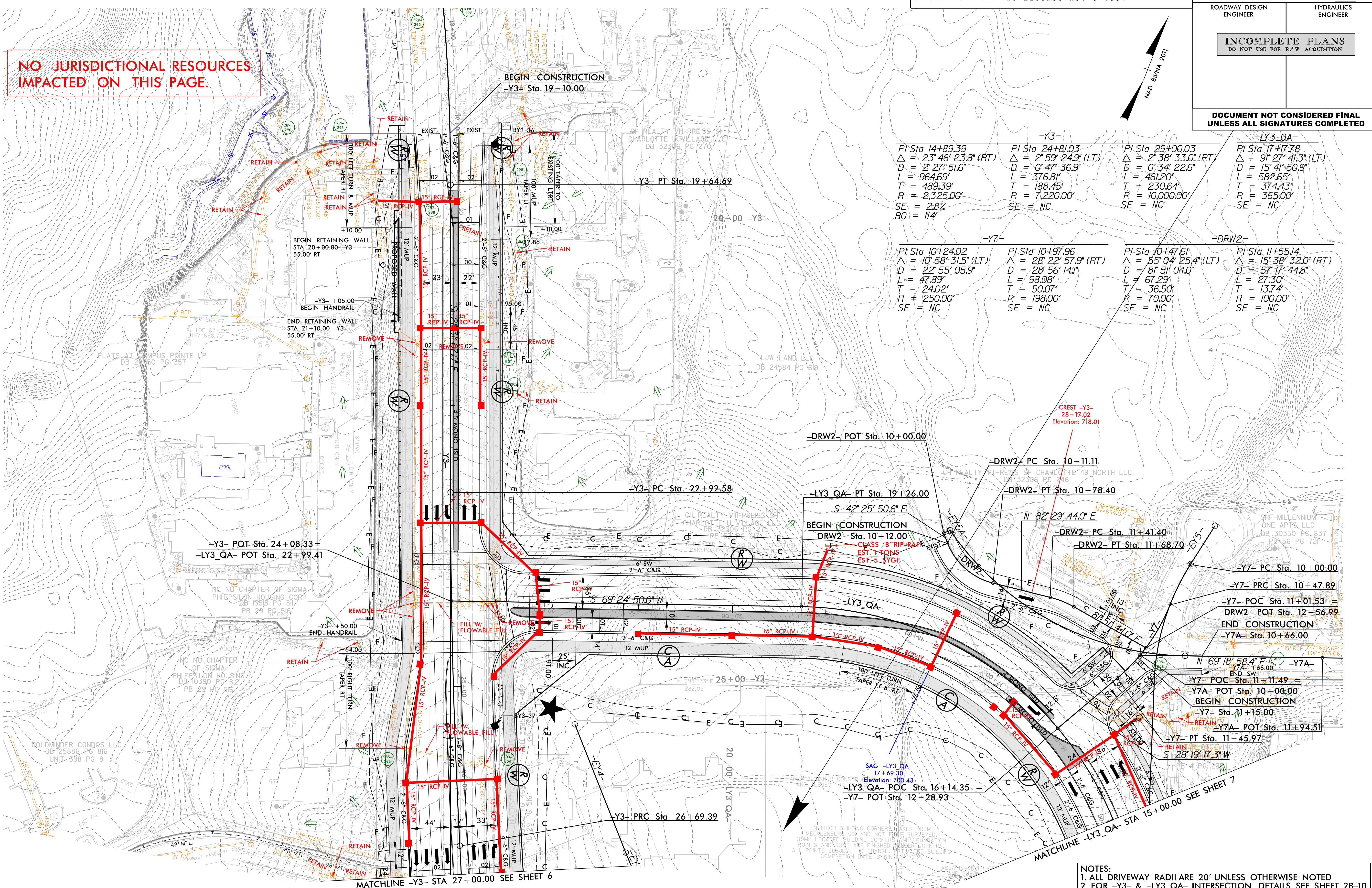
- NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
2. FOR -Y2- PROFILE, SEE SHEET 22

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INTER

PROJECT REFERENCE NO.		SHEET NO.
U-5768		11
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

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- NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED.
 2. FOR -Y3- & -LY3 QA- INTERSECTION DETAILS, SEE SHEET 2B-10.
 3. FOR -LY3 QA- & -Y7- INTERSECTION DETAILS, SEE SHEET 2B-11.
 4. FOR -LY3 QA- PROFILE, SEE SHEET 21.
 5. FOR -Y3- PROFILE, SEE SHEET 24.
 6. FOR -Y7- PROFILE, SEE SHEET 27.
 7. FOR -Y7A- PROFILE, SEE SHEET 27.
 8. FOR -DRW2- PROFILE, SEE SHEET 30.

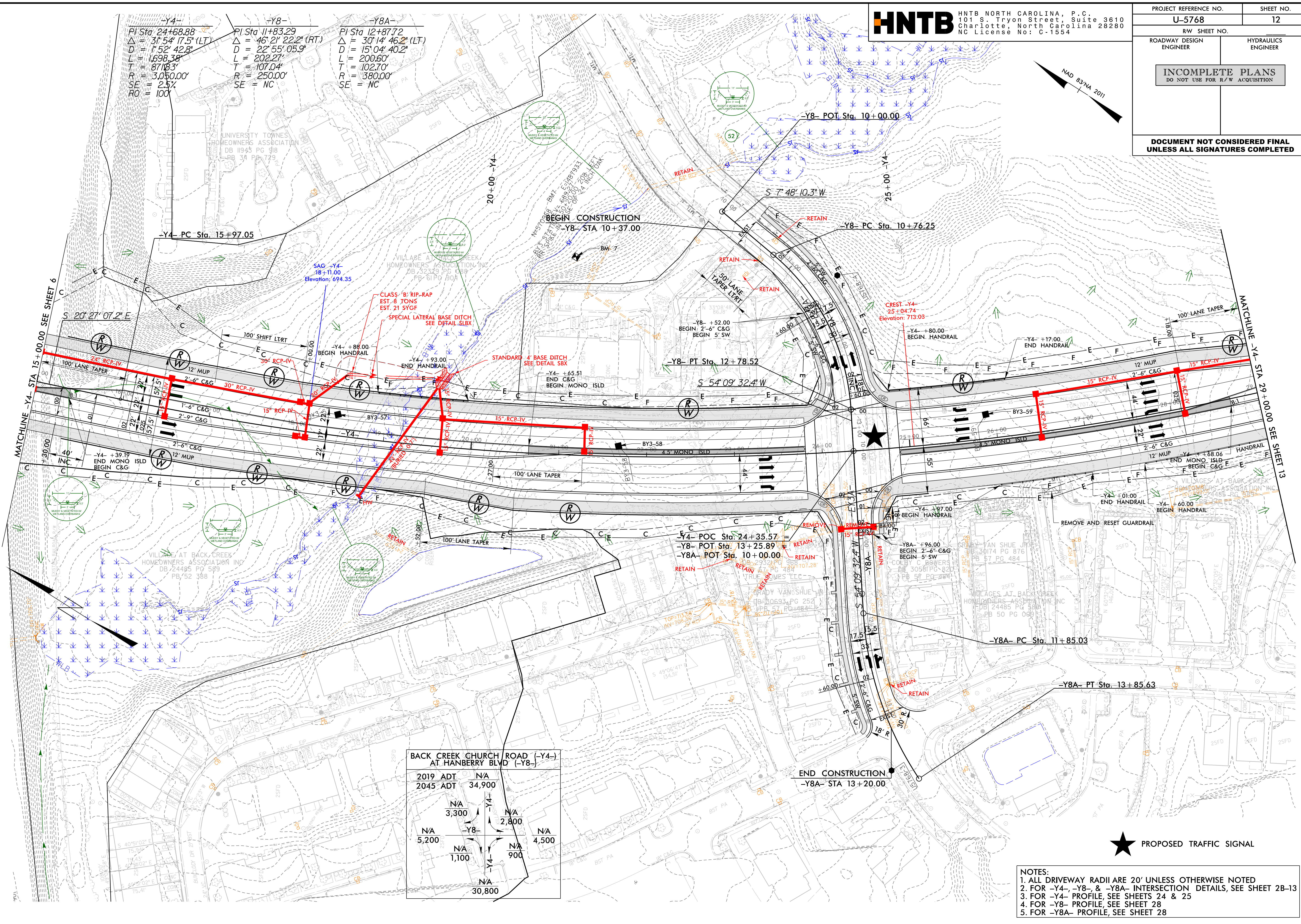
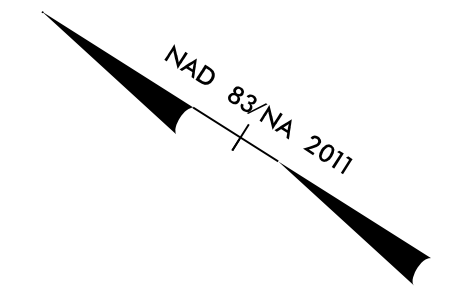
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PROJECT REFERENCE NO.		SHEET NO.
U-5768		12
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

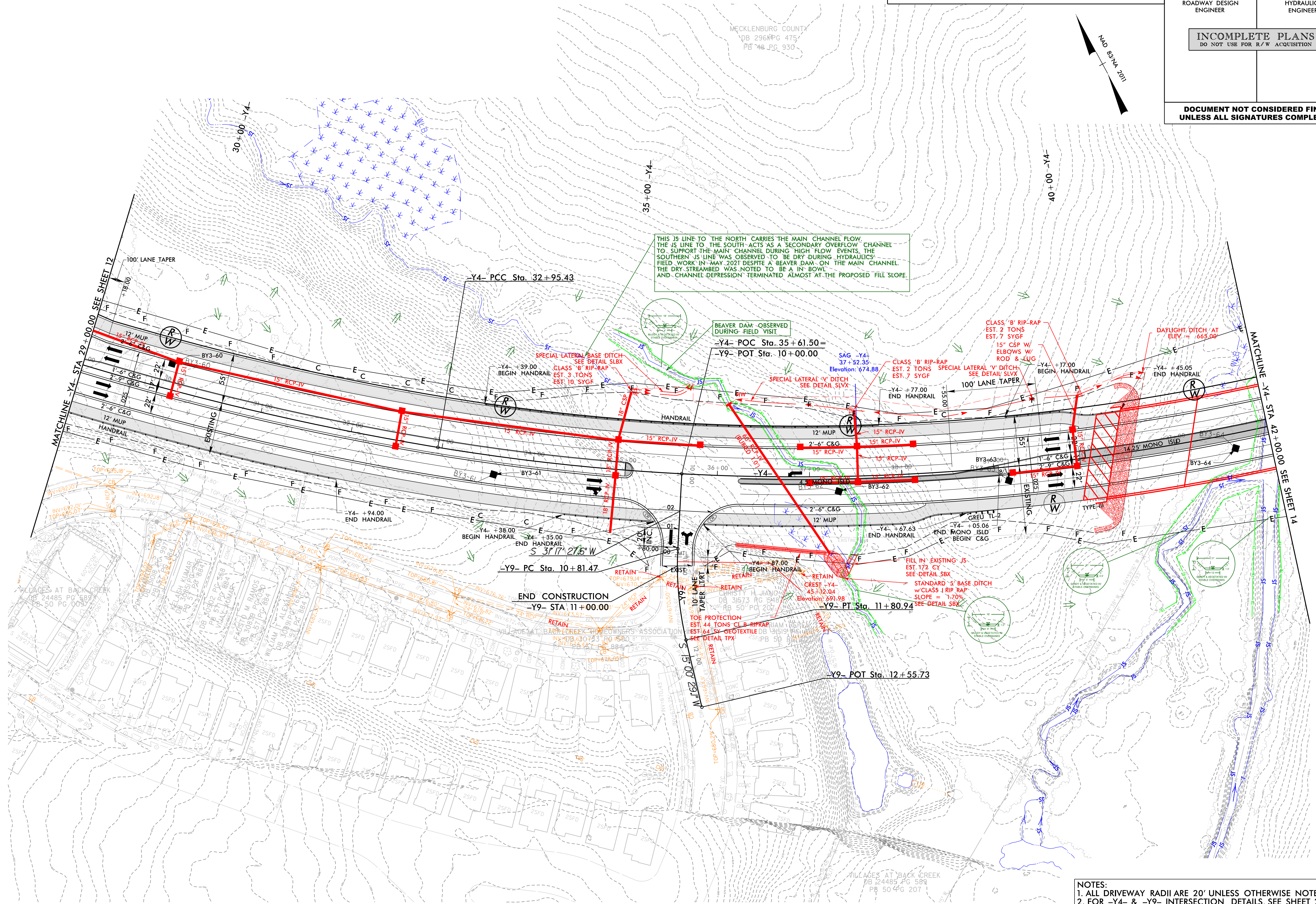


BACK CREEK CHURCH ROAD (-Y4-) AT HANBERRY BLVD (-Y8-)			
2019 ADT	N/A		
2045 ADT	34,900		
	N/A	N/A	
	3,300	2,800	
	N/A	N/A	N/A
	5,200	1,100	4,500
	N/A	N/A	900
	N/A	N/A	30,800



PROPOSED TRAFFIC SIGNAL

- NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
 2. FOR -Y4-, -Y8-, & -Y8A- INTERSECTION DETAILS, SEE SHEET 2B-13
 3. FOR -Y4- PROFILE, SEE SHEETS 24 & 25
 4. FOR -Y8- PROFILE, SEE SHEET 28
 5. FOR -Y8A- PROFILE, SEE SHEET 28



- NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
2. FOR -Y4- & -Y9- INTERSECTION DETAILS, SEE SHEET 2B-14
3. FOR -Y4- PROFILE, SEE SHEET 25
4. FOR -Y9- PROFILE, SEE SHEET 28

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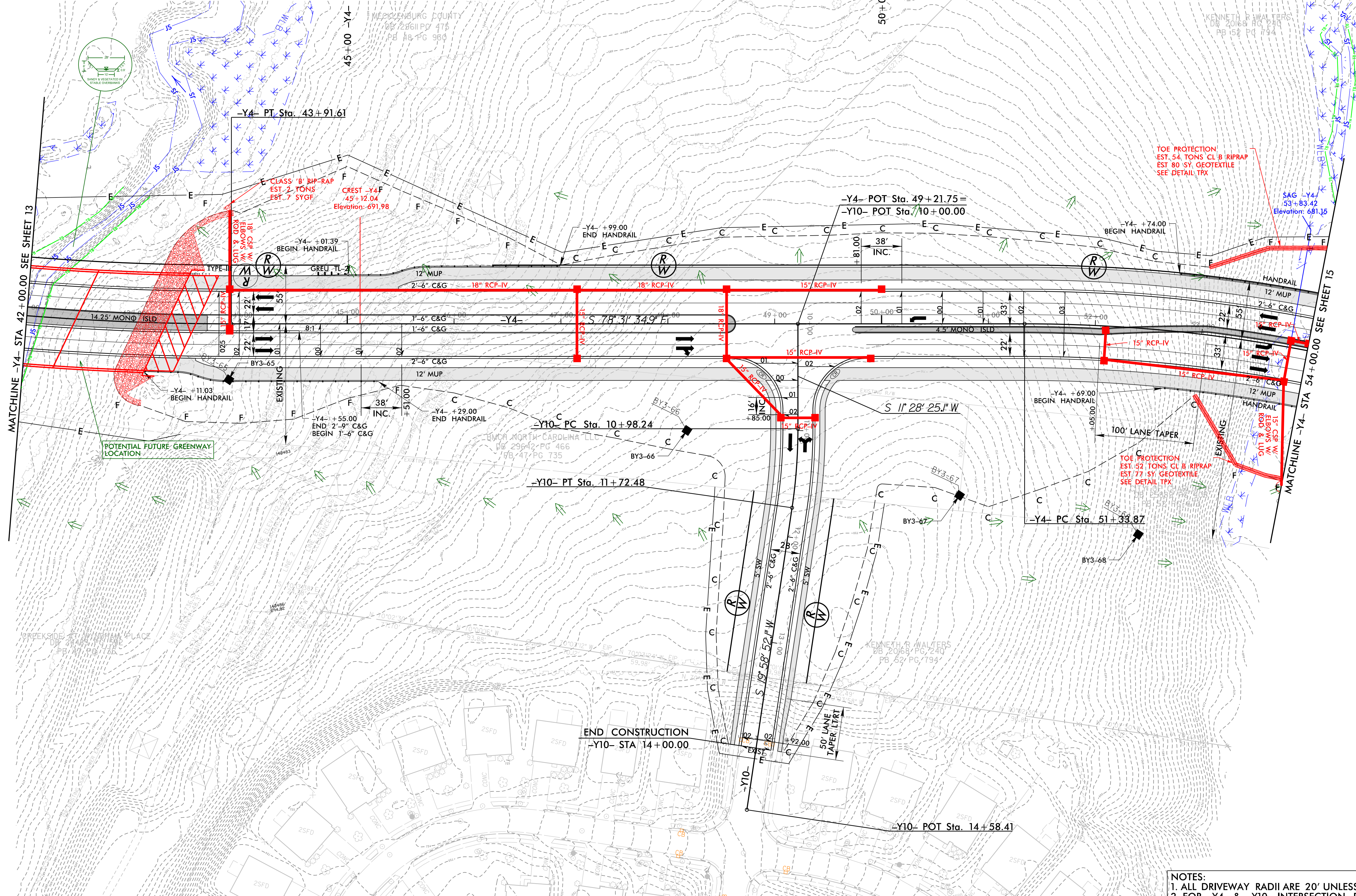
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PROJECT REFERENCE NO.		SHEET NO.
U-5768		14
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
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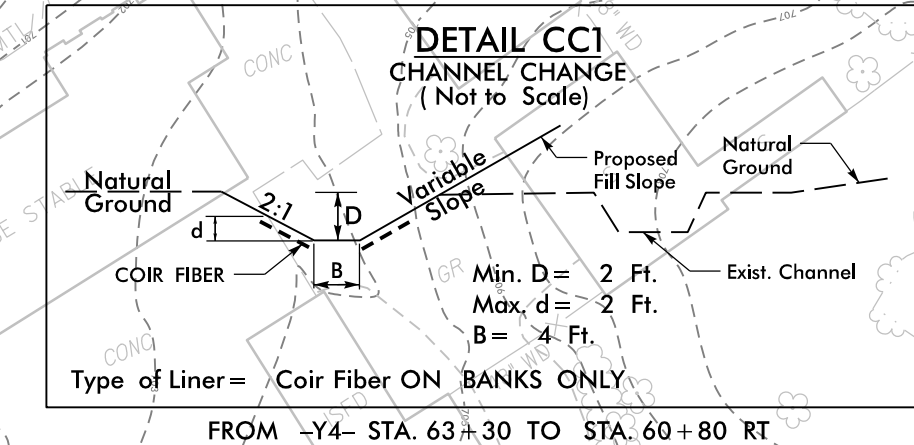
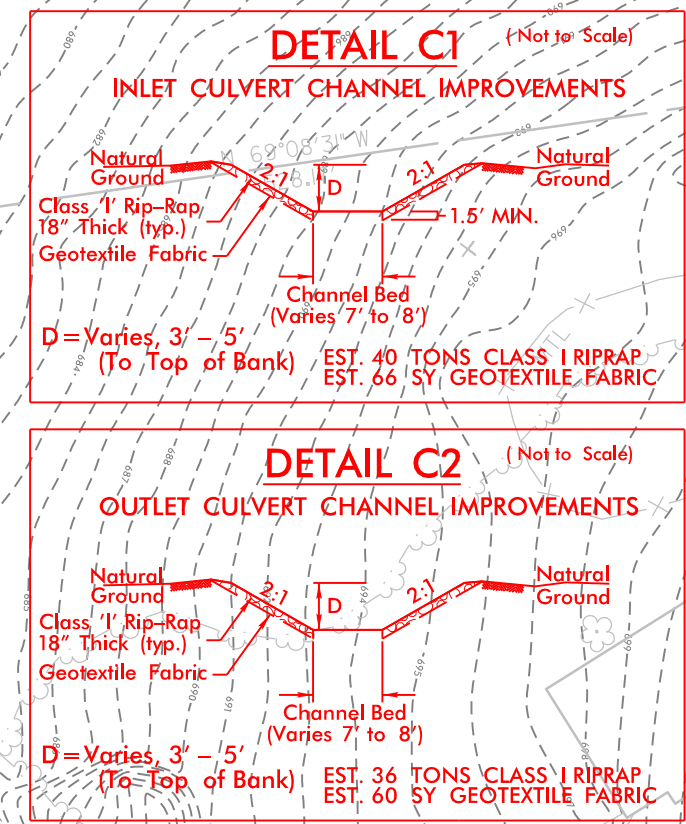
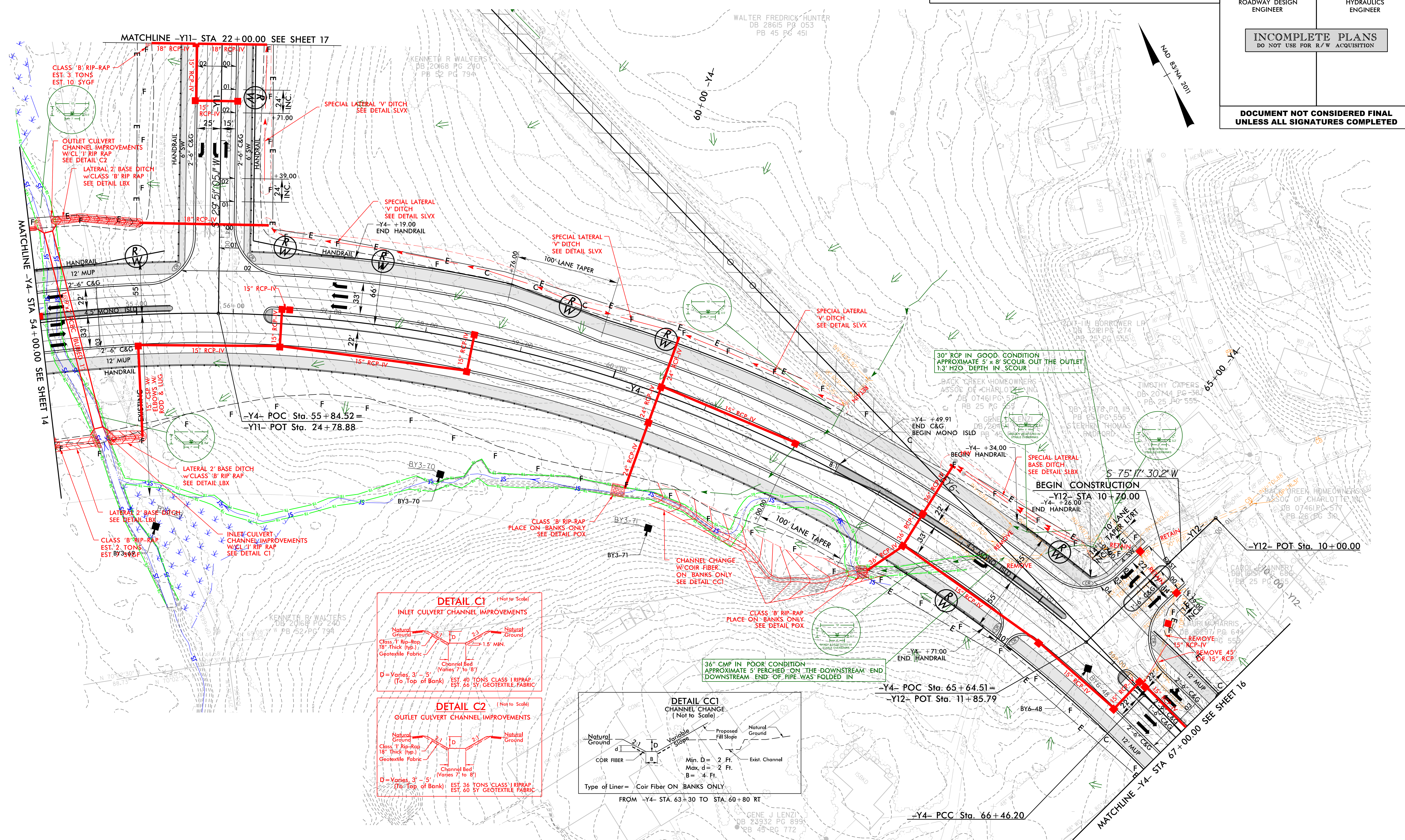


- NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
 2. FOR -Y4- & -Y10- INTERSECTION DETAILS, SEE SHEET 28-14
 3. FOR -Y4- PROFILE, SEE SHEETS 25 & 26
 4. FOR -Y10- PROFILE, SEE SHEET 28

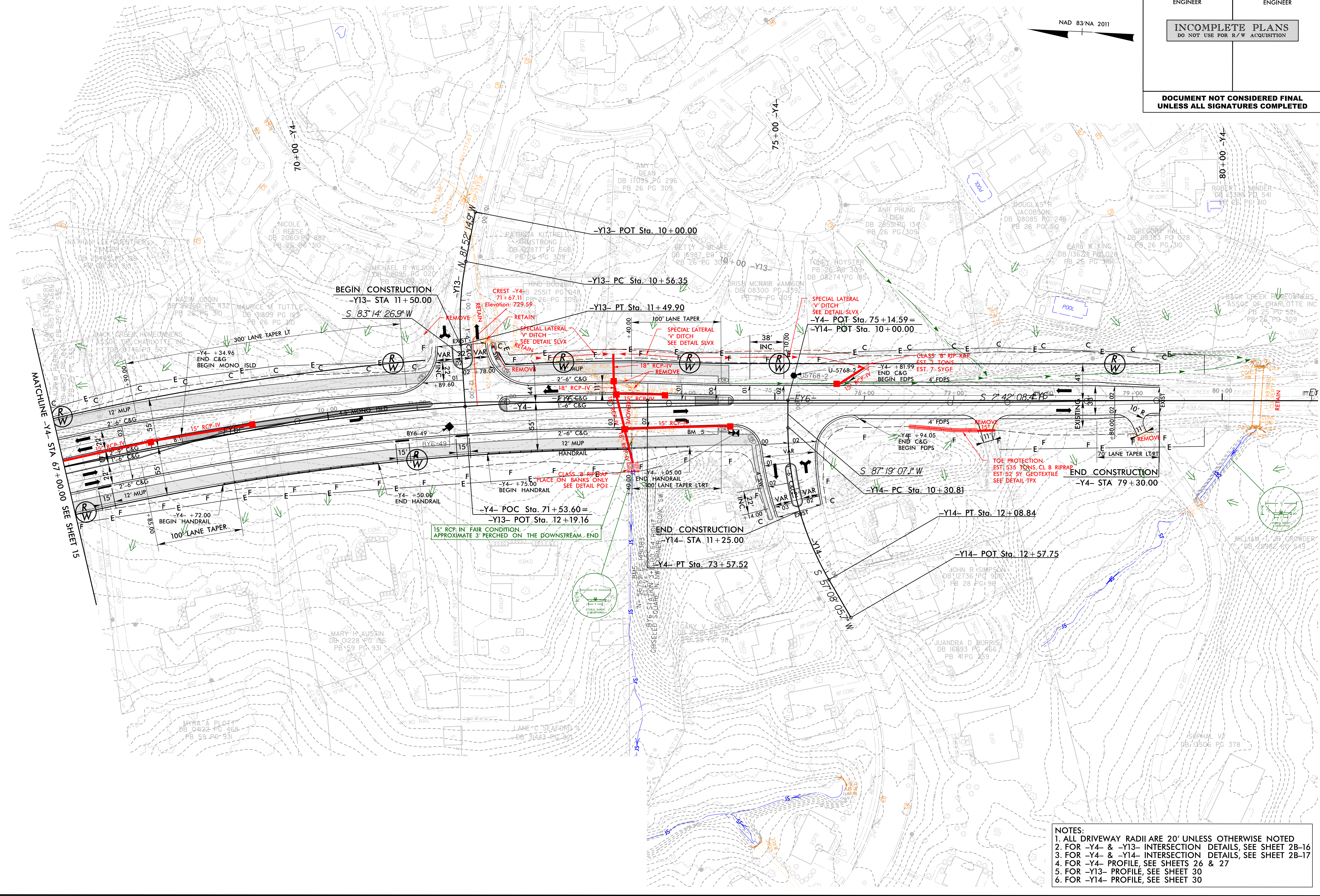
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PROJECT REFERENCE NO.		SHEET NO.
U-5768		15
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



- NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
 2. FOR -Y4- & -Y11- INTERSECTION DETAILS, SEE SHEET 2B-15
 3. FOR -Y4- & -Y12- INTERSECTION DETAILS, SEE SHEET 2B-16
 4. FOR -Y4- PROFILE, SEE SHEET 26
 5. FOR -Y11- PROFILE, SEE SHEET 29
 6. FOR -Y12- PROFILE, SEE SHEET 29



- NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
 2. FOR -Y4- & -Y13- INTERSECTION DETAILS, SEE SHEET 2B-16
 3. FOR -Y4- & -Y14- INTERSECTION DETAILS, SEE SHEET 2B-17
 4. FOR -Y4- PROFILE, SEE SHEETS 26 & 27
 5. FOR -Y13- PROFILE, SEE SHEET 30
 6. FOR -Y14- PROFILE, SEE SHEET 30

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BEGIN CONSTRUCTION
-Y11- STA 15+50.00
-Y11- PC Sta. 13+42.40
-Y11- PCC Sta. 15+53.73

BEGIN CONSTRUCTION
-DRW1- POT Sta. 14+41.02 =
-Y11- POC Sta. 18+91.96

BEGIN CONSTRUCTION
-DRW1- POT Sta. 10+00.00
S 87° 42' 33.9" W

BEGIN CONSTRUCTION
-DRW1- PC Sta. 10+73.51
-DRW1- PT Sta. 11+13.15

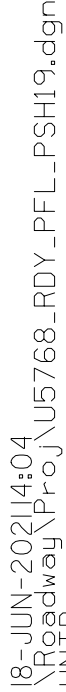
BEGIN CONSTRUCTION
-Y11- PT Sta. 21+90.22

DRIVEWAY CURVE DATA

Station	Delta	D	L	T	R	SE	RO
PI Sta 14+48.27	Δ = 8° 38' 56.7" (RT)	D = 4° 05' 33.2"	L = 211.34'	T = 105.87'	R = 1,400.00'	SE = EXIST	RO = 48.00'
PI Sta 18+91.87	Δ = 47° 51' 29.4" (RT)	D = 7° 31' 08.9"	L = 636.49'	T = 338.13'	R = 762.00'	SE = 2%	RO = 48.00'
PI Sta 10+94.44	Δ = 45° 25' 42.2" (RT)	D = 11° 43' 29.6"	L = 39.64'	T = 20.93'	R = 50.00'	SE = NC	
PI Sta 13+87.66	Δ = 35° 42' 45.8" (LT)	D = 11° 43' 29.6"	L = 31.77'	T = 16.11'	R = 50.00'	SE = NC	

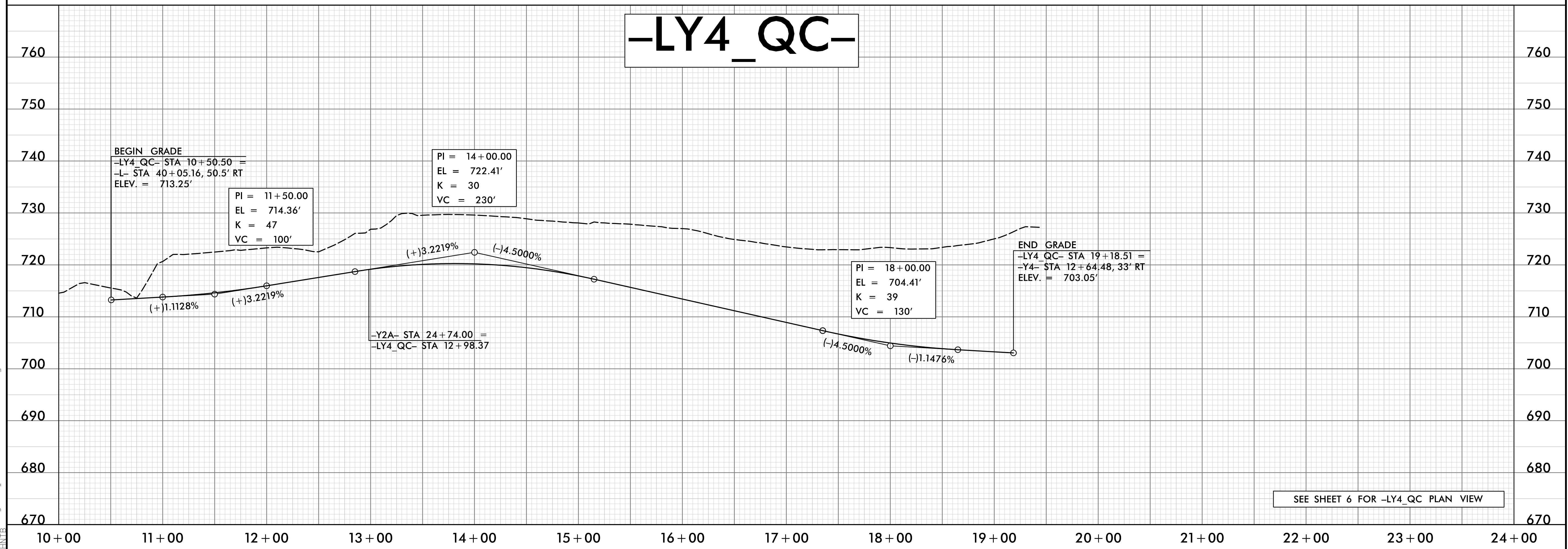
NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
2. FOR -Y6A- PROFILE, SEE SHEET 27
3. FOR -Y11- PROFILE, SEE SHEET 29
4. FOR -DRW1- PROFILE, SEE SHEET 30

- NOTES:
1. ALL DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
2. FOR -Y6A- PROFILE, SEE SHEET 27
3. FOR -Y11- PROFILE, SEE SHEET 29
4. FOR -DRW1- PROFILE, SEE SHEET 30



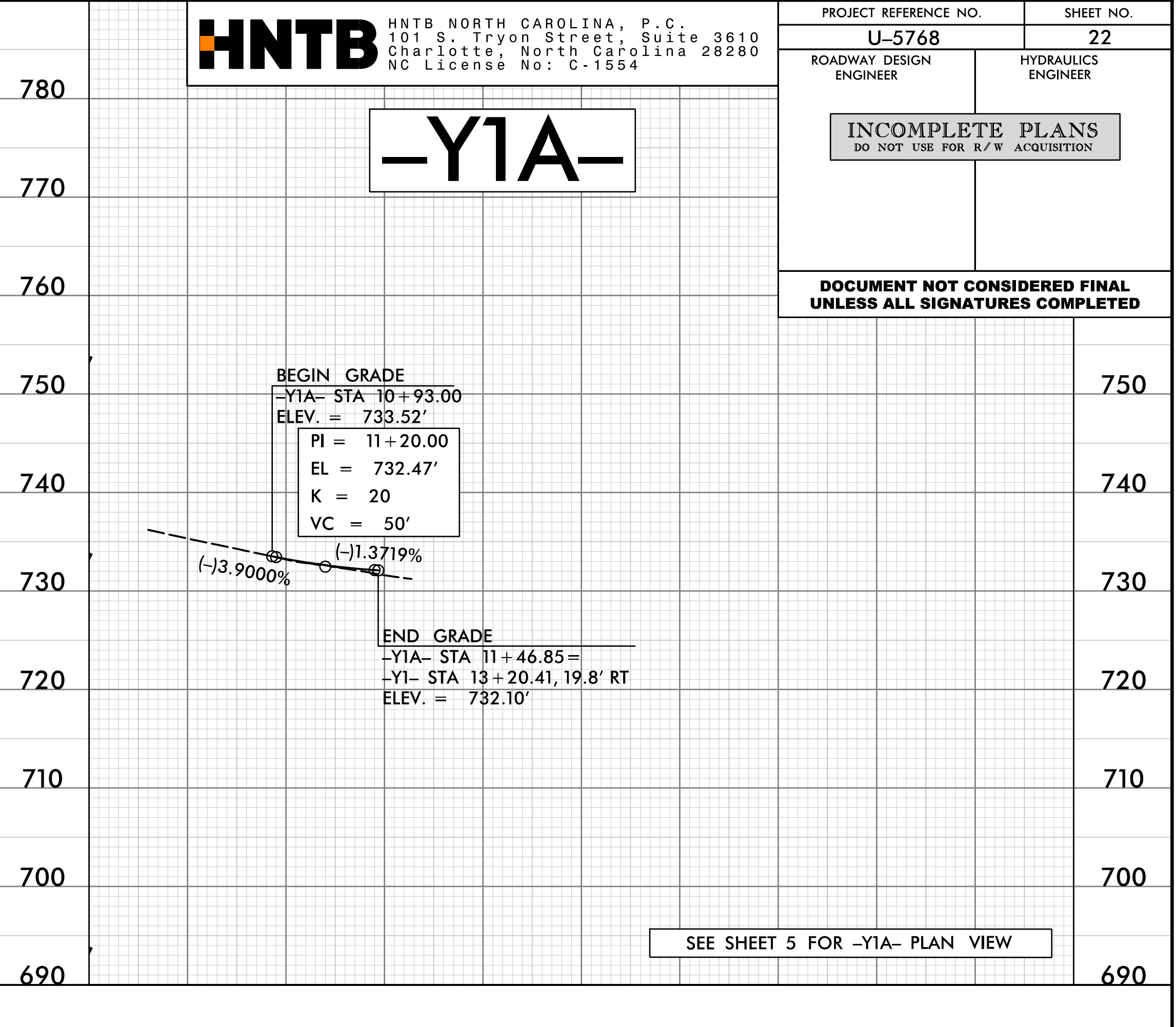
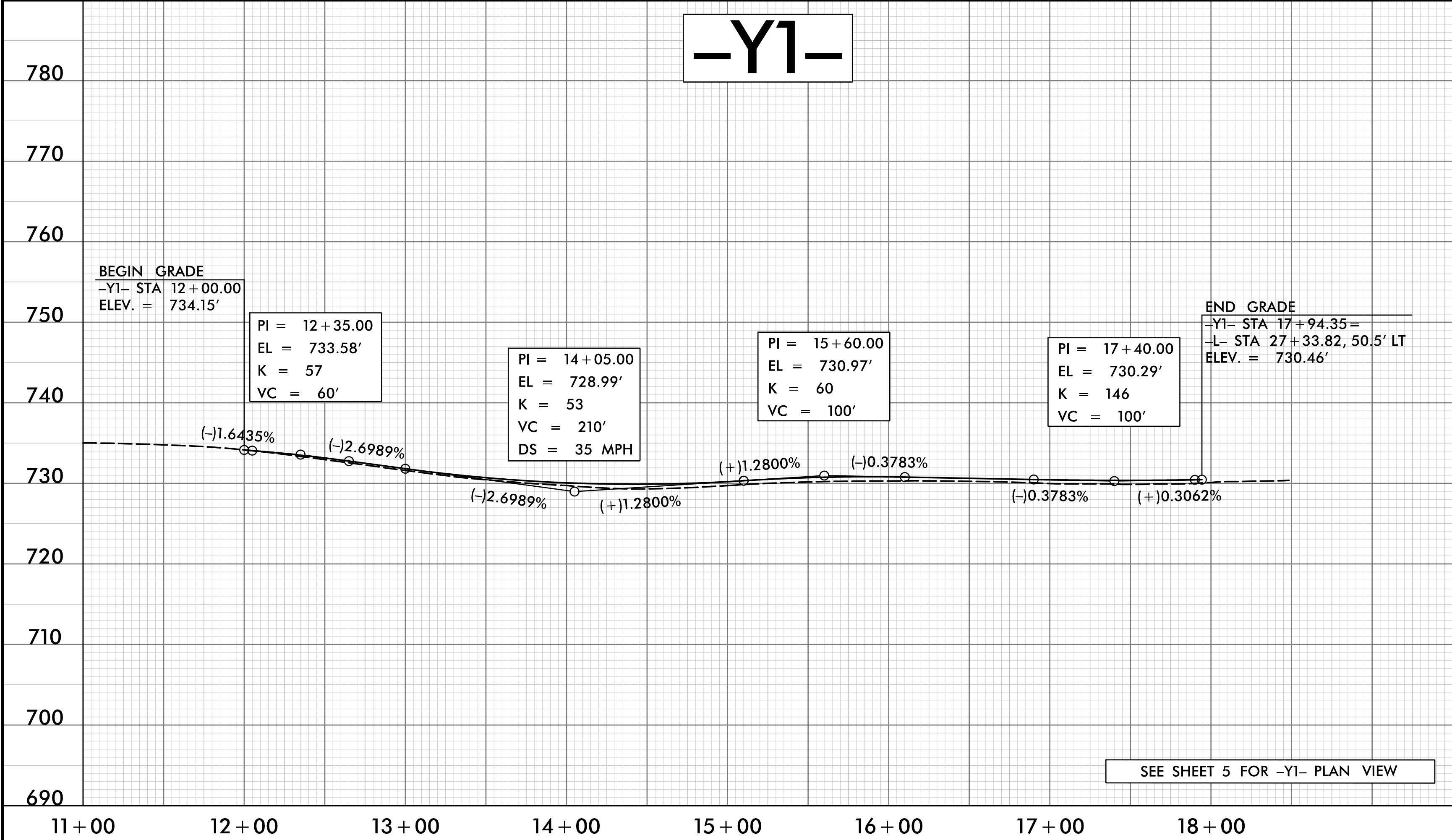
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						730
						720
						710
						700
GRADE						690
9' =						680
5' LT						670
79'						
PLAN FOR -LY3_QA- PLAN VIEW						
23 + 00			24 + 00			



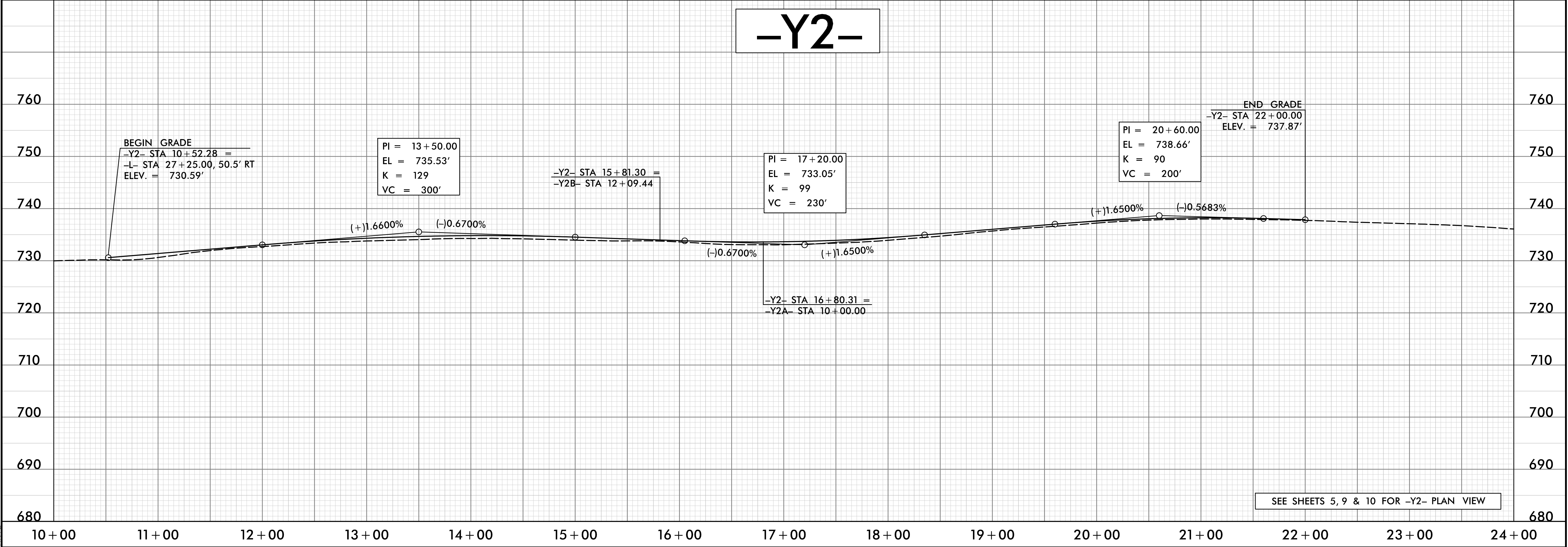
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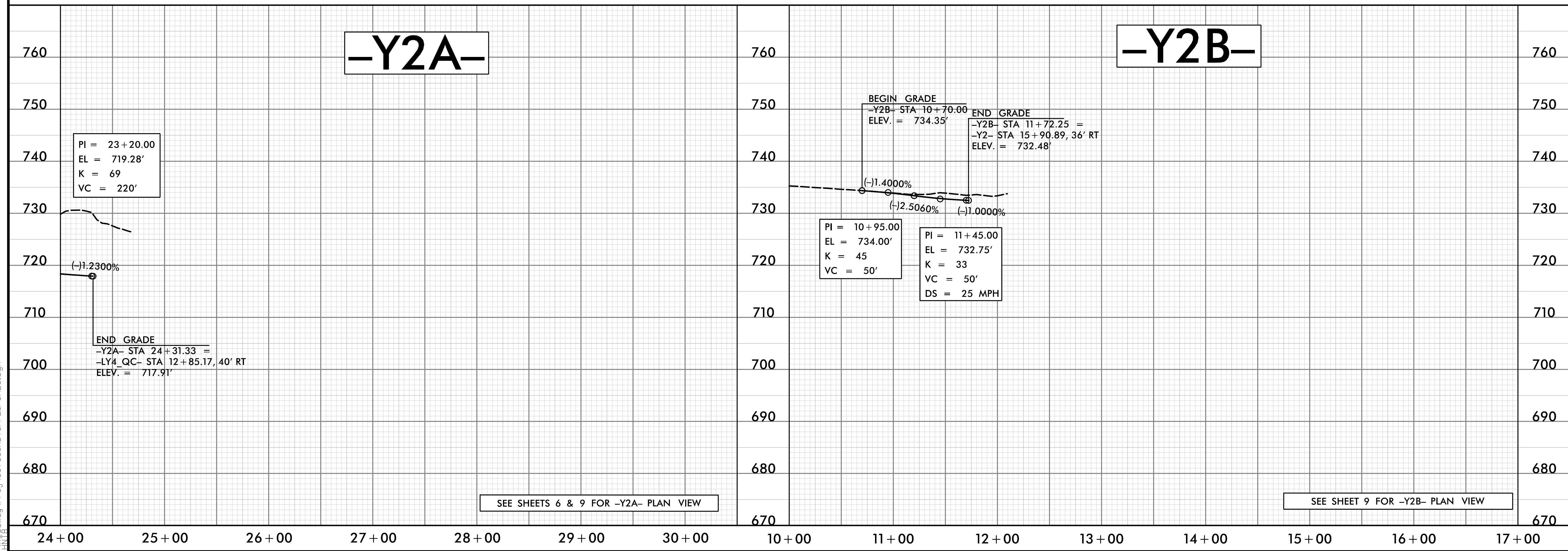
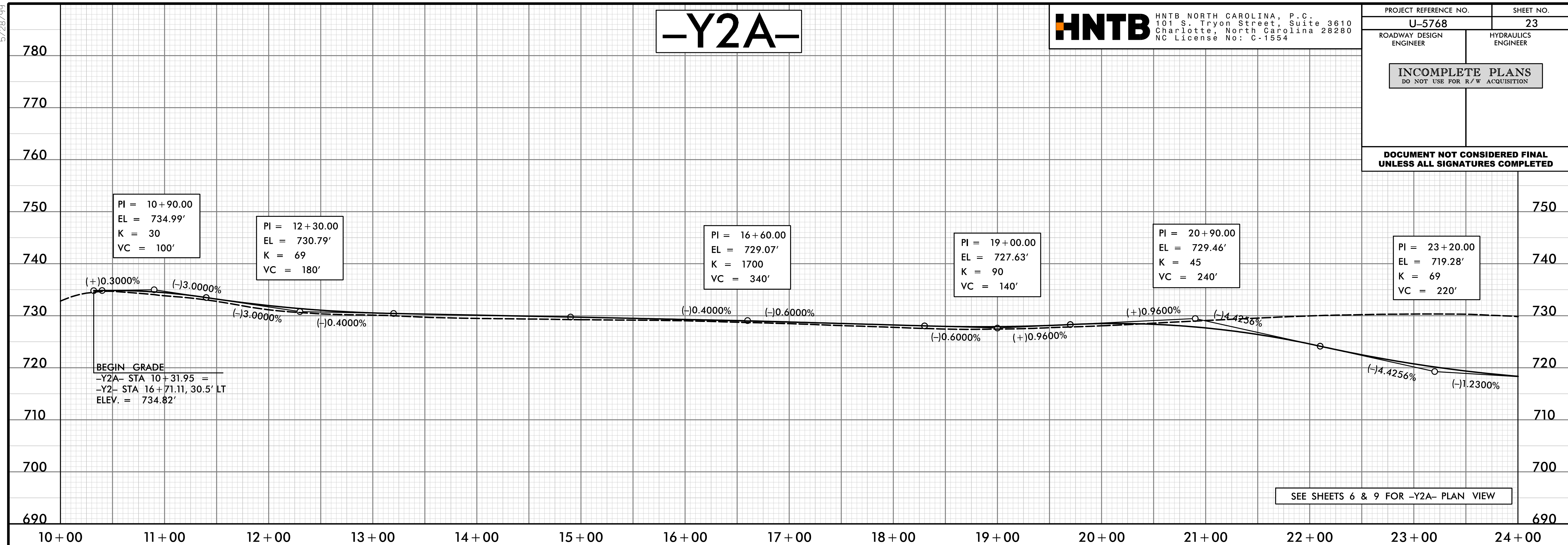
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PROJECT REFERENCE NO.		SHEET NO.	
U-5768		22	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
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SHEET NO.

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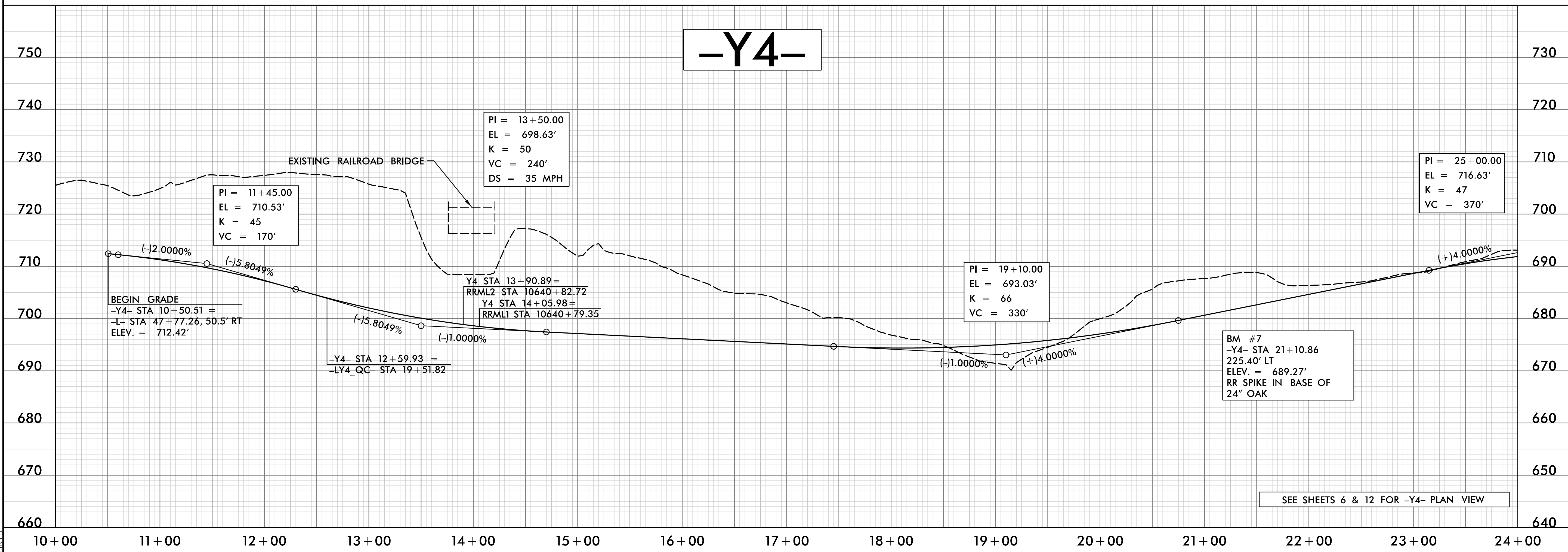
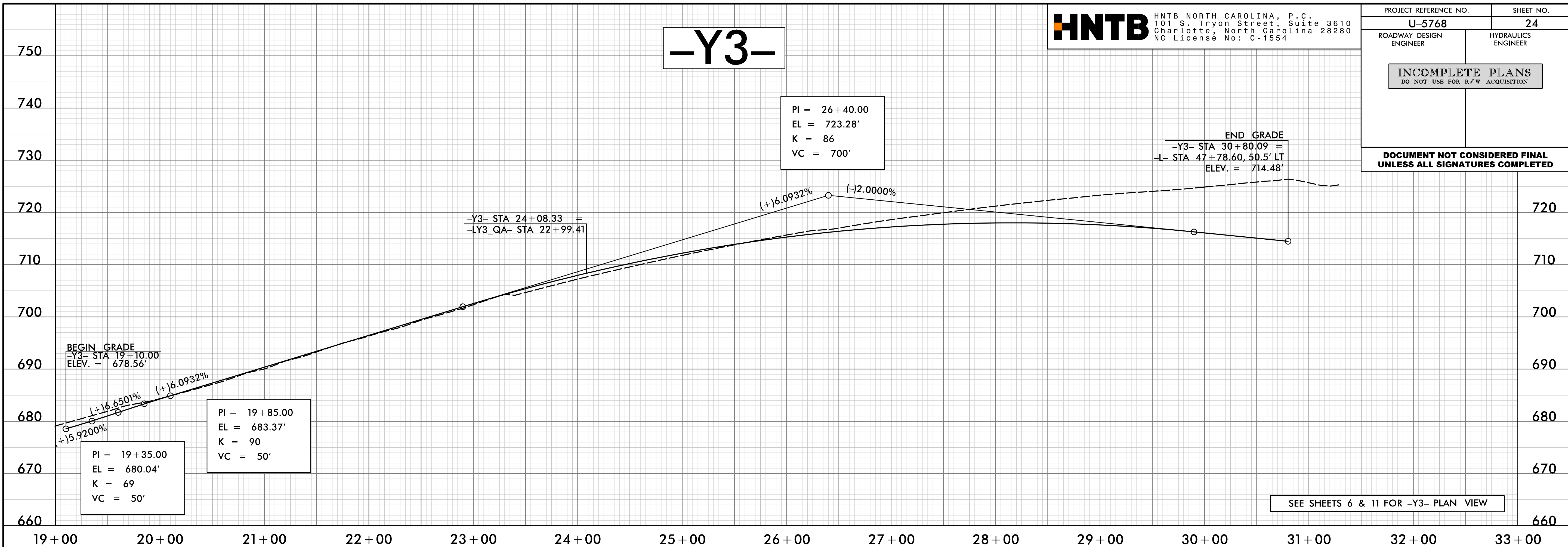
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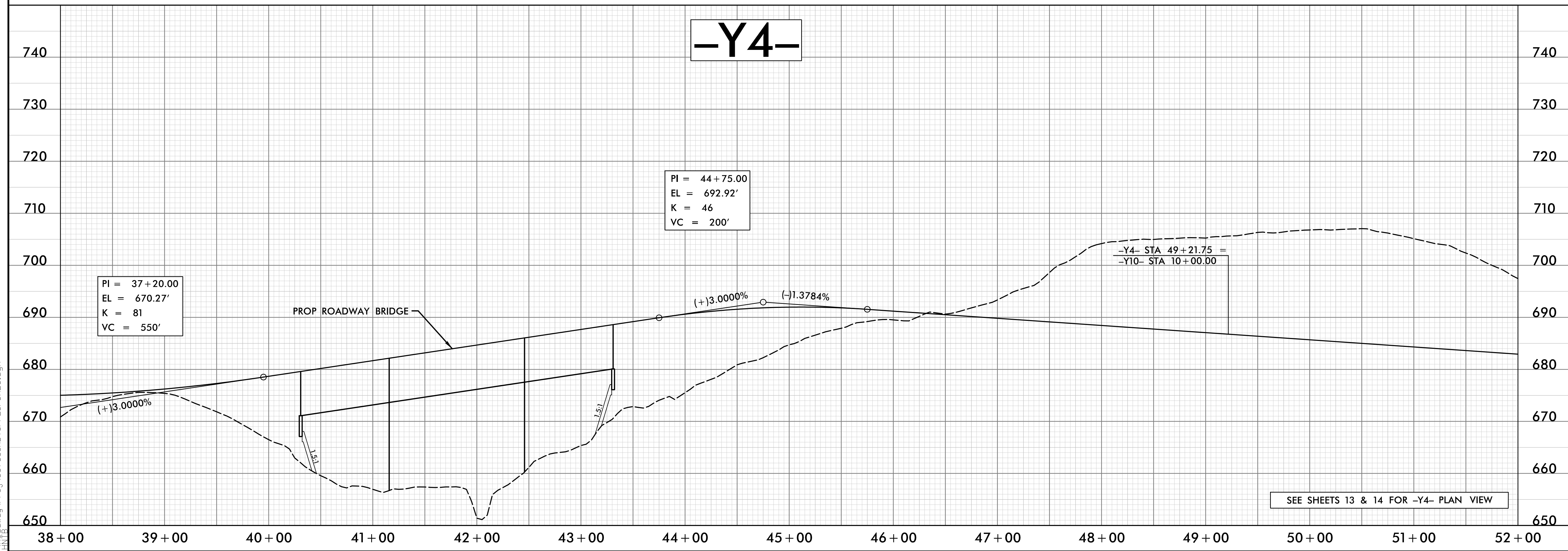
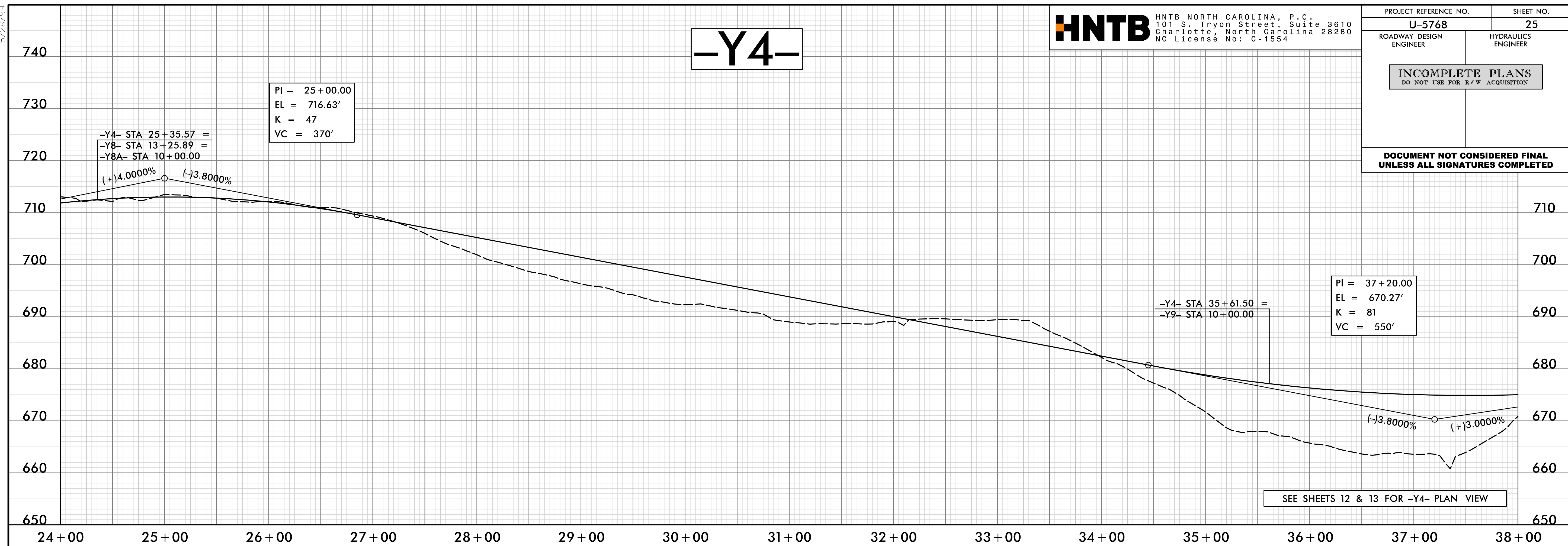
ROADWAY DESIGN
ENGINEERHYDRAULICS
ENGINEER

INCOMPLETE PLANS

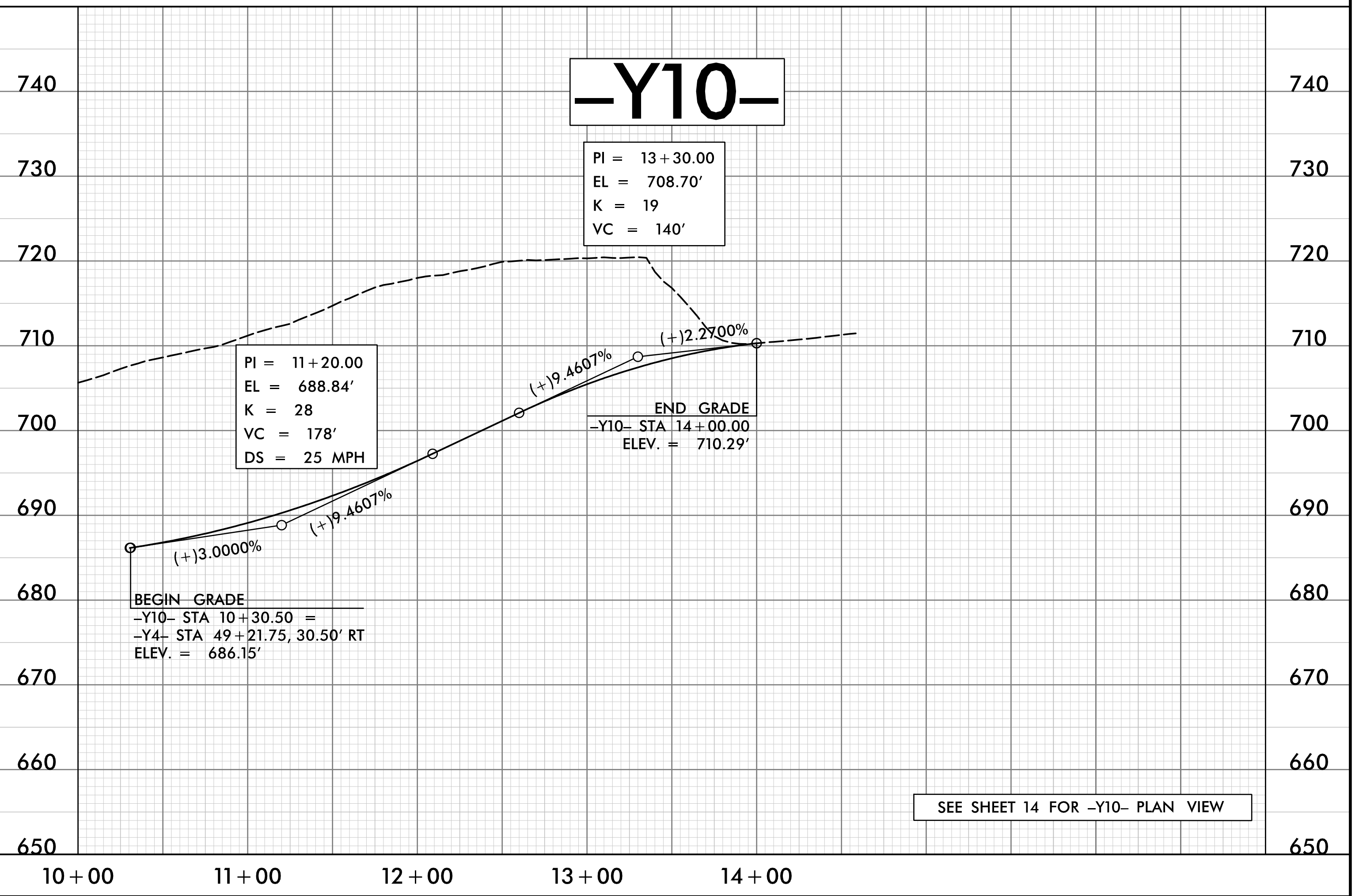
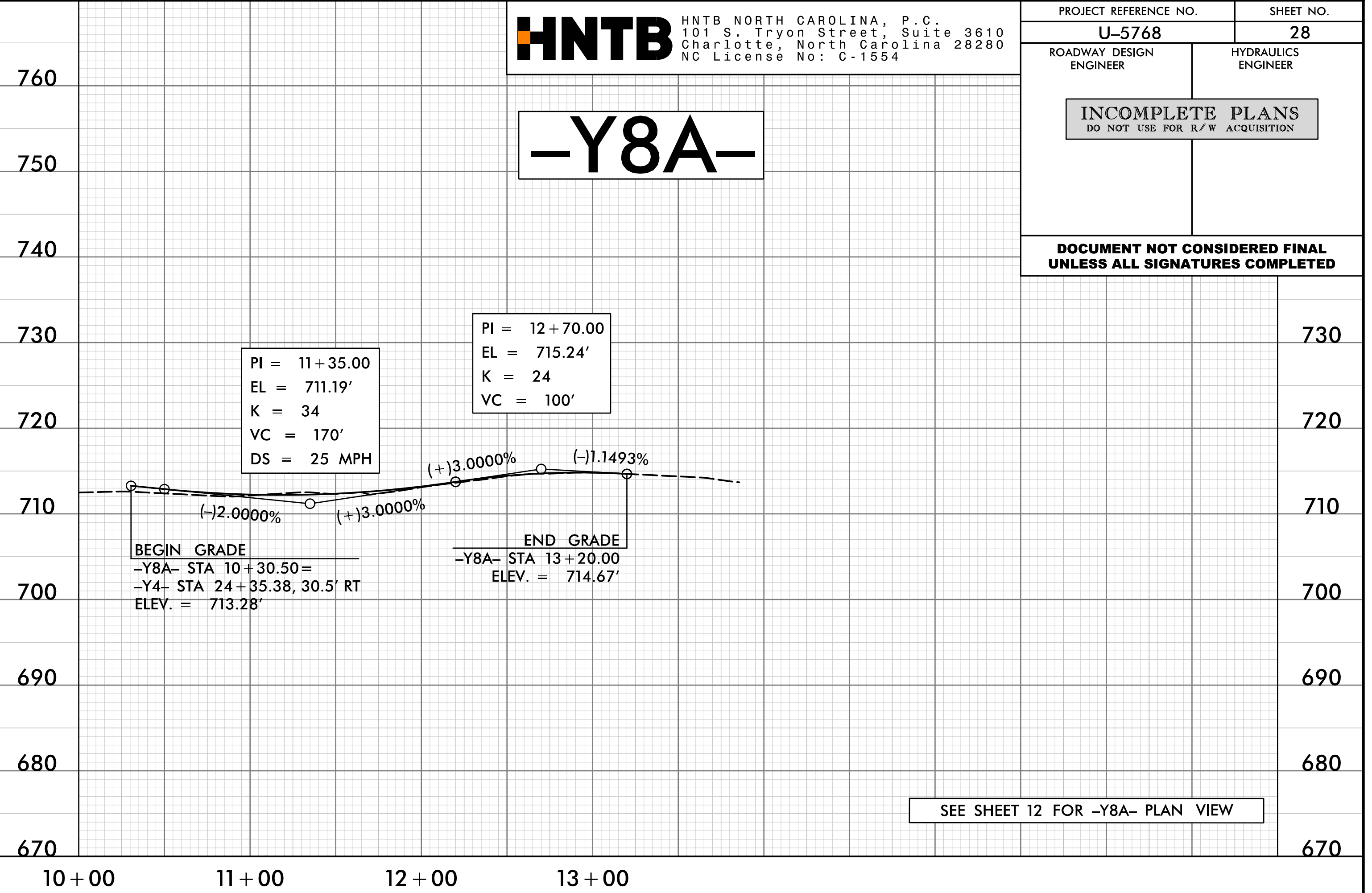
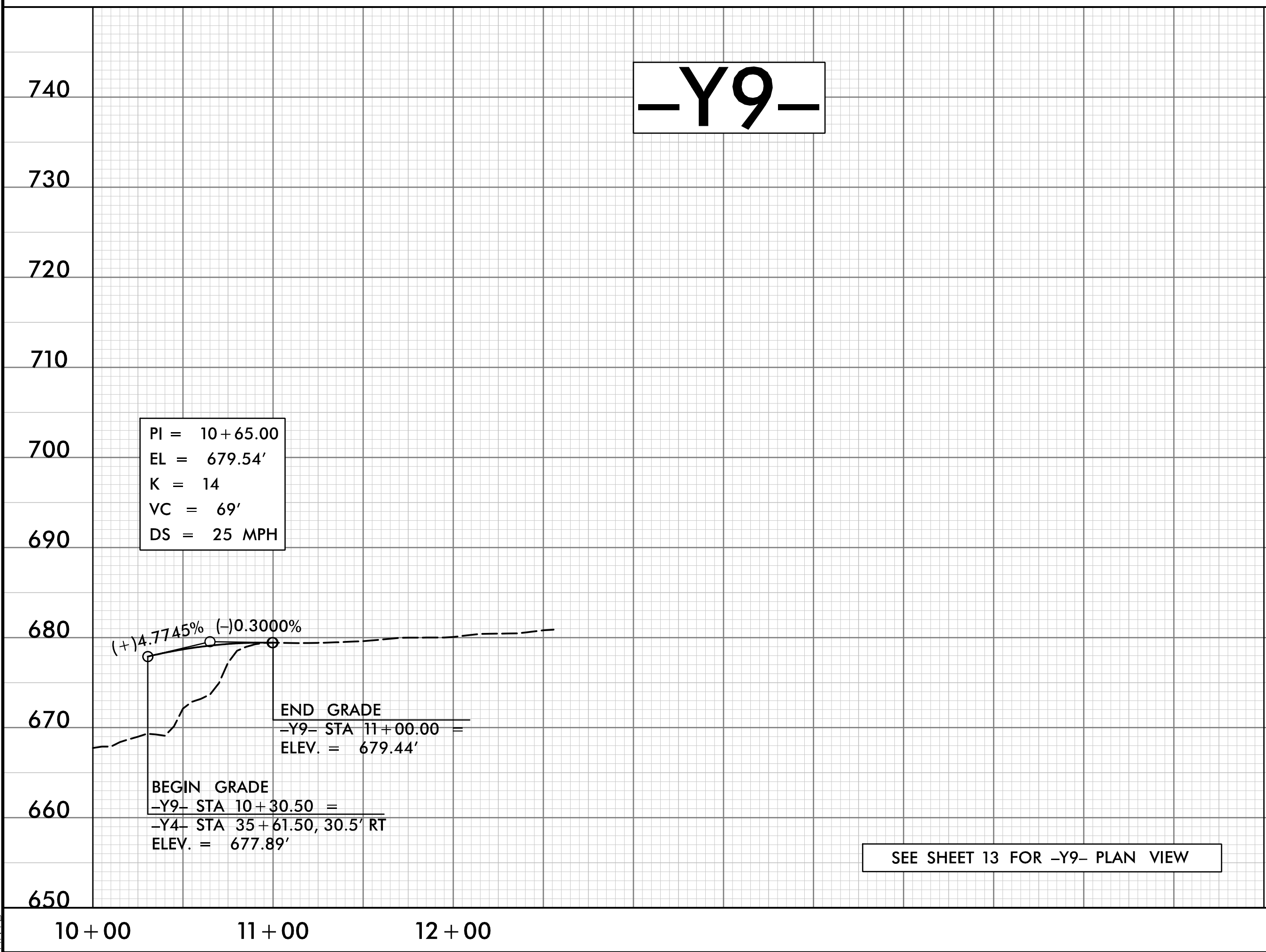
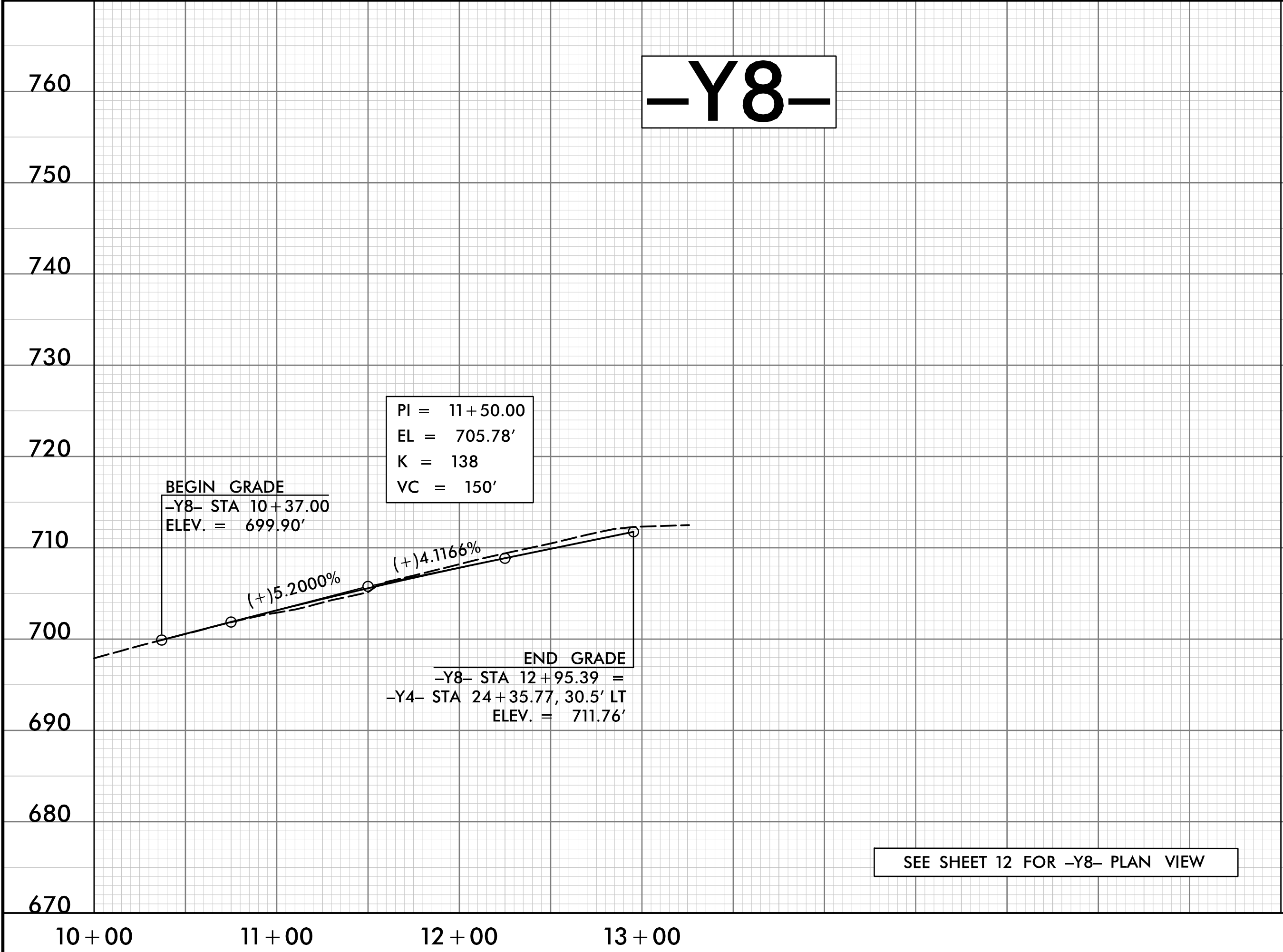
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
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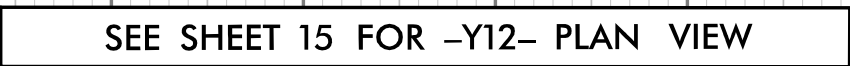
29

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

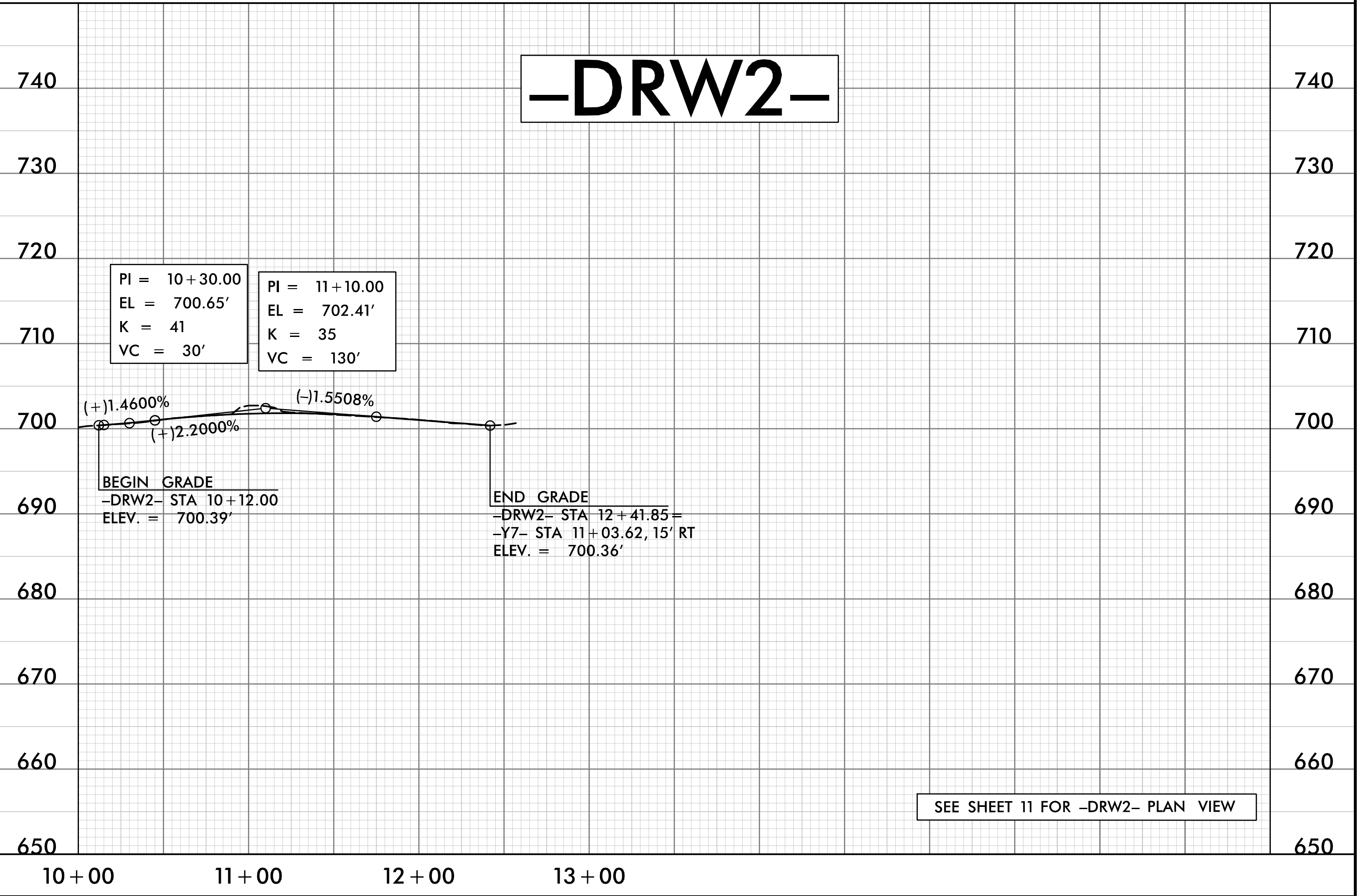
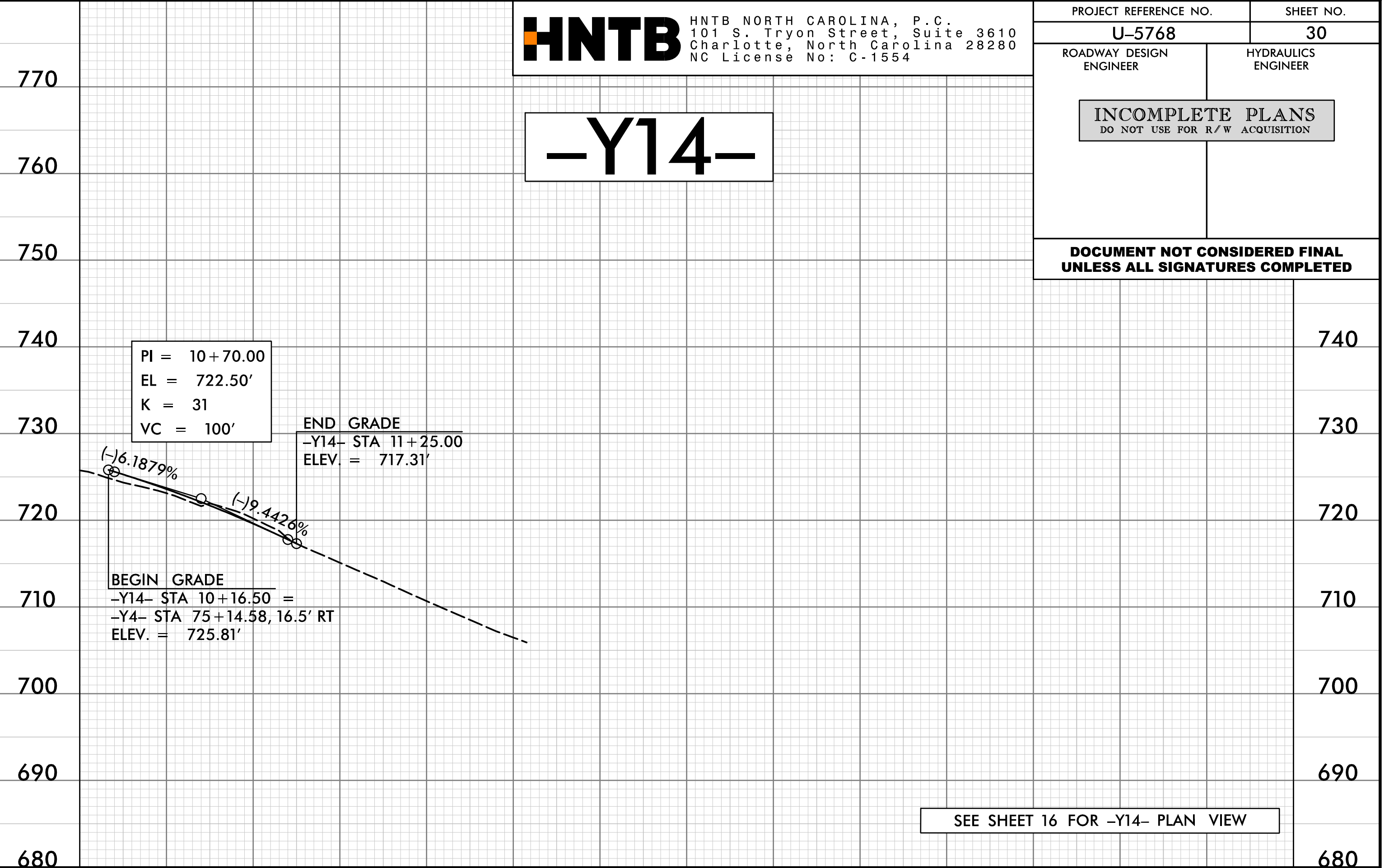
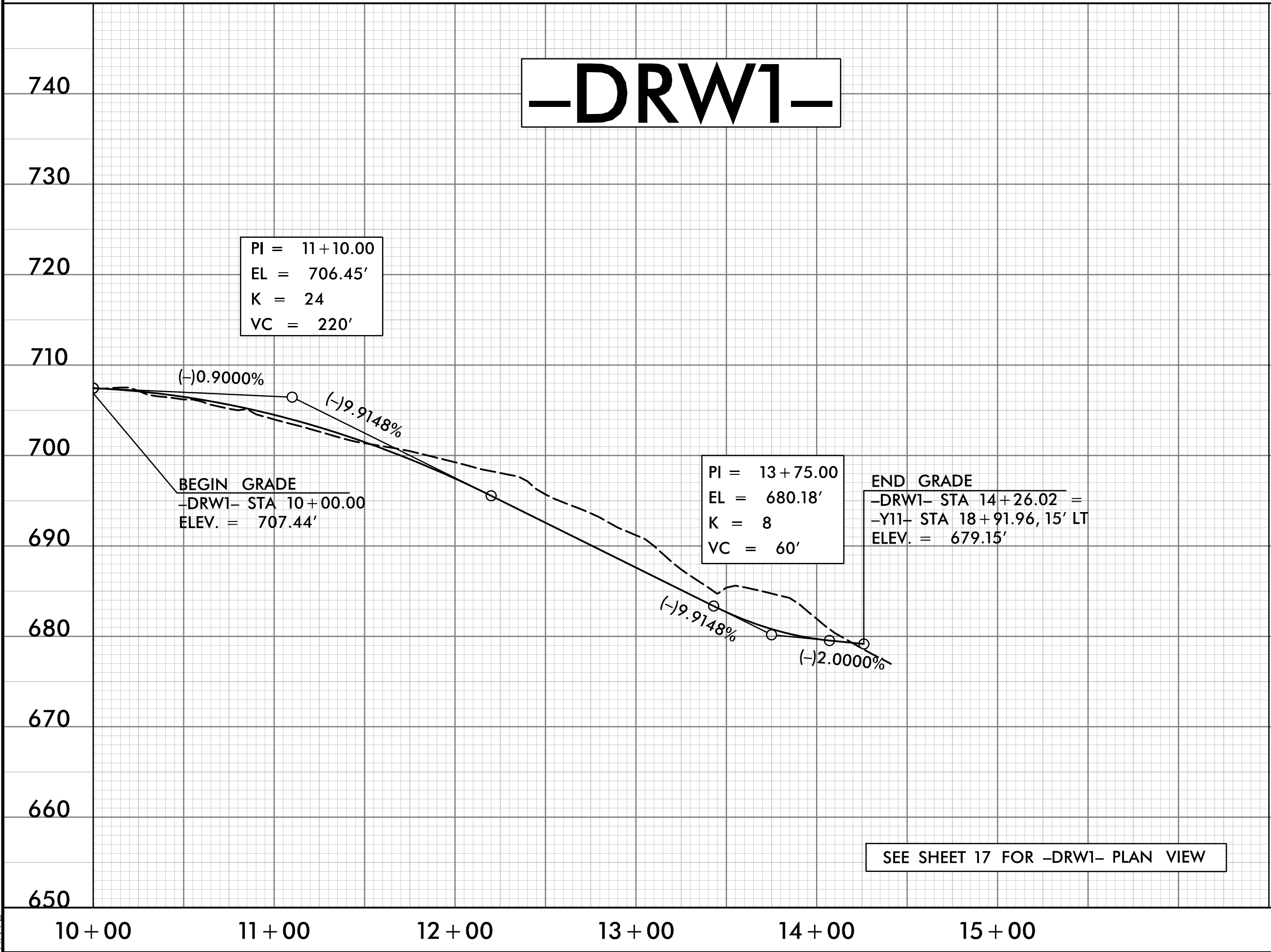
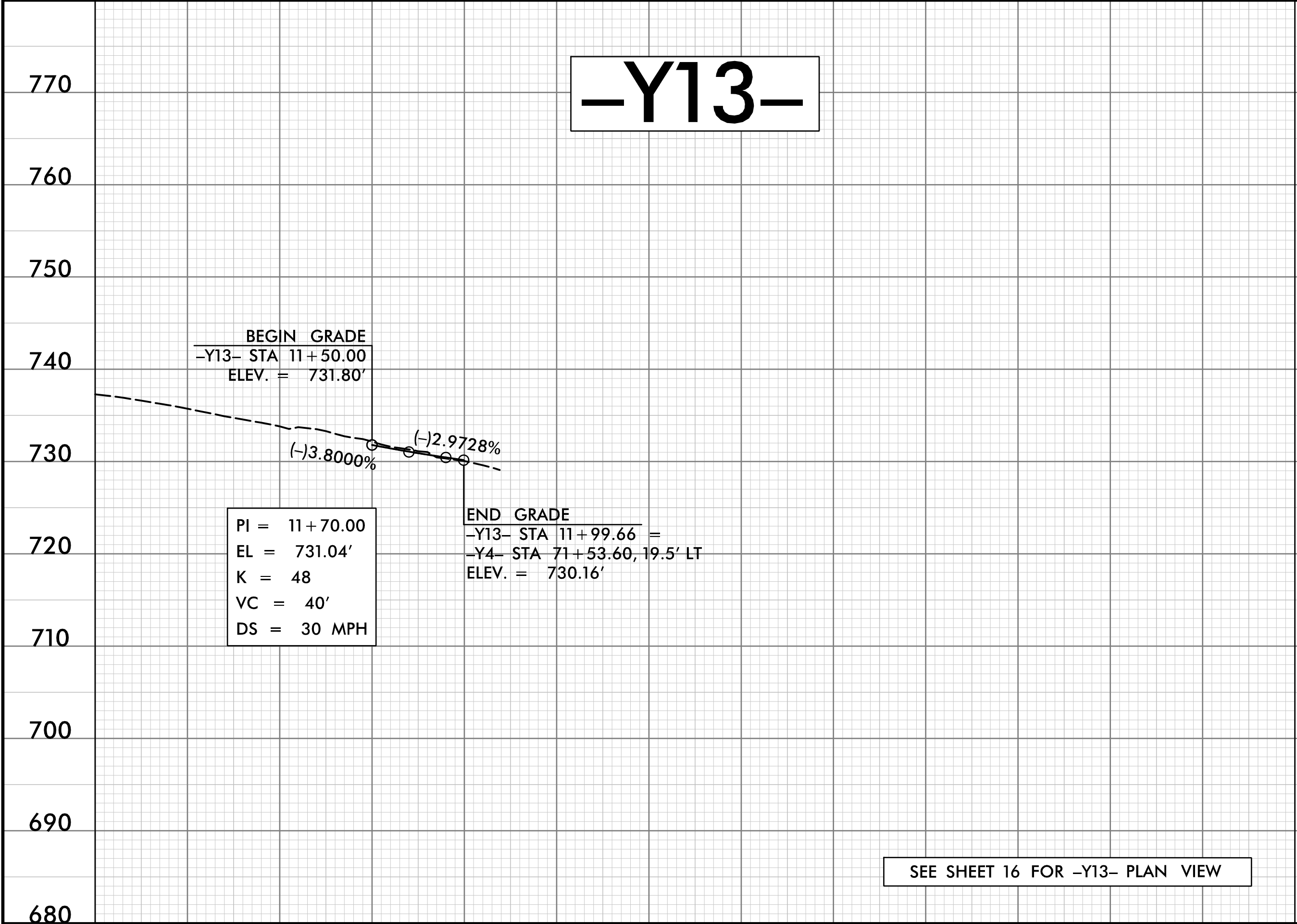
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PROJECT REFERENCE NO. U-5768		SHEET NO. 30
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