

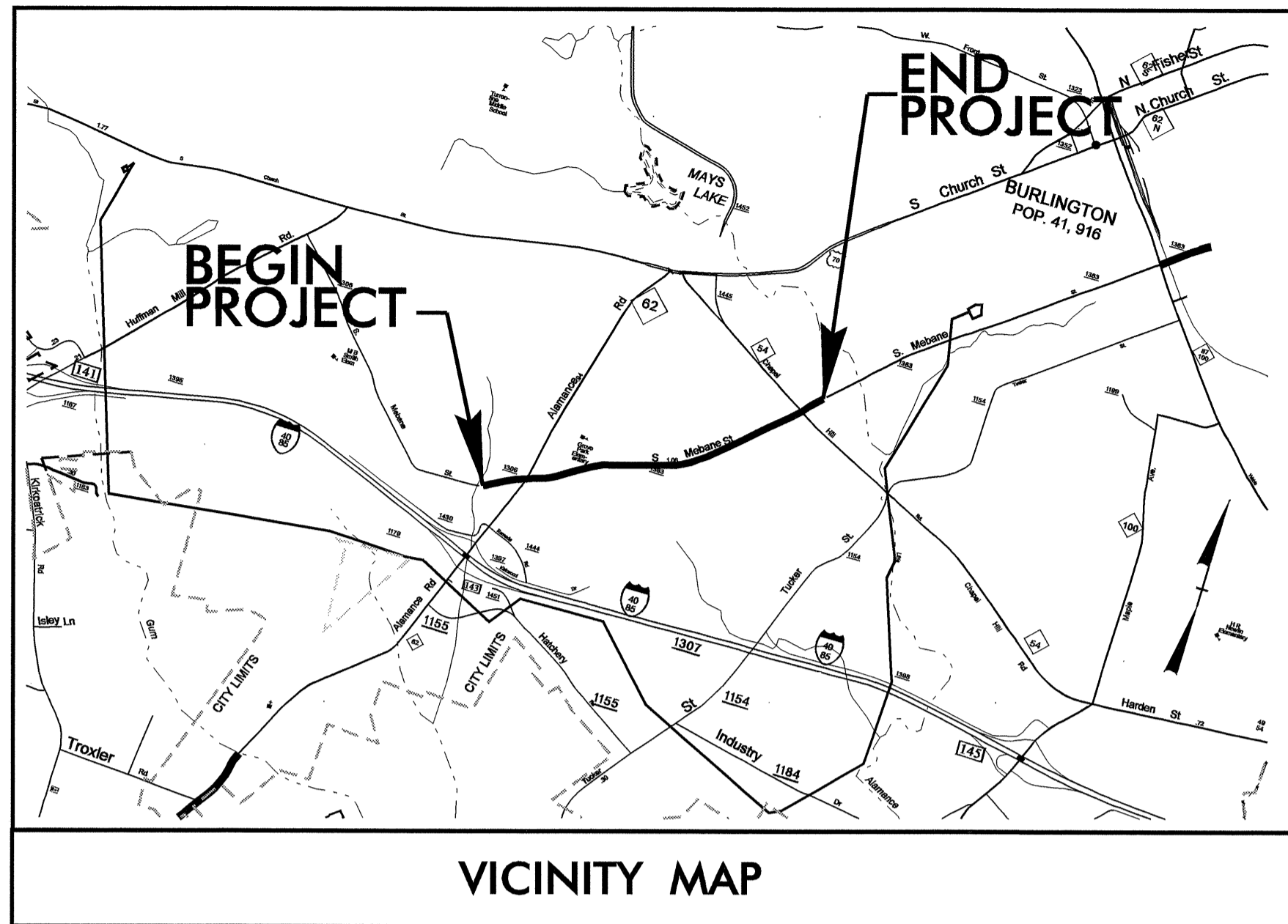
09/08/09

See Sheet 1-A For Index of Sheets

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

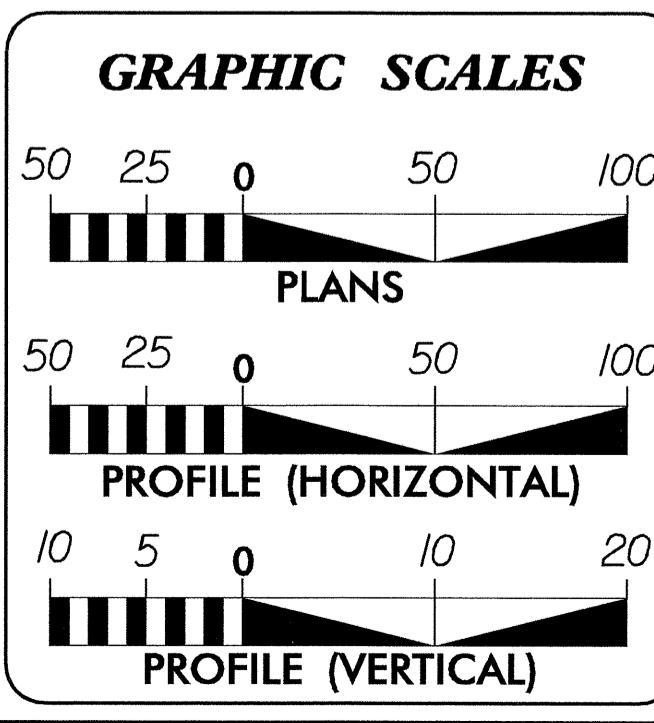
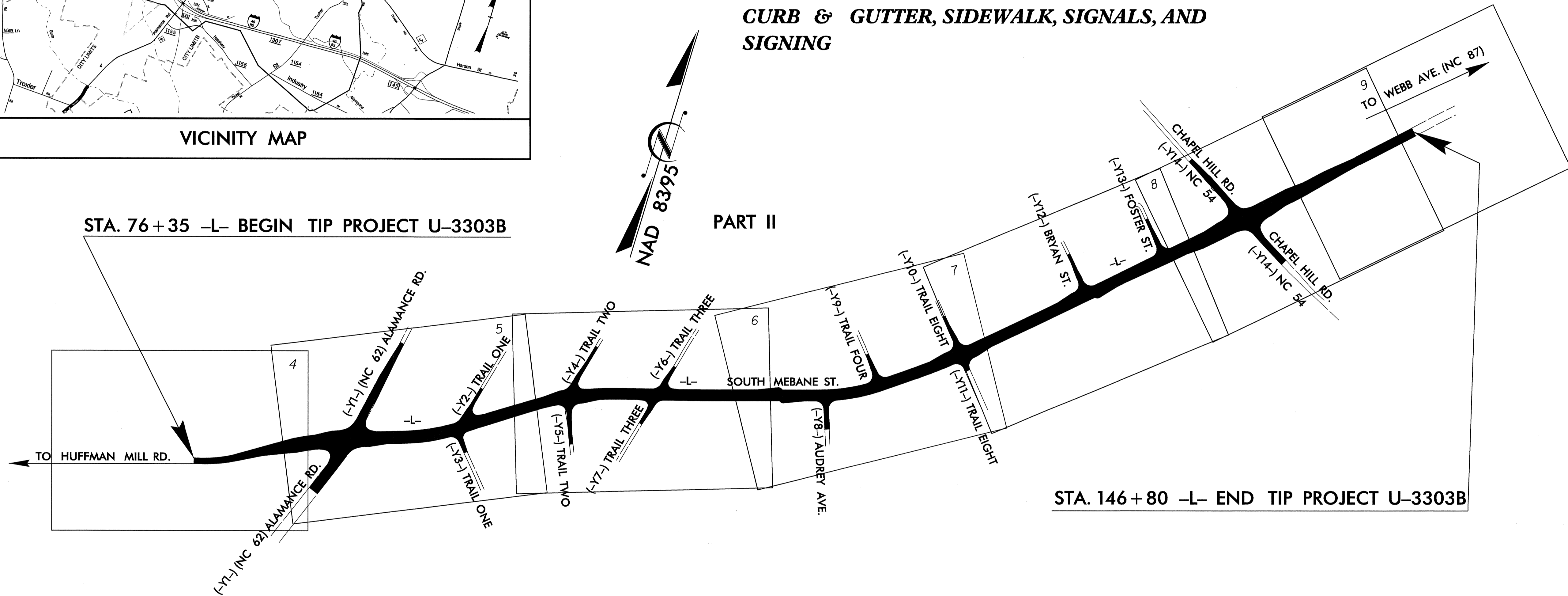
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-3303B	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34911.1.1	STP-1306(8)	P.E.	
34911.2.3	STP-1306(15)	RW	
34911.3.2.	STP-1306(15)	CONSTR.	

CONTRACT: C201966 TIP PROJ.: U-3303B



**LOCATION: BURLINGTON - SR 1306-1363 (SOUTH MEBANE ST.)
FROM NC 62 TO NC 54 (CHAPEL HILL RD.)**

**TYPE OF WORK: GRADING, DRAINAGE, WIDENING, PAVING,
CURB & GUTTER, SIDEWALK, SIGNALS, AND
SIGNING**



DESIGN DATA

ADT 2009 =	23,560
ADT 2025 =	33,100
DHV =	10 %
D =	55 %
T =	3 % *
V =	40 MPH
* TTST 2%	DUAL 1%

PROJECT LENGTH

LENGTH ROADWAY F.A. PROJECT STP-1306(8) =	1.334 MI
TOTAL LENGTH STATE PROJECT 34911.1,2,3 =	1.334 MI

Prepared In the Office of:

DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., NC, 27610

2006 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: January 19, 2007	JIMMY GOODNIGHT PROJECT ENGINEER
LETTING DATE: March 17, 2009	TIM GOINS PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: *Andrew J. Albright*

ROADWAY DESIGN ENGINEER

SIGNATURE: *Tim Goins*

12-22-08

**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA**

P.E.

STATE DESIGN ENGINEER

**DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION**

APPROVED

DIVISION ADMINISTRATOR

DATE

22-DEC-2008 14:09
C:\PROJ\U3303B\TSH
\$\$\$\$\$USERNAME\$\$\$\$\$

SURVEY CONTROL SHEET U-3303B

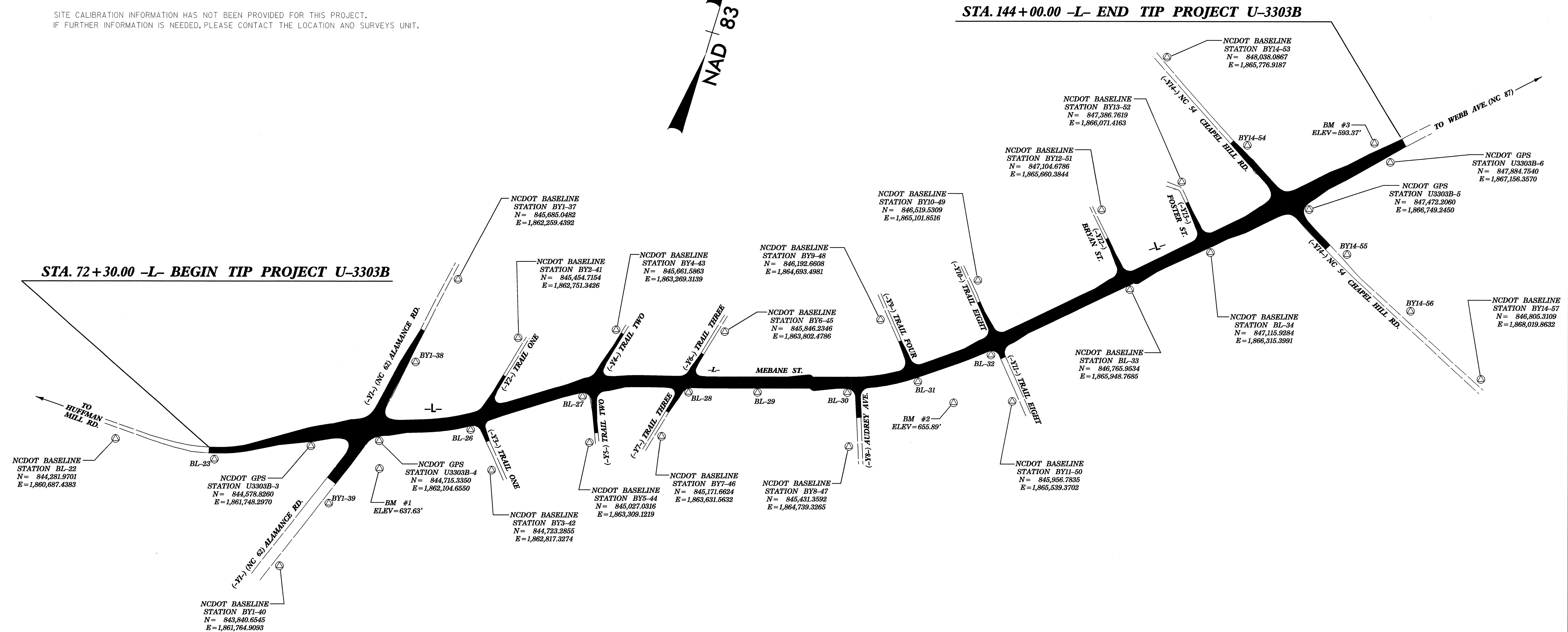
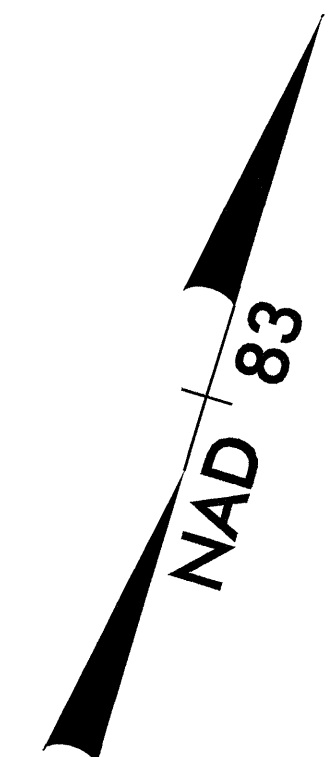
NOTES

1. THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:

HTTP://WWW.DOH.DOT.STATE.NC.US/PRECONSTRUCT/HIGHWAY/LOCATION/PROJECT/

FILE: u3303b_ls_control_030806.txt

SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BURLPORT" WITH NAD 1983/95 STATE PLANE GRID COORDINATES OF NORTHING: 835446.9252(f) EASTING: 1857541.5018(f) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99994993 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BURLPORT" TO -L- STATION 72+30.00 IS N22°28'06"E 9619.41' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

⊙ INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT. ALL COORDINATES SHOWN ARE LOCALIZED HORIZONTAL COORDINATES.

PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.

SOME COORDINATES OMITTED FOR CLARITY. SEE PLANS SHEET 1E FOR COMPLETE COORDINATE INFORMATION.

NOTE: DRAWING NOT TO SCALE

5/14/99 22-DEC-2008 14:41:33 3303b-1s-1d-030811.dgn

SURVEY CONTROL SHEET

BASELINE DATA

BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
22	BL-22	844281.9701	1860687.4383	623.15	OUTSIDE PROJECT LIMITS	
23	BL-23	844323.8138	1861256.2325	615.18	72+63.43	22.07 RT
3	GPS U3303B-3	844578.8260	1861748.2970	636.32	78+14.45	18.21 RT
4	GPS U3303B-4	844715.3350	1862104.6550	638.27	82+00.49	29.20 RT
26	BL-26	844931.6936	1862612.8793	642.63	87+49.70	17.06 RT
27	BL-27	845294.8868	1863171.6322	662.10	94+17.27	16.77 RT
28	BL-28	845477.7809	1863707.6966	666.02	99+88.85	22.30 RT
29	BL-29	845597.7374	1864103.1578	672.29	104+01.77	19.11 RT
30	BL-30	845757.6205	1864621.6712	666.12	109+44.24	16.13 RT
31	BL-31	845919.6712	1864940.8209	664.93	112+98.93	13.58 RT
32	BL-32	846194.6883	1865320.7457	663.37	117+66.24	24.93 RT
33	BL-33	846765.9534	1865948.7685	640.45	126+14.26	23.33 RT
34	BL-34	847115.9284	1866315.3991	623.79	131+21.02	14.78 RT
5	GPS U3303B-5	847472.2060	1866749.2450	610.06	136+81.03	47.44 RT
6	GPS U3303B-6	847884.7540	1867156.3570	592.19	142+59.83	32.98 RT

BY1 POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
37	BY1-37	845685.0482	1862259.4392	665.42	OUTSIDE PROJECT LIMITS	
38	BY1-38	845166.1444	1862166.4156	650.36	14+72.94	15.91 LT
25	BY1-25	844715.3350	1862104.6550	638.27	19+24.62	45.40 LT
39	BY1-39	844257.6479	1861928.7456	624.76	24+09.99	34.06 LT
40	BY1-40	843840.6545	1861764.9093	618.59	OUTSIDE PROJECT LIMITS	

BY2 POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
41	BY2-41	845454.7154	1862751.3426	660.11	OUTSIDE PROJECT LIMITS	
102	BL-26	844931.6936	1862612.8793	642.63	OUTSIDE PROJECT LIMITS	

BY3 POINT	DESC.	NORTH	EAST	ELEVATION	Y3 STATION	OFFSET
103	BL-26	844931.6936	1862612.8793	642.63	10+12.45	28.04 RT
42	BY3-42	844723.2855	1862817.3274	651.01	OUTSIDE PROJECT LIMITS	

BY4 POINT	DESC.	NORTH	EAST	ELEVATION	Y4 STATION	OFFSET
43	BY4-43	845661.5863	1863269.3139	656.75	10+00.73	9.92 RT
104	BL-27	845294.8868	1863171.6322	662.10	OUTSIDE PROJECT LIMITS	

BY5 POINT	DESC.	NORTH	EAST	ELEVATION	Y5 STATION	OFFSET
105	BL-27	845294.8868	1863171.6322	662.10	10+20.11	37.09 RT
44	BY5-44	845027.0316	1863309.1219	666.63	OUTSIDE PROJECT LIMITS	

BY6 POINT	DESC.	NORTH	EAST	ELEVATION	Y6 STATION	OFFSET
45	BY6-45	845846.2346	1863802.4786	672.04	OUTSIDE PROJECT LIMITS	
106	BL-28	845477.7809	1863707.6966	666.02	OUTSIDE PROJECT LIMITS	

BY7 POINT	DESC.	NORTH	EAST	ELEVATION	Y7 STATION	OFFSET
107	BL-28	845477.7809	1863707.6966	666.02	10+19.96	10.04 LT
46	BY7-46	845171.6624	1863631.5632	665.16	OUTSIDE PROJECT LIMITS	

BY8 POINT	DESC.	NORTH	EAST	ELEVATION	Y8 STATION	OFFSET
108	BL-30	845757.6205	1864621.6712	666.12	10+15.44	26.78 RT
47	BY8-47	845431.3592	1864739.3265	661.67	OUTSIDE PROJECT LIMITS	

BY9 POINT	DESC.	NORTH	EAST	ELEVATION	Y9 STATION	OFFSET
48	BY9-48	846192.6608	1864693.4981	652.49	OUTSIDE PROJECT LIMITS	
109	BL-31	845919.6712	1864940.8209	664.93	OUTSIDE PROJECT LIMITS	

BY10 POINT	DESC.	NORTH	EAST	ELEVATION	Y10 STATION	OFFSET
49	BY10-49	846519.5309	1865101.8516	654.87	OUTSIDE PROJECT LIMITS	
110	BL-32	846194.6883	1865320.7457	663.37	OUTSIDE PROJECT LIMITS	

BY11 POINT	DESC.	NORTH	EAST	ELEVATION	Y11 STATION	OFFSET
111	BL-32	846194.6883	1865320.7457	663.37	10+24.87	33.68 RT
50	BY11-50	845956.7835	1865539.3702	661.13	OUTSIDE PROJECT LIMITS	

BY12 POINT	DESC.	NORTH	EAST	ELEVATION	Y12 STATION	OFFSET
51	BY12-51	847104.6786	1865660.3844	639.40	OUTSIDE PROJECT LIMITS	
112	BL-33	846765.9534	1865948.7685	640.45	OUTSIDE PROJECT LIMITS	

BY13 POINT	DESC.	NORTH	EAST	ELEVATION	Y13 STATION	OFFSET
52	BY13-52	847386.7619	1866071.4163	626.10	OUTSIDE PROJECT LIMITS	
113	BL-34	847115.9284	1866315.3991	623.79	OUTSIDE PROJECT LIMITS	

BY14 POINT	DESC.	NORTH	EAST	ELEVATION	Y14 STATION	OFFSET
53	BY14-53	848038.0867	1865776.9187	623.71	OUTSIDE PROJECT LIMITS	
54	BY14-54	847695.7385	1866358.2535	610.81	16+72.83	21.87 LT
114	BL-35	847472.2060	1866749.2450	610.06	21+22.51	30.38 LT
55	BY14-55	847265.3943	1867085.4388	614.36	25+17.99	20.85 LT
56	BY14-56	847060.7066	1867526.5921	594.76	30+05.98	36.91 LT
57	BY14-57	846805.3109	1868019.8632	576.25	OUTSIDE PROJECT LIMITS	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BURLPORT" WITH NAD 1983/95 STATE PLANE GRID COORDINATES OF NORTHING: 835446.9252(ft) EASTING: 1857541.5018(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99994993 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BURLPORT" TO L- STATION 72+30.00 IS N22°28'06"E 9619.41' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

NOTES

1. THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:
[HTTP://WWW.DOH.DOT.STATE.NC.US/PRECONSTRUCT/HIGHWAY/LOCATION/PROJECT/](http://www.doh.dot.state.nc.us/preconstruct/highway/location/project/)
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 SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

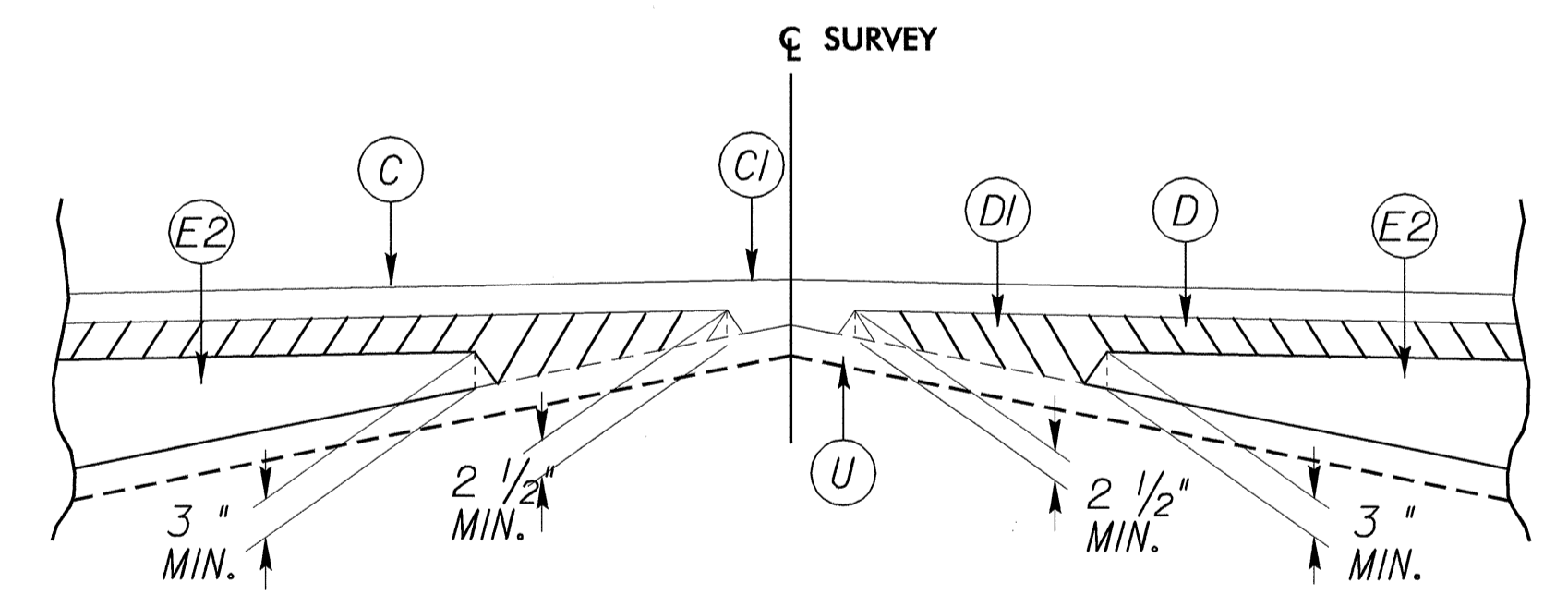
BENCHMARK DATA

BM1 ELEVATION = 637.63 N 844519 E 1862179 L STATION 82+08 239 RIGHT SPIKE NAIL SET IN POWER POLE AT THE CIRCLE K.	BM2 ELEVATION = 655.89 N 845830 E 1865200 L STATION 114+56 239 RIGHT RR SPIKE SET IN PAVEMENT AT CHURCH PARKING LOT.	BM3 ELEVATION = 593.37 N 847944 E 1867063 Y14 STATION 21+45 597 LEFT RR SPIKE SET IN PAVEMENT OF ENTRANCE LANE INTO SENIOR ACTIVITIES CENTER.
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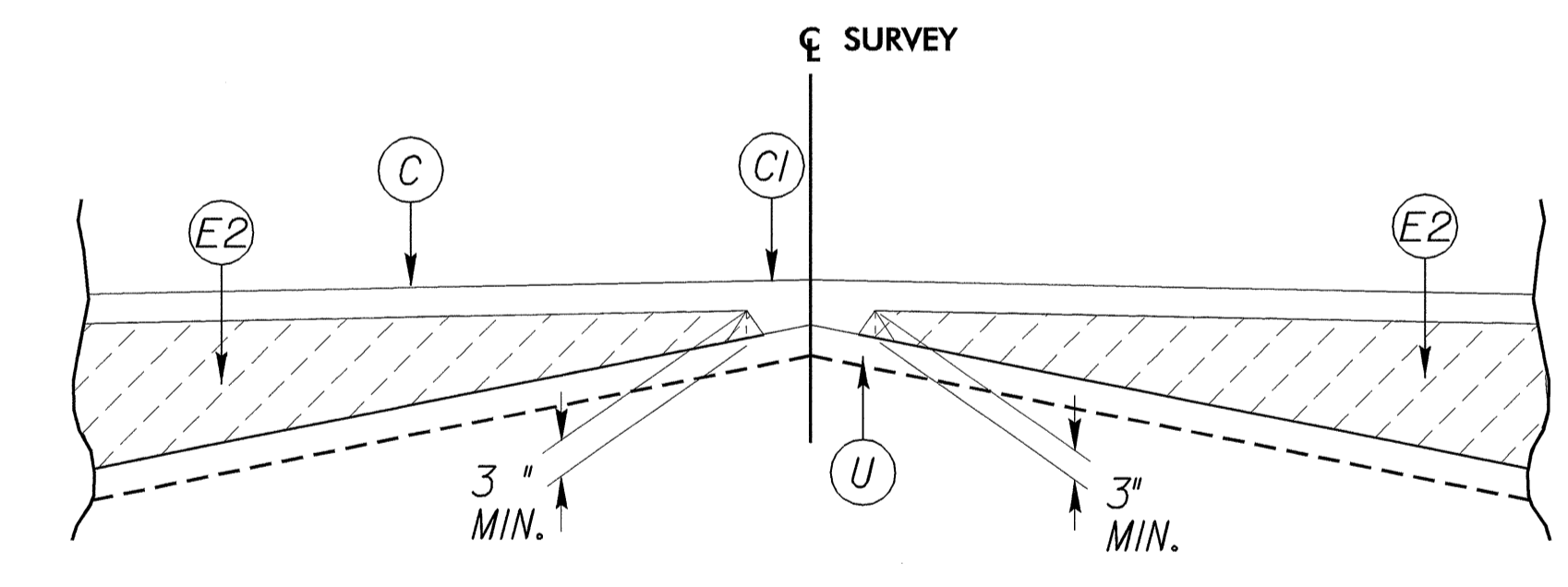
PROJECT REFERENCE NO. U3303B	SHEET NO. 2
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 14493 J. S. POOLBY 12-23-08	PAVEMENT DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 22896 CLAYTON S. MORRISON 12/22/08

PAVEMENT SCHEDULE

C	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	E2	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5 1/2" IN DEPTH.
C1	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.	R	2'-6" CONCRETE CURB AND GUTTER.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	R1	1'-6" CONCRETE CURB AND GUTTER.
D	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	S	4" CONCRETE SIDEWALK.
D1	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2 1/2" IN DEPTH OR GREATER THAN 4" IN DEPTH.	T	EARTH MATERIAL.
E	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.	U	EXISTING PAVEMENT.
E1	PROP. APPROX. 4.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 513 LBS. PER SQ. YD.	W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE STANDARD WEDGING DETAIL SHEET NO. 2)



DETAIL SHOWING METHOD OF WEDGING



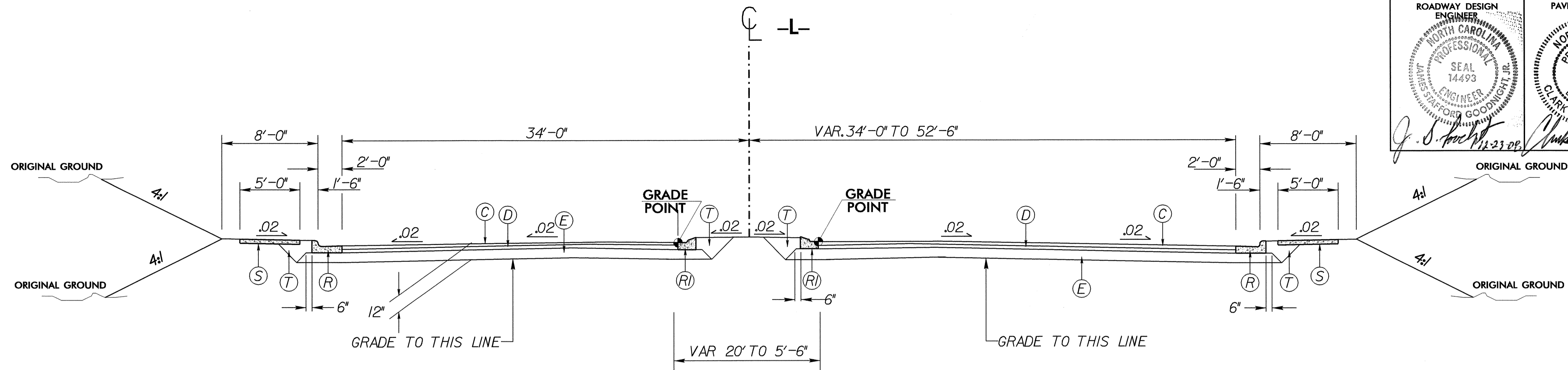
DETAIL SHOWING METHOD OF WEDGING

USE IN CONJUNCTION WITH TYPICAL SECTIONS 7, 8, AND 9.

6/2/99

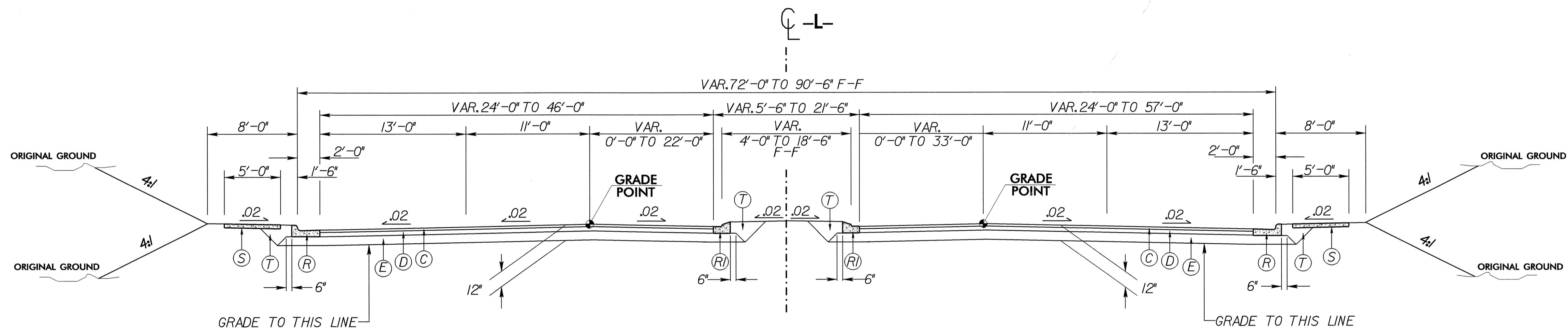
PROJECT REFERENCE NO. U-3303B	SHEET NO. 2-A
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 14493 JAMES STARFOUR GOODNIGHT, JR.	PAVEMENT DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 22896 CLARK S. MORRIS

C	3" S9.5B
D	4" I19.0B
E	5" B25.0B
R	2'-6" CONCRETE C&G
R1	1'-6" CONCRETE C&G
S	4" CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
W	WEDGING



TYPICAL SECTION NO. 1

USE TYPICAL SECTION NO. 1
-L- STA. 76+35 TO -L- STA. 78+30

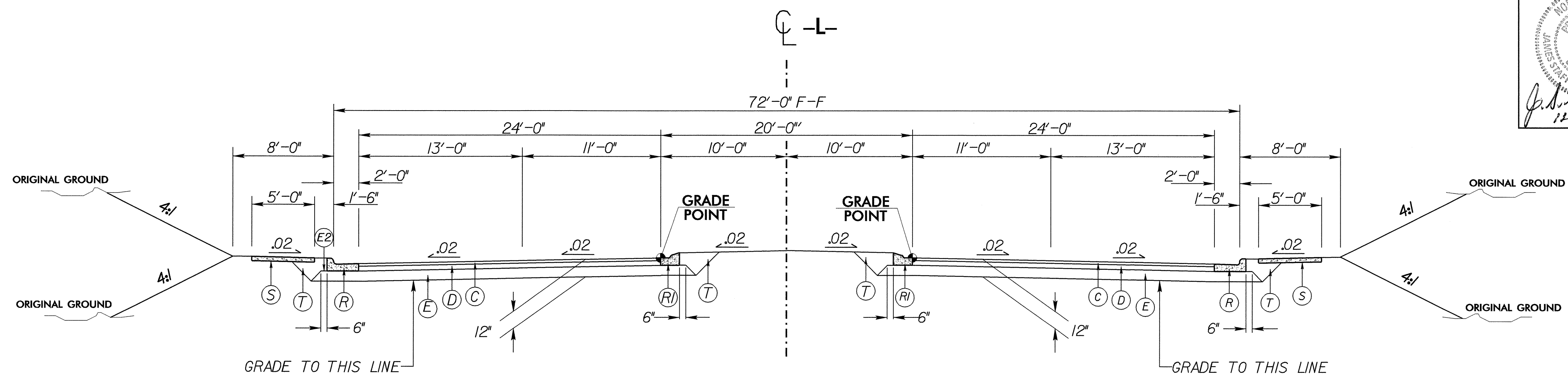


TYPICAL SECTION NO. 2

USE TYPICAL SECTION NO. 2
-L- STA. 78+30.00 TO -L- STA. 86+20.00
-L- STA. 86+20.00 TO -L- STA. 88+20.00
-L- STA. 89+60.00 TO -L- STA. 99+75.00
-L- STA. 102+65.00 TO -L- STA. 111+55.00
-L- STA. 113+17 TO -L- STA. 139+85.00

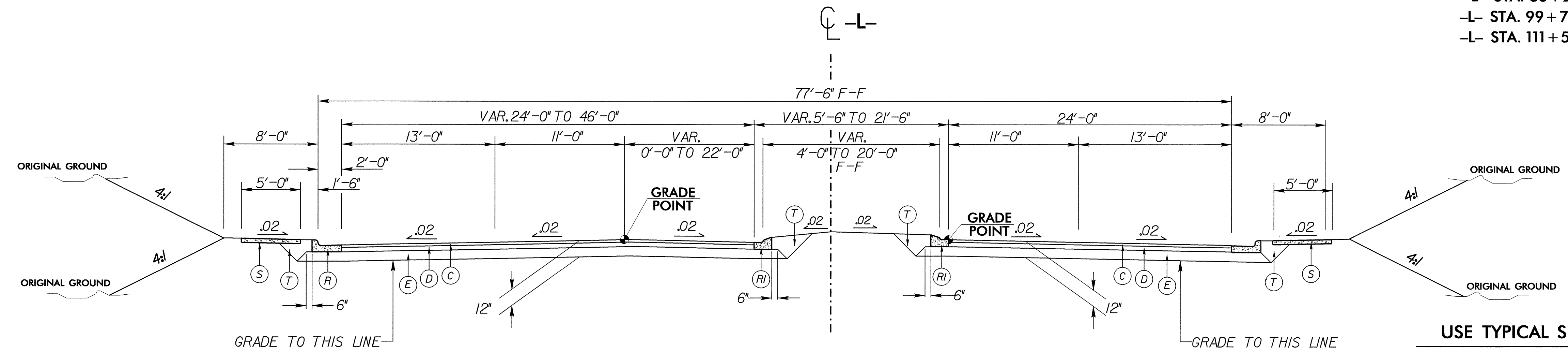
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C	3" S9.5B
C2	1.5" S9.5B
D	4" I19.0B
E	5" B25.0B
R	2'-6" CONCRETE C&G
R1	1'-6" CONCRETE C&G
S	4" CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.



TYPICAL SECTION NO. 3

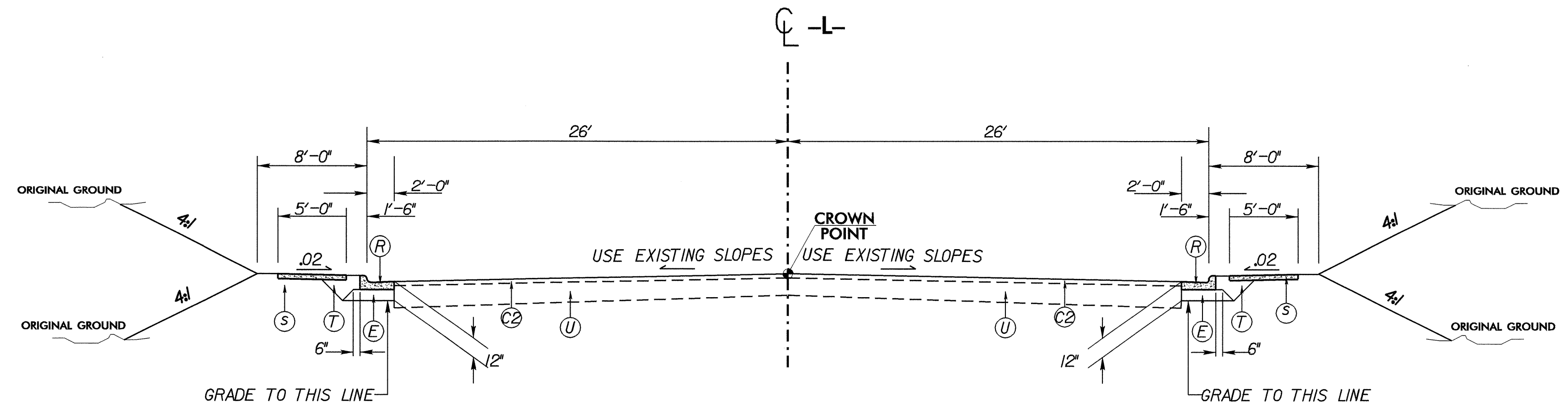
USE TYPICAL SECTION NO. 3
 -L- STA. 88+20.00 TO -L- STA. 89+60.00
 -L- STA. 99+75.00 TO -L- STA. 102+65.00
 -L- STA. 111+55.00 TO -L- STA. 113+17.00



TYPICAL SECTION NO. 4

NOTE: FROM -L- STA. 142+87.73 TO -L- STA. 144+00.00
 TRANSITION FROM TYPICAL SECTION NO. 4 TO TYPICAL SECTION NO.4A

USE TYPICAL SECTION NO. 4
 -L- STA. 139+85.00 TO -L- STA. 142+87.73



TYPICAL SECTION NO. 4A

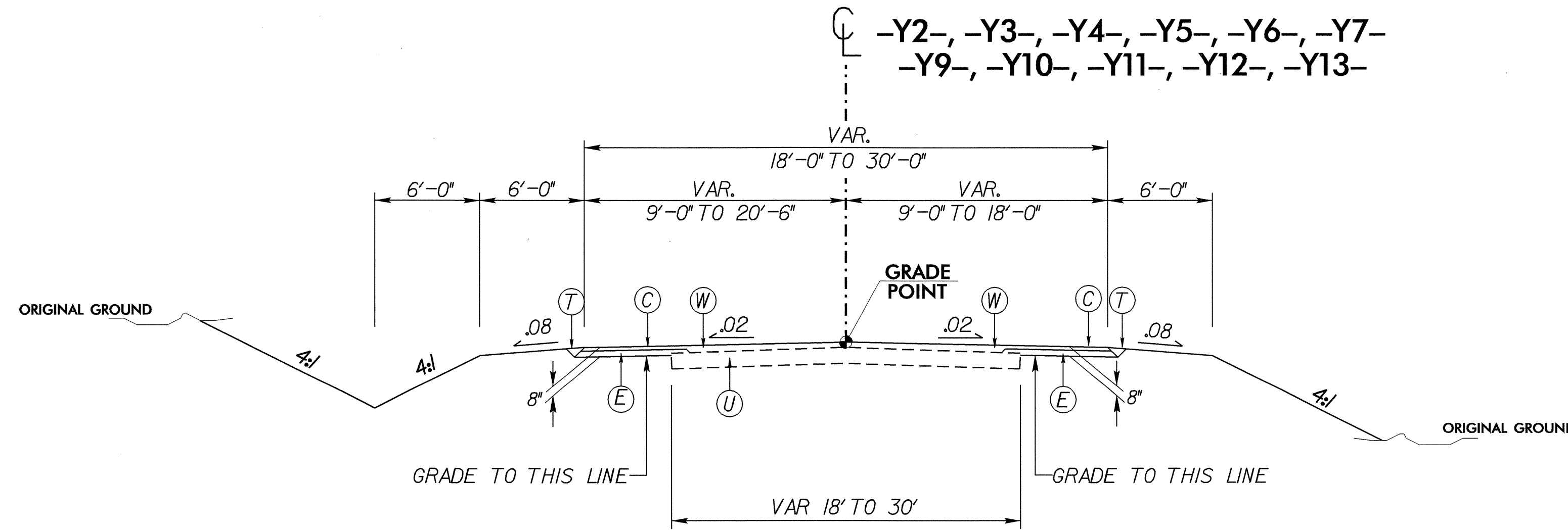
USE TYPICAL SECTION NO. 4A
 -L- STA. 144+00 TO -L- STA. 146+80

NOTE: END PROPOSED 5' CONC. SIDEWALK AT -L- STA. 148+00 +/- RT. AND LT.

6/2/99

C	3" S9.5B
D	4" I19.0B
E	5" B25.0B
R	2'-6" CONCRETE C&G
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
W	WEDGING

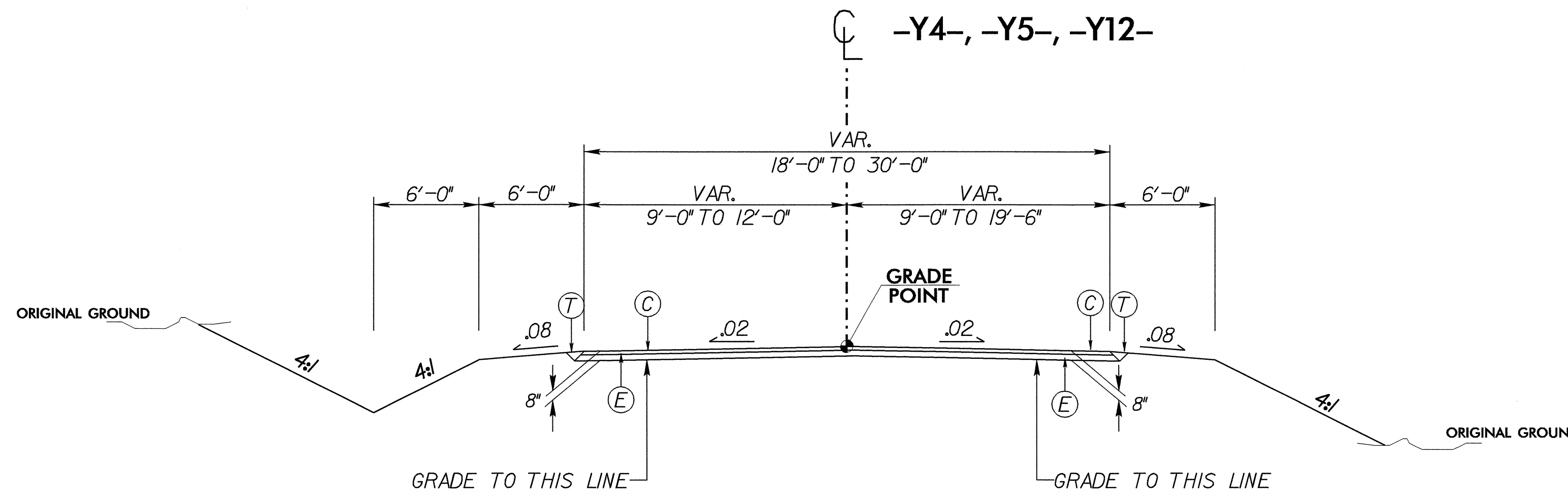
PROJECT REFERENCE NO. U-3303B	SHEET NO. 2-D
ROADWAY DESIGN ENGINEER 	PAVEMENT DESIGN ENGINEER



TYPICAL SECTION NO. 7

USE TYPICAL SECTION NO. 7

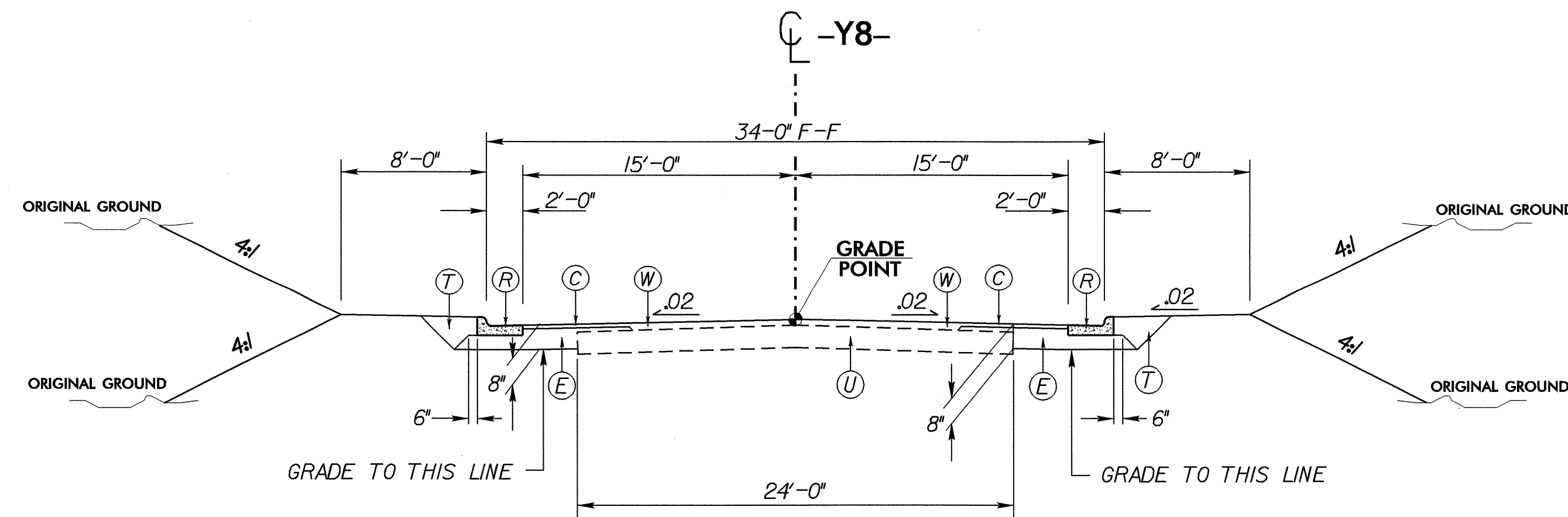
- Y2- STA. 10+50.00 TO -Y2- STA. 12+69.65
- Y3- STA. 10+37.93 TO -Y3- STA. 11+50.00
- Y4- STA. 10+00.00 TO -Y4- STA. 10+50.00
- Y5- STA. 12+50.00 TO -Y5- STA. 12+75.00
- Y6- STA. 11+50.00 TO -Y6- STA. 12+50.08
- Y7- STA. 10+39.31 TO -Y7- STA. 12+00.00
- Y9- STA. 11+00.00 TO -Y9- STA. 12+62.41
- Y10- STA. 10+00.00 TO -Y10- STA. 12+13.04
- Y11- STA. 10+34.00 TO -Y11- STA. 11+40.00
- Y12- STA. 10+50.00 TO -Y12- STA. 11+50.00
- Y13- STA. 10+50.00 TO -Y13- STA. 12+64.05



TYPICAL SECTION NO. 8

USE TYPICAL SECTION NO. 8

- NOTE: FROM -Y4- STA. 10+50.00 TO -Y4- STA. 11+00.00 TRANSITION FROM T.S. 7 TO T.S. 8
- Y4- STA. 11+00.00 TO -Y4- STA. 12+92.36
- Y5- STA. 10+34.10 TO -Y5- STA. 12+00.00
- NOTE: FROM -Y5- STA. 12+00.00 TO -Y5- STA. 12+50.00 TRANSITION FROM T.S. 8 TO T.S. 7
- NOTE: FROM -Y12- STA. 11+50.00 TO -Y12- STA. 12+00.00 TRANSITION FROM T.S. 7 TO T.S. 8
- Y12- STA. 12+00.00 TO -Y12- STA. 12+76.89



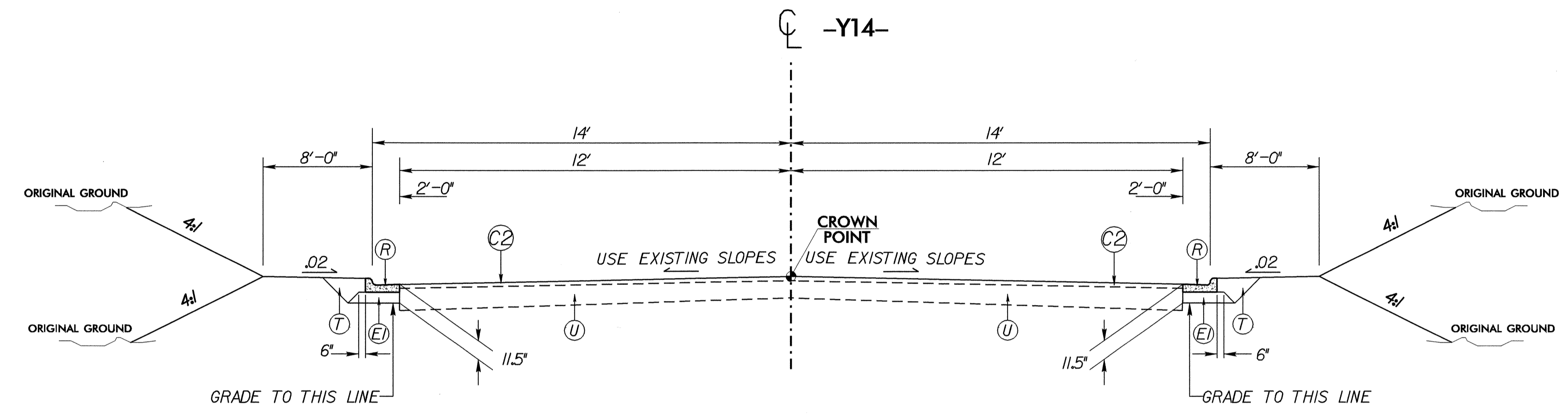
TYPICAL SECTION NO. 9

USE TYPICAL SECTION NO. 9

- Y8- STA. 10+34.00 TO -Y8- STA. 12+00.00

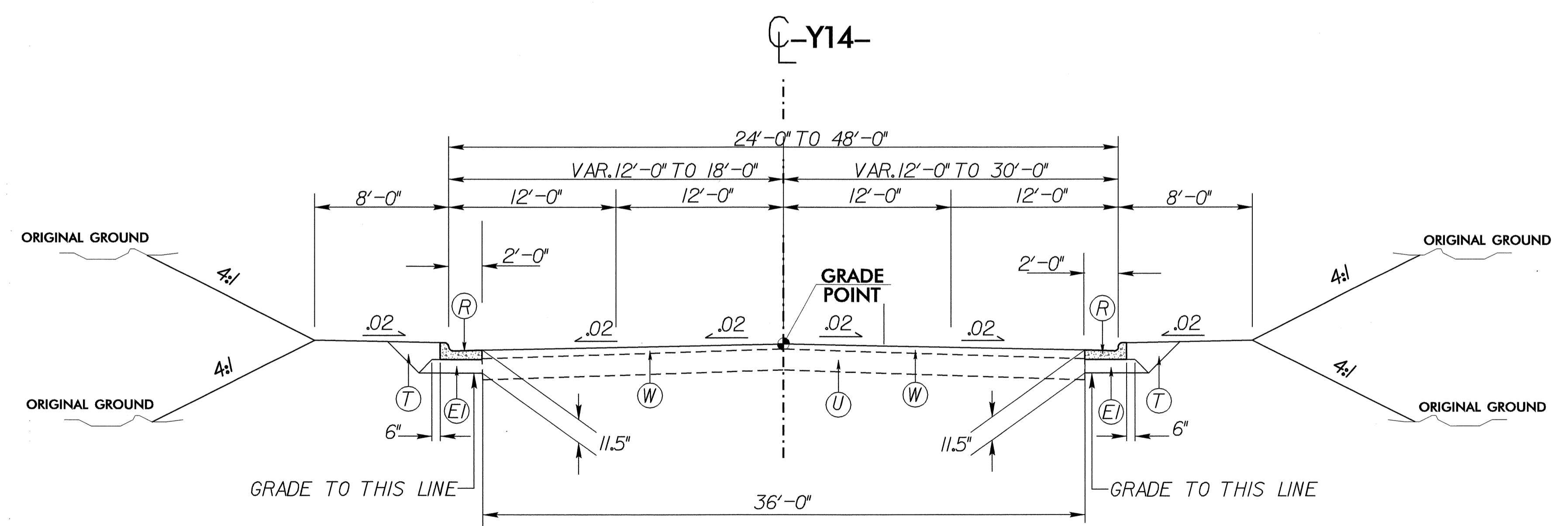
08-JAN-2009 10:57
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C2	1.5" S9.5B
E1	4.5" B25.0B
R	2'-6" CONCRETE C&G
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
W	WEDGING



TYPICAL SECTION NO. 11

USE TYPICAL SECTION NO. 11
-Y14- STA. 15+45.00 TO -Y14- STA. 16+00



TYPICAL SECTION NO. 12

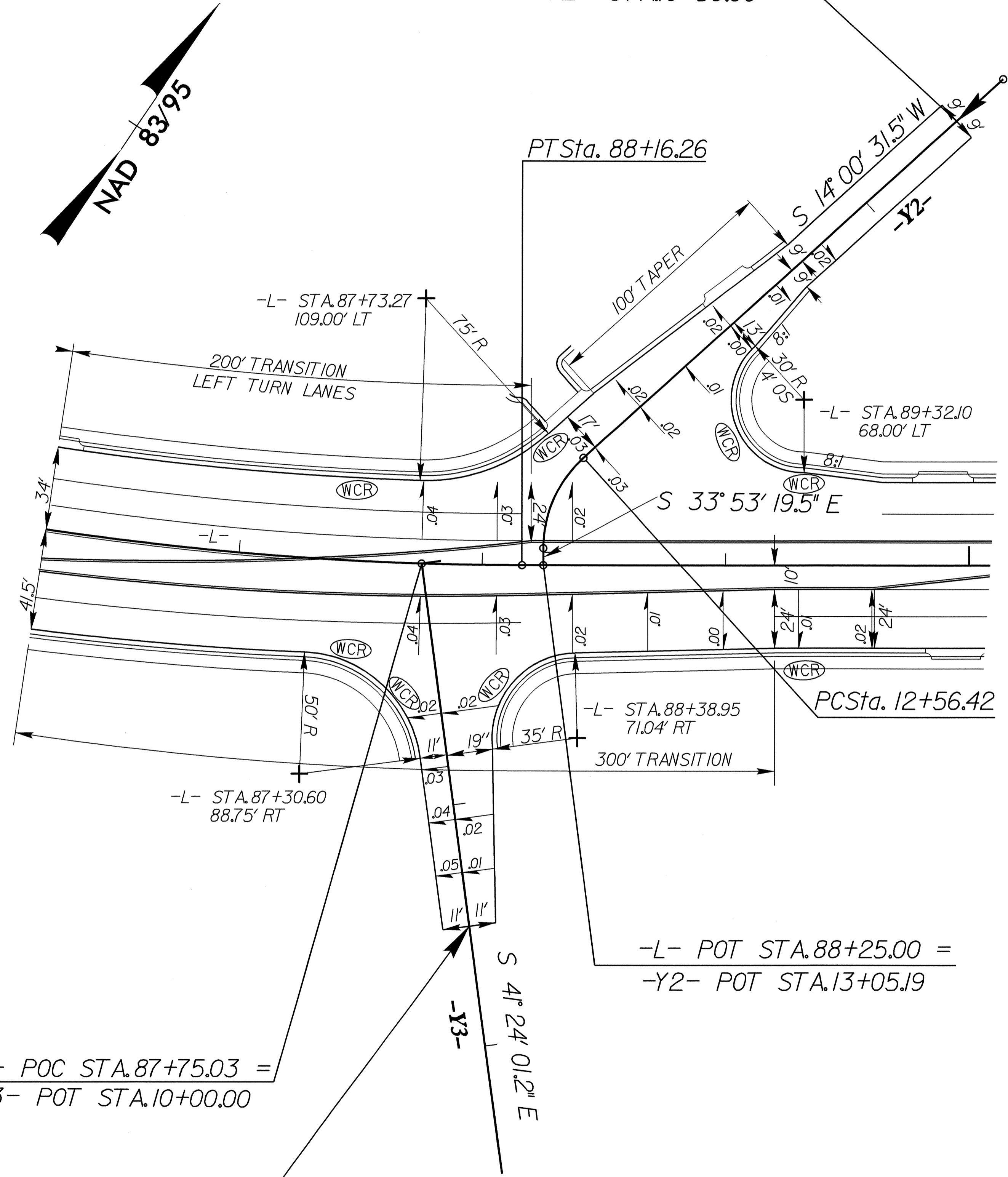
USE TYPICAL SECTION NO. 12
-Y14- STA. 16+00.00 TO -Y14- STA. 20+29.35
-Y14- STA. 21+05.76 TO -Y14- STA. 24+10.00

6/2/99
22-DEC-2008 09:59
C:\P03303B\TUP
\$\$\$\$\$USERNAME\$\$\$\$\$

6/2/99

WHEEL CHAIR RAMPS NOT SHOWN AT EXACT LOCATIONS. LOCATIONS SHALL BE DETERMINED BY THE ENGINEER BASED ON THE PAVEMENT MARKING PLANS.

BEGIN CONSTRUCTION
-Y2- STA.10+50.00



-L- POC STA.87+75.03 =
-Y3- POT STA.10+00.00

END CONSTRUCTION
-Y3- STA.11+50.00

INTERSECTION -L- WITH -Y2- AND -Y3-

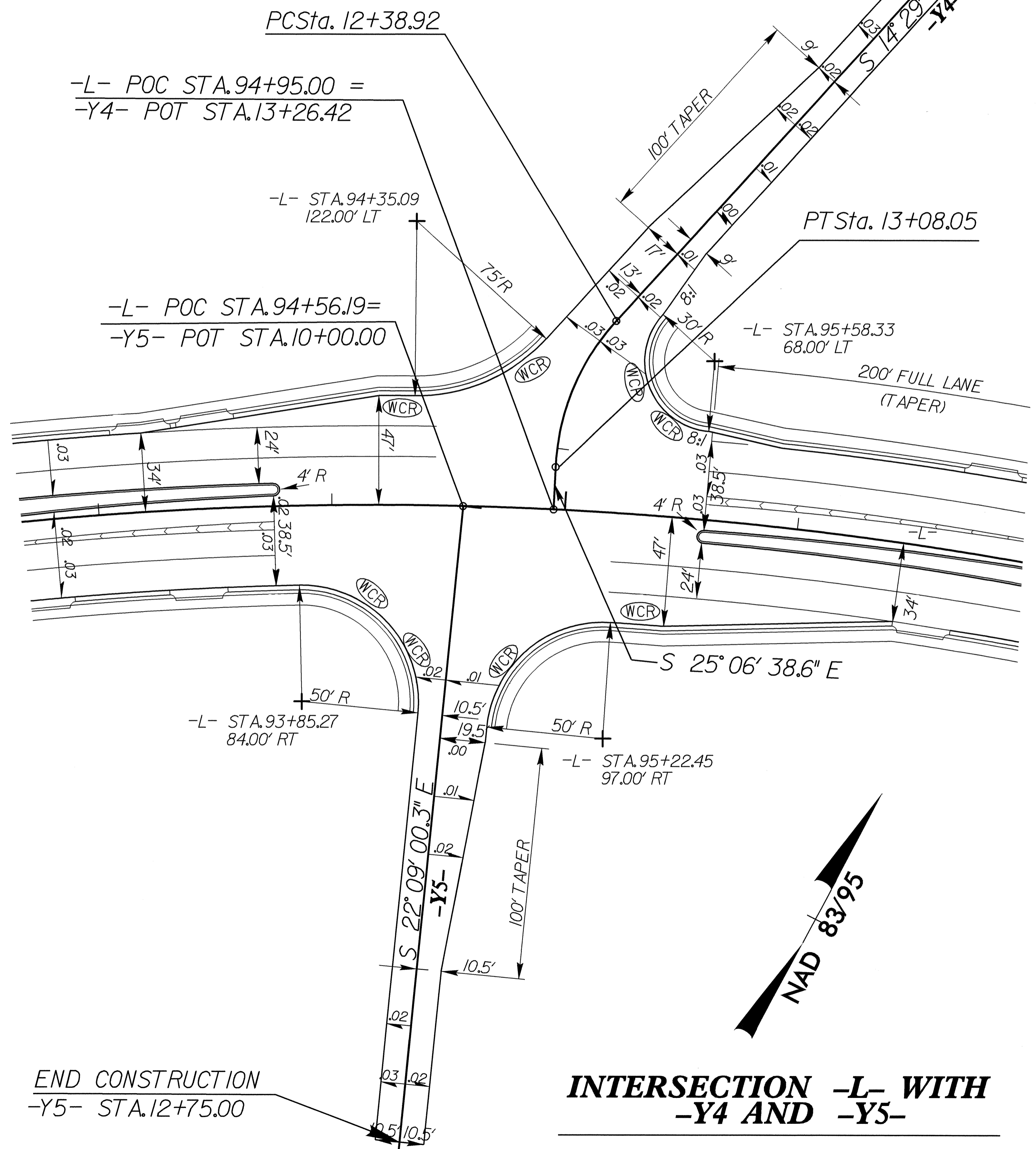
NOT TO SCALE

SEE SHEET 5

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PROJECT REFERENCE NO. U-3303B	SHEET NO. 2-G
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

WHEEL CHAIR RAMPS NOT SHOWN AT EXACT LOCATIONS. LOCATIONS SHALL BE DETERMINED BY THE ENGINEER BASED ON THE PAVEMENT MARKING PLANS.



-L- POC STA.94+95.00 =
-Y4- POT STA.13+26.42

-L- POC STA.94+56.19=
-Y5- POT STA.10+00.00

-L- STA.93+85.27
84.00' RT

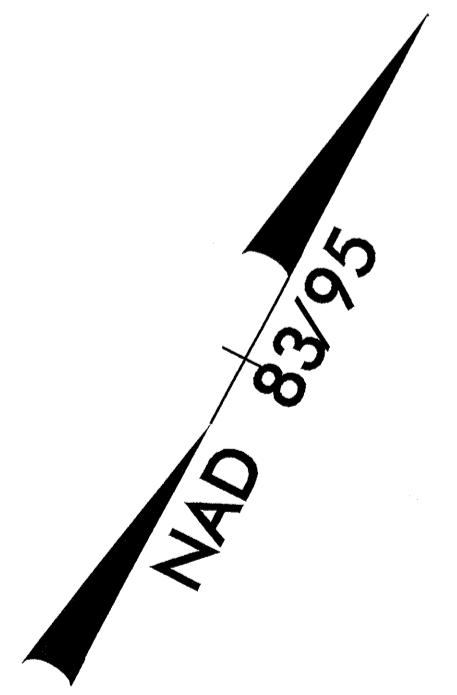
-L- STA.95+22.45
97.00' RT

END CONSTRUCTION
-Y5- STA.12+75.00

**INTERSECTION -L- WITH
-Y4 AND -Y5-**

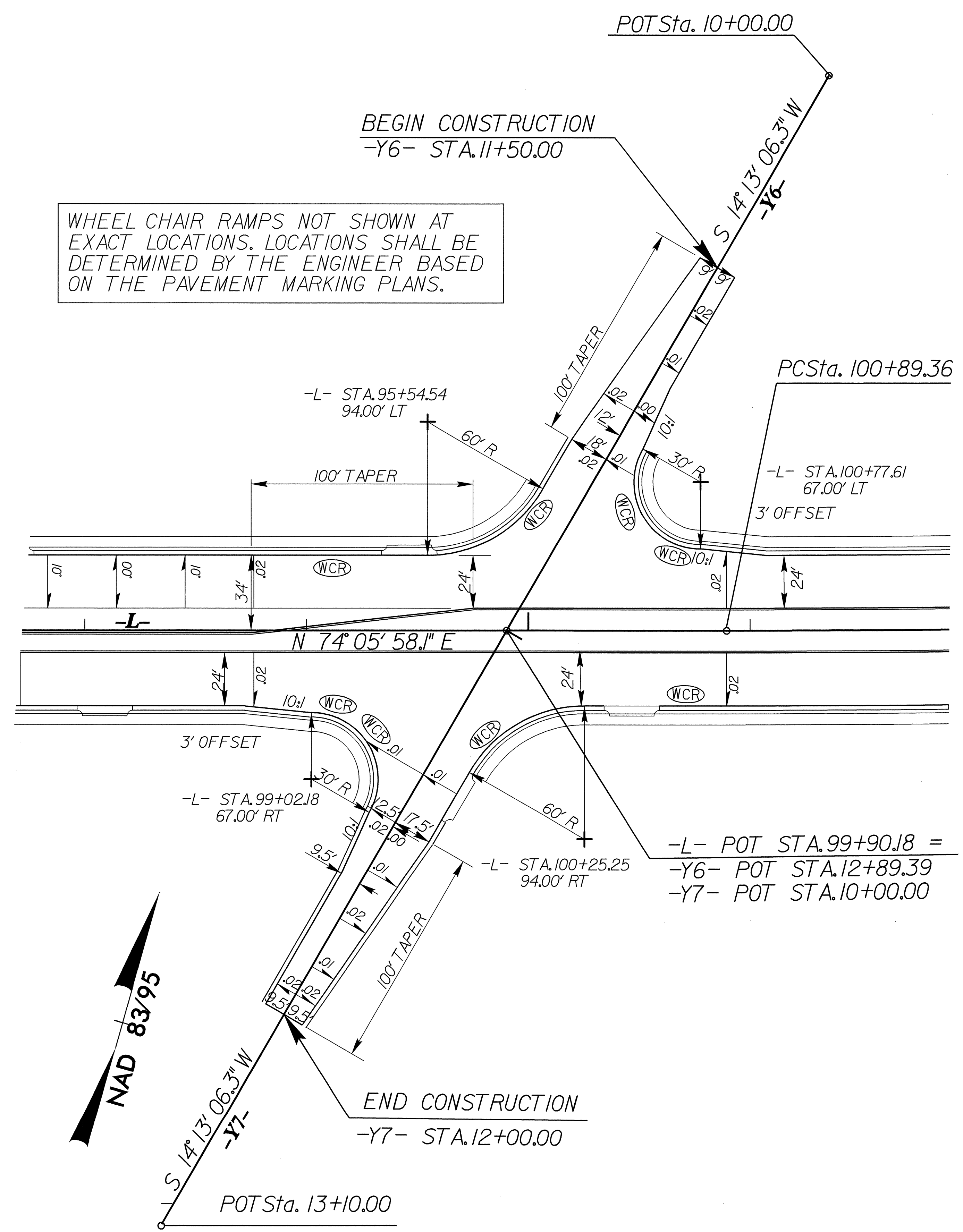
NOT TO SCALE

SEE SHEET 6



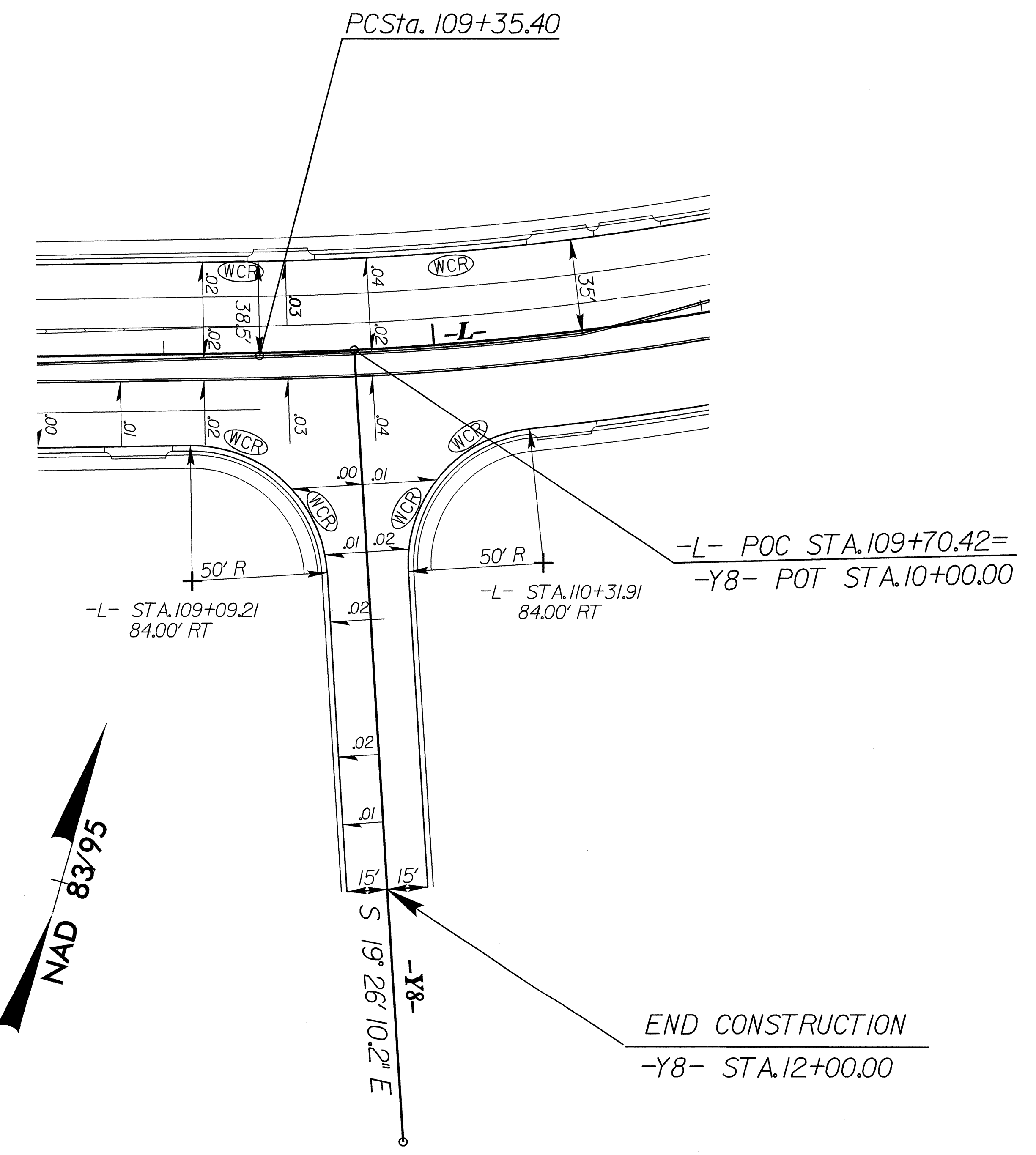
6/27/99
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PROJECT REFERENCE NO. U-3303B	SHEET NO. 2-H
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 14493 ENGINEER STAFFORD GOODING, JR. J. J. Gooding 12-23-09	PAVEMENT DESIGN ENGINEER



INTERSECTION -L- WITH -Y6- and -Y7-
 SEE SHEET 6 NOT TO SCALE

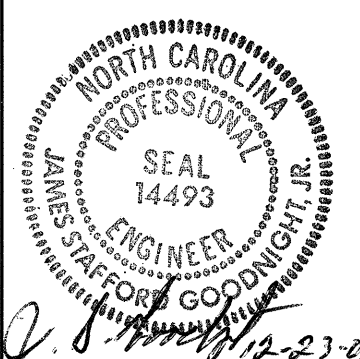
WHEEL CHAIR RAMPS NOT SHOWN AT EXACT LOCATIONS. LOCATIONS SHALL BE DETERMINED BY THE ENGINEER BASED ON THE PAVEMENT MARKING PLANS.



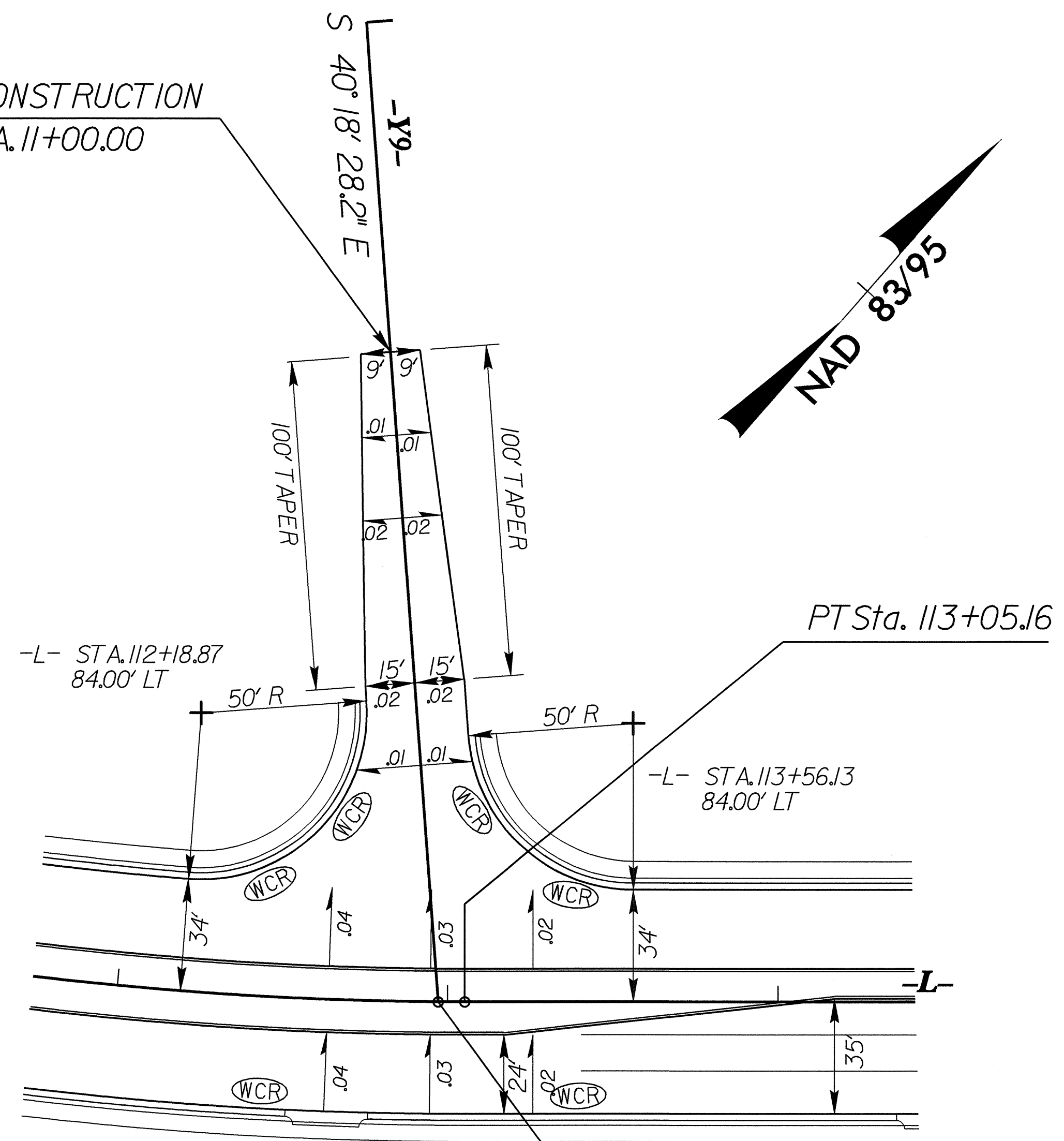
INTERSECTION -L- WITH -Y8-
 SEE SHEET 7 NOT TO SCALE

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PROJECT REFERENCE NO. U-3303B	SHEET NO. 2-1
ROADWAY DESIGN ENGINEER 	PAVEMENT DESIGN ENGINEER

BEGIN CONSTRUCTION
-Y9- STA.11+00.00



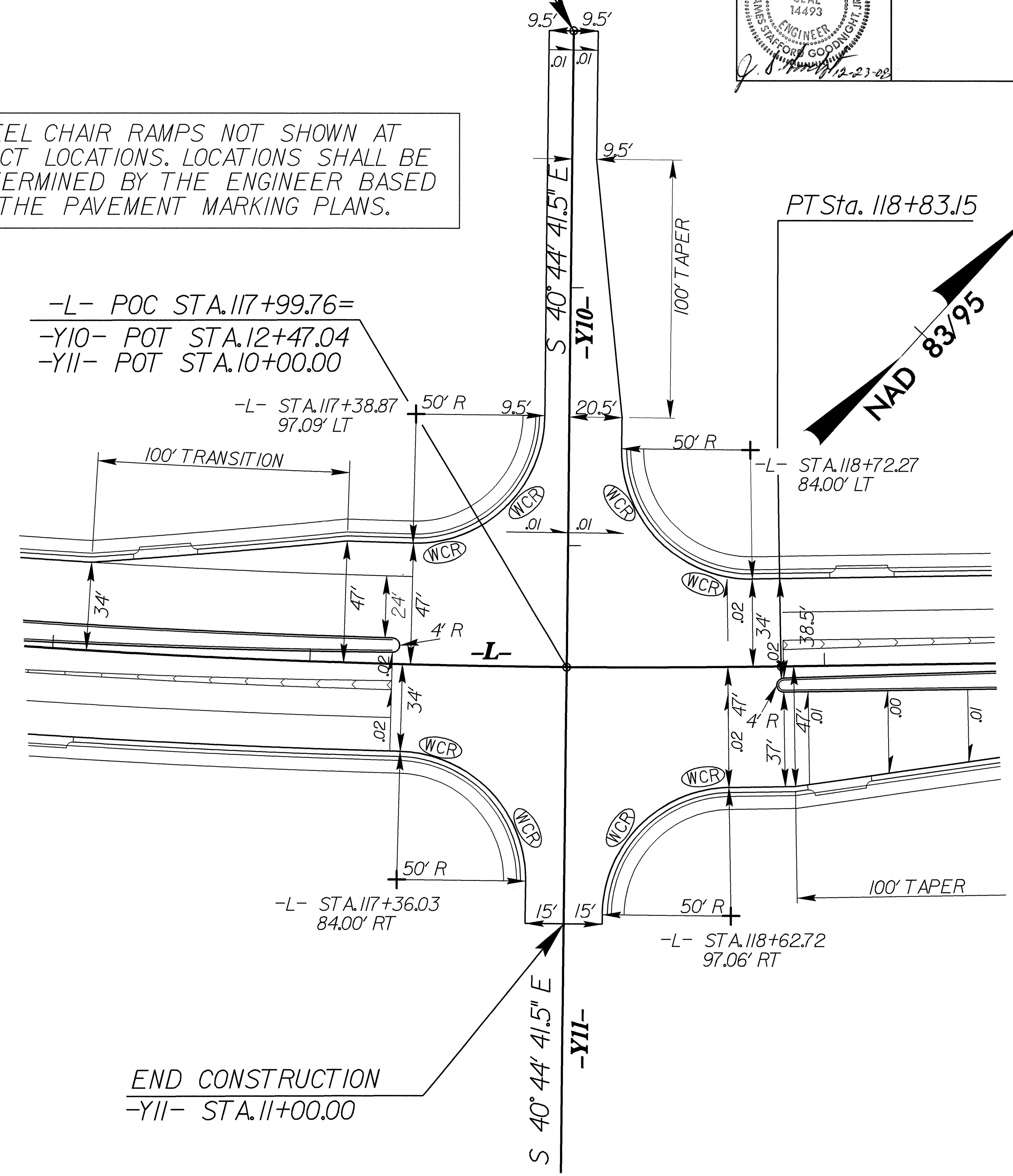
-L- POC STA.112+97.16=
-Y9- POT STA.12+96.52

WHEEL CHAIR RAMPS NOT SHOWN AT EXACT LOCATIONS. LOCATIONS SHALL BE DETERMINED BY THE ENGINEER BASED ON THE PAVEMENT MARKING PLANS.

INTERSECTION -L- WITH -Y9-
SEE SHEET 7 NOT TO SCALE

BEGIN CONSTRUCTION
-Y10- STA.10+00.00

WHEEL CHAIR RAMPS NOT SHOWN AT EXACT LOCATIONS. LOCATIONS SHALL BE DETERMINED BY THE ENGINEER BASED ON THE PAVEMENT MARKING PLANS.



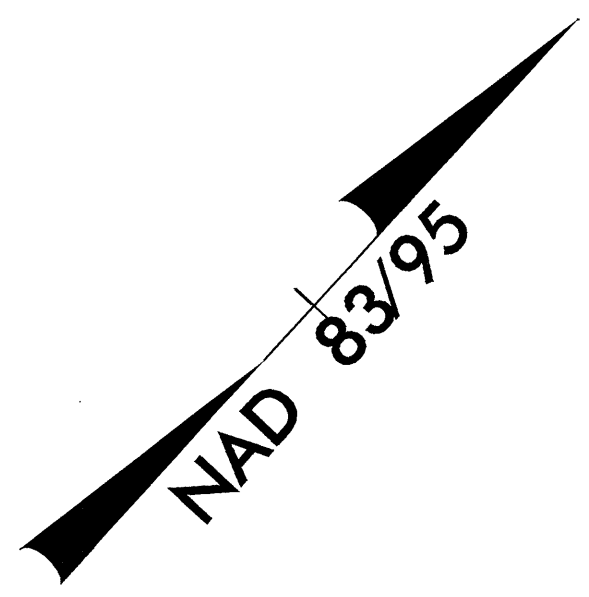
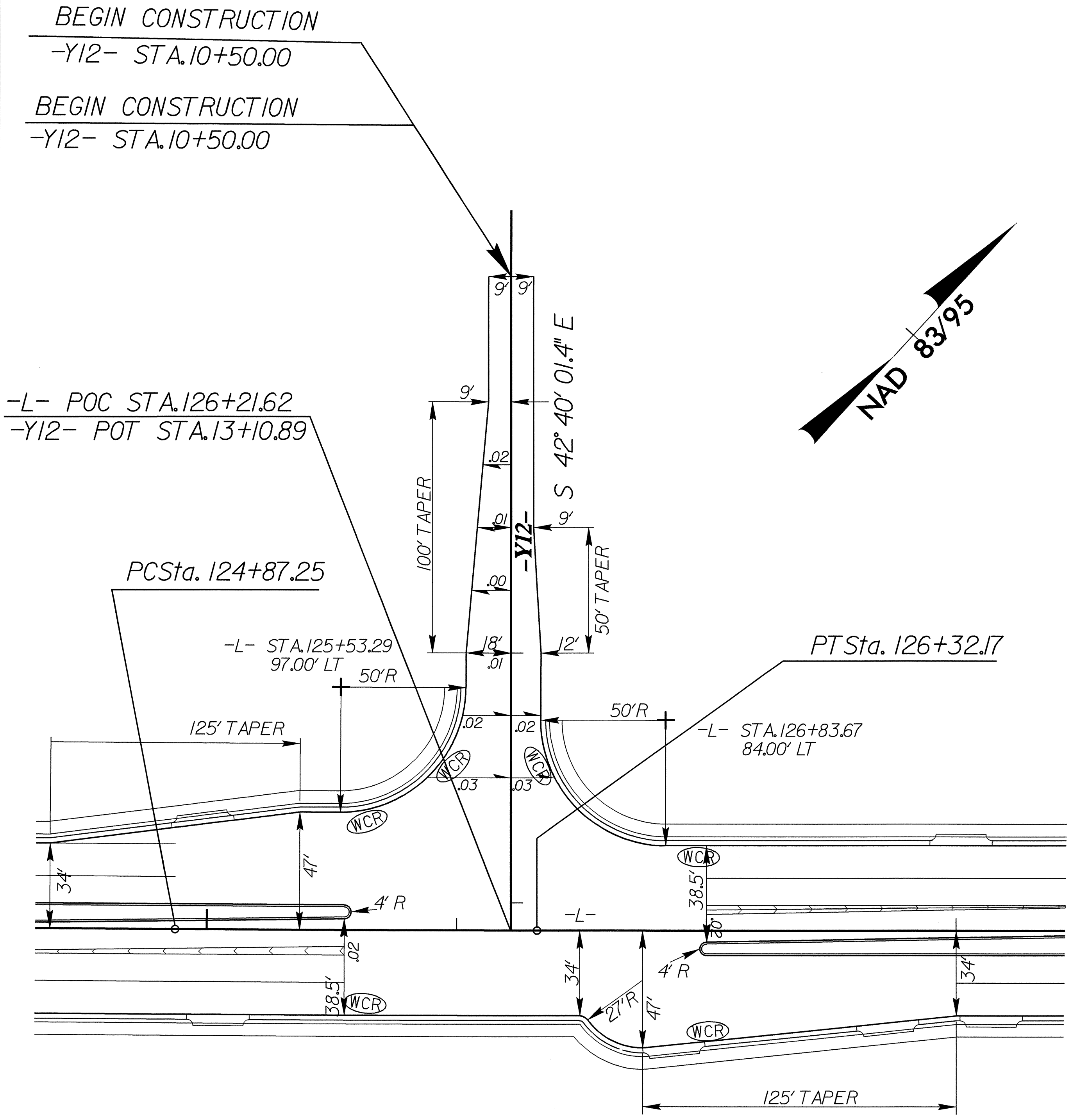
-L- POC STA.117+99.76=
-Y10- POT STA.12+47.04
-Y11- POT STA.10+00.00

END CONSTRUCTION
-Y11- STA.11+00.00

**INTERSECTION -L- WITH
-Y10 AND -Y11-**
SEE SHEET 7
NOT TO SCALE

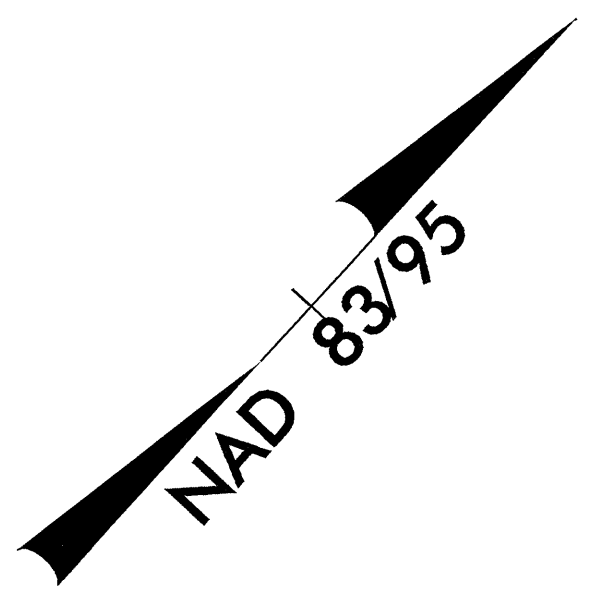
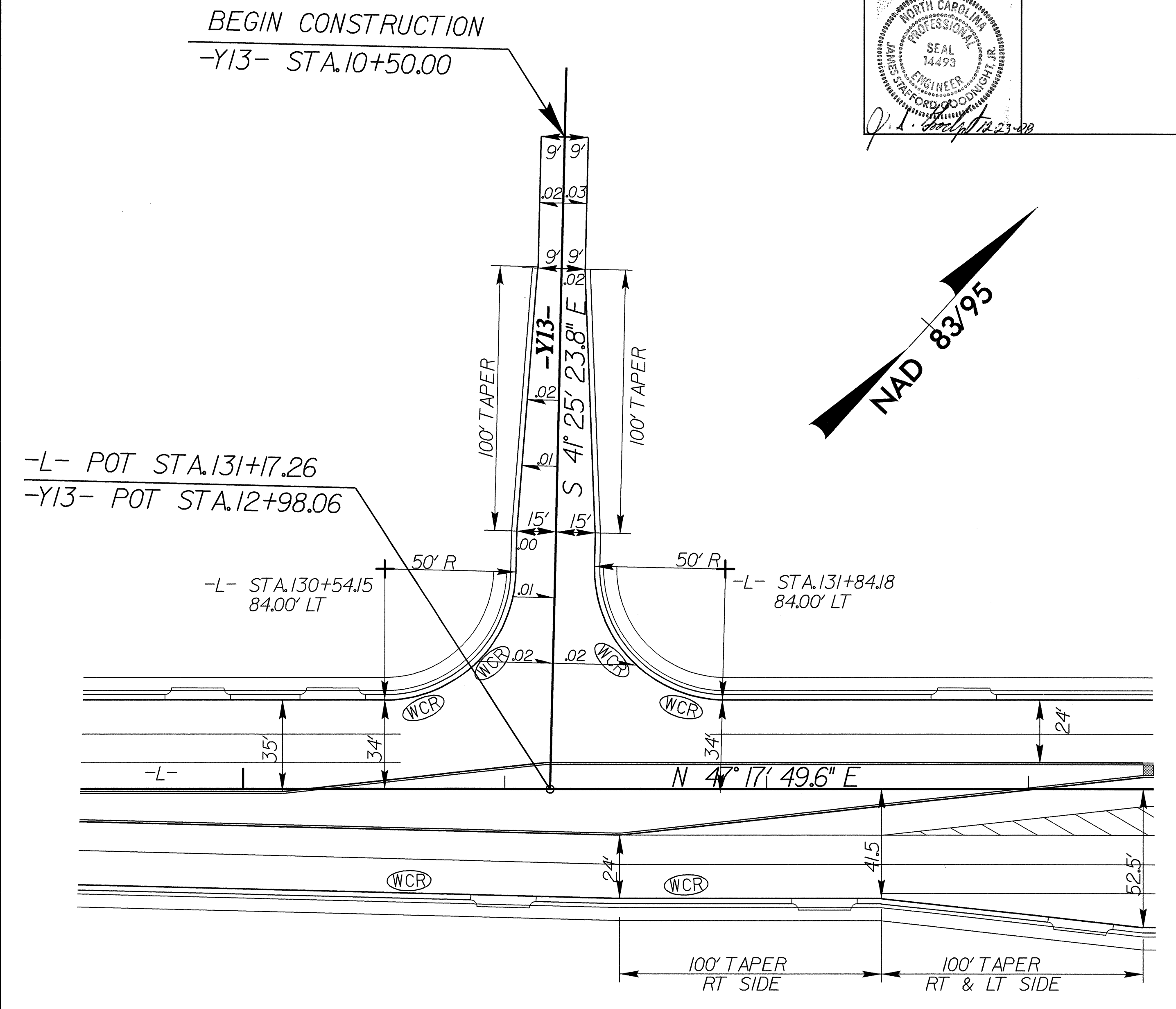
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PROJECT REFERENCE NO. U-3303B	SHEET NO. 2-J
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER



WHEEL CHAIR RAMPS NOT SHOWN AT EXACT LOCATIONS. LOCATIONS SHALL BE DETERMINED BY THE ENGINEER BASED ON THE PAVEMENT MARKING PLANS.

INTERSECTION -L- WITH -Y12-
SEE SHEET 8
NOT TO SCALE



WHEEL CHAIR RAMPS NOT SHOWN AT EXACT LOCATIONS. LOCATIONS SHALL BE DETERMINED BY THE ENGINEER BASED ON THE PAVEMENT MARKING PLANS.

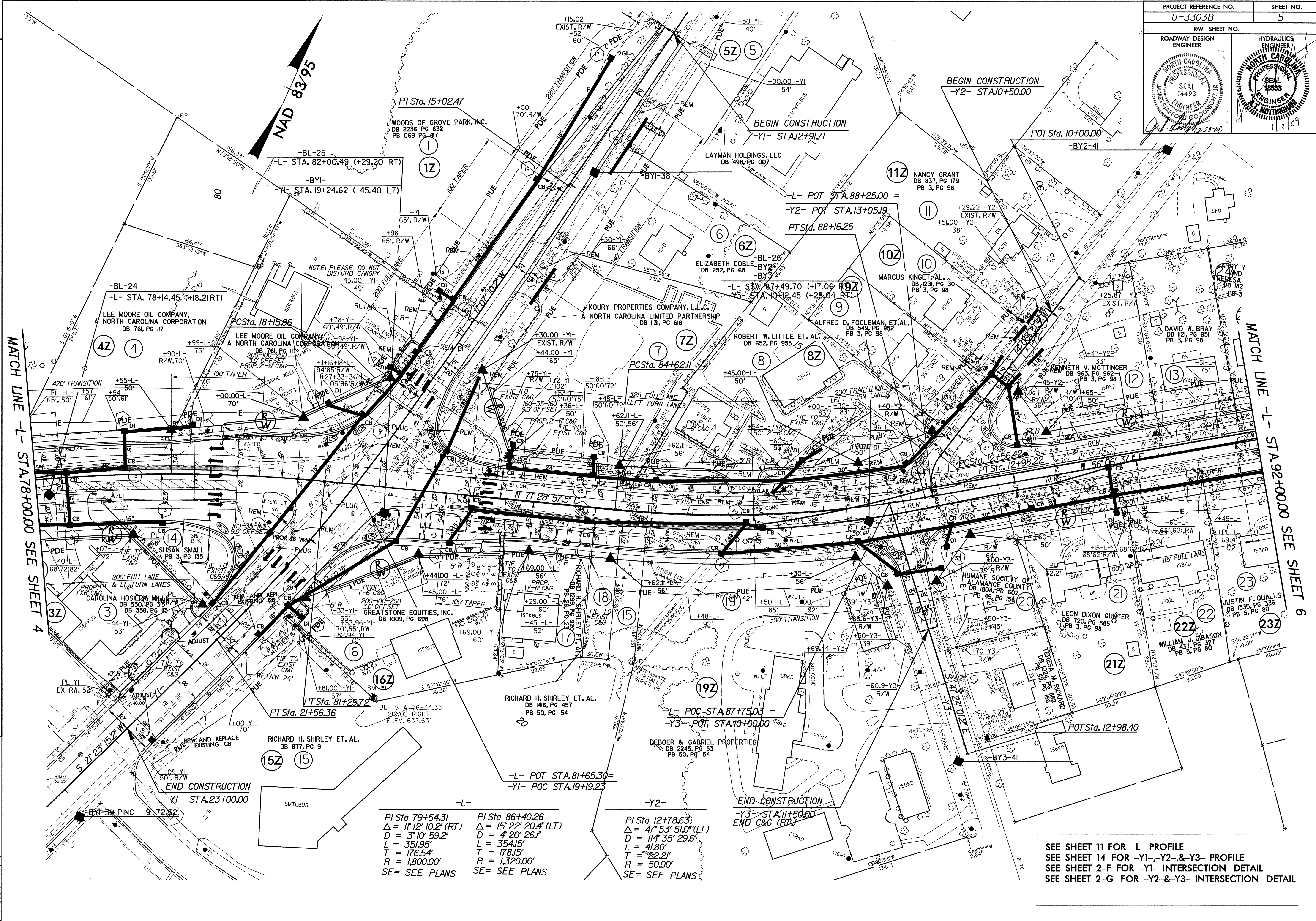
INTERSECTION -L- WITH -Y13-
SEE SHEET 8
NOT TO SCALE

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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME	PARCEL No.	SHEET No.	PROPERTY OWNER NAME
1AZ	4,5	BURLINGTON RETIREMENT RESIDENCE, L.L.C.	62Z	7	DONALD FOGLEMAN ET. AL.
1Z	5	WOODS OF GROOVE PARK INC.	63	7	PLYMOUTH, LLC A NORTH CAROLINA LIMITED LIABILITY CO.
2Z	4	CAROLINA HOSIERY MILLS, INC.	64A	7	JAMES W. KING SR. & WIFE ESTER I. KING
3Z	4	CAROLINA HOSIERY MILLS	64Z	7	ST. JOHN'S NEW MISSION UNITED CHURCH OF CHRIST
4Z	4	LEE MOORE OIL COMPANY, A NORTH CAROLINA CORPORATION	65Z	7	ROBERT STEVE MASSEY
5Z	5	LAYMAN HOLDINGS, LLC	66Z	7	BILLY HOCKADAY
6Z	5	ELIZABETH COBLE	67Z	7	JOHN CRUTCHFIELD ET. AL.
7Z	5	KOURY PROPERTIES COMPANY, L.L.C. A NORTH CAROLINA LIMITED PART	68Z	7,8	JUDITH SIMPSON
8Z	5	ROBERT W. LITTLE ET. AL.	69Z	7,8	TRUDY COMBS
9Z	5	ALFRED D. FOGLEMAN, ET.AL.	70Z	8	JUDITH HOLT
10Z	5	MARCUS KINGET. AL.	71Z	8	LUTHER ANDREWS, SR ET AL
11Z	5	NANCY GRANT	72Z	8	M.F. YARBOROUGH HEIRS
12	5	KENNETH V. MOTTINGER	73Z	8	ALFRED D FOGLEMAN ET. AL.
13	5	DAVID W. BRAY	74Z	8	WILLIAM FORREST, JR.
14	4,5	SUSAN SMALL	75Z	8	KIMBERLY F. DAVIS & HUSBAND, BRICK JEFFERY DAVIS
15Z	5	RICHARD H. SHIRLEY ET. AL.	76Z	8	THOMAS W. MANSFIELD
16Z	5	GREATSTONE EQUITIES, INC.	77Z	8	BRIAN N. EMERSON & WIFE, CARLA H. EMERSON
17	5	RICHARD H. SHIRLEY ET. AL.	78Z	8	DONNA BURCH
18	5	RICHARD H. SHIRLEY ET. AL.	79Z	8	CARL TEMPLE ET. AL.
19Z	5	DEBOER & GABRIEL PROPERTIES	80Z	8	IRENE JEFFREYS WALKER TRUST
20Z	5	HUMANE SOCIETY OF ALAMANCE COUNTY	81Z	8	SADIE L. BOST , ET AL
21	5	LEON DIXON GUNTER	82Z	8	GLICK PROPERTIES LLC
22Z	5	WILLIAM J. GIBASON	83Z	8	JOHN D. GROSE& JENNIFER L. WICKLAND
23Z	5	JUSTIN F. QUALLS	84Z	8	FREEMAN R. RICHEL. AL.
24AZ	5,6	LARRY W. MULLEN AND WIFE, THERESA J. MULLEN	85Z	8	ROBERT STEVE MASSEY
25	6	ETHELDRED B. CARTER, III ET. UX.	86Z	8	JERRY F. COKER & WIFE DEBRA R. COKER
26Z	6	PATRICIA A. DAVIS, ET. AL.	87Z	8	WILLIAM C. BASDEN ET. AL.
27Z	6	JUDITH E. SULLIVAN	88Z	8	EARL BAISE ET. AL.
28Z	6	CHARLES WILLIAM MITCHELL	89Z	8	RUBY T. GATES IRREVOCABLE TRUST
29Z	6	MICHAEL D. BECK	90Z	8	MARGARET G. FUQUAY
30	6	RUTH ANN PHILLIPS	91Z	8	CARL G. PECCI ET. AL.
31Z	6	KEITH SYKES	92Z	8	DOROTHY SIMPSON
32	6	GEORGE STEELMAN ET. AL.	94	8,9	TRIAD PROPERTY MANAGEMENT, LLC, A NC LIMITED LIABILITY COMPANY
33Z	6	OAK VILLAGE CONDOMINIUM OWNERS ASSOCIATION	95Z	9	CHADBOURN T. SHARPE
34Z	6	MICHAEL S. VENABLE ET. AL	96Z	9	ANTHONY PEREZ ET. AL.
35Z	6	SAMUEL WADE, JR.	97	9	ROY C. GILLAND & AMY L. GILLAND ET AL
36Z	5,6	GROVE PARK CONDOMINIUM ASSOCIATION, INC., ET AL.	98	9	I. PARKER KING ET. AL.
37	6	GROVE PARK CONDOMINIUM ASSOCIATION, INC., ET AL.	99Z	9	ELOISE BRYAN
38Z	5,6	DARRELL L. & TAMARA WILLIAMSON	100	9	EDITH LEMMONS
40Z	6	VIRGIE MATHERLY	101Z	9	THE CITY OF BURLINGTON
41Z	6	CHARLES BOSWELL ET. AL.	102	9	WILLOW CREEK APARTMENTS
42Z	6	JOHN M. HALL & CONNIE HALL & CHARLES BOSWELL	103	9	HOWARD THAXTON ET. AL.
43	6	GERALD PICKLER ET. AL.	104	9	WILLIAM SKELTON HEIRS
44Z	6	MARIELA BORROTO	105Z	9	HAYWOOD G. SIMPSON, JR.
45Z	6	THOMAS P. BLANCHARD AND SARAH N. BLANCHARD	106	9	ROBERT STEVE MASSEY
46Z	6	BYRON HOMER SYKES IRREVOCABLE TRUST	107Z	9	TRIAD HOLDING COMPANY, LLC A NORTH CAROLINA LIMITED LIABILITY CO.
47	6	ROLAND SENECA & THOMAS ALLEN	108Z	9	CECIL S. LITTLE ET. AL.
49	6	TROST LIVING TRUST	109Z	9	JAMES LEE WILSON & DEBORAH WILSON
50Z	6,7	DEXTER R. BARBEE	110Z	9	MCCOY ELLISON REALTY, INC.
51	6,7	INEZ SUMNER	111Z	9	THE GARDENS LLC
52	7	KENNETH WOOD ET. AL.			
53Z	7	DIANE W. AND RICHARD L. DAVIS			
54Z	7	JANET H & ROLAND BUTLER			
55Z	7	JEANETTE F CHRISCOE			
56	7	VIRGINIA A. M. DREWS			
57Z	7	KENNETH SMITH			
58Z	7	CHERYL PERRY DORETY			
59Z	7	CHERYL PERRY DORETY			
60Z	7	HOWARD GIBSON ET. AL.			
61Z	7,8	R.T. HOGAN			

PROJECT REFERENCE NO. U-3303B	SHEET NO. 5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



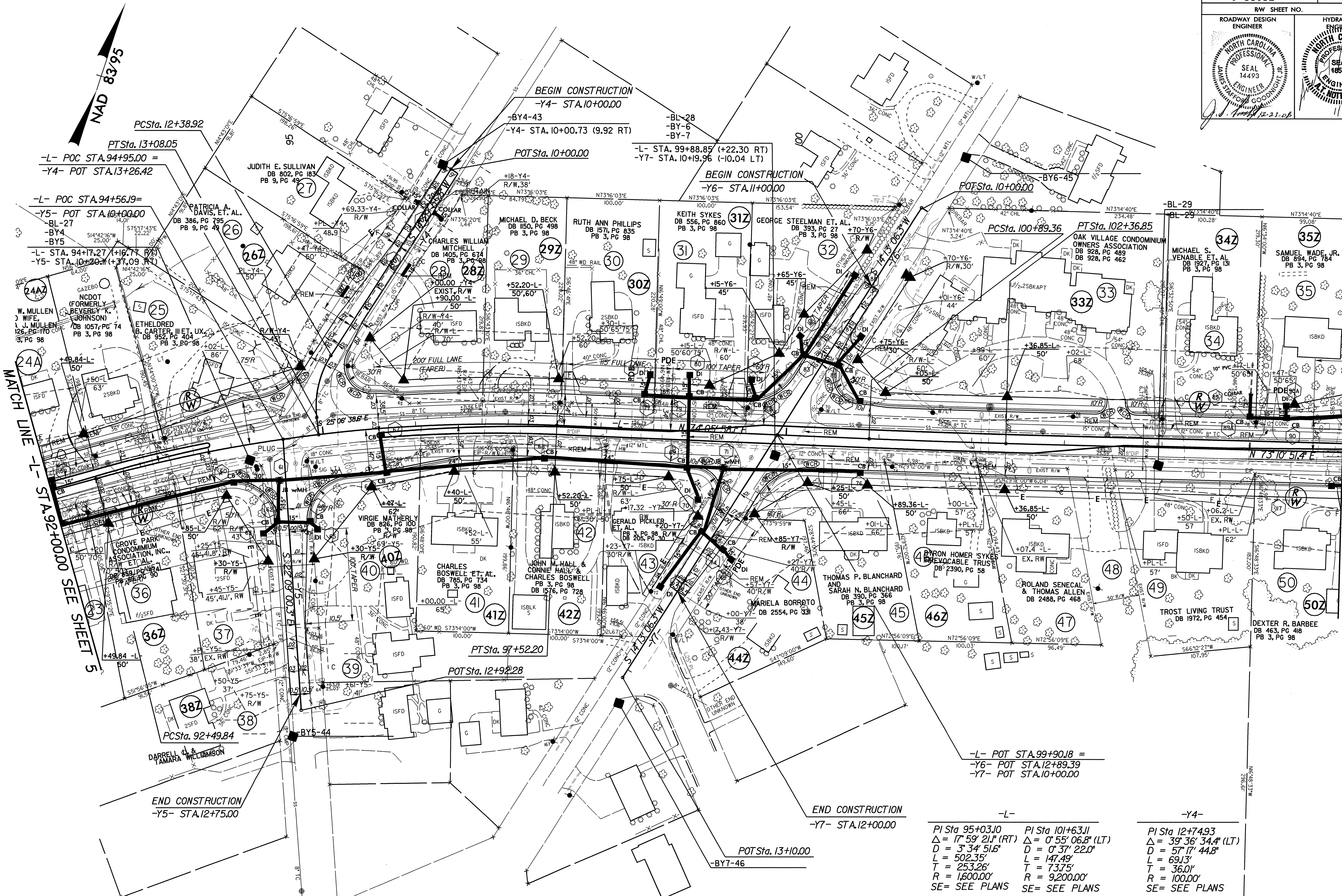
REVISIONS

MATCH LINE -L- STA 78+00.00 SEE SHEET 4

MATCH LINE -L- STA 92+00.00 SEE SHEET 6

-L-	-Y2-
PI Sta 79+54.31 Δ = 11' 12" 10.2" (RT) D = 3' 10" 59.2" L = 351.95' T = 176.54' R = 1,800.00' SE = SEE PLANS	PI Sta 86+40.26 Δ = 15' 22" 20.4" (LT) D = 4' 20" 26." L = 354.15' T = 178.15' R = 1,320.00' SE = SEE PLANS
	PI Sta 12+78.63 Δ = 47' 53" 51.0" (LT) D = 114' 35" 29.6" L = 41.80' T = 22.21' R = 500.00' SE = SEE PLANS

SEE SHEET 11 FOR -L- PROFILE
 SEE SHEET 14 FOR -Y1-, -Y2-, & -Y3- PROFILE
 SEE SHEET 2-F FOR -Y1- INTERSECTION DETAIL
 SEE SHEET 2-G FOR -Y2- & -Y3- INTERSECTION DETAIL



REVISIONS

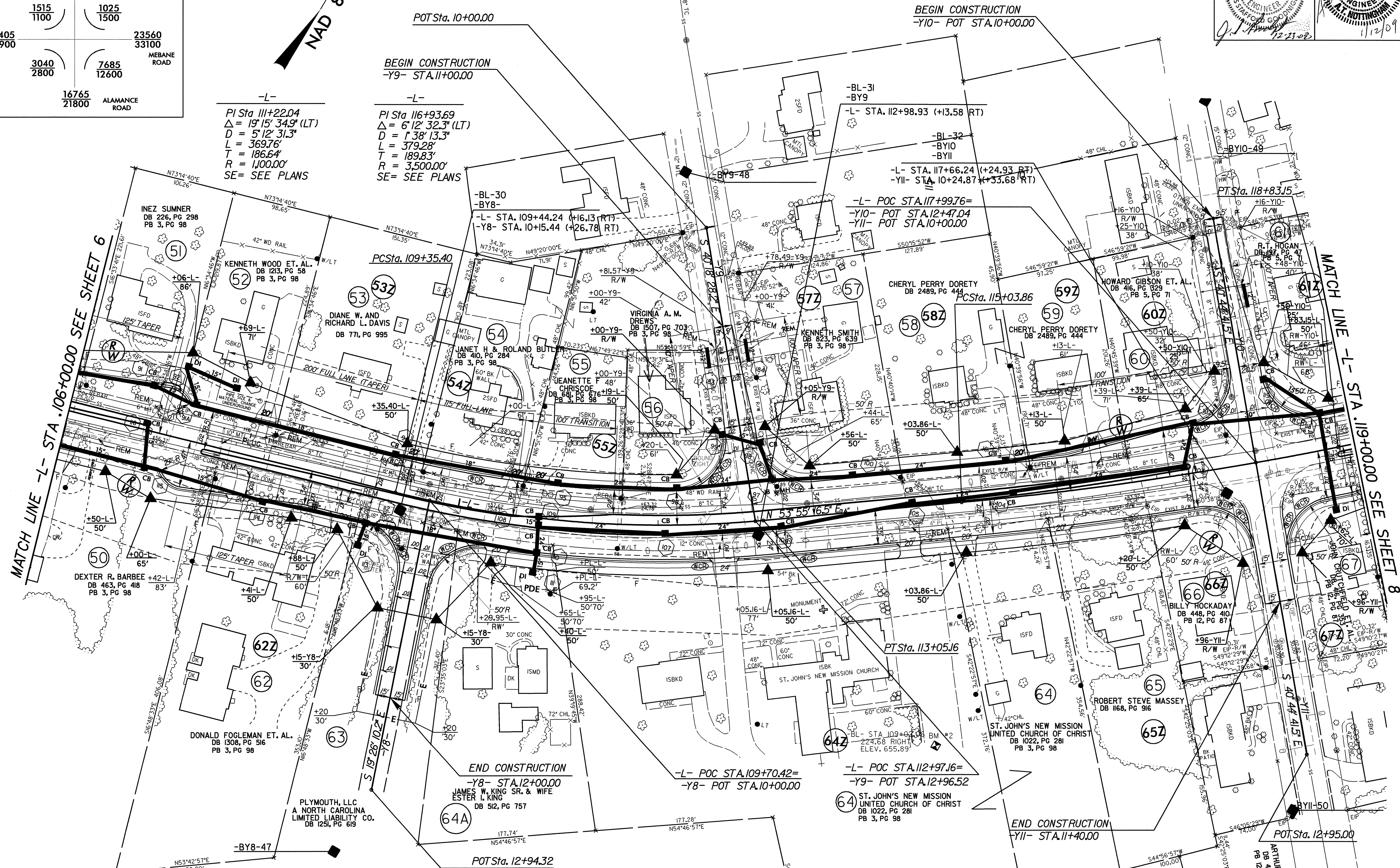
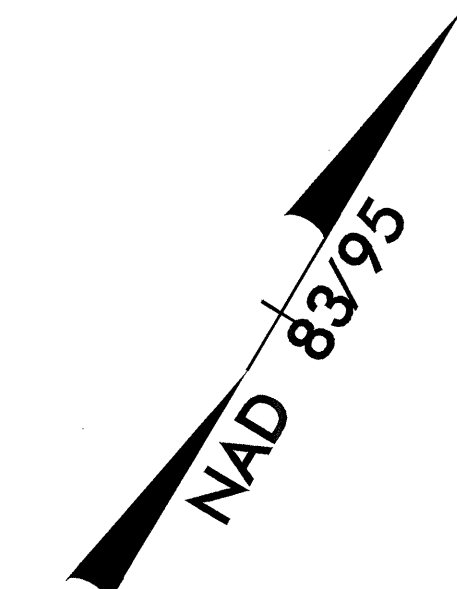
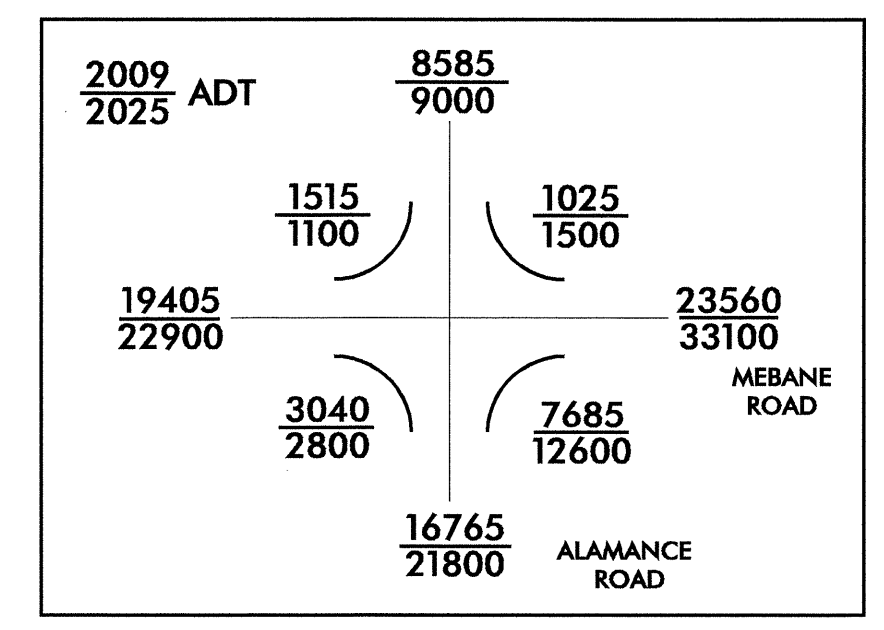
MATCH LINE -L- STA. 92+00.00 SEE SHEET 5

MATCH LINE -L- STA. 106+00.00 SEE SHEET 7

-L-	-Y6-	-Y4-
PI Sta 95+03.10	PI Sta 101+63.11	PI Sta 12+74.93
$\Delta = 17' 59' 21''$ (RT)	$\Delta = 0' 55' 06.8''$ (LT)	$\Delta = 39' 36' 34.4''$ (LT)
D = 3' 34' 51.6"	D = 0' 37' 22.0"	D = 57' 17' 44.8"
L = 502.35'	L = 147.49'	L = 69.13'
T = 253.26'	T = 73.75'	T = 36.01'
R = 1,600.00'	R = 9,200.00'	R = 100.00'
SE = SEE PLANS	SE = SEE PLANS	SE = SEE PLANS

SEE SHEET 2-G FOR -Y4- & -Y5- INTERSECTION DETAIL
 SEE SHEET 2-H FOR -Y6- & -Y7- INTERSECTION DETAIL
 SEE SHEET 11 & 12 FOR -L- PROFILE
 SEE SHEET 14 FOR -Y4- PROFILE
 SEE SHEET 15 FOR -Y5-, -Y6-, & -Y7-

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 \$\$\$\$\$\$ USER NAME: \$\$\$\$\$\$

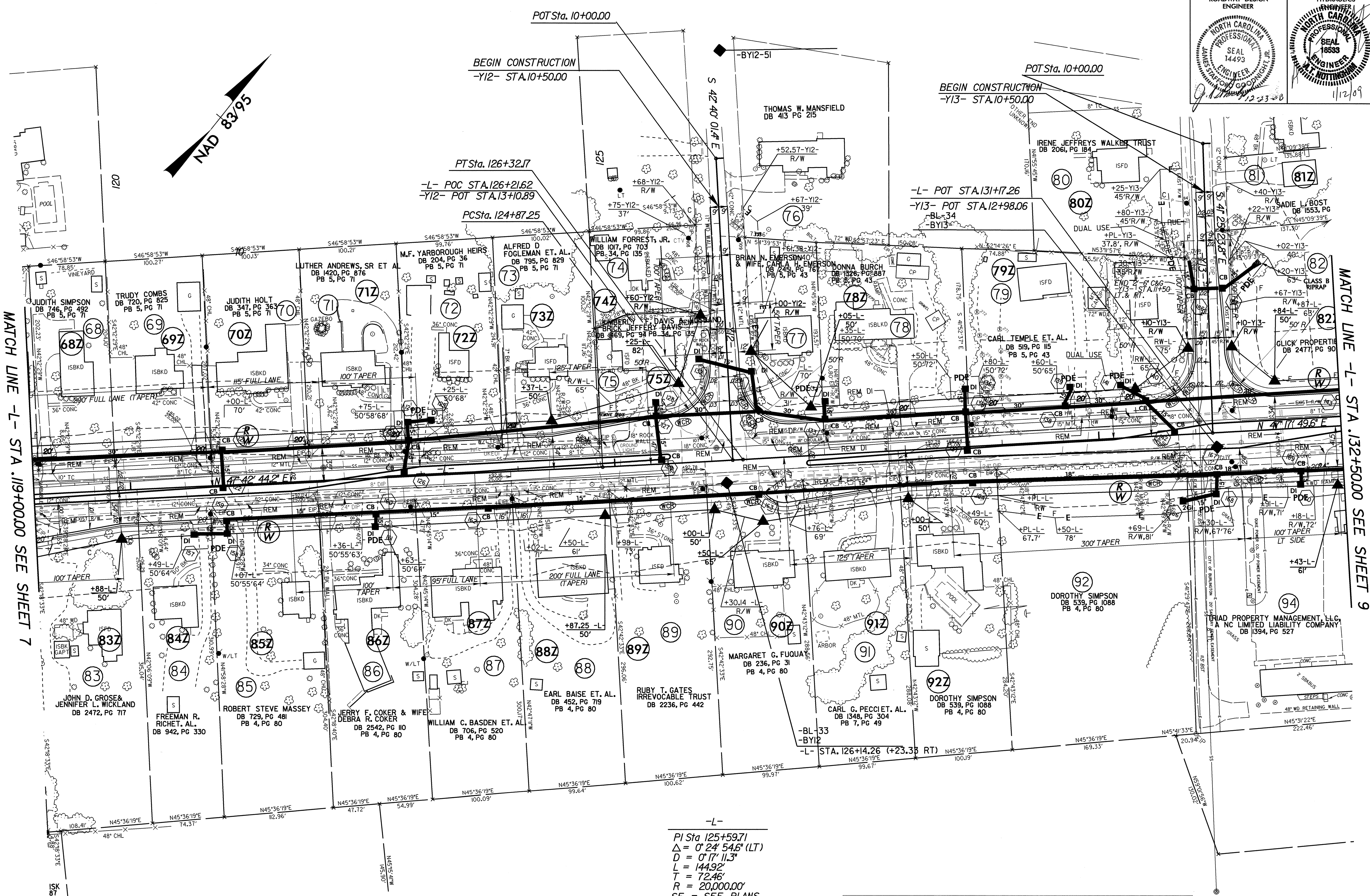


SEE SHEET 2-H FOR -Y8- INTERSECTION DETAIL
 SEE SHEET 2-I FOR -Y9-, -Y10-, & -Y11- INTERSECTION DETAIL
 SEE SHEET 12 FOR -L- PROFILE
 SEE SHEET 15 FOR -Y8-, -Y9-, & -Y10- PROFILE
 SEE SHEET 16 FOR -Y11- PROFILE

REVISIONS

8/17/99

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 J.S.P.



MATCH LINE -L- STA. 119+00.00 SEE SHEET 7

MATCH LINE -L- STA. 132+50.00 SEE SHEET 9

-L-
 PI Sta 125+59.71
 $\Delta = 0' 24' 54.6" (LT)$
 $D = 0' 17' 11.3"$
 $L = 144.92'$
 $T = 72.46'$
 $R = 20,000.00'$
 SE = SEE PLANS

SEE SHEET 2-J FOR -Y12-&-Y13- INTERSECTION DETAIL
 SEE SHEET 12 & 13 FOR -L- PROFILE
 SEE SHEET 16 FOR -Y12- & -Y13- PROFILES

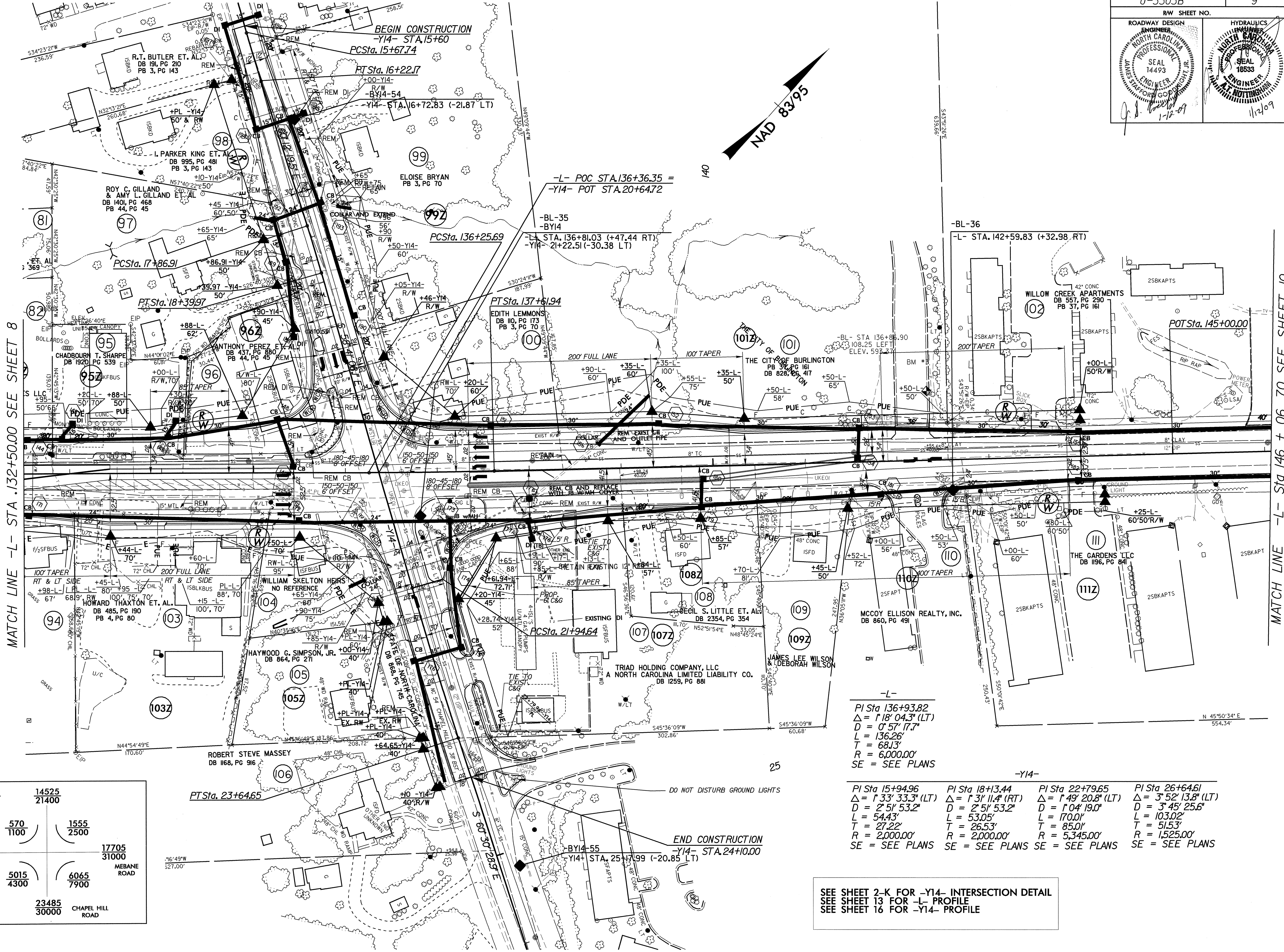
REVISIONS

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8/17/99

PROJECT REFERENCE NO. U-3303B	SHEET NO. 9
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 14493 JAMES STAFFORD GODDARD 1-12-09	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 18533 JAMES STAFFORD GODDARD 11/2/09



MATCH LINE -L- STA. 132+50.00 SEE SHEET 8

MATCH LINE -L- Sta 146 + 06.70 SEE SHEET 10

REVISIONS

2009 ADT 2025	14525 21400
570 1100	1555 2500
17705 26000	17705 31000
5015 4300	6065 7900
23485 30000	CHAPEL HILL ROAD

-L-
 PI Sta 136+93.82
 $\Delta = 1' 18" 04.3" (LT)$
 $D = 0' 57" 17.7"$
 $L = 136.26'$
 $T = 68.13'$
 $R = 6,000.00'$
 SE = SEE PLANS

PI Sta 15+94.96 $\Delta = 1' 33" 33.3" (LT)$ $D = 2' 51" 53.2"$ $L = 54.43'$ $T = 27.22'$ $R = 2,000.00'$ SE = SEE PLANS	PI Sta 18+13.44 $\Delta = 1' 31" 11.4" (RT)$ $D = 2' 51" 53.2"$ $L = 53.05'$ $T = 26.53'$ $R = 2,000.00'$ SE = SEE PLANS	PI Sta 22+79.65 $\Delta = 1' 04" 19.0" (LT)$ $D = 1' 04" 19.0"$ $L = 170.01'$ $T = 85.01'$ $R = 5,345.00'$ SE = SEE PLANS	PI Sta 26+64.61 $\Delta = 3' 52" 13.8" (LT)$ $D = 3' 45" 25.6"$ $L = 103.02'$ $T = 51.53'$ $R = 1,525.00'$ SE = SEE PLANS
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SEE SHEET 2-K FOR -Y14- INTERSECTION DETAIL
 SEE SHEET 13 FOR -L- PROFILE
 SEE SHEET 16 FOR -Y14- PROFILE

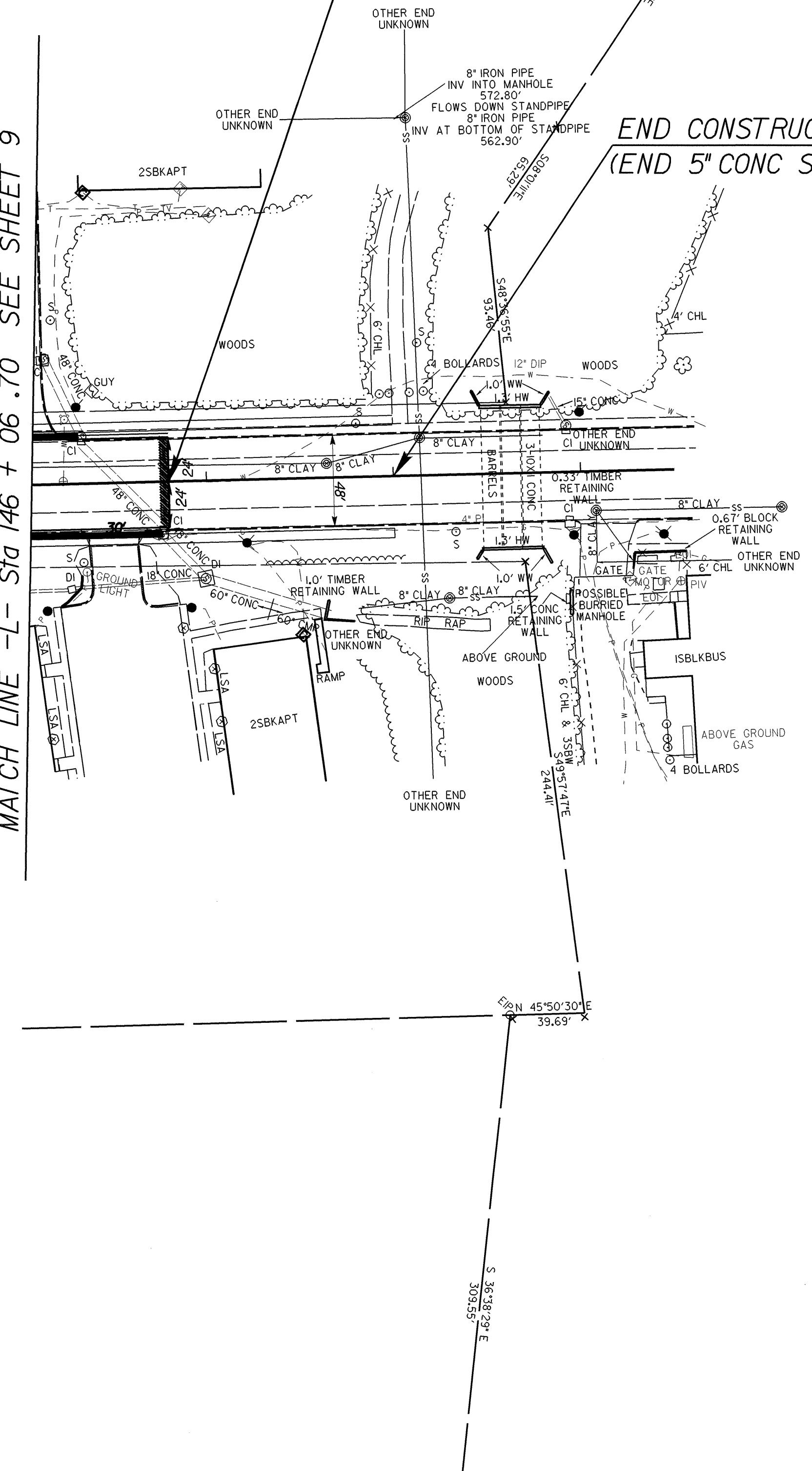
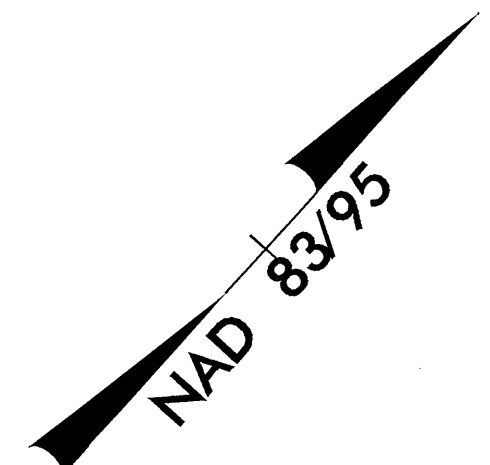
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JAMES STAFFORD GODDARD

PROJECT REFERENCE NO. U-3303B	SHEET NO. 10
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER SEAL 14493 JAMES STAFFORD GOODWRIGHT, JR. 12-23-08	HYDRAULICS ENGINEER SEAL 18433 11/2/09

STA.146+80 -L- END STATE PROJECT 34911.I.I
 STA.146+80 -L- END S.A. PROJECT STP-1306(8)

END CONSTRUCTION STA.148+00
 (END 5" CONC SIDEWALK)

MATCH LINE -L- Sta 146 + 06 .70 SEE SHEET 9

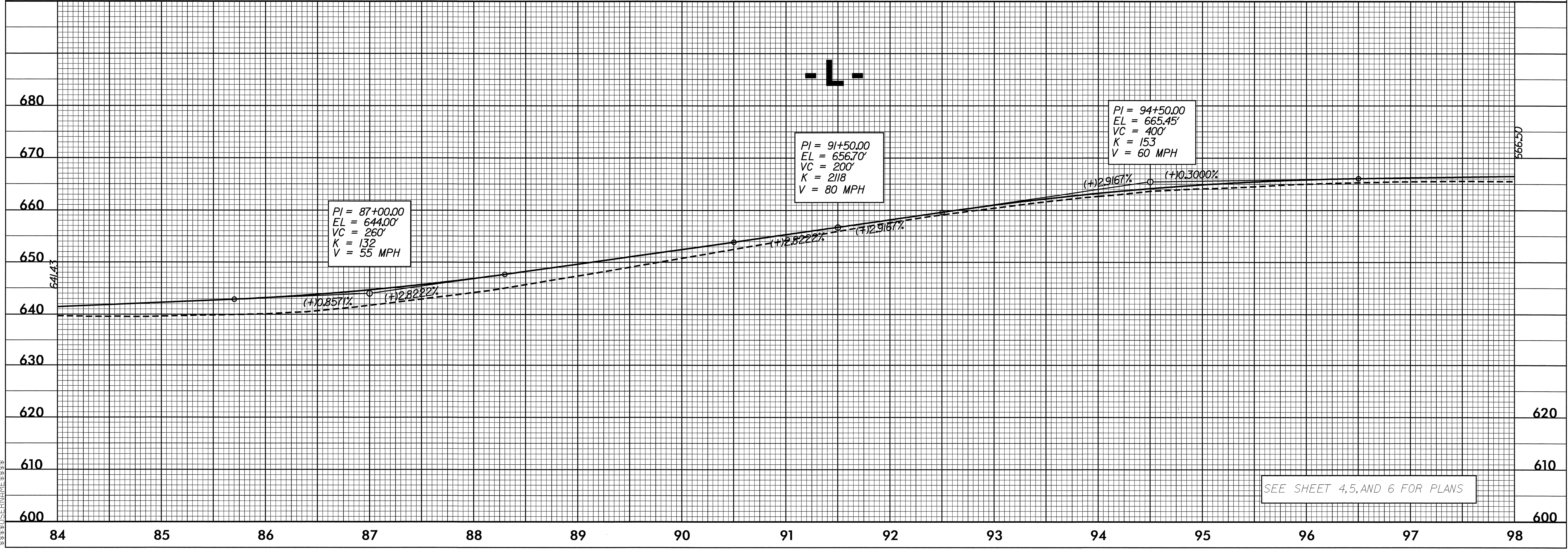
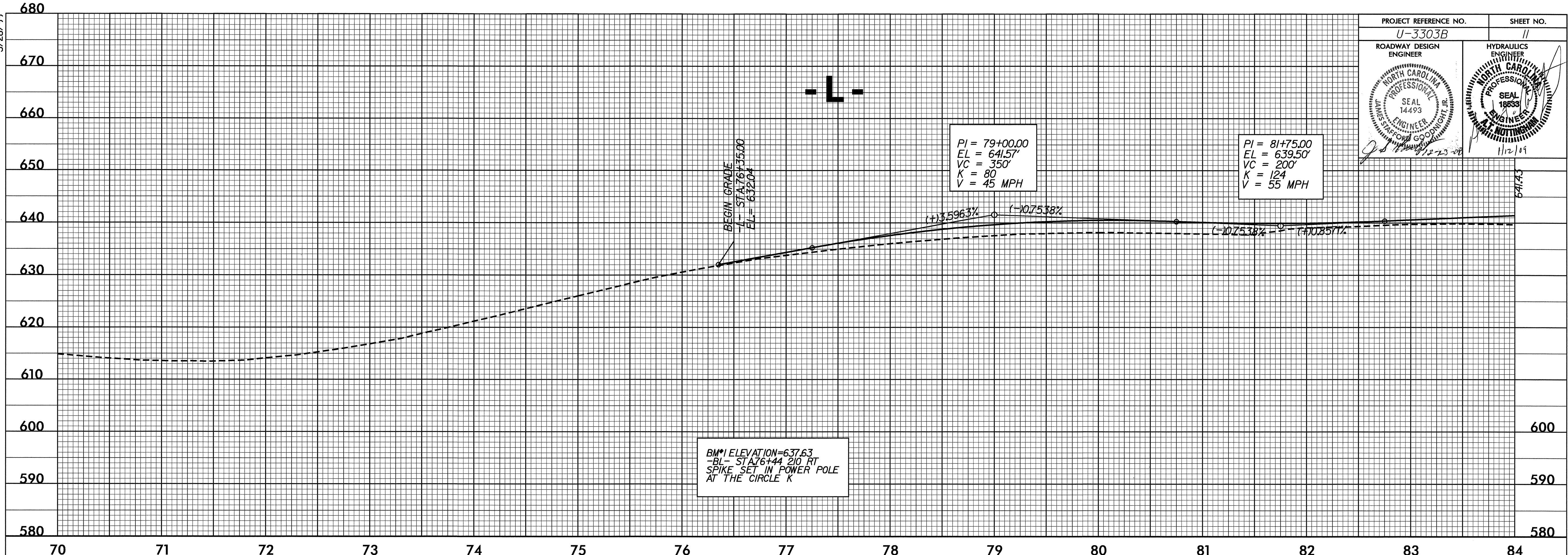


REVISIONS

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 JAMES STAFFORD GOODWRIGHT, JR.

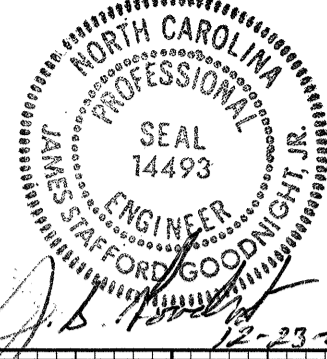
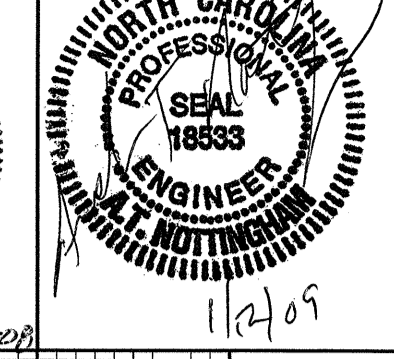
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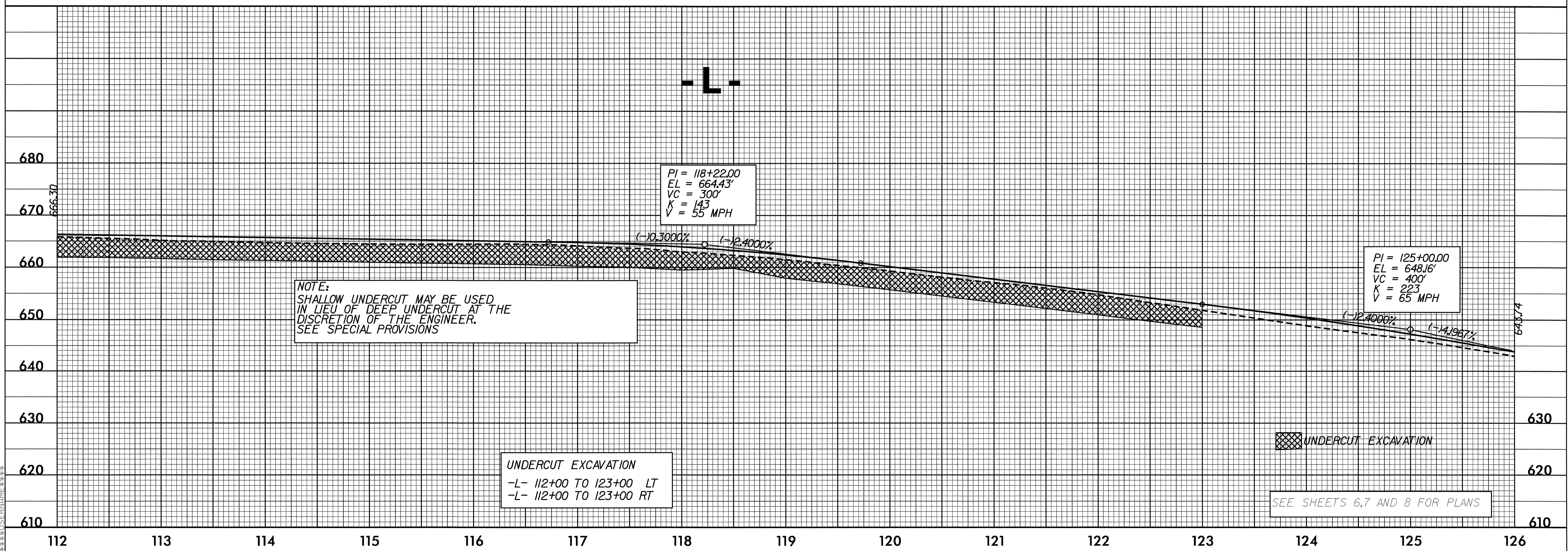
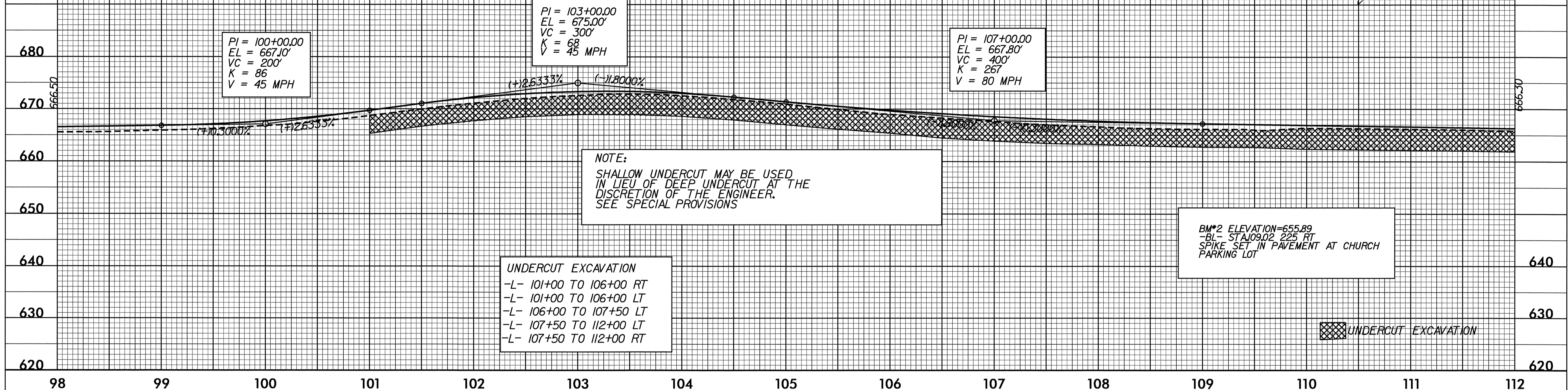
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ROADWAY DESIGN ENGINEER JAMES STARFORD GOODYEAR JR. SEAL 14493	HYDRAULICS ENGINEER JAMES STARFORD GOODYEAR JR. SEAL 18633



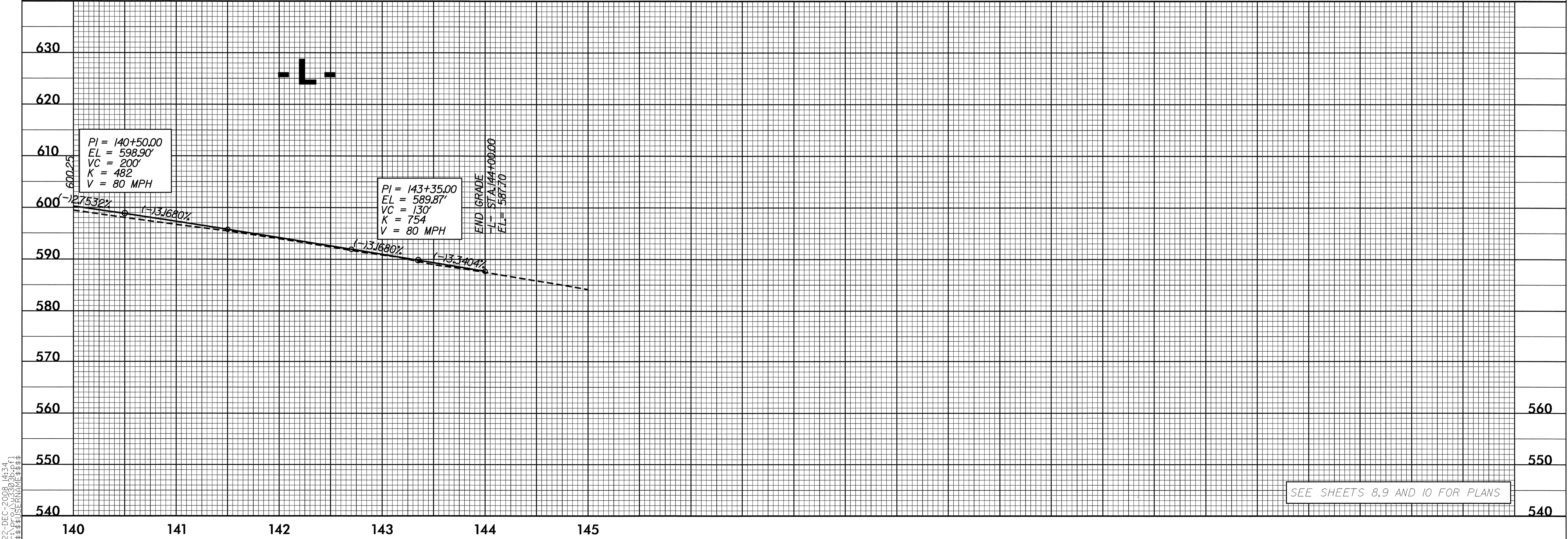
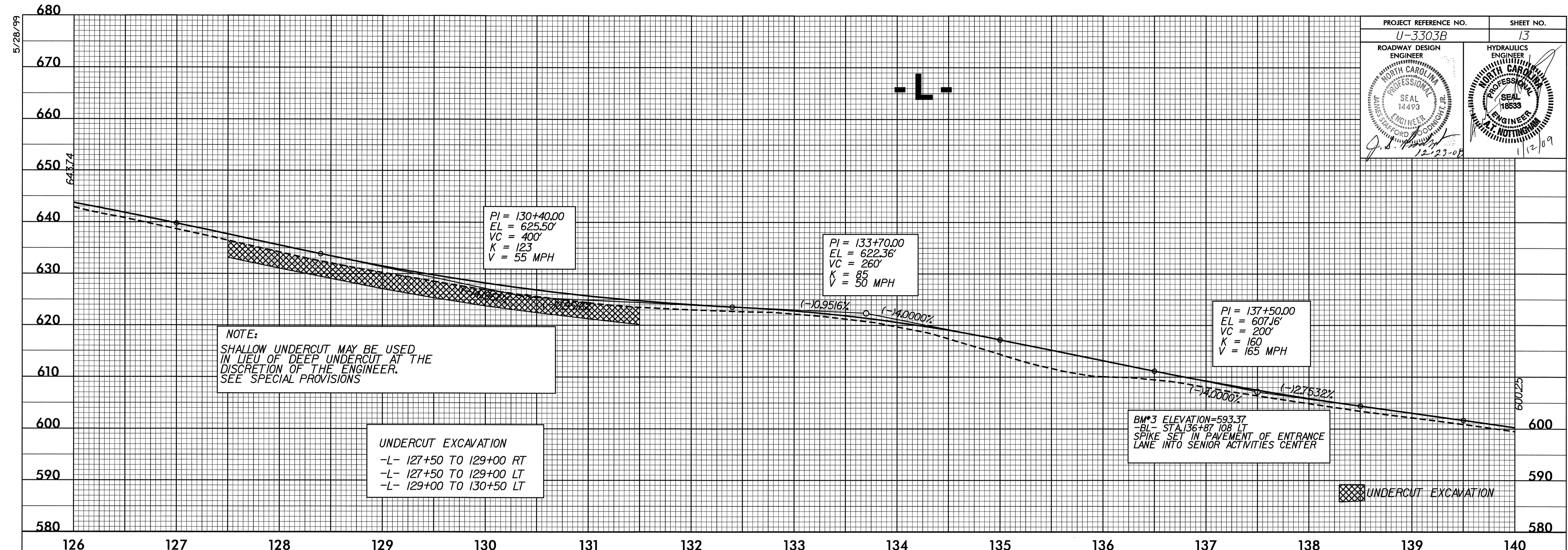
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JAMES STARFORD GOODYEAR JR.

5/28/99

PROJECT REFERENCE NO. U-3303B	SHEET NO. 12
ROADWAY DESIGN ENGINEER J. B. [Signature]	HYDRAULICS ENGINEER [Signature]
	



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J.B.GOODNIGHT, JR.

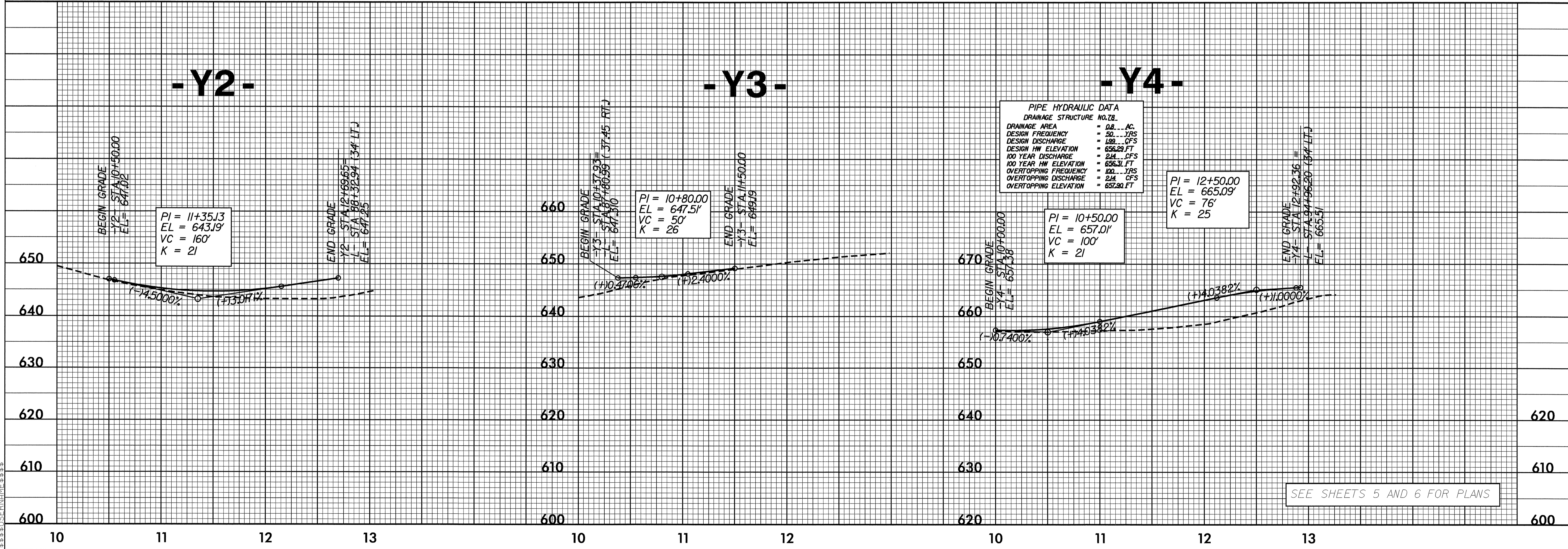
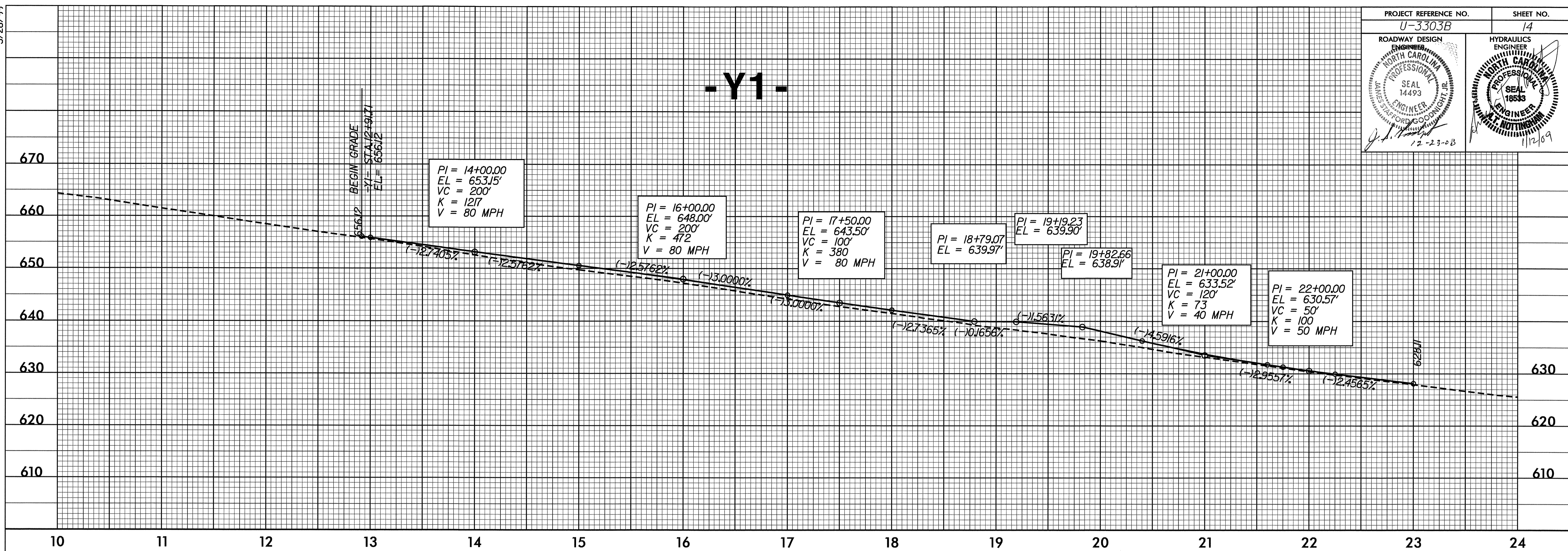


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PROJECT REFERENCE NO. U-3303B	SHEET NO. 14
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 14493	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 18835
<i>J. S. [Signature]</i> 12-23-03	<i>[Signature]</i> 1/2/09

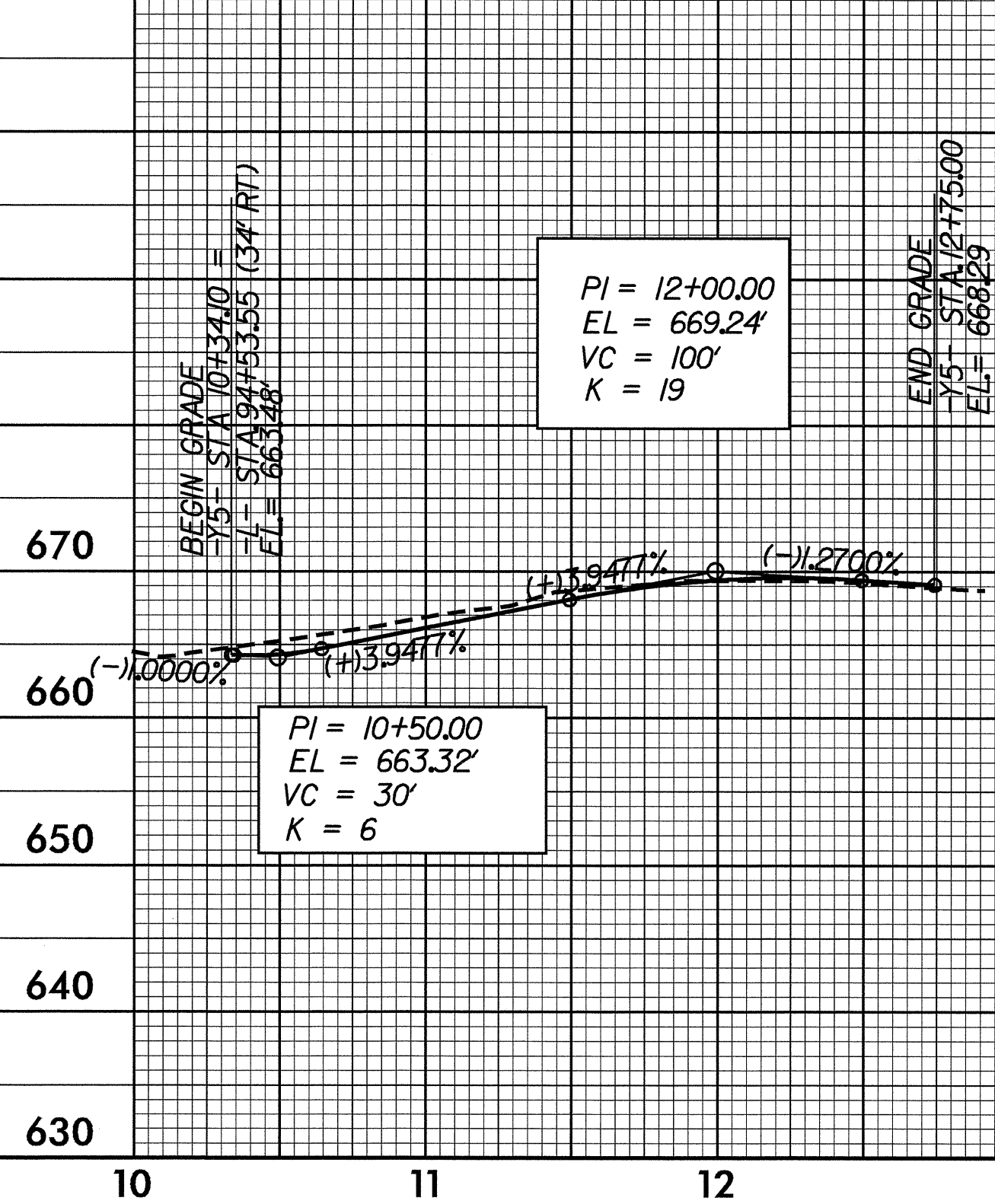


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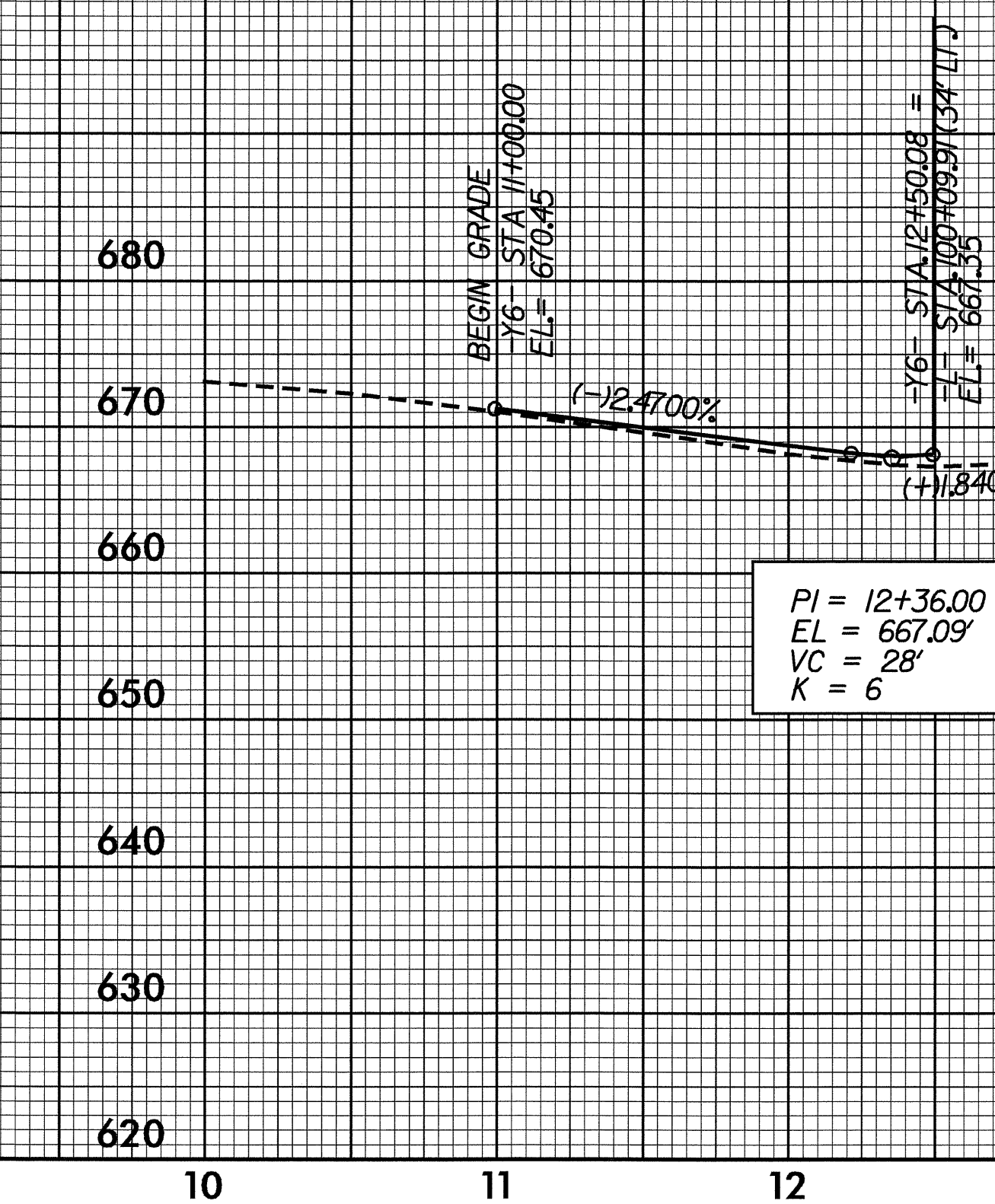
5/28/99

PROJECT REFERENCE NO. U-3303B	SHEET NO. 15
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 14493 STAFFORD GOODING	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 18533 11/2/09

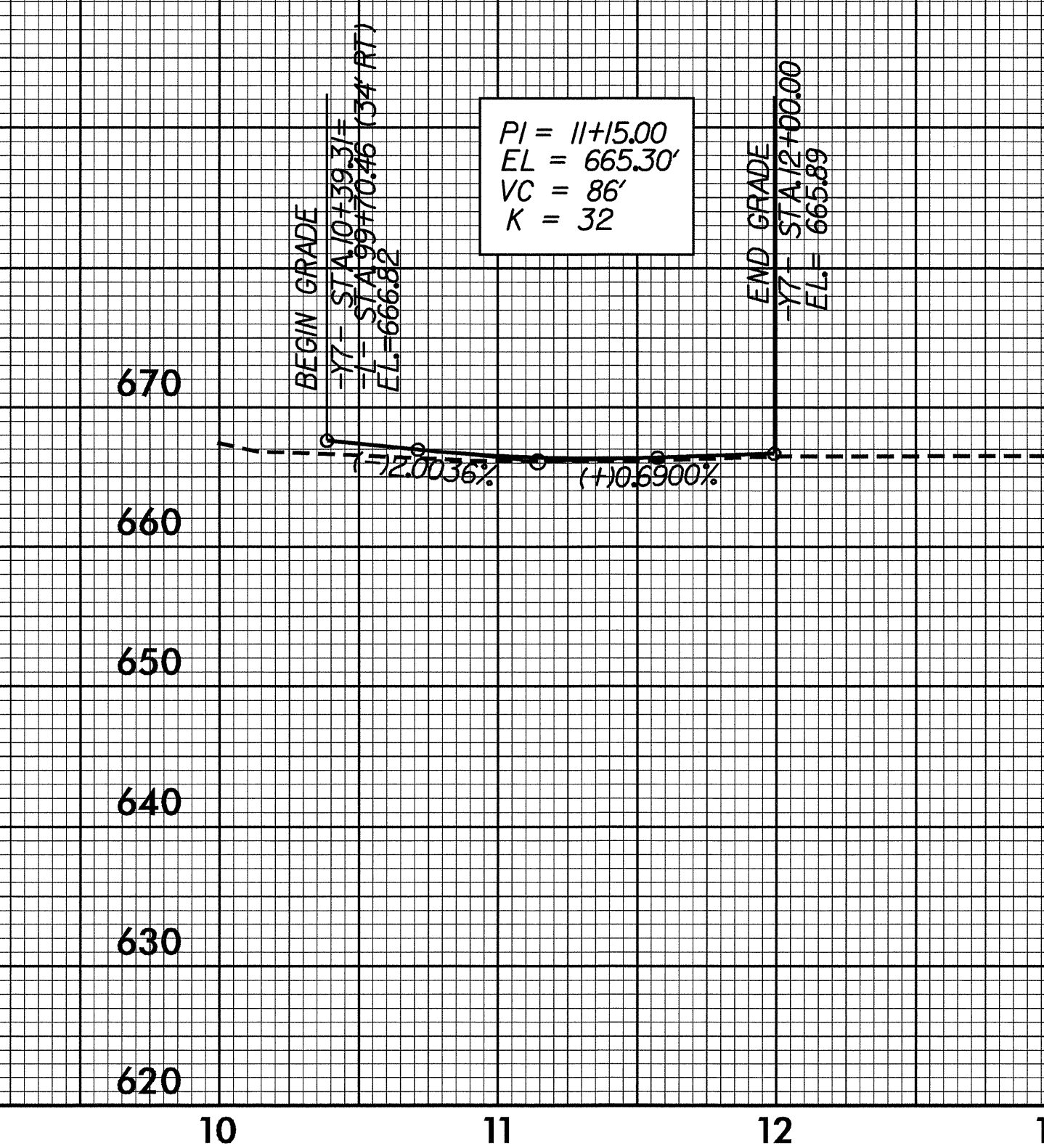
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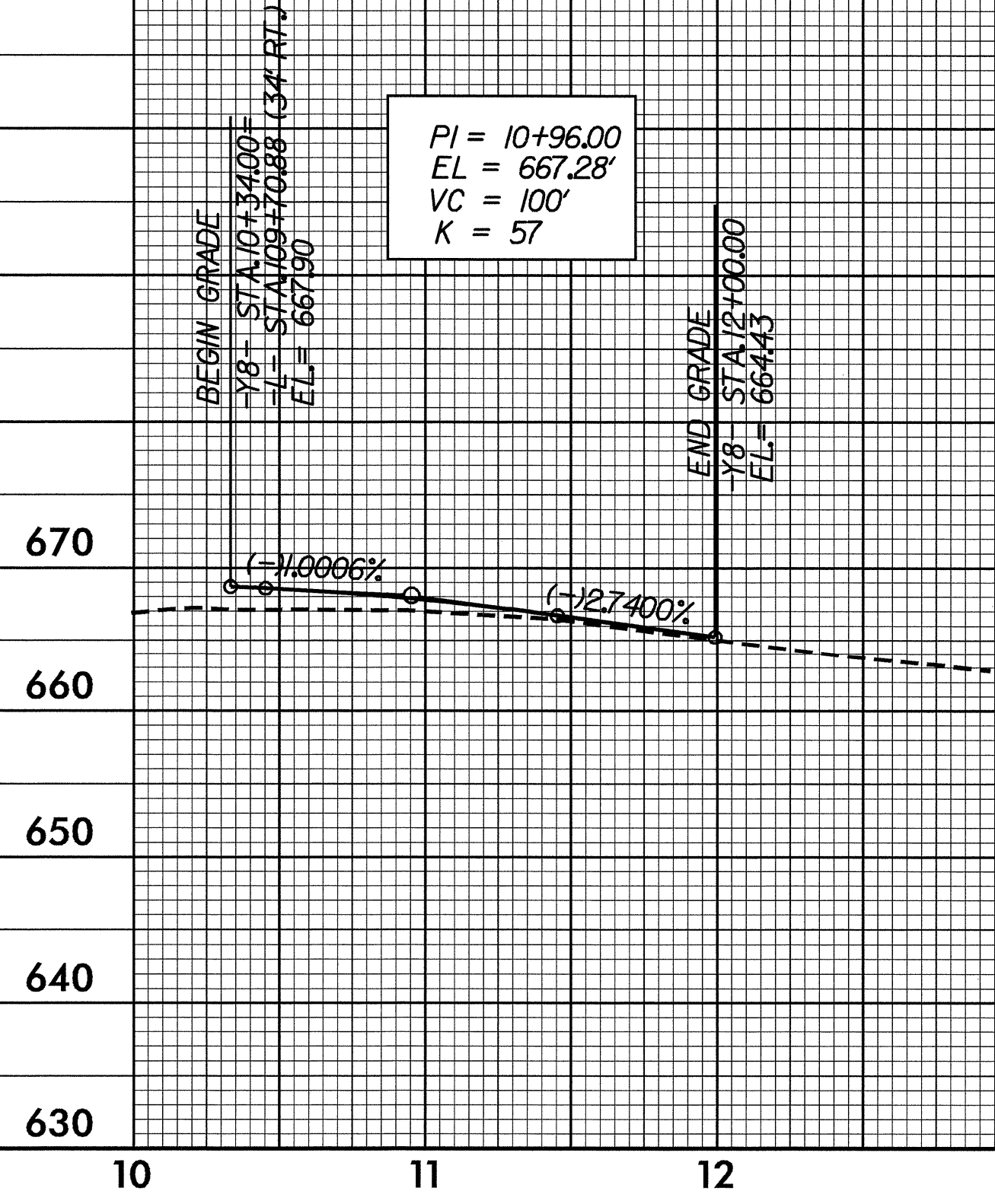
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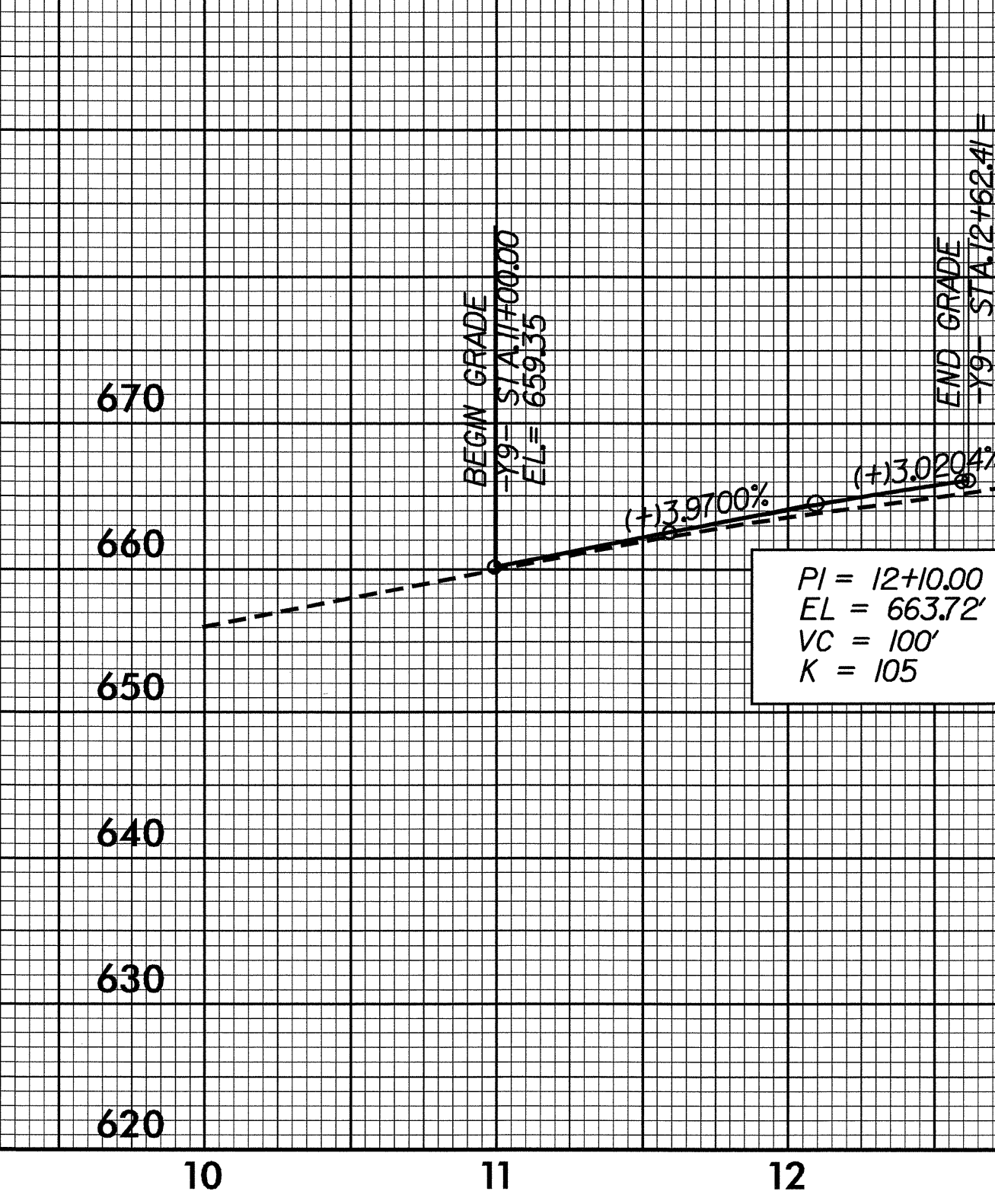
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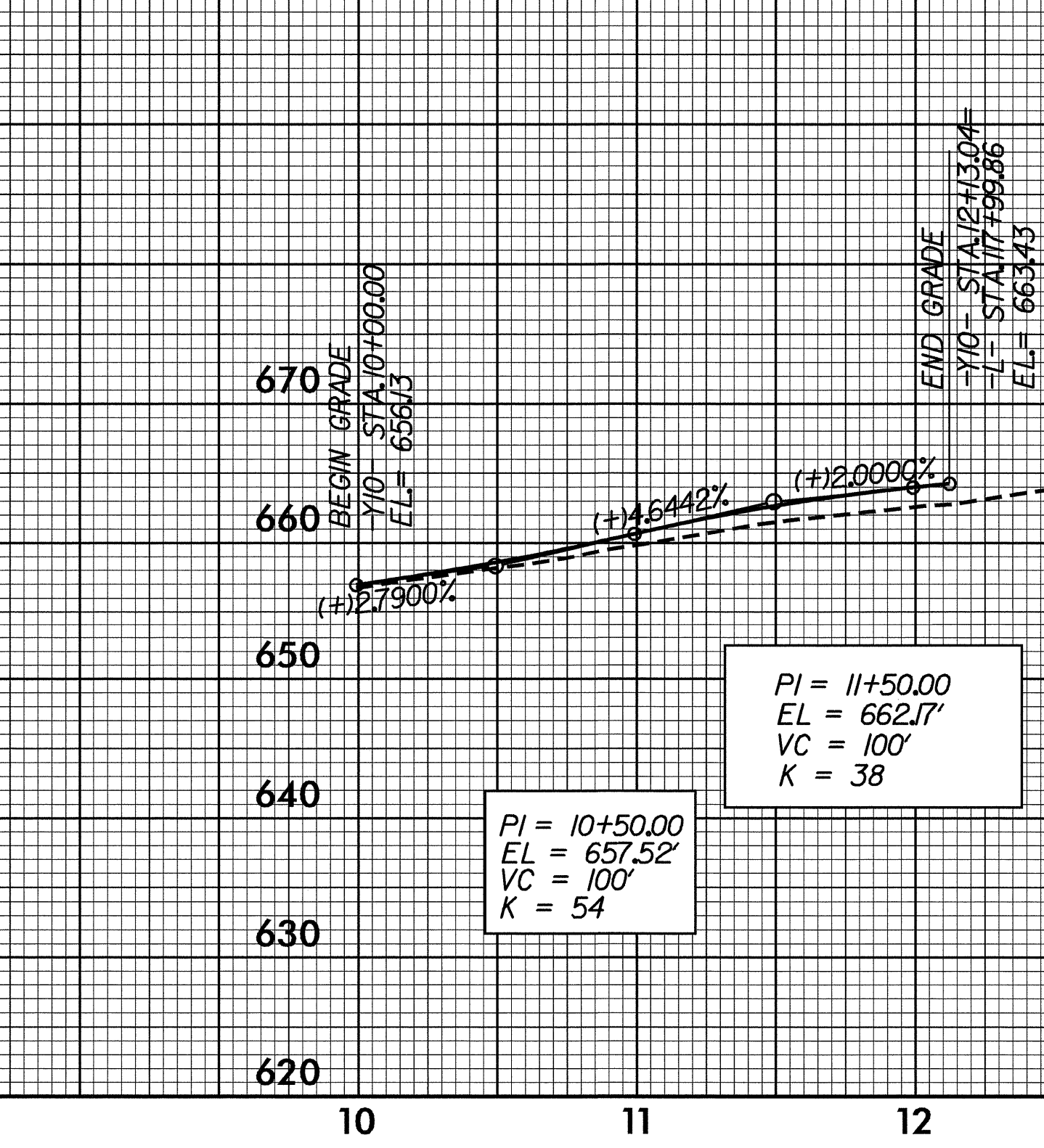
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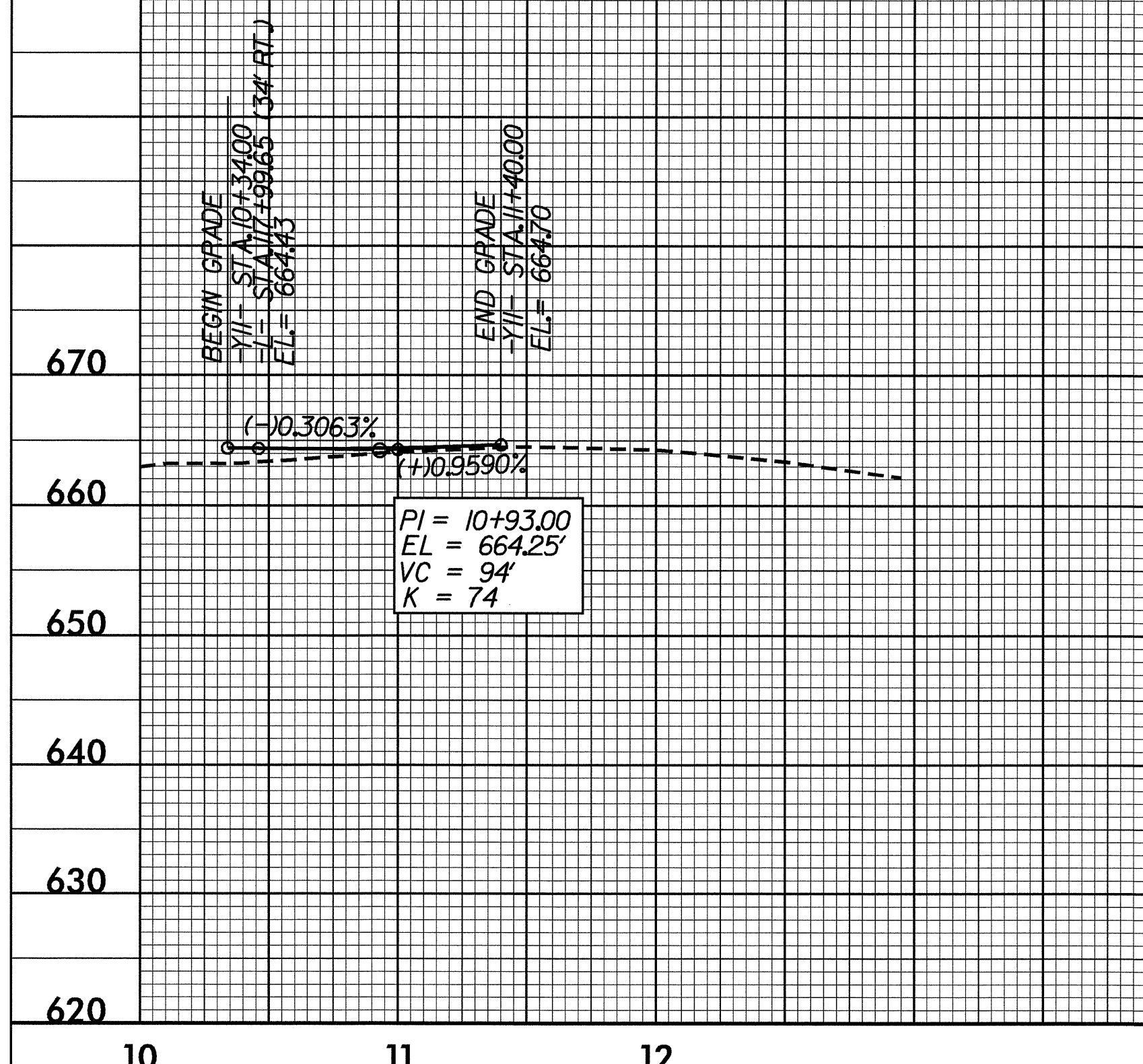
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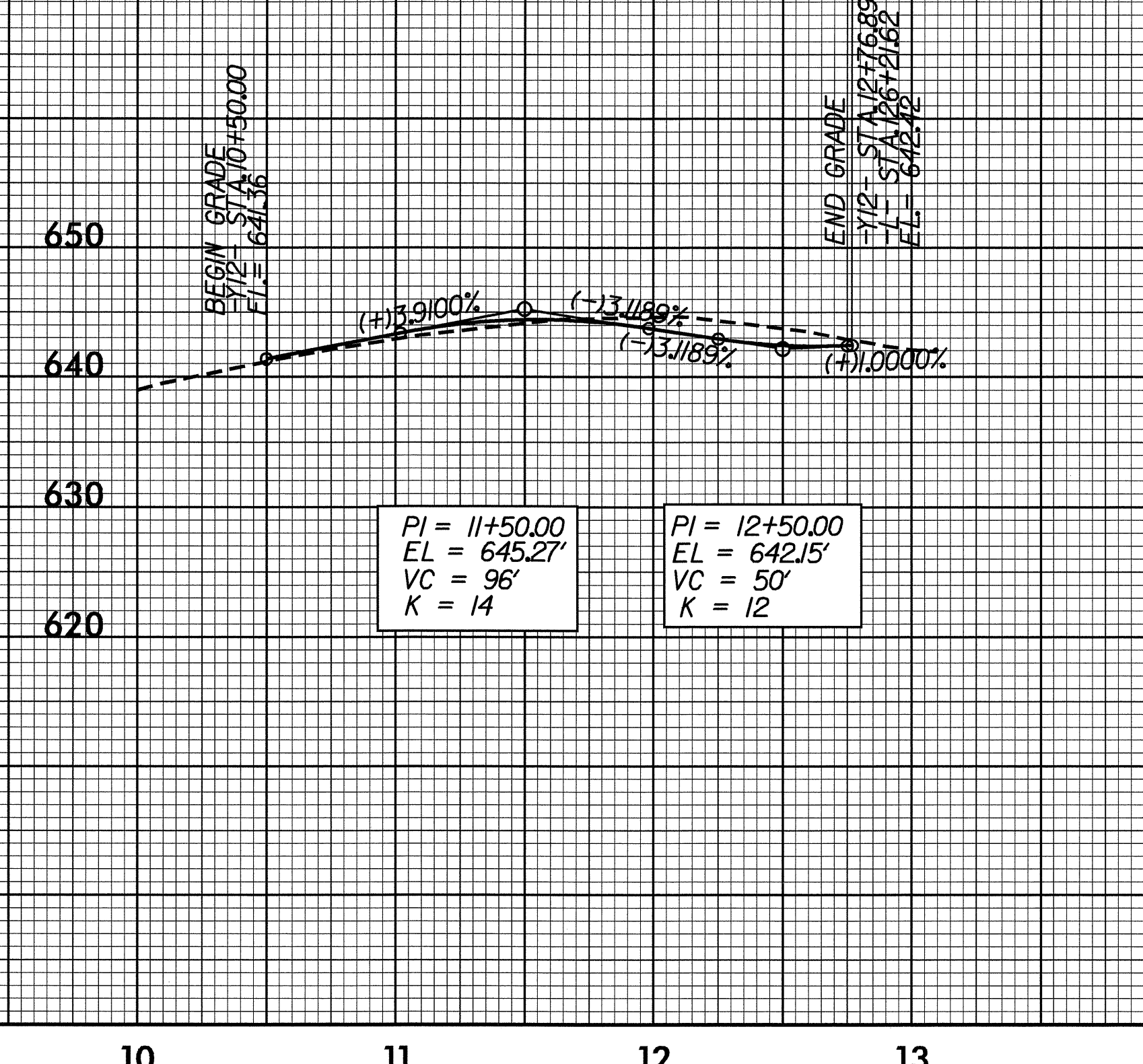
SEE SHEETS 6 AND 7 FOR PLANS

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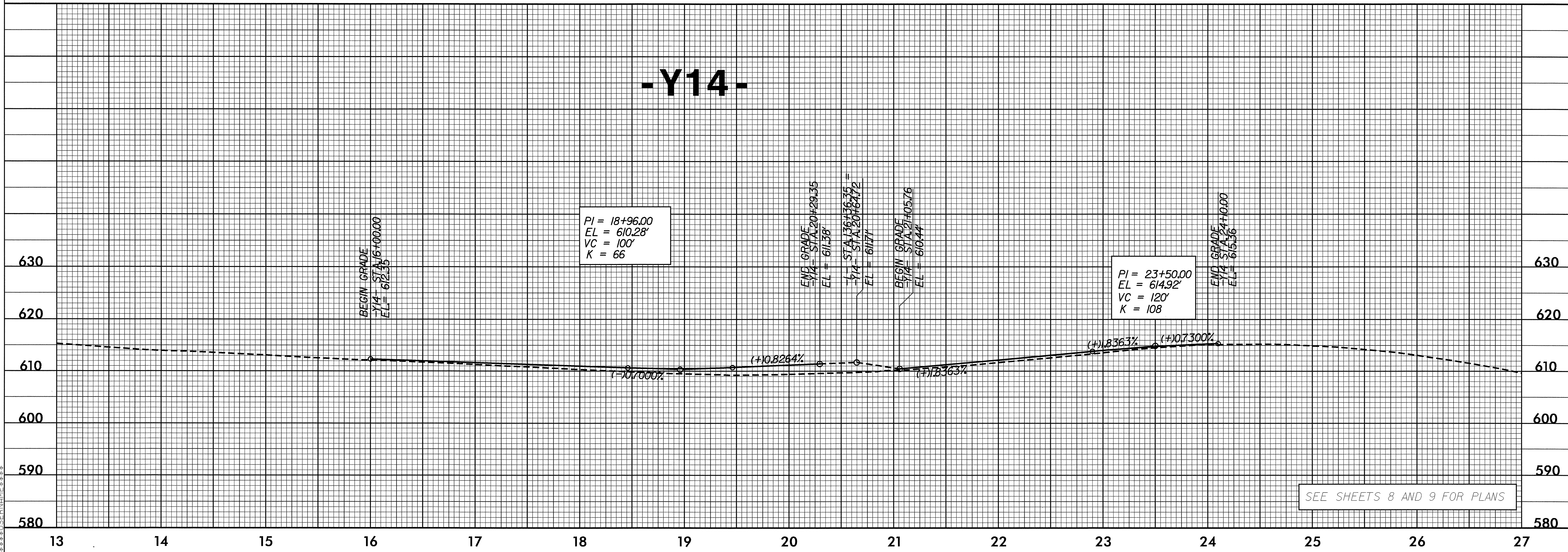
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-Y14-



SEE SHEETS 8 AND 9 FOR PLANS