

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5503	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45475.1.1	HSIP-0268(18)	P.E.	
45475.2.FR1	HSIP-0268(18)	R/W /UTIL	
45475.3.FR1	HSIP-0268(18)	CONST	

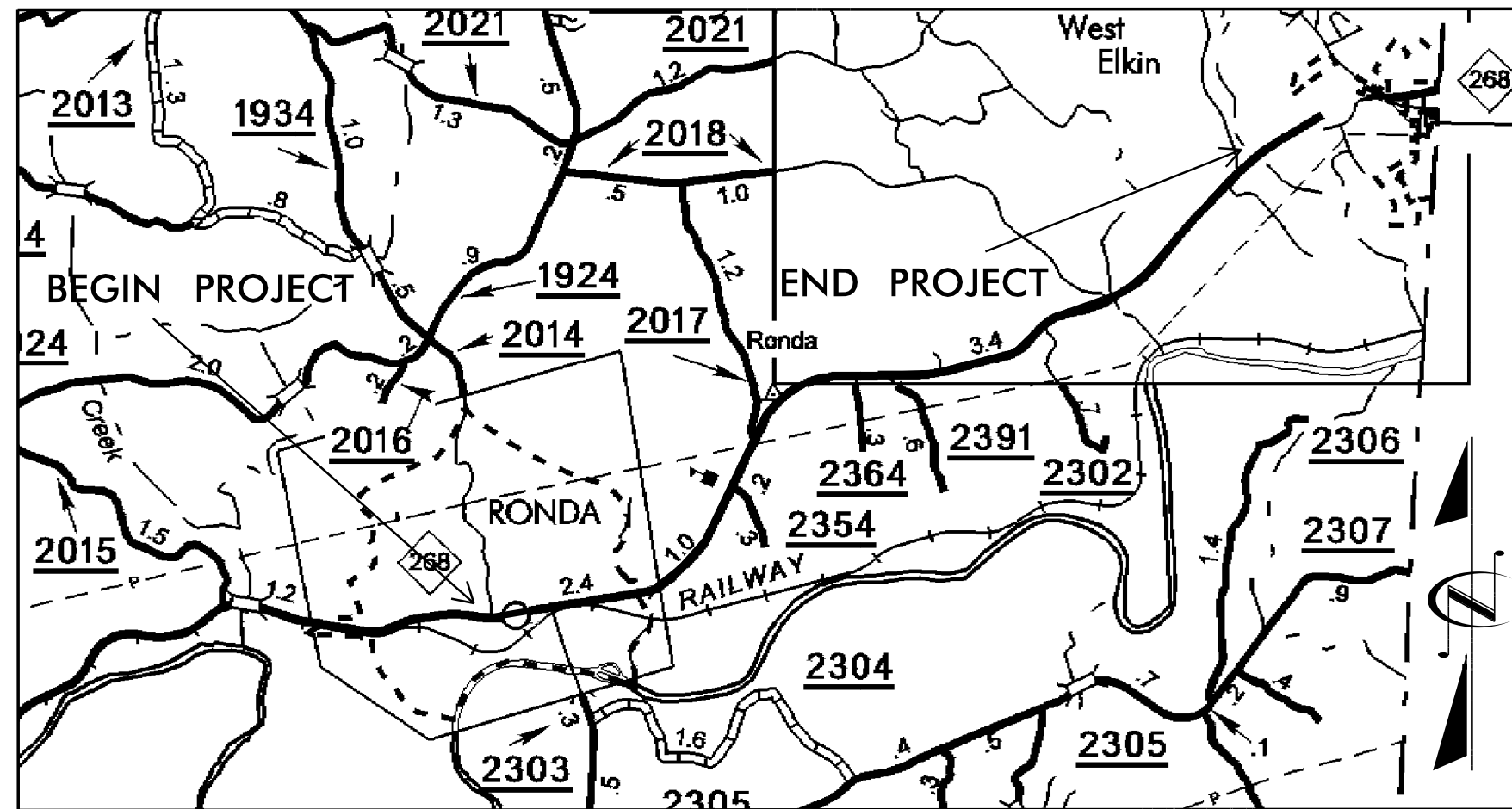
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WILKES COUNTY

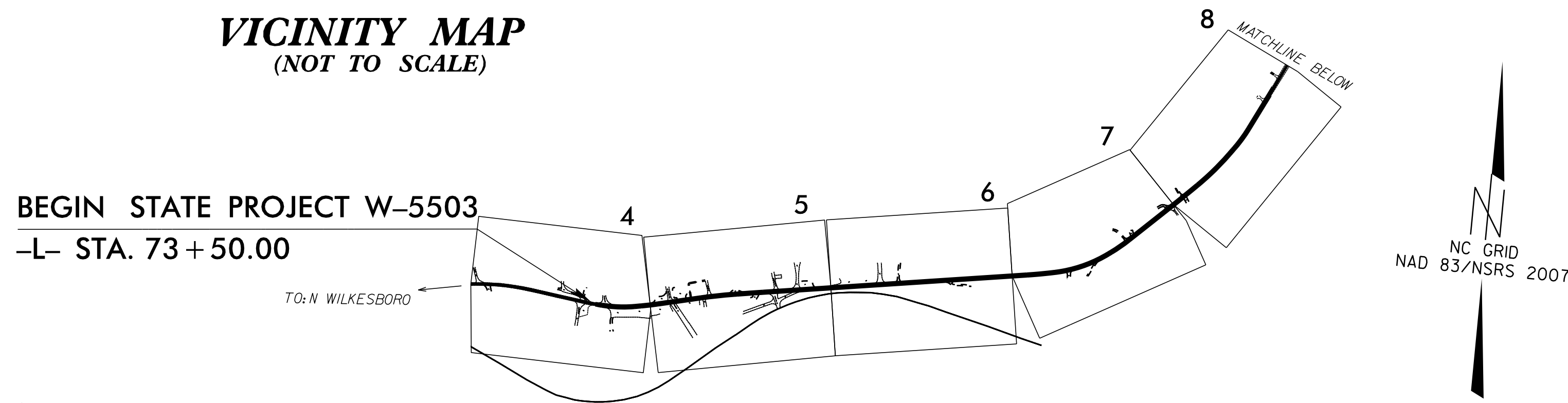
LOCATION: NC 268 EAST OF NORTH WILKESBORO

TYPE OF WORK: WIDEN MULTIPLE SECTIONS, IMPROVE SHOULDERS,
AND PAVEMENT MARKINGS

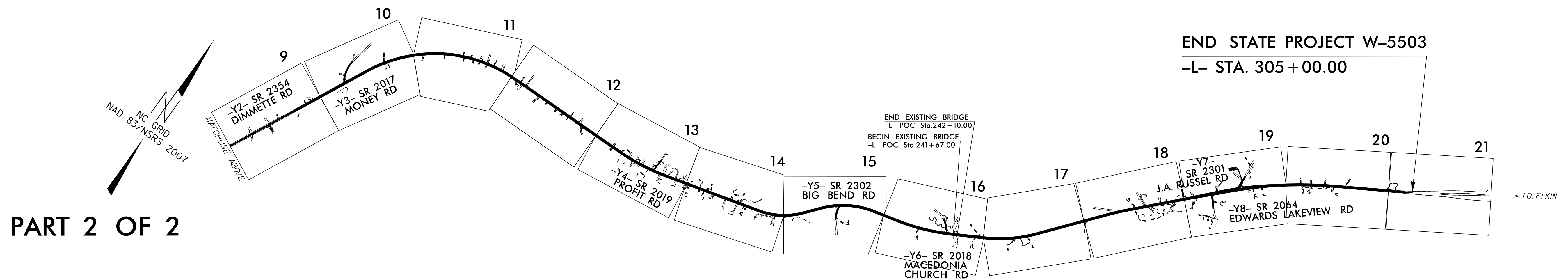
See Sheet 1-A For Index of Sheets



VICINITY MAP
(NOT TO SCALE)



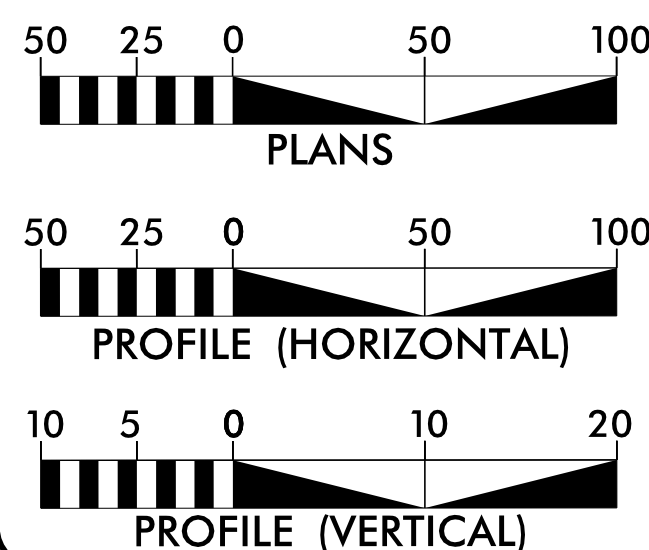
PART 1 OF 2



PART 2 OF 2

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2016 = 8100
ADT 2040 = 9600
DHV = 55 %
D = 9 %
T = 9 % *
V = 35-55 MPH
* TTST = 3% DUAL 6%

REGIONAL TIER DESIGN
FUNCTIONAL CLASSIFICATION:
RURAL COLLECTOR

PROJECT LENGTH

PROJECT W-5503 LENGTH = 4.38 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
801 Statesville Road, North Wilkesboro, NC 28659

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
February 18, 2016

LETTING DATE:
September 29, 2016

DIVISION ENGINEER
M.A. PETTYJOHN, PE

DocuSigned by:
M. A. Pettyjohn
P.E.
SIGNATURE
9/9/2016
DATE

HYDRAULICS ENGINEER
MARC SHOWN, PE



DocuSigned by:
Marc T. Shown
P.E.
SIGNATURE
9/9/2016
DATE

DIVISION PROJECT MANAGER
JOSEPH L. LAWS, PE




DocuSigned by:
Joseph L. Laws
P.E.
SIGNATURE
9/8/2016
DATE

08-SEP-2016 11:56 R:\w5503\Roadway\Proj\W-5503_Rdy_tsh.dgn CONTRACT: W-5503 CONTRACT: DK00202

STATE PROJECT: W-5503

CONTRACT: DK00202

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
INDEX OF SHEETS

PROJECT REFERENCE NO. <i>W-5503</i>	SHEET NO. <i>1-A</i>
ROADWAY DESIGN ENGINEER  Documented by <i>Joseph L. Laws</i> 8/8/2016	

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

SHEET NUMBER	INDEX OF SHEETS SHEET
1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
1-B	CONVENTIONAL SYMBOLS
2 THRU 2A	PAVEMENT SCHEDULE, TYPICAL SECTIONS, AND WEDGING DETAILS
3A THRU 3B	SUMMARY OF DRAINAGE QUANTITIES, EARTHWORK SUMMARY, AND GUARDRAIL SUMMARY
3C	PARCEL INDEX SHEET
4 THRU 21	PLAN SHEETS
22 THRU 27	PROFILE SHEETS
PMP-1	PAVEMENT MARKING PLANS
EC-1 THRU EC-6	EROSION CONTROL PLANS
X	CROSS-SECTION INDEX
X-A	CROSS-SECTION SUMMARY
X-1 THRU X-7	CROSS-SECTIONS

12/05/11

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EP
Property Corner	----->
Property Monument	□ ECM
Parcel/Sequence Number	⑫③
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	----- MLB
Proposed Wetland Boundary	----- MLB
Existing Endangered Animal Boundary	----- EAB
Existing Endangered Plant Boundary	----- EPB
Known Soil Contamination: Area or Site	☠ ☠
Potential Soil Contamination: Area or Site	?? ??

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○ S
Well	○ W
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	□ †
Building	□
School	□
Church	□
Dam	□

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	□
Jurisdictional Stream	----- JS
Buffer Zone 1	----- BZ 1
Buffer Zone 2	----- BZ 2
Flow Arrow	←
Disappearing Stream	-----
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	-----

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○ CSX TRANSPORTATION MILEPOST 35
Switch	□ SWITCH
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	----- RW
Proposed Right of Way Line with Iron Pin and Cap Marker	----- RW ▲
Proposed Right of Way Line with Concrete or Granite RW Marker	----- RW ●
Proposed Control of Access Line with Concrete CA Marker	----- CA
Existing Control of Access	----- CA
Proposed Control of Access	----- CA
Existing Easement Line	----- E
Proposed Temporary Construction Easement	----- E
Proposed Temporary Drainage Easement	----- TDE
Proposed Permanent Drainage Easement	----- PDE
Proposed Permanent Drainage / Utility Easement	----- DUE
Proposed Permanent Utility Easement	----- PUE
Proposed Temporary Utility Easement	----- TUE
Proposed Aerial Utility Easement	----- AUE
Proposed Permanent Easement with Iron Pin and Cap Marker	----- ◆

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	----- C
Proposed Slope Stakes Fill	----- F
Proposed Curb Ramp	----- CR
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----

VEGETATION:

Single Tree	☼
Single Shrub	☼
Hedge	-----
Woods Line	-----

Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	----- CONC
Bridge Wing Wall, Head Wall and End Wall	----- CONC WW
MINOR:	
Head and End Wall	----- CONC HW
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	□ CB
Paved Ditch Gutter	-----
Storm Sewer Manhole	○ S
Storm Sewer	----- S

UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊗
Power Transformer	⊗
U/G Power Cable Hand Hole	□
H-Frame Pole	●
Recorded U/G Power Line	----- P
Designated U/G Power Line (S.U.E.*)	----- P

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Booth	□
Telephone Pedestal	⊕
Telephone Cell Tower	⊕
U/G Telephone Cable Hand Hole	□
Recorded U/G Telephone Cable	----- T
Designated U/G Telephone Cable (S.U.E.*)	----- T
Recorded U/G Telephone Conduit	----- TC
Designated U/G Telephone Conduit (S.U.E.*)	----- TC
Recorded U/G Fiber Optics Cable	----- T FO
Designated U/G Fiber Optics Cable (S.U.E.*)	----- T FO

WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
Recorded U/G Water Line	----- W
Designated U/G Water Line (S.U.E.*)	----- W
Above Ground Water Line	----- A/G Water

TV:

TV Satellite Dish	☼
TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	□
Recorded U/G TV Cable	----- TV
Designated U/G TV Cable (S.U.E.*)	----- TV
Recorded U/G Fiber Optic Cable	----- TV FO
Designated U/G Fiber Optic Cable (S.U.E.*)	----- TV FO

GAS:

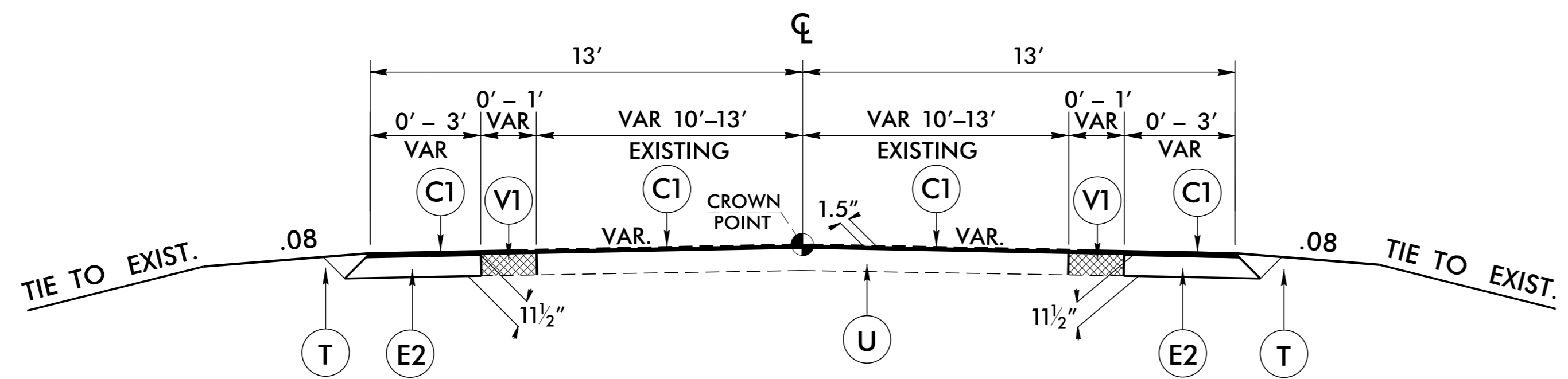
Gas Valve	◇
Gas Meter	⊕
Recorded U/G Gas Line	----- G
Designated U/G Gas Line (S.U.E.*)	----- G
Above Ground Gas Line	----- A/G Gas

SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	----- SS
Above Ground Sanitary Sewer	----- A/G Sanitary Sewer
Recorded SS Forced Main Line	----- FSS
Designated SS Forced Main Line (S.U.E.*)	----- FSS

MISCELLANEOUS:

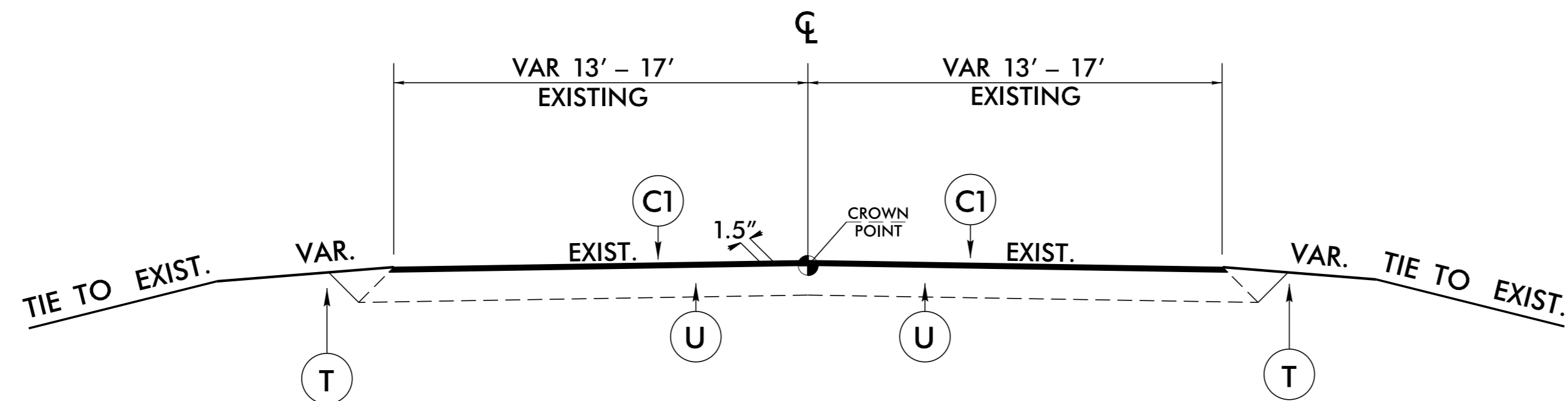
Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line	----- ?U/L
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	⊕
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
U/G Test Hole (S.U.E.*)	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.



TYPICAL SECTION NO. 1

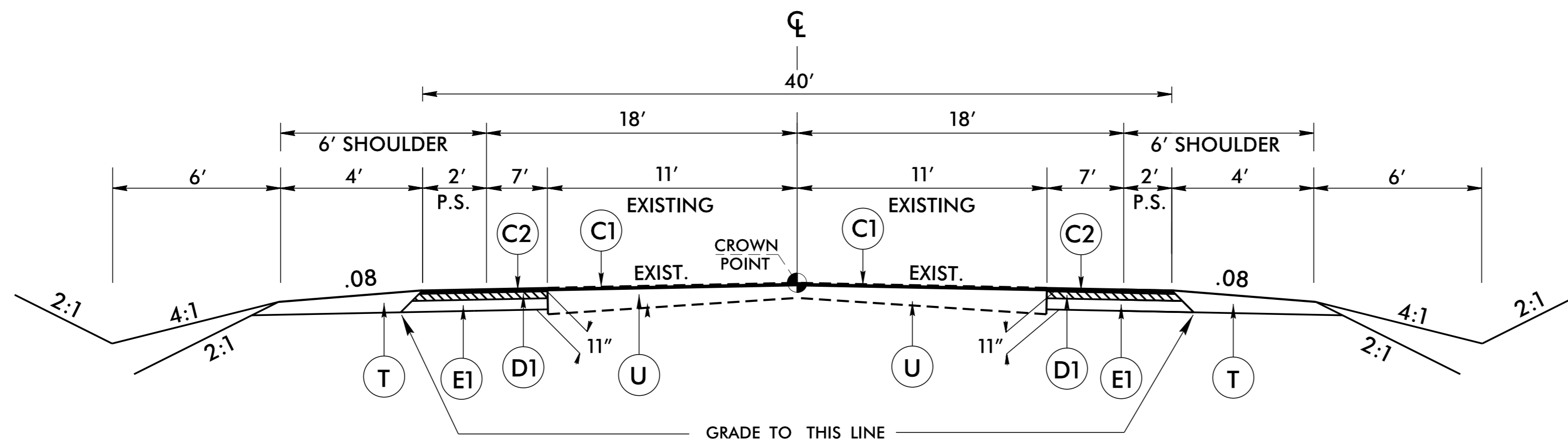
-L- STA. 74+00.00 TO STA. 131+75.00
 -L- STA. 143+56.00 TO STA. 275+00.00
 -L- STA. 285+60.00 TO STA. 302+65.00

NOTE: 74+00 TO 73+50 TIE TO EXISTING



TYPICAL SECTION NO. 2

-L- STA. 131+75.00 TO STA. 143+56.00
 -L- STA. 302+65.00 TO STA. 303+25.00

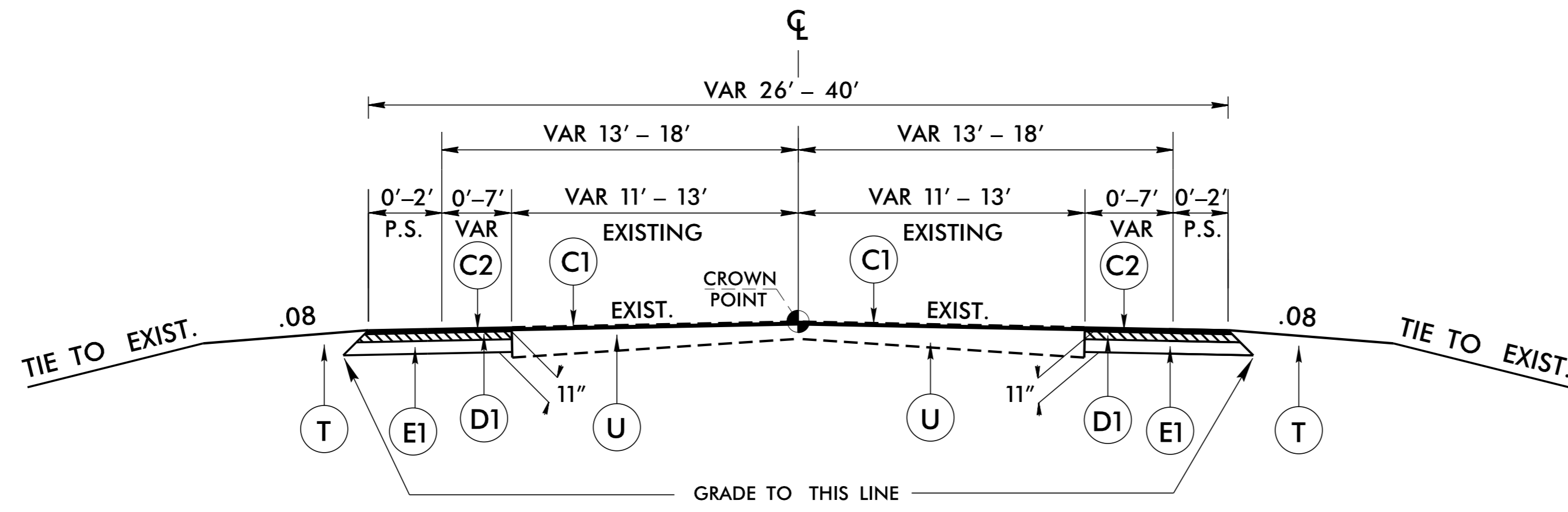


TYPICAL SECTION NO. 3

-L- STA. 278+40.00 TO STA. 282+20.00

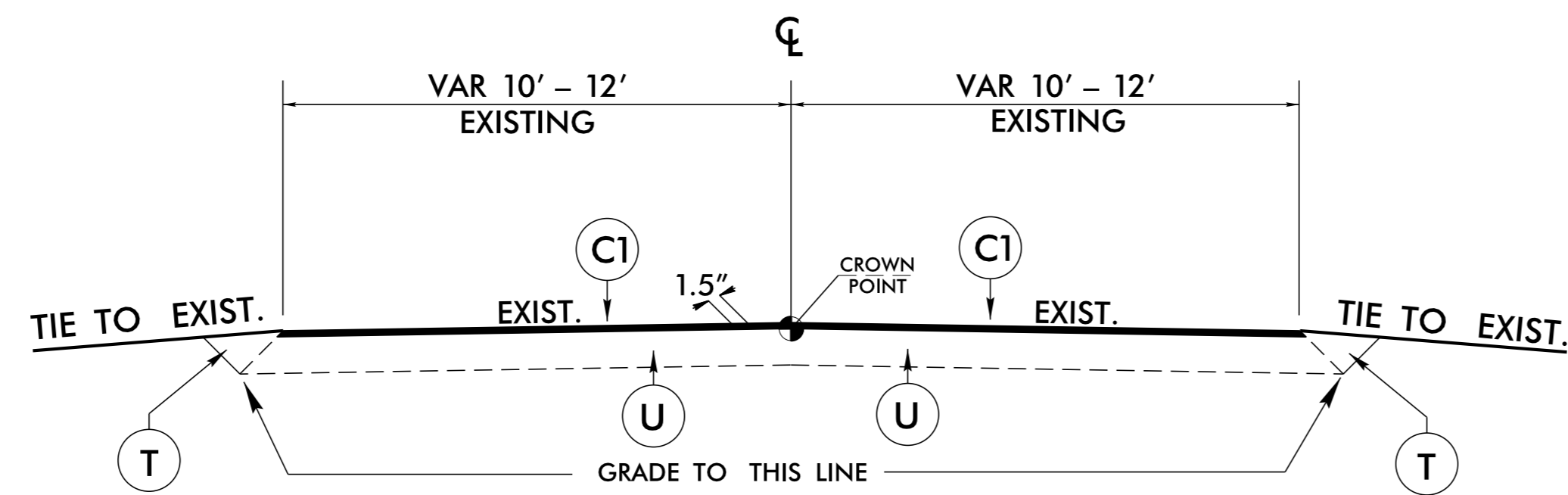
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. (RESURFACING)
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
E2	PROP. APPROX. 10" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
V1	PAVEMENT REMOVAL - 10" MIN. DEPTH. PAID FOR AS PART OF GRADING.
T_	EARTH MATERIAL
U_	EXISTING PAVEMENT

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



TYPICAL SECTION NO. 4

-L- STA. 275+00.00 TO STA. 278+40.00
-L- STA. 282+20.00 TO STA. 285+60.00



TYPICAL SECTION NO. 5

-Y2- STA. 10+17.00 TO STA. 10+65.00 (RESURFACE)
-Y3- STA. 12+87.00 TO STA. 13+18.00 (RESURFACE)
-Y4- STA. 11+25.00 TO STA. 11+67.00 (RESURFACE)
-Y5- STA. 10+14.00 TO STA. 10+60.00 (RESURFACE)
-Y6- STA. 11+40.00 TO STA. 11+89.00 (RESURFACE)
-Y7- STA. 10+19.00 TO STA. 10+65.00 (RESURFACE)
-Y8- STA. 10+85.00 TO STA. 11+82.00 (RESURFACE)

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. (RESURFACING)
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T_	EARTH MATERIAL
U_	EXISTING PAVEMENT

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

COMPUTED BY: DLH DATE: 06/20/2016
 CHECKED BY: DATE:

PROJECT NO. SHEET NO.
 W-5307 3-B

RD248621

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK
 [IN CUBIC YARDS]

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
-L- 275+00.00	281+50.00	2,965	72		2,893
-L- 281+50.00	285+50.00	302	61		241
SUBTOTAL:		3,267	133		3,134
LOSS DUE TO CLEARING & GRUBBING		-102			-102
PROJECT TOTAL:		3,165	133		3,032
SAY:		3,200			
SHOULDER BORROW		280 CY			
EST. DRAINAGE DITCH EXCAVATION		70 CY			

Note: Earthwork quantities are calculated by the Division Design Construct Unit.

Note: Approximate quantities only. Fine Grading, Clearing and Grubbing, Unclassified Excavation, and Shoulder Borrow will be paid for at the contract lump sum price for "Grading."

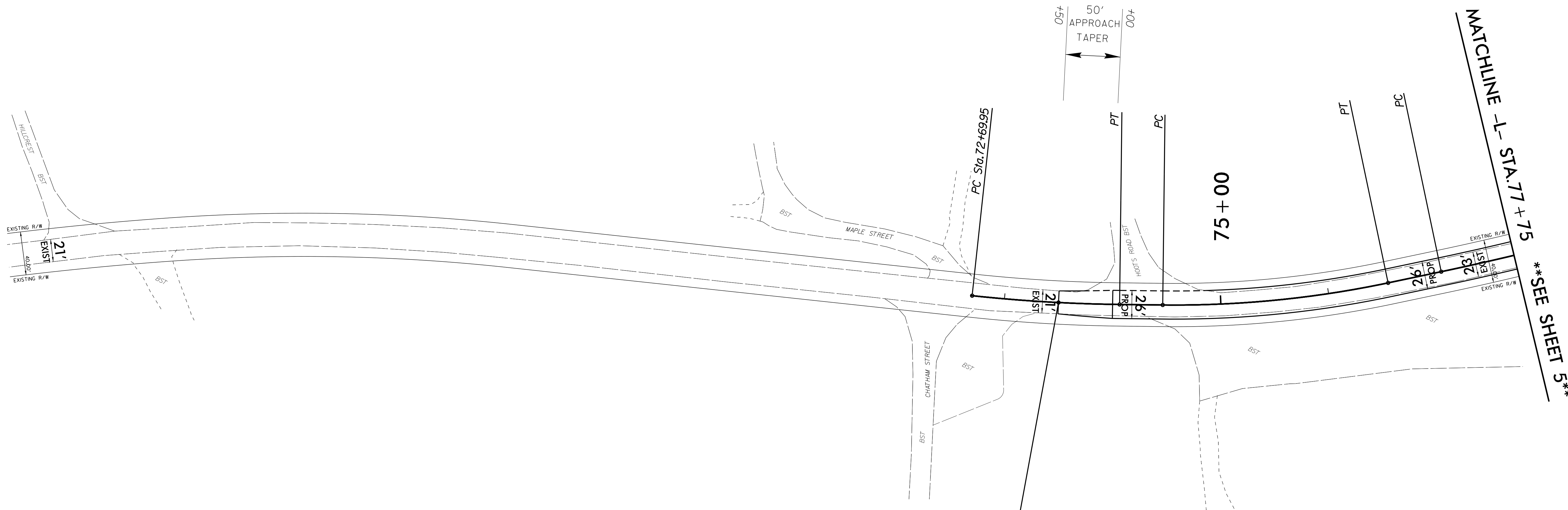
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
110	8	JAMES DOUGLAS JENKINS
1	8	COY JACK POPLIN
2	8, 9	EDWARD AGNEW DIMMETTE & MARY JANE DIMMETTE JENKINS
3	8, 9	SARAH T. WINCHELL & CHARLES NEAL THARPE
4	9	JACKIE GWYN CALL
5	9	THE WILKES COUNTY BOARD OF EDUCATION
6	9, 10	S. L. JOHNSON, ET AL
7	9	EMORY S. LASHMIT
8	9, 10	DENNIS CLYDE, LINDSEY CORY, & DANIELLE NICOLE DIMMETTE
9	10	DUKE POWER COMPANY
10	10	FRED DIMMETTE
11	10	THOMAS L. JAMES
12	10, 11	BOBBY C. DIMMETTE
13	10, 11	MAVERICK GWYN, SAMANTHA P., & MAKAYLA N. DIMMETTE
14	10	HOMER HAGUE
15	10	LINDSEY CORY DIMMETTE
116	13	LOUISE W. SALE
117	13	JEWELL B PRUETT TRUSTEE
118	13	HERBERT & MARY LOU LONGWORTH
119	13	SOUTHEASTERN CARS AND PARTS INC.
120	13	CLARIS & JACKIE HOWELL
121	13	JACKIE FORD HOWELL
122	13	LOUISE W. SALE
123	13	RYAN CHRISTOPHER & REUELLYN P THOMAS
124	13	ELLEN RENEE SALE
125	13	BLAKE & BRITTANY M HOUSEHOLDER
126	13	DONALD M SPARKS
127	13	RANDY E & TERESA V ROBERTS
128	13	JOHNNY LEONARD TRIPLETT
129	13	DAVID RUSSELL & MARILYN D TRIPLETT
130	13	NELLE M SALE
131	13	NELLE M SALE
132	13	DOTTIE WALTERS ROBERTS
133	13, 14	BILLY DAVIS SPARKS
134	14	JOHN JASON REYNOLDS
135	13, 14	DONNA S THOMPSON
136	14	MICHAEL D & CATHERINE B OSBORNE
137	14	ROGER LEROY HUTCHINS
138	14	EVELYN HOLBROOK JOLLY
139	14	VIRGINIA H SPICER
140	14	CALVIN WILLIAM & PAMELA H BOARDMAN
141	14	OID MELVIN KIDD
142	14	ROBERT JAKE & ASHLEY BILLINGS
143	14	CHARLES W JR & JANIS OSBORNE
144	14, 15	WILLIAM C & JUDITH B SALE
145	14	W.E. SALE AND SONS INC
146	14	MYRA S HELMS
147	14	JOHN SANFORD & EVA SUE ROBERTS
148	14, 15	W.E. SALE AND SONS INC
149	15	TROY DEAN POWELL
150	15	REBECCA WINEBARGER
151	15	TROY DEAN POWELL
152	16	WILLIAM LEE JR & RUTH JOHNSON
153	16	JANIE WINEBARGER CHEEK
154	16	LINDA S HOLLEMAN
155	16	NO OWNER LISTED
156	16, 17	SAMMY GLEN POPLIN
157	16, 17, 18	GAYLE M POPLIN
158	17	JUDY STONE & DANNY W JENKINS
159	17	SAMMY GLEN POPLIN

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
160	17	DESSIE R POPLIN
161	17	IDA ELAINE BOLES
162	17	LEET (JL) VANNOY
163	17, 18	ROGER DALE & IRIS YVONNE C JOHNSON
164	17, 18	KYLE (RK) VANNOY
165	17, 18	MAPLE SPRINGS METHODIST CHURCH
166	18	REBECCA WINEBARGER
167	18	KAREN M POPLIN
168	18	JAMIE W CHEEK
169	18	REBECCA WINEBARGER
170	18	FLOSSIE HEMRIC
171	18	CHARLES WAYNE & DANA T PARDUE
172	18	REBECCA WINEBARGER
173	18	JOYCE HOWELL F HAGAMAN
174	18, 19	BILLY JOE & EDNA K HOWELL
175	18, 19	MAGGIE BURCHETTE
176	18, 19	R GLENN & MAGGIE BURCHETTE
177	19	RONALD EDWARD MCBRIDE
178	19	CLIFFORD ROBERTS
179	19	MAPLE SPRINGS BAPTIST CHURCH
180	19	ARTHUR WILLIAM & FRANKIE B ROBERTS
181	19	EDDIE D & EDITH B OSBORNE
182	19	RICKY WILLIAM ROBERTS

NC GRID
NAD 83/NSRS 2007



BEGIN STATE PROJECT W-5503
BEGIN CONSTRUCTION & RESURFACING
-L- POC Sta. 73+50.00

-L-

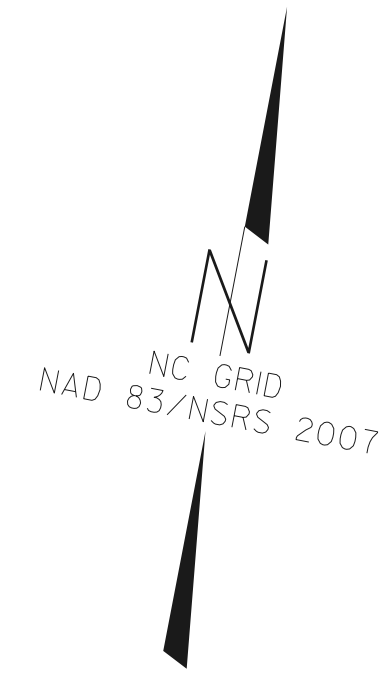
PC Sta 72+69.95	PC Sta 74+46.31	PC Sta 77+06.06
PI Sta 73+38.26	PI Sta 75+51.54	PI Sta 77+69.54
$\Delta = 5^{\circ} 27' 38.2" (LT)$	$\Delta = 12^{\circ} 34' 36.7" (LT)$	$\Delta = 2^{\circ} 51' 20.1" (LT)$
D = 4' 00' 00.0"	D = 6' 00' 00.0"	D = 2' 15' 00.0"
L = 136.52'	L = 209.61'	L = 126.91'
T = 68.31'	T = 105.23'	T = 63.47'
R = 1,432.39'	R = 954.93'	R = 2,546.48'
PT Sta 74+06.47	PT Sta 76+55.92	PT Sta 78+32.98
S 88° 06' 16.8" E	N 79° 19' 06.5" E	

NOTES

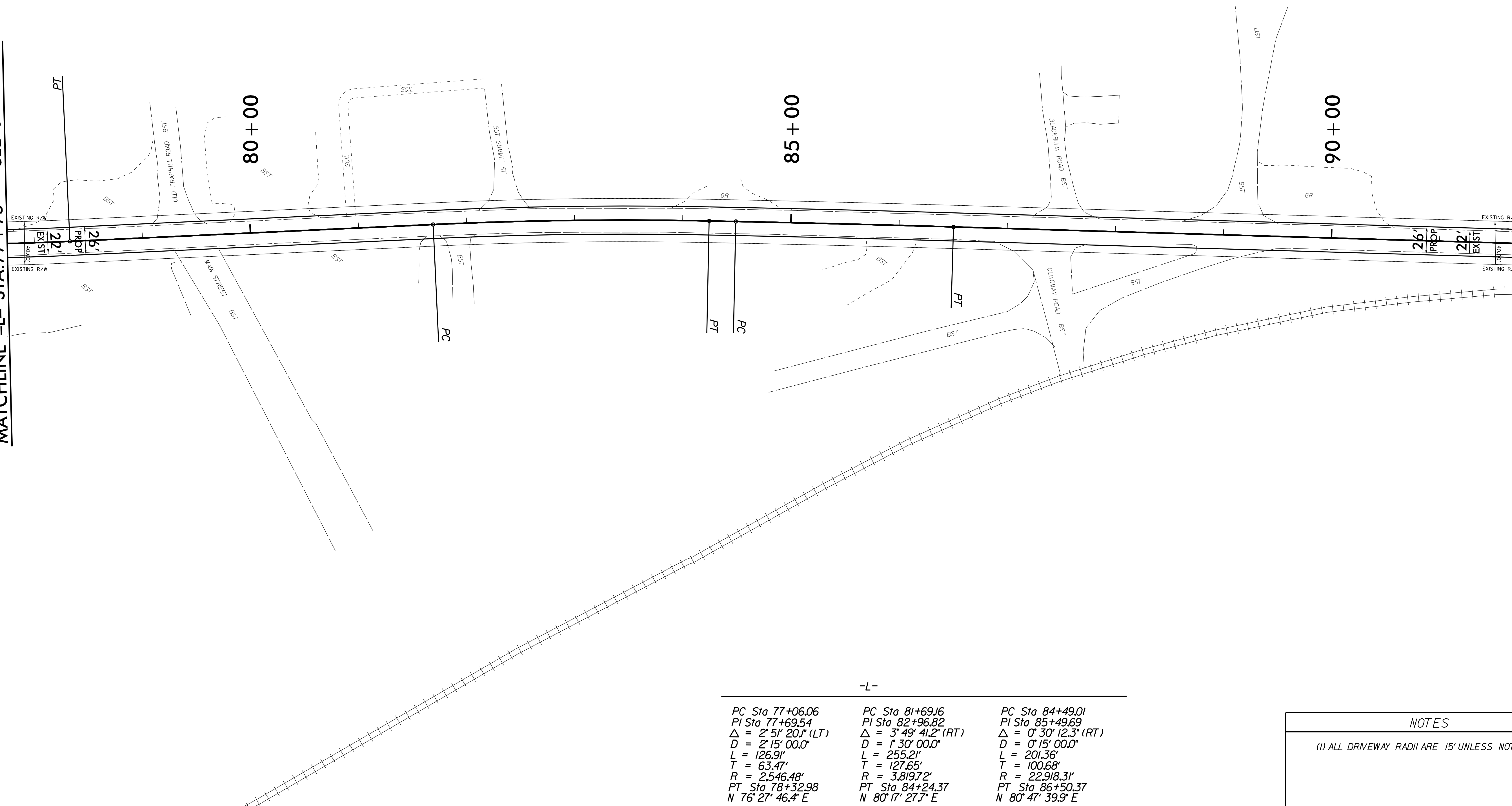
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 8/17/19

PROJECT REFERENCE NO. W-5503	SHEET NO. 5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Joseph L. Laws 9/8/2016 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA.77 + 75 **SEE SHEET 4**



MATCHLINE -L- STA.91 + 75 **SEE SHEET 6**

-L-

PC Sta 77+06.06	PC Sta 81+69.16	PC Sta 84+49.01
PI Sta 77+69.54	PI Sta 82+96.82	PI Sta 85+49.69
$\Delta = 2' 51' 20.1''$ (LT)	$\Delta = 3' 49' 41.2''$ (RT)	$\Delta = 0' 30' 12.3''$ (RT)
D = 2'15' 00.0"	D = 1' 30' 00.0"	D = 0' 15' 00.0"
L = 126.91'	L = 255.21'	L = 201.36'
T = 63.47'	T = 127.65'	T = 100.68'
R = 2546.48'	R = 3,819.72'	R = 22,918.31'
PT Sta 78+32.98	PT Sta 84+24.37	PT Sta 86+50.37
N 76° 27' 46.4" E	N 80° 17' 27.7" E	N 80° 47' 39.9" E

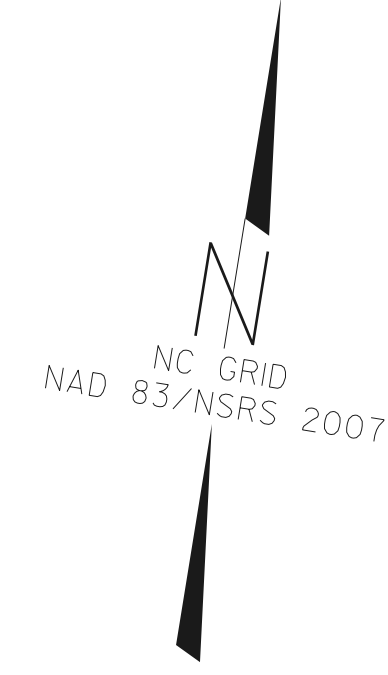
NOTES

(1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

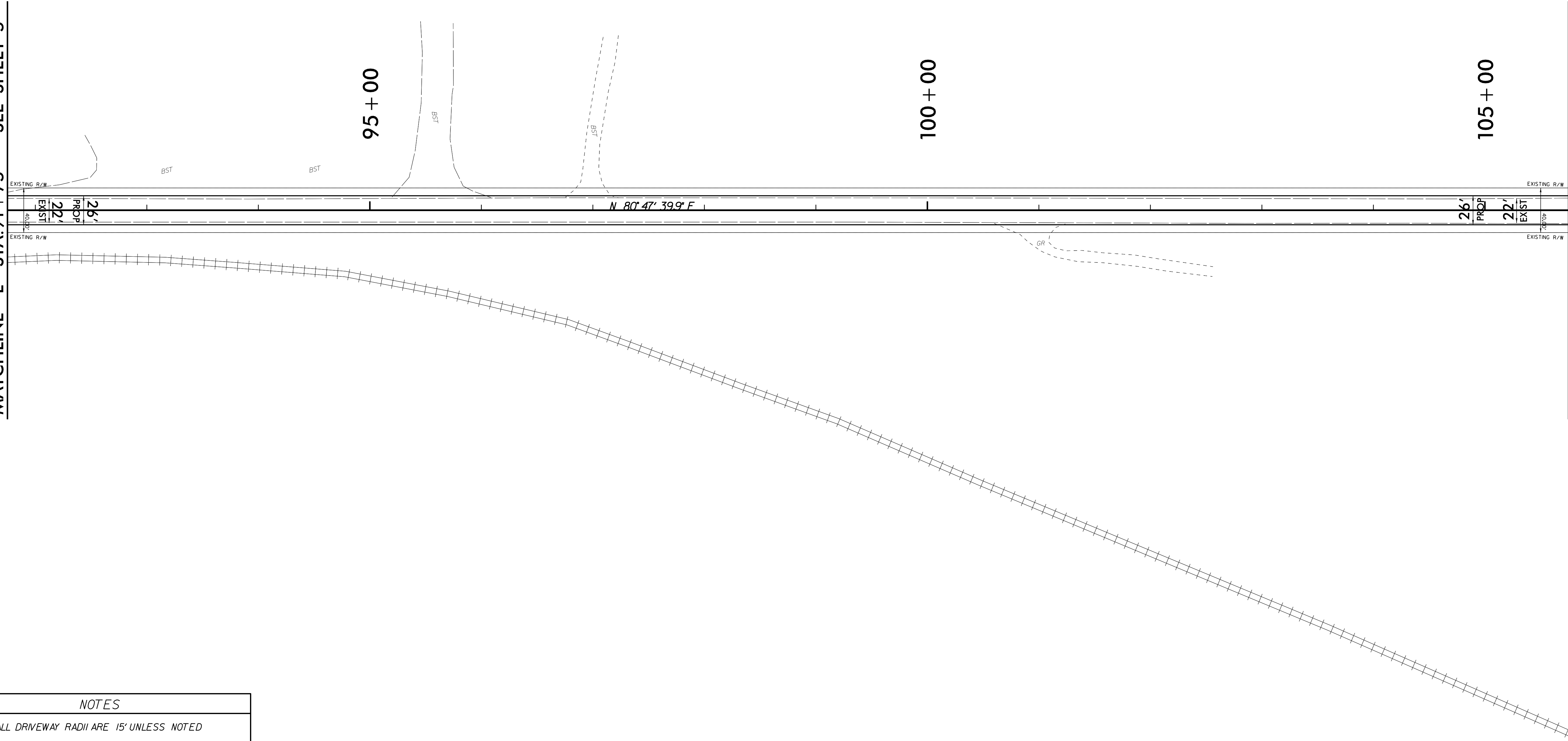
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PROJECT REFERENCE NO. W-5503	SHEET NO. 6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER SEAL 028951 ENGINEER JOSEPH L. LAWS	HYDRAULICS ENGINEER
DocuSigned by: <i>Joseph L. Laws</i> 8/2016	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA.91 + 75 **SEE SHEET 5**

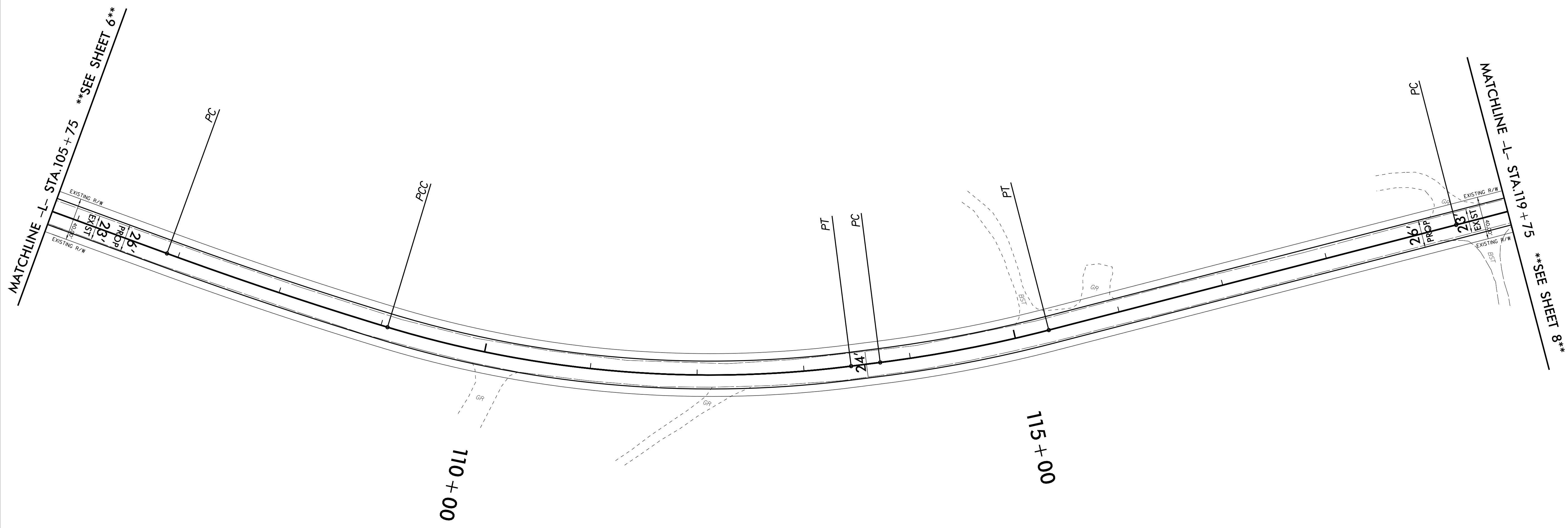


MATCHLINE -L- STA.105 + 75 **SEE SHEET 7**

NOTES

(1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

PROJECT REFERENCE NO. W-5503	SHEET NO. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER JOSEPH L. LAWS PROFESSIONAL SEAL 028951 ENGINEER JOSEPH L. LAWS	HYDRAULICS ENGINEER
DocuSigned by: <i>Joseph L. Laws</i> 8/2016	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



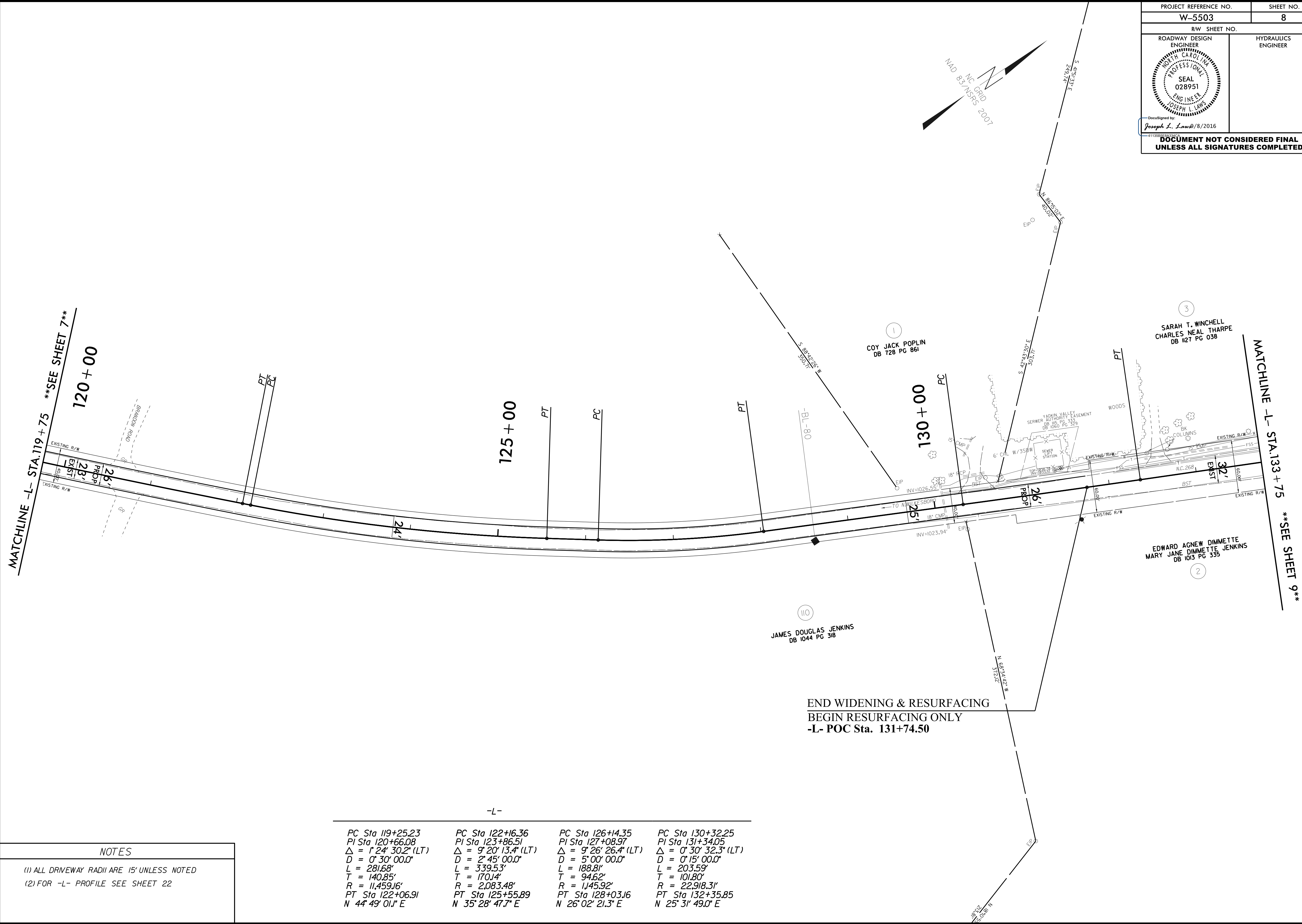
-L-

PC Sta 106+89.09 PI Sta 107+97.76 $\Delta = 3^{\circ}15'32.9"$ (LT) D = 1'30'00.0" L = 217.28' T = 108.67' R = 3,819.72'	PCC Sta 109+06.37 PI Sta 111+28.61 $\Delta = 24^{\circ}05'08.8"$ (LT) D = 5'30'00.0" L = 437.92' T = 222.24' R = 1,041.74' PT Sta 113+44.29 N 53°26'58.2" E	PC Sta 113+71.63 PI Sta 114+52.01 $\Delta = 7^{\circ}13'26.9"$ (LT) D = 4'30'00.0" L = 160.54' T = 80.37' R = 1,273.24' PT Sta 115+32.17 N 46°13'31.3" E	PC Sta 119+25.23 PI Sta 120+66.08 $\Delta = 1^{\circ}24'30.2"$ (LT) D = 0'30'00.0" L = 281.68' T = 140.85' R = 11,459.16' PT Sta 122+06.91
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NOTES

(1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

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NOTES

(1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

(2) FOR -L- PROFILE SEE SHEET 22

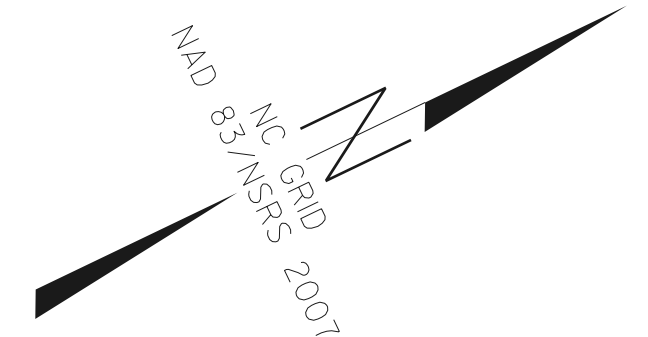
-L-

PC Sta 119+25.23 PI Sta 120+66.08 Δ = 1° 24' 30.2" (LT) D = 0° 30' 00.0" L = 281.68' T = 140.85' R = 11,459.16' PT Sta 122+06.91 N 44° 49' 01.1" E	PC Sta 122+16.36 PI Sta 123+86.51 Δ = 9° 20' 13.4" (LT) D = 2° 45' 00.0" L = 339.53' T = 170.14' R = 2,083.48' PT Sta 125+55.89 N 35° 28' 47.7" E	PC Sta 126+14.35 PI Sta 127+08.97 Δ = 9° 26' 26.4" (LT) D = 5° 00' 00.0" L = 188.81' T = 94.62' R = 1,145.92' PT Sta 128+03.16 N 26° 02' 21.3" E	PC Sta 130+32.25 PI Sta 131+34.05 Δ = 0° 30' 32.3" (LT) D = 0° 15' 00.0" L = 203.59' T = 101.80' R = 22,918.31' PT Sta 132+35.85 N 25° 31' 49.0" E
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**END WIDENING & RESURFACING
BEGIN RESURFACING ONLY
-L- POC Sta. 131+74.50**

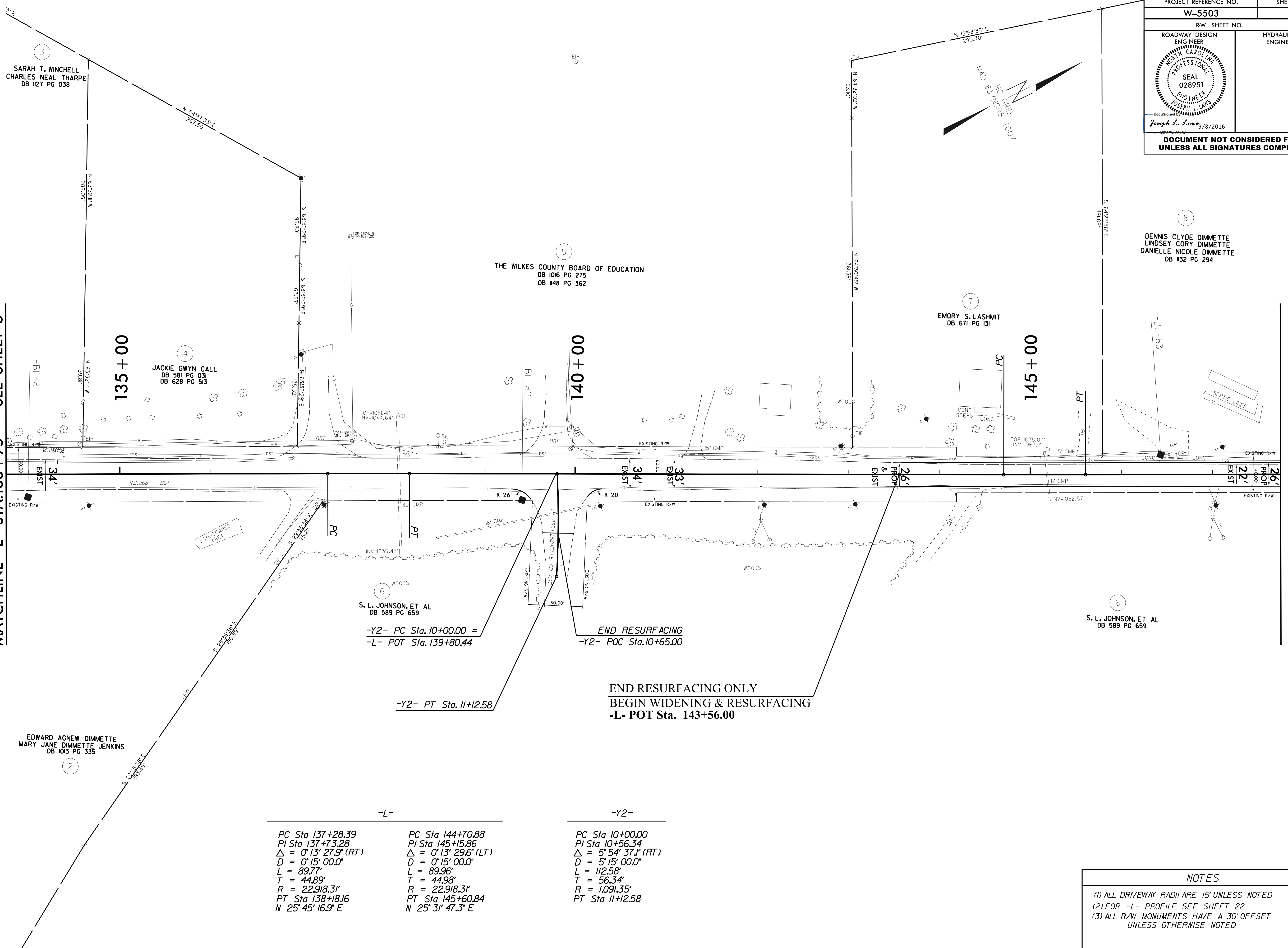
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 8/17/99

8
DENNIS CLYDE DIMMETTE
LINDSEY CORY DIMMETTE
DANIELLE NICOLE DIMMETTE
DB 132 PG 294



MATCHLINE -L- STA.133+75 **SEE SHEET 8**

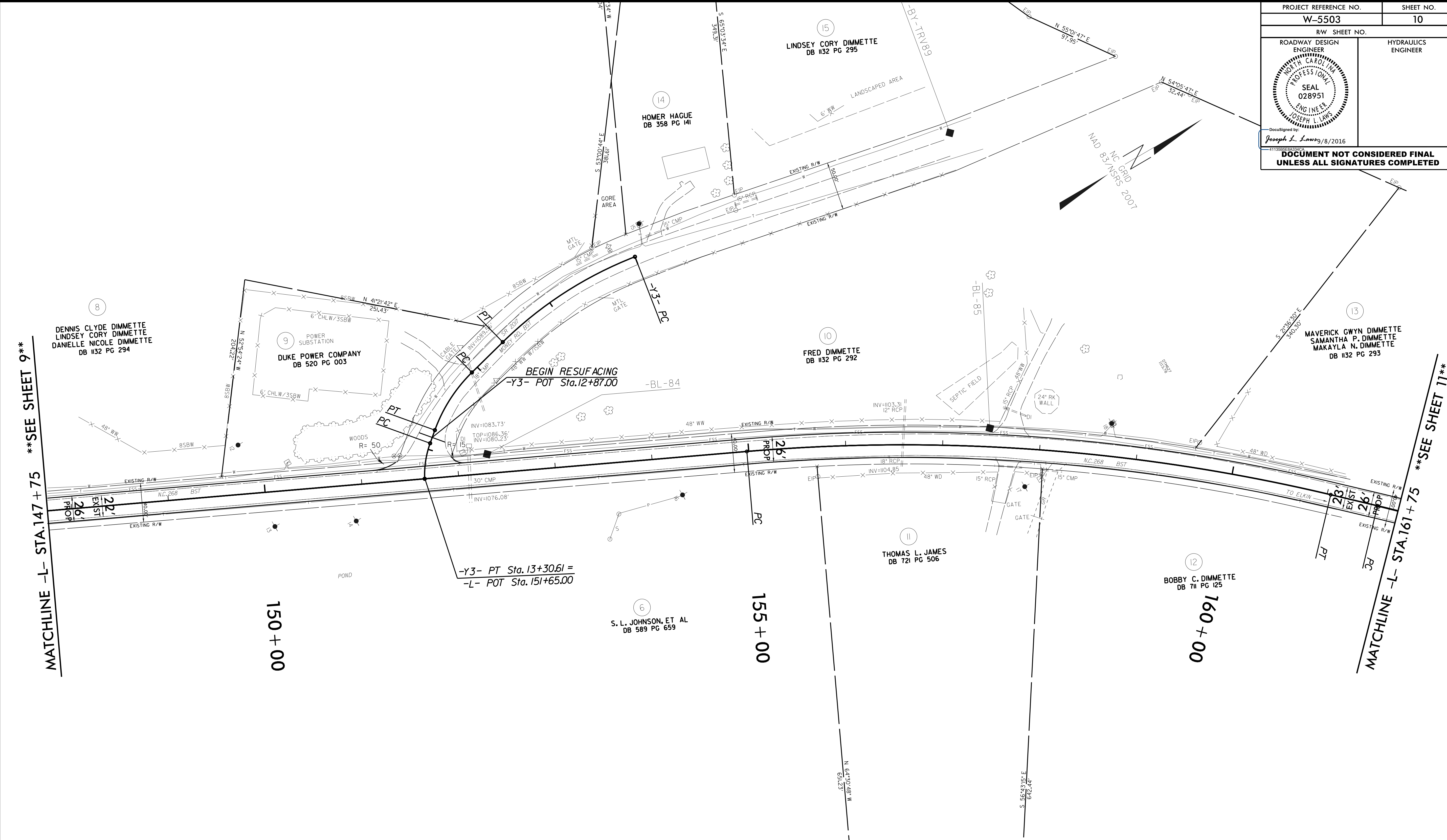
MATCHLINE -L- STA.147+75 **SEE SHEET 10**



-L-	-Y2-
PC Sta 137+28.39	PC Sta 144+70.88
PI Sta 137+73.28	PI Sta 145+15.86
$\Delta = 0^\circ 13' 27.9''$ (RT)	$\Delta = 0^\circ 13' 29.6''$ (LT)
$D = 0^\circ 15' 00.0''$	$D = 0^\circ 15' 00.0''$
$L = 89.77'$	$L = 89.96'$
$T = 44.89'$	$T = 44.98'$
$R = 22,918.31'$	$R = 22,918.31'$
PT Sta 138+18.16	PT Sta 145+60.84
$N 25^\circ 45' 16.9'' E$	$N 25^\circ 31' 47.3'' E$
PC Sta 10+00.00	PC Sta 10+56.34
PI Sta 10+56.34	PI Sta 10+56.34
$\Delta = 5^\circ 54' 37.1''$ (RT)	$\Delta = 5^\circ 54' 37.1''$ (RT)
$D = 5^\circ 15' 00.0''$	$D = 5^\circ 15' 00.0''$
$L = 112.58'$	$L = 112.58'$
$T = 56.34'$	$T = 56.34'$
$R = 1,091.35'$	$R = 1,091.35'$
PT Sta 11+12.58	PT Sta 11+12.58

NOTES
 (1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED
 (2) FOR -L- PROFILE SEE SHEET 22
 (3) ALL R/W MONUMENTS HAVE A 30' OFFSET UNLESS OTHERWISE NOTED

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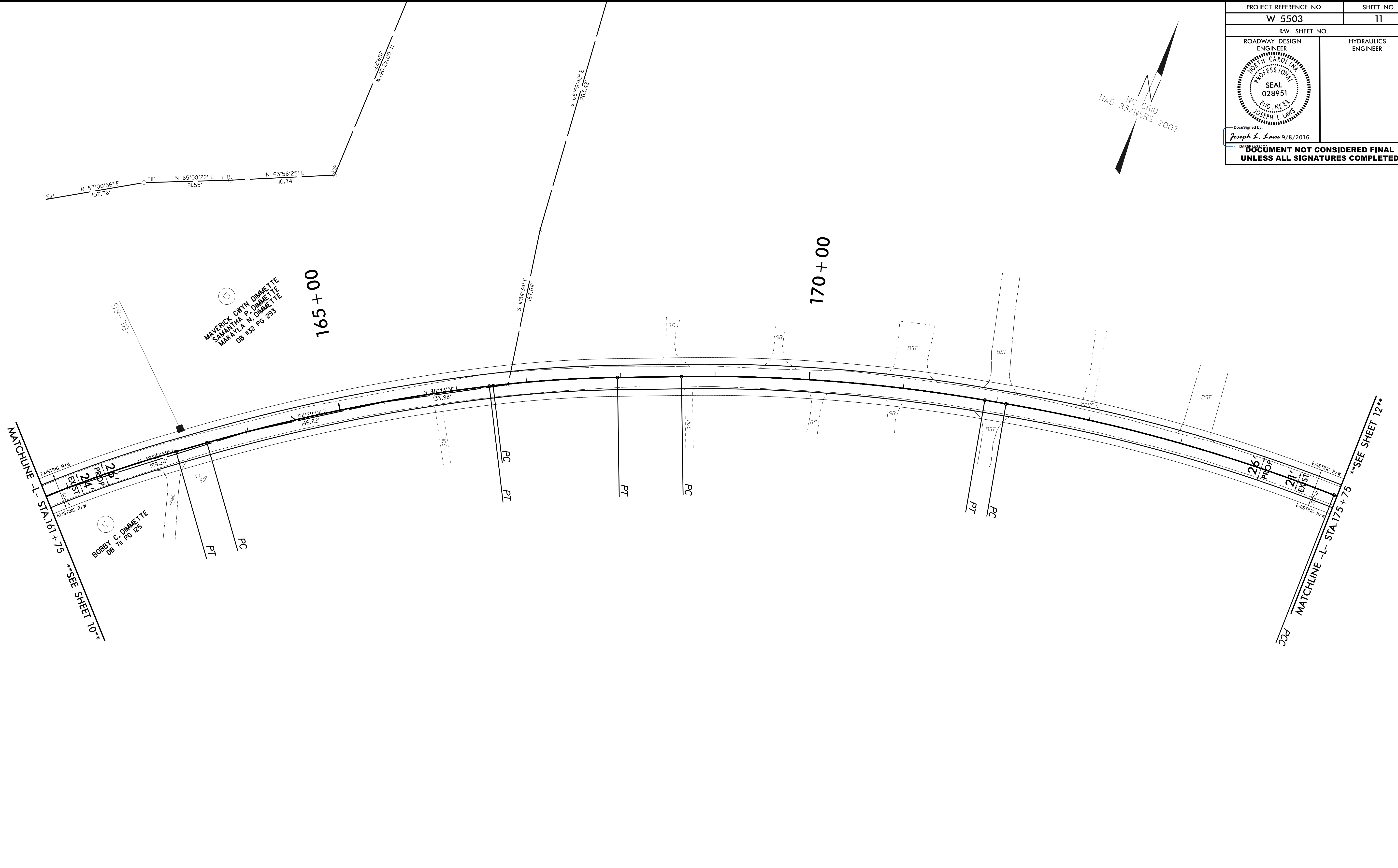
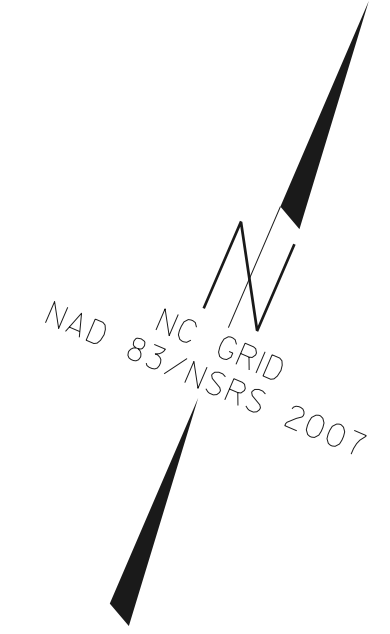


MATCHLINE -L- STA.147+75 **SEE SHEET 9**

MATCHLINE -L- STA.161+75 **SEE SHEET 11**

-Y3-			-L-	
PC Sta 10+00.00	PC Sta 12+07.76	PC Sta 12+93.34	PC Sta 154+98.05	PC Sta 161+53.18
PI Sta 10+82.73	PI Sta 12+43.98	PI Sta 13+12.22	PI Sta 158+03.45	PI Sta 162+37.05
$\Delta = 23^{\circ}15'15.2\" (LT)$	$\Delta = 25^{\circ}38'23.3\" (LT)$	$\Delta = 22^{\circ}21'25.5\" (LT)$	$\Delta = 18^{\circ}10'12.7\" (RT)$	$\Delta = 7^{\circ}07'11.4\" (RT)$
D = 14'15'00.0"	D = 36'00'00.0"	D = 60'00'00.0"	D = 3'00'00.0"	D = 4'15'00.0"
L = 163.19'	L = 71.22'	L = 37.26'	L = 605.67'	L = 167.53'
T = 82.73'	T = 36.22'	T = 18.87'	T = 305.40'	T = 83.87'
R = 402.08'	R = 159.15'	R = 95.49'	R = 1,909.86'	R = 1,348.14'
PT Sta 11+63.19	PT Sta 12+78.98	PT Sta 13+30.61	PT Sta 161+03.72	PT Sta 163+20.70
S 14°05'58.1" E	S 39°44'21.4" E		N 43°42'00.0" E	

NOTES
 (1) TIE ALL PAVED SHOULDERS AT THE END OF THE RADIUS ON -Y- LINES
 (2) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED
 (3) FOR -L- PROFILE SEE SHEETS 22 & 23
 (4) ALL R/W MONUMENTS HAVE A 30' OFFSET UNLESS OTHERWISE NOTED



MAVERICK OWYN DIMMETTE
SAMANTHA P. DIMMETTE
MARIKATIA N. DIMMETTE
DB 1132 PG 293

BOBBY C. DIMMETTE
DB 71 PG 125

-L-

PC Sta 161+53.8	PC Sta 163+54.77	PC Sta 166+64.40	PC Sta 168+64.36	PC Sta 172+10.12
PI Sta 162+37.05	PI Sta 165+07.87	PI Sta 167+30.56	PI Sta 170+26.29	PI Sta 173+91.45
$\Delta = 7^{\circ} 07' 11.4''$ (RT)	$\Delta = 9^{\circ} 09' 57.6''$ (RT)	$\Delta = 5^{\circ} 56' 56.7''$ (RT)	$\Delta = 10^{\circ} 29' 45.8''$ (RT)	$\Delta = 11^{\circ} 44' 43.8''$ (RT)
D = 4' 15' 00.0"	D = 3' 00' 00.0"	D = 4' 30' 00.0"	D = 3' 15' 00.0"	D = 3' 15' 00.0"
L = 167.53'	L = 305.53'	L = 132.20'	L = 322.96'	L = 361.40'
T = 83.87'	T = 153.09'	T = 66.16'	T = 161.93'	T = 181.34'
R = 1,348.14'	R = 1,909.86'	R = 1,273.24'	R = 1,762.95'	R = 1,762.95'
PT Sta 163+20.70	PT Sta 166+60.31	PT Sta 167+96.60	PT Sta 171+87.31	PCC Sta 175+71.52
N 50° 49' 11.4" E	N 59° 59' 09.0" E	N 65° 56' 05.7" E	N 76° 25' 51.5" E	

NOTES

(1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

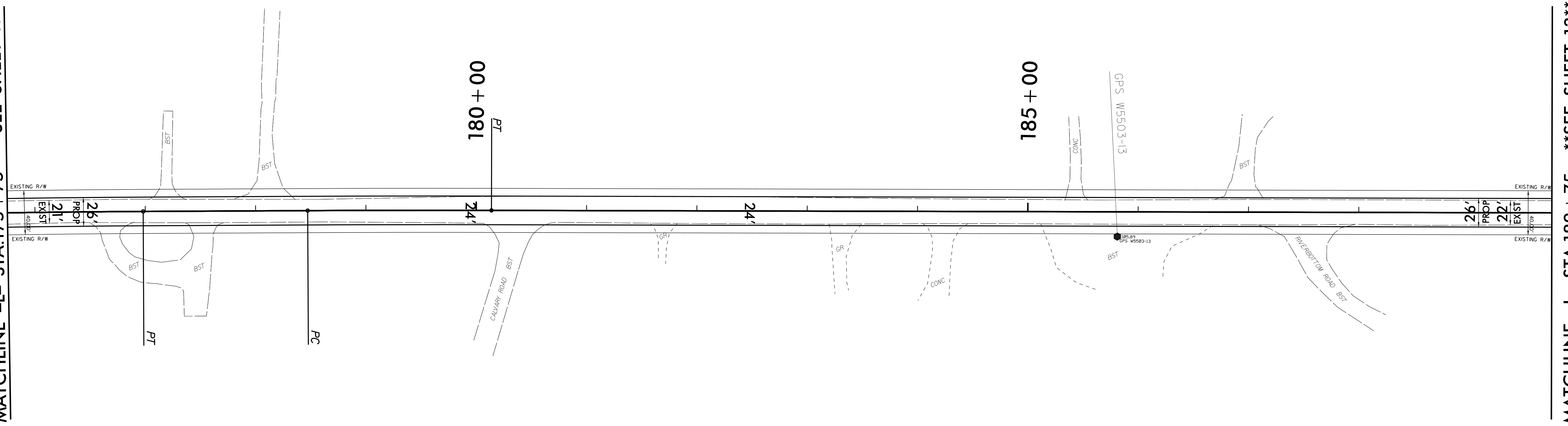
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 8/17/19

PROJECT REFERENCE NO. W-5503	SHEET NO. 12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER SEAL 028951 JOSEPH L. LAWS	HYDRAULICS ENGINEER
Documented by: <i>Joseph L. Laws</i> 9/8/2016 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NC GRID
NAD 83/NSRS 2007



MATCHLINE -L- STA.175 + 75 **SEE SHEET 11**



MATCHLINE -L- STA.189 + 75 **SEE SHEET 13**

-L-

PCC Sta 175+71.52	PC Sta 178+47.22
PI Sta 176+34.81	PI Sta 179+30.51
$\Delta = 0^\circ 37' 58.5''$ (RT)	$\Delta = 0^\circ 24' 59.2''$ (RT)
D = 0' 30' 00.0"	D = 0' 15' 00.0"
L = 126.59'	L = 166.58'
T = 63.29'	T = 83.29'
R = 11,459.16'	R = 22,918.31'
PT Sta 176+98.10	PT Sta 180+13.80
N 88° 48' 33.8" E	N 89° 13' 33.0" E

NOTES

(1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

NC GRID
NAD 83/NSRS 2007



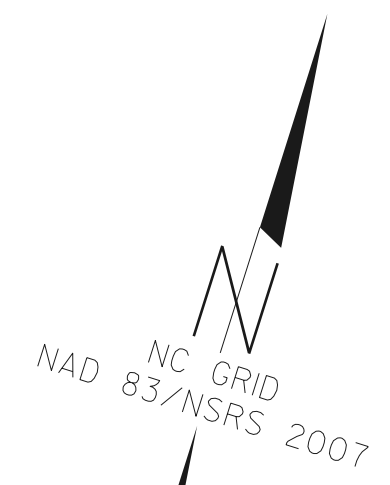
MATCHLINE -L- STA. 189+75 **SEE SHEET 12**

MATCHLINE -L- STA. 203+75 **SEE SHEET 14**

-L-		-Y4-	
PC Sta 190+05.71	PC Sta 193+79.11	POT Sta 10+00.00	
PI Sta 190+92.93	PI Sta 197+28.80	S 2° 27' 21" W	
$\Delta = 0° 26' 10.0" (LT)$	$\Delta = 13° 55' 07.3" (LT)$	POT Sta 11+80.72	
D = 0° 15' 00.0"	D = 2° 00' 00.0"		
L = 174.45'	L = 695.93'		
T = 87.22'	T = 349.69'		
R = 22918.31'	R = 2,864.79'		
PT Sta 191+80.16	PT Sta 200+75.05		
N 88° 47' 23.0" E	N 74° 52' 15.7" E		

-Y4- POT Sta. 11+80.72 =
-L- POC Sta. 198+91.24

NOTES
(1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED
(2) FOR -L- PROFILE SEE SHEET 24

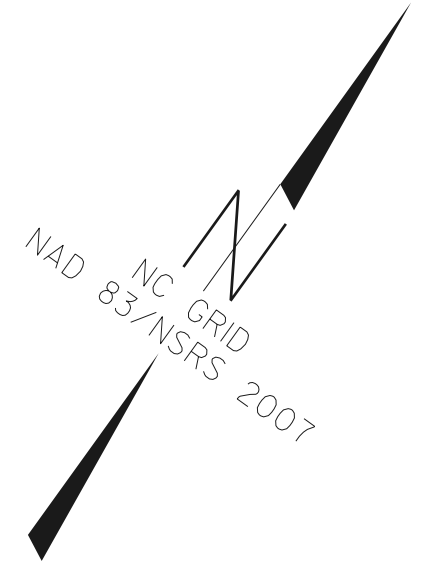


MATCHLINE -L- STA.203 + 75 **SEE SHEET 13**

MATCHLINE -L- STA.217 + 75 **SEE SHEET 15**

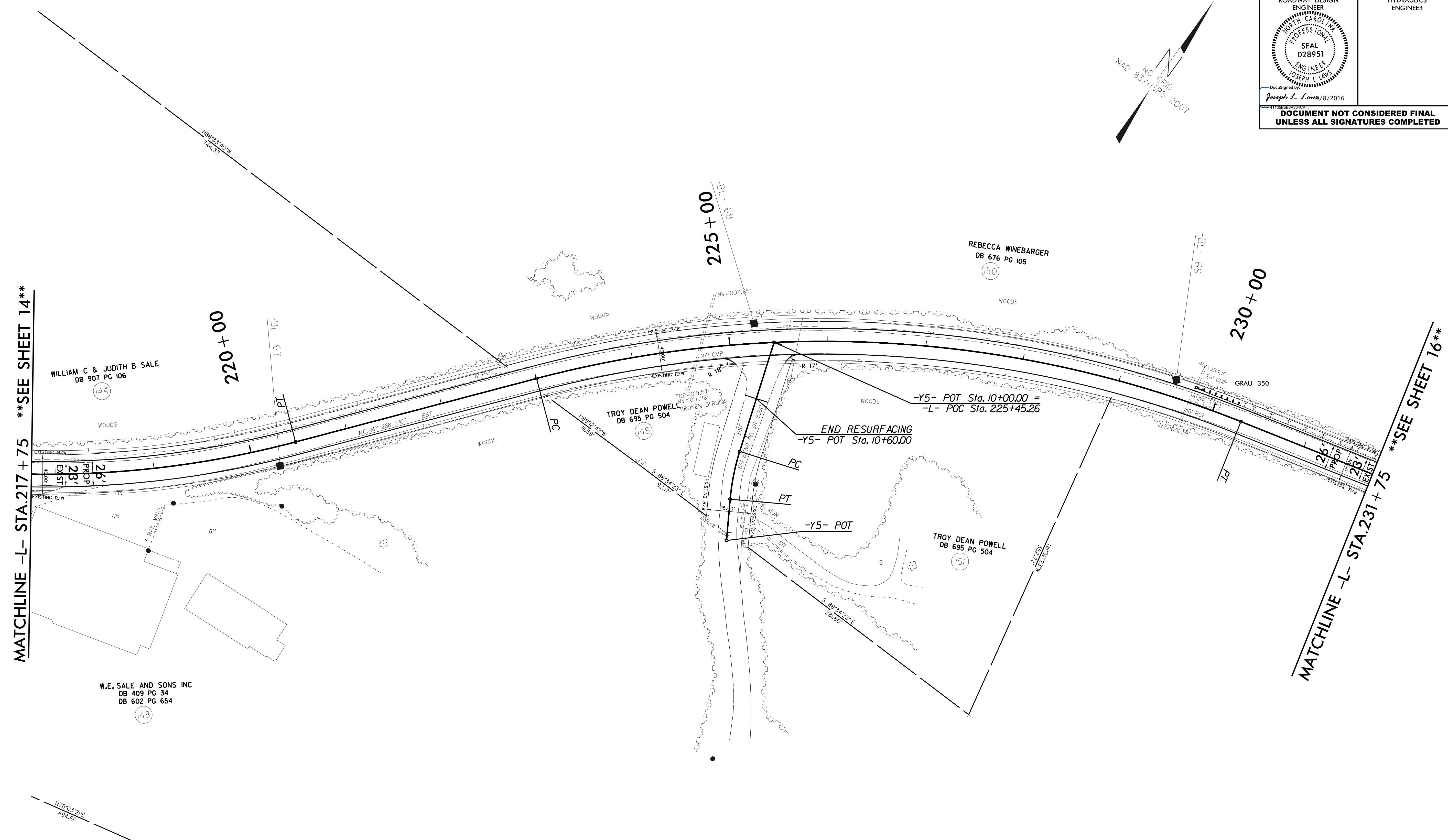
-L-
 PC Sta 214+31.47
 PI Sta 217+49.22
 Δ = 35° 22' 25.5" (LT)
 D = 5' 45" 00.0"
 L = 615.20'
 T = 317.76'
 R = 996.45'
 PT Sta 220+46.66

NOTES
 (1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED
 (2) FOR -L- PROFILE SEE SHEET 24



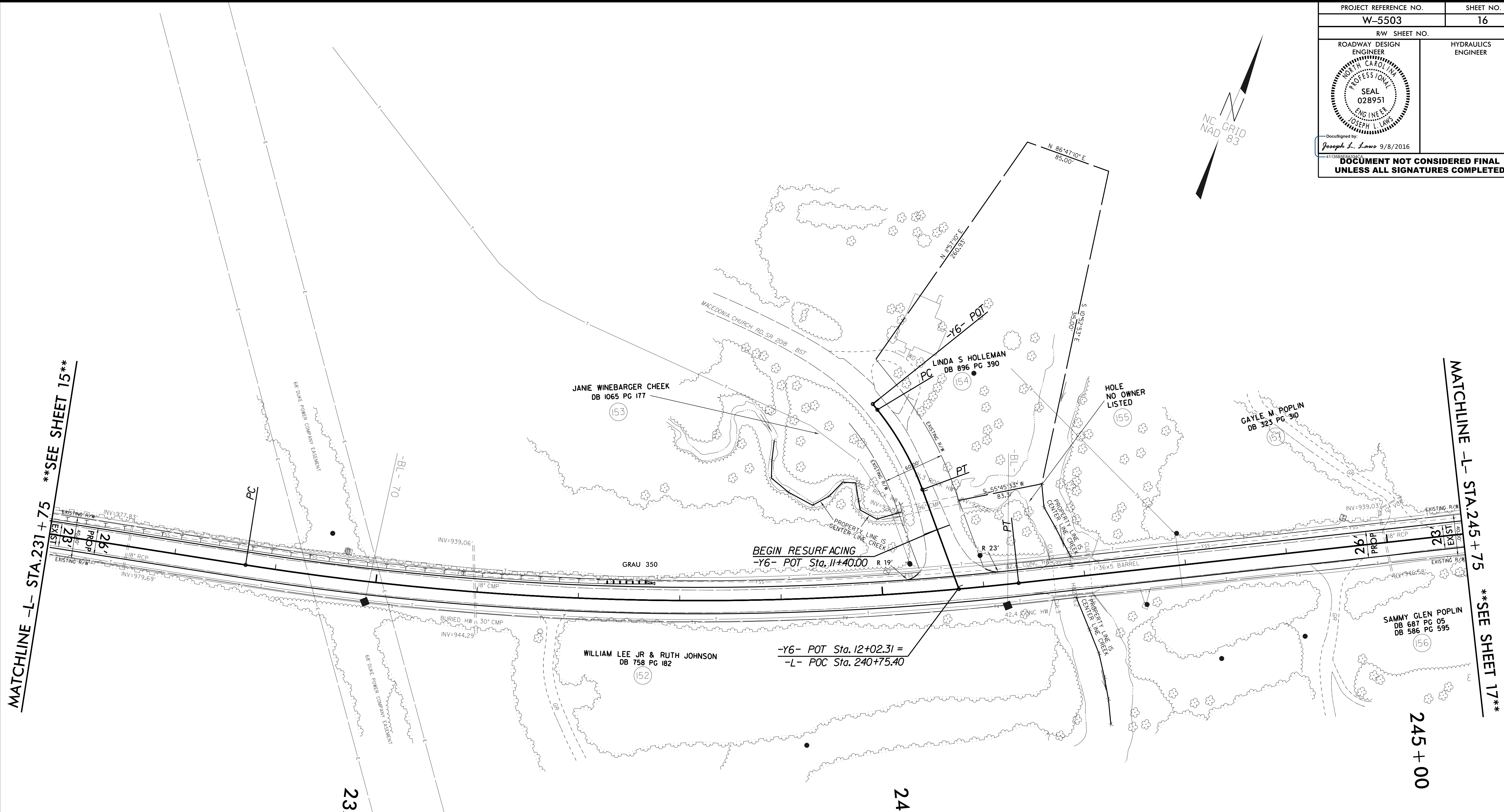
MATCHLINE -L- STA.217 + 75 **SEE SHEET 14**

MATCHLINE -L- STA.231 + 75 **SEE SHEET 16**



-L-		-Y5-	
PC Sta 214+31.47	PC Sta 223+00.30	POT Sta 10+00.00	
PI Sta 217+49.22	PI Sta 226+78.42	S 18° 15' 00.2" E	
Δ = 35° 22' 25.5" (LT)	Δ = 36° 31' 22.6" (RT)	PC Sta 11+16.34	
D = 5° 45' 00.0"	D = 5° 00' 00.0"	PI Sta 11+41.27	
L = 615.20'	L = 730.46'	Δ = 12° 24' 58.1" (LT)	
T = 317.76'	T = 378.12'	D = 25° 00' 00.0"	
R = 996.45'	R = 1,145.92'	L = 49.66'	
PT Sta 220+46.66	PT Sta 230+30.76	T = 249.3'	
N 39° 29' 50.2" E	N 76° 01' 12.7" E	R = 229.18'	
		PT Sta 11+66.00	
		S 30° 39' 58.4" E	
		POT Sta 12+07.88	

NOTES
 (1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED
 (2) FOR -L- PROFILE SEE SHEETS 24 & 25



MATCHLINE -L- STA. 231+75 **SEE SHEET 15**

MATCHLINE -L- STA. 245+75 **SEE SHEET 17**

235 + 00

240 + 00

245 + 00

NOTES

- ALL DRIVEWAY RADII ARE 15' UNLESS NOTED
- FOR -L- PROFILE SEE SHEET 25
- EXISTING BRIDGE LOCATED BETWEEN STATIONS -L- POT 241+67.00 AND 242+10.00

-L-

PC Sta 233+70.49
 PI Sta 237+54.81
 $\Delta = 15^\circ 16' 53.5" (LT)$
 $D = 2^\circ 00' 00.0"$
 $L = 764.08'$
 $T = 384.32'$
 $R = 2,864.79'$
 PT Sta 241+34.57
 $N 60^\circ 44' 19.2" E$

-Y6-

POT Sta 10+00.00
 $S 6^\circ 41' 25.4" E$
 PC Sta 10+07.27
 PI Sta 10+52.99
 $\Delta = 18^\circ 34' 40.9" (RT)$
 $D = 20^\circ 30' 00.0"$
 $L = 90.62'$
 $T = 45.71'$
 $R = 279.49'$
 PT Sta 10+97.90
 $S 43^\circ 06' 44.5" E$
 POT Sta 12+02.31

**CULVERT #8
1 BARREL**

	North	East	Elevation
CUL1	911269.99	1440660.33	921.52
CUL2	911252.14	1440628.37	937.21
HW1	911260.79	1440643.72	934.58
CE1	911260.86	1440644.19	920.39
CUL3	911220.69	1440646.08	920.35
CUL4	911238.18	1440662.13	937.17
HW2	911229.52	1440662.48	934.58
CE2	911230.24		

8/17/99

NOTES

- (1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED
- (2) FOR -L- PROFILE SEE SHEETS 25 & 26

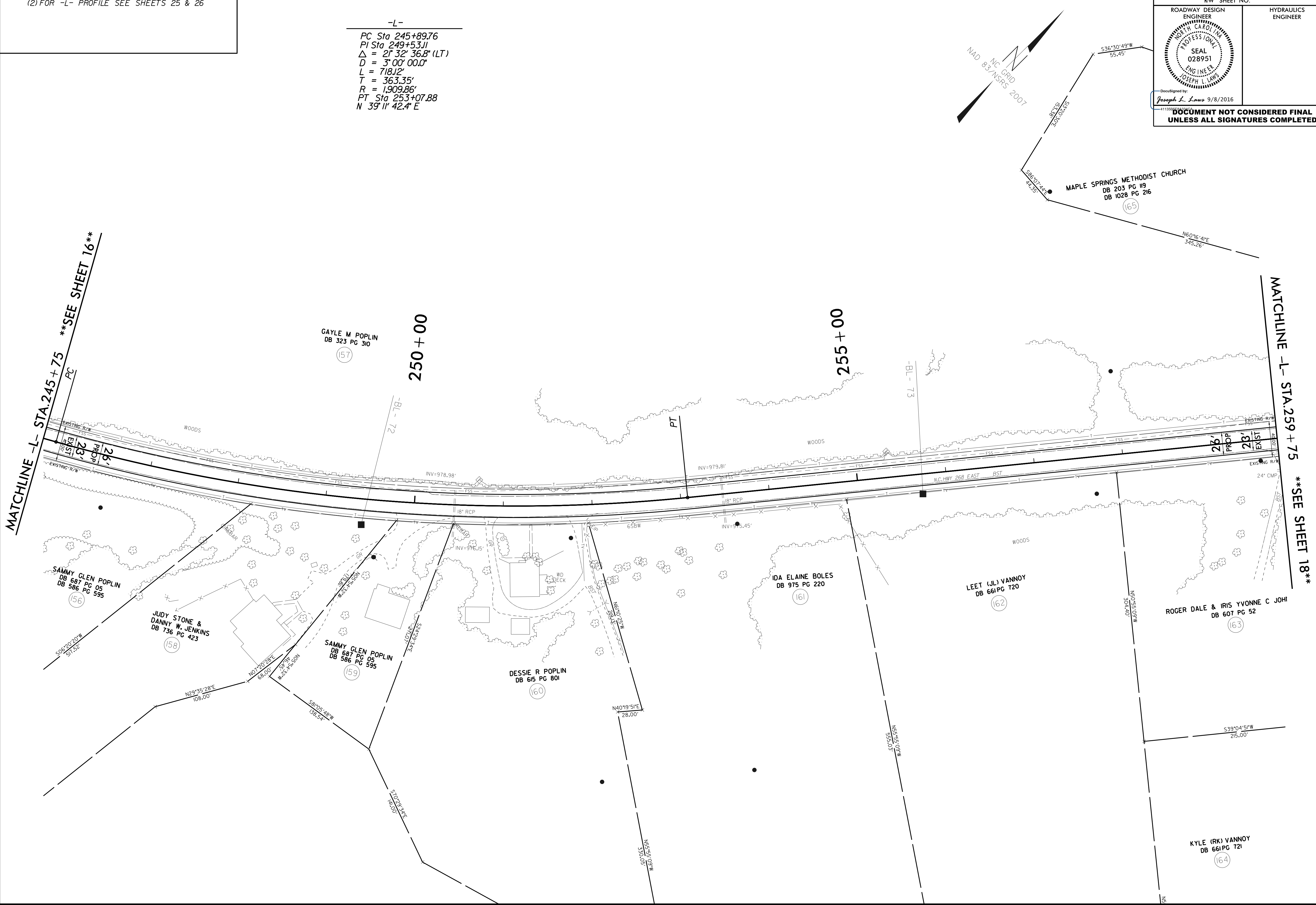
-L-

PC Sta 245+89.76
 PI Sta 249+53.11
 $\Delta = 2^\circ 32' 36.8" (LT)$
 $D = 3^\circ 00' 00.0"$
 $L = 718.12'$
 $T = 363.35'$
 $R = 1,909.86'$
 PT Sta 253+07.88
 $N 39^\circ 11' 42.4" E$

PROJECT REFERENCE NO. W-5503	SHEET NO. 17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER JOSEPH L. LAWS SEAL 028951 ENGINEER JOSEPH L. LAWS	HYDRAULICS ENGINEER
Drawn by: <i>Joseph L. Laws</i> 9/8/2016 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -L- STA. 245 + 75 **SEE SHEET 16**

MATCHLINE -L- STA. 259 + 75 **SEE SHEET 18**

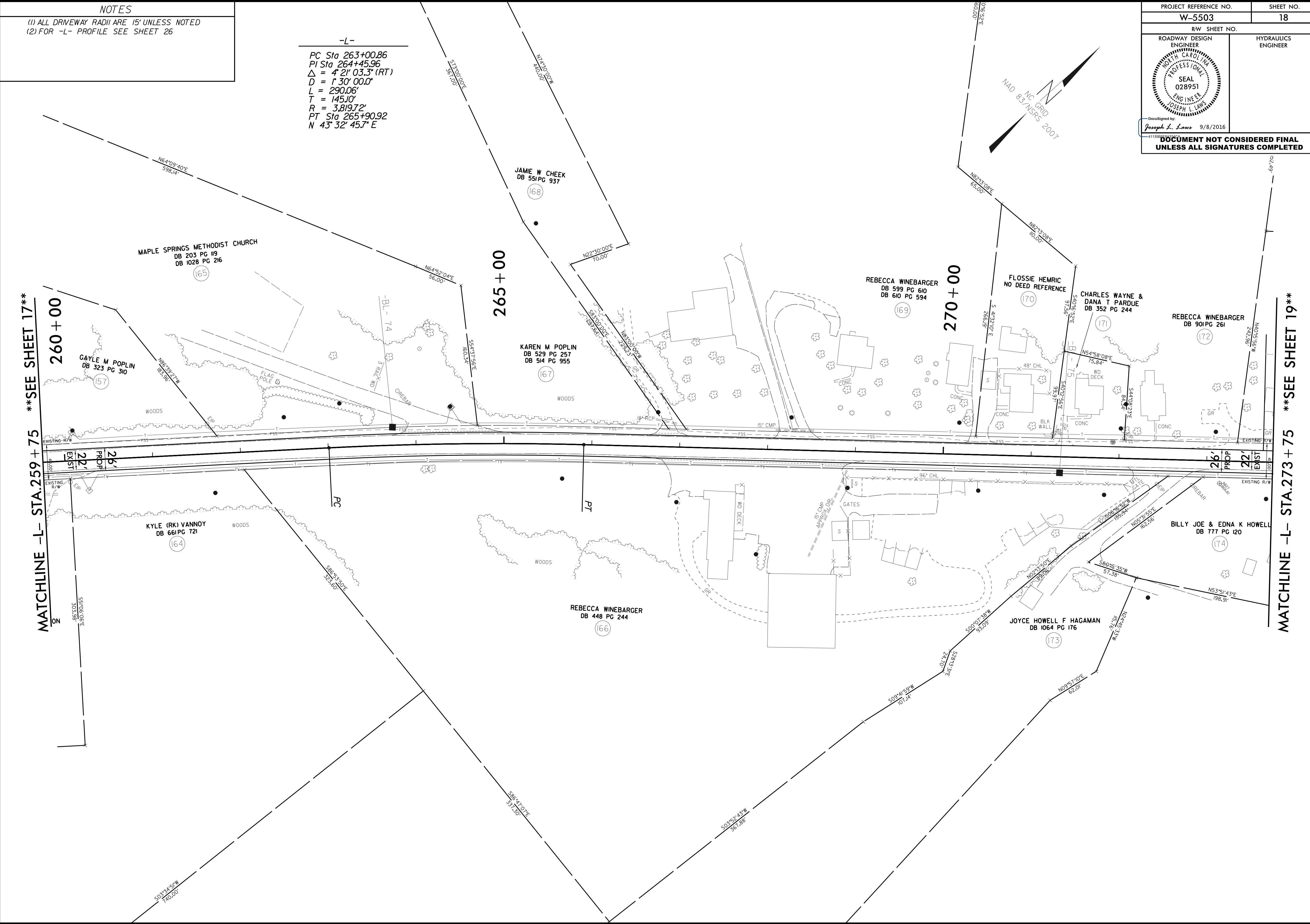
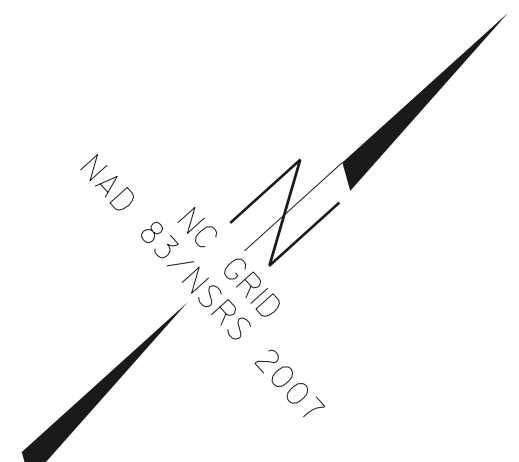


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PROJECT REFERENCE NO.	SHEET NO.
W-5503	18
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Documented by: <i>Joseph L. Laws</i> 9/8/2016	
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NOTES
 (1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED
 (2) FOR -L- PROFILE SEE SHEET 26

-L-
 PC Sta 263+00.86
 PI Sta 264+45.96
 $\Delta = 4' 21' 03.3" (RT)$
 $D = 1' 30' 00.0"$
 $L = 290.06'$
 $T = 145.10'$
 $R = 3,819.72'$
 PT Sta 265+90.92
 $N 43' 32' 45.7" E$

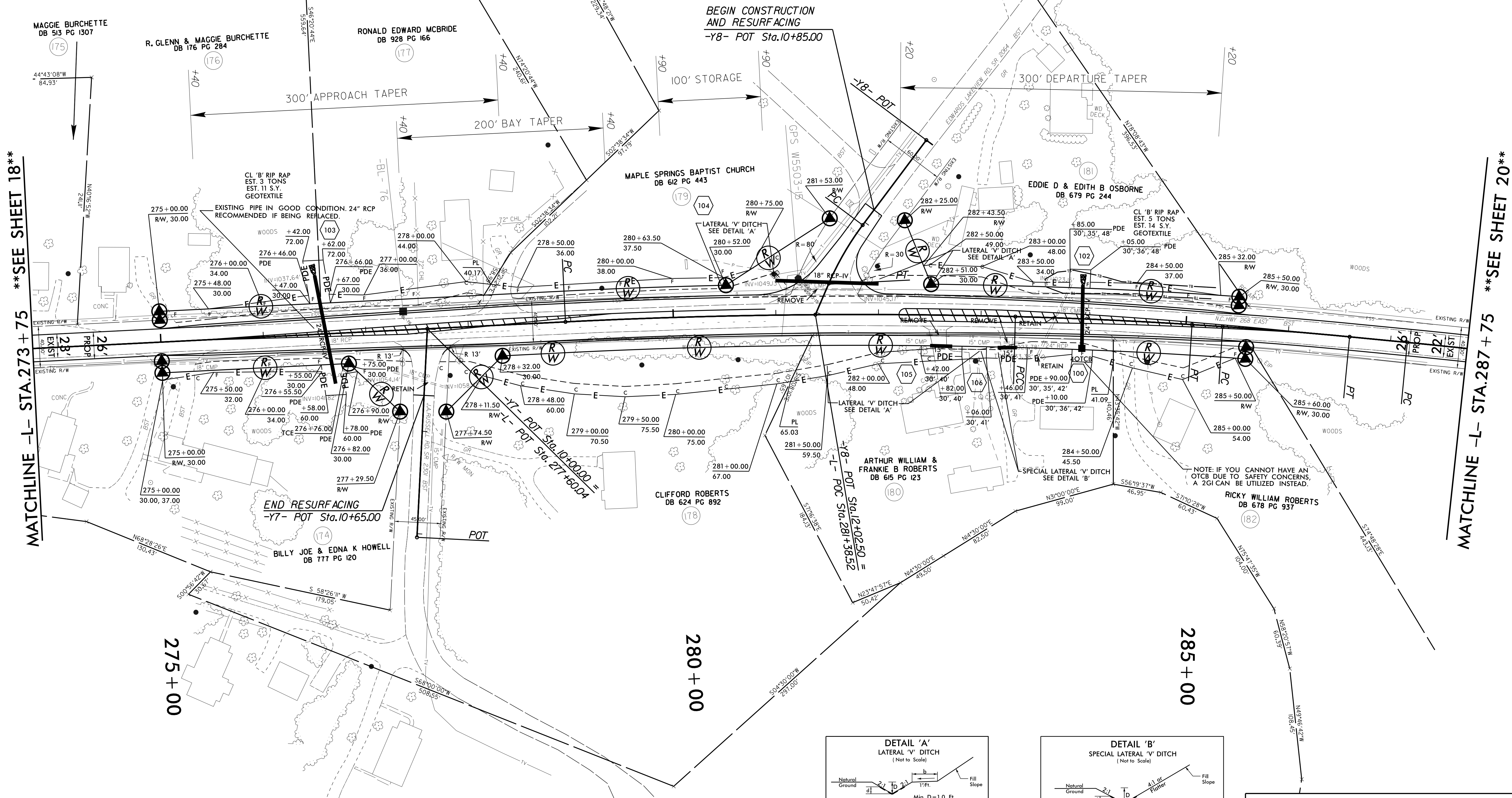
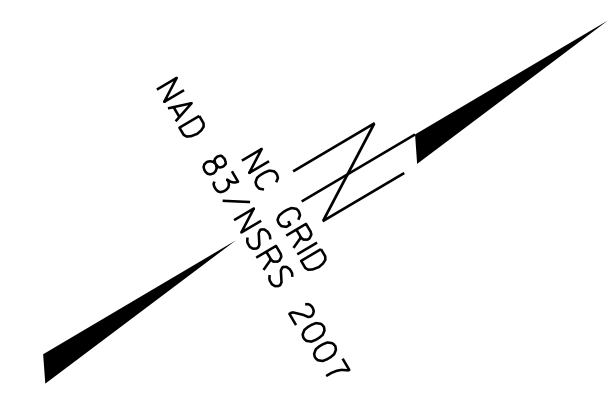


MATCHLINE -L- STA.259+75 **SEE SHEET 17**

MATCHLINE -L- STA.273+75 **SEE SHEET 19**

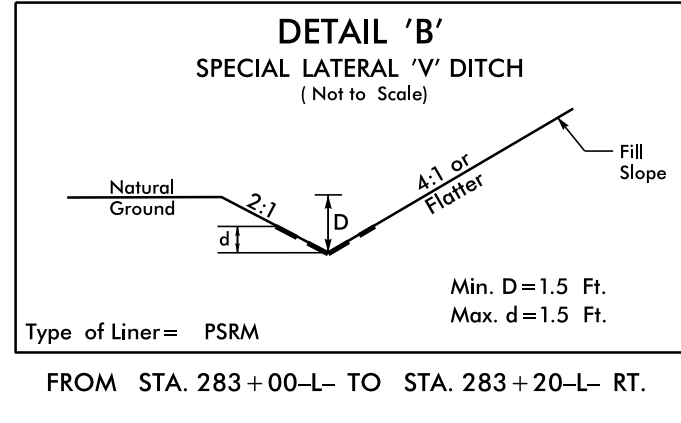
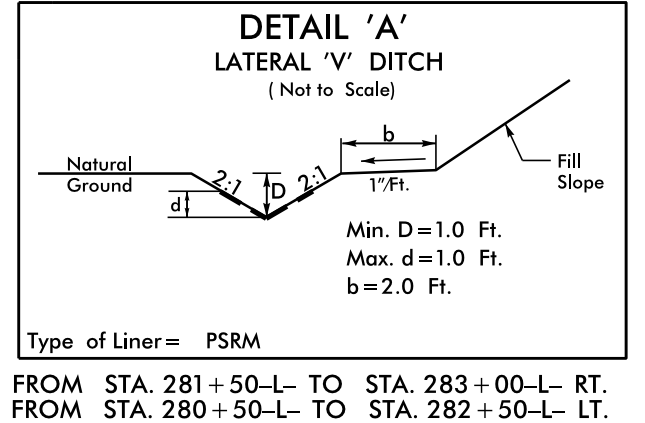
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<p>-Y7-</p> <p>POT Sta 10+00.00 S 40° 44' 08.7" E POT Sta 12+03.46</p>	<p>-Y8-</p> <p>POT Sta 10+00.00 S 6° 44' 59.0" E PC Sta 11+03.47 PI Sta 11+36.59 $\Delta = 13° 31' 09.6"$ (LT) D = 20° 30' 00.0" L = 65.95' T = 33.13' R = 279.49' PT Sta 11+69.41 S 20° 16' 08.6" E POT Sta 12+02.50</p>	<p>-L-</p> <p>PC Sta 278+94.84 PI Sta 281+14.26 $\Delta = 4° 23' 10.4"$ (RT) D = 1° 00' 00.0" L = 438.62' T = 219.42' R = 5,729.58'</p>	<p>PCC Sta 283+33.46 PI Sta 284+19.64 $\Delta = 2° 09' 15.0"$ (RT) D = 1° 15' 00.0" L = 172.33' T = 86.18' R = 4,583.66' PCT Sta 285+05.80 N 50° 05' 11.1" E</p>	<p>PC Sta 285+35.73 PI Sta 285+97.82 $\Delta = 1° 51' 44.5"$ (RT) D = 1° 30' 00.0" L = 124.16' T = 62.08' R = 3,819.72' PT Sta 286+59.89 N 51° 56' 55.6" E</p>	<p>PC Sta 287+16.37 PI Sta 290+44.46 $\Delta = 6° 33' 16.7"$ (RT) D = 1° 00' 00.0" L = 655.46' T = 328.09' R = 5,729.58' PT Sta 293+71.83 N 58° 30' 12.3" E</p>
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MATCHLINE -L- STA.273+75 **SEE SHEET 18**

MATCHLINE -L- STA.287+75 **SEE SHEET 20**

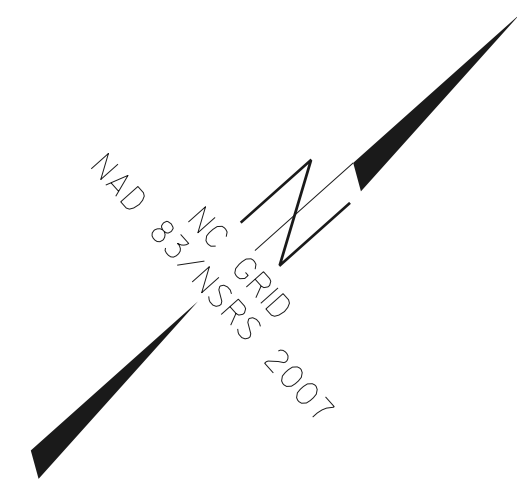


- NOTES**
- (1) TIE ALL PAVED SHOULDERS AT THE END OF THE RADII ON -Y- LINES
 - (2) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED
 - (3) FOR -L- PROFILE SEE SHEETS 26 & 27
 - (4) FOR -Y8- PROFILE SEE SHEET 28
 - (5) ALL R/W MONUMENTS HAVE A 30' OFFSET UNLESS OTHERWISE NOTED

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PROJECT REFERENCE NO.	SHEET NO.
W-5503	20
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Documented by: <i>Joseph L. Laws</i> 9/8/2016	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

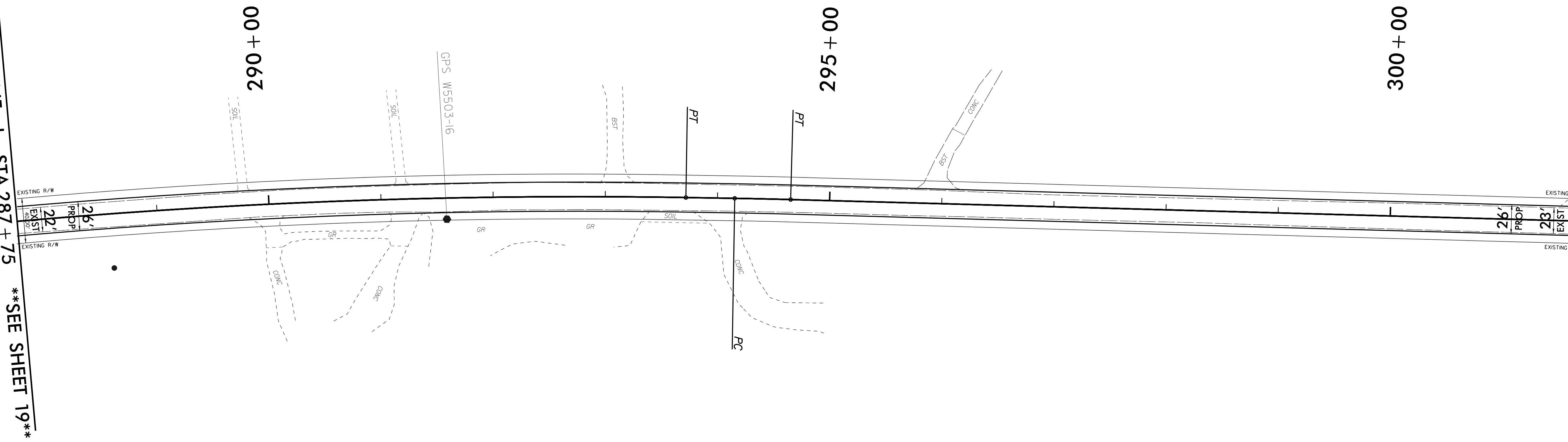


-L-

PC Sta 287+16.37	PC Sta 294+15.37
PI Sta 290+44.46	PI Sta 294+40.31
$\Delta = 6^{\circ} 33' 16.7''$ (RT)	$\Delta = 0^{\circ} 37' 24.4''$ (RT)
D = 1'00'00.0"	D = 1'15'00.0"
L = 655.46'	L = 49.88'
T = 328.09'	T = 24.94'
R = 5,729.58'	R = 4,583.66'
PT Sta 293+71.83	PT Sta 294+65.24
N 58° 30' 12.3" E	N 59° 07' 36.8" E

MATCHLINE -L- STA.287 + 75 **SEE SHEET 19**

MATCHLINE -L- STA.301 + 75 **SEE SHEET 21**



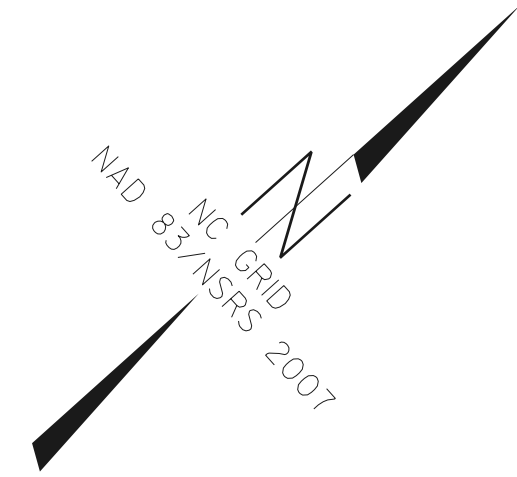
NOTES
(1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

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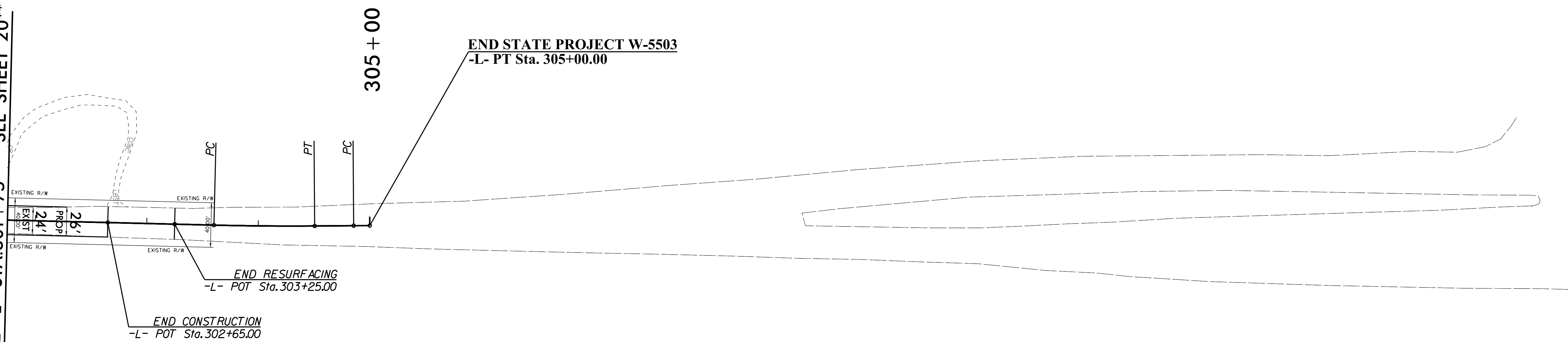
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PROJECT REFERENCE NO. W-5503	SHEET NO. 21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER SEAL 028951 PROFESSIONAL ENGINEER JOSEPH L. LAWS	HYDRAULICS ENGINEER
DocuSigned by: <i>Joseph L. Laws</i> 8/2016	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE -L- STA.301 + 75 **SEE SHEET 20**

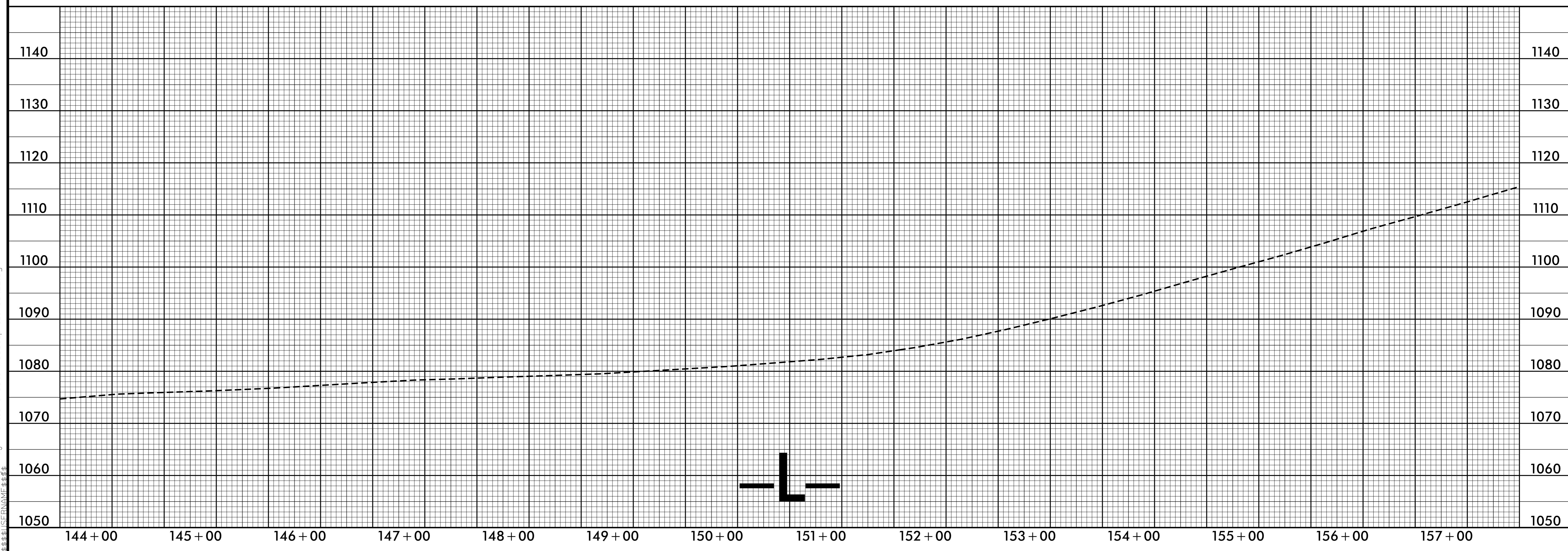
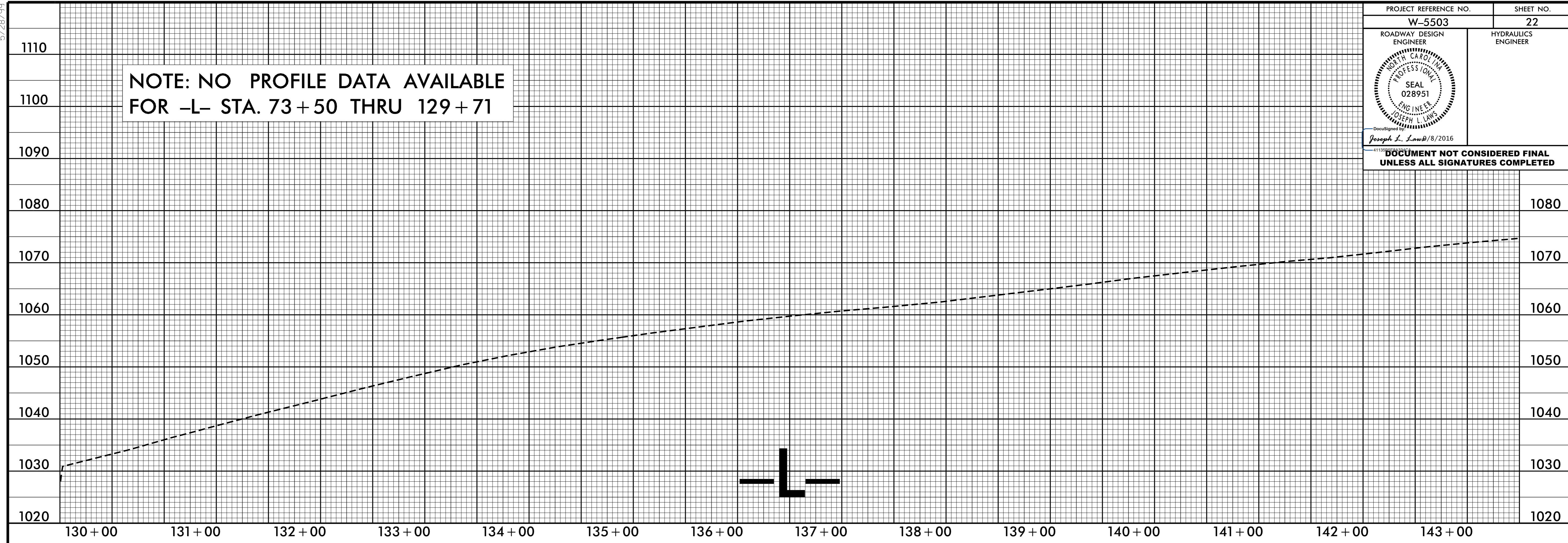


-L-	
PC Sta 303+60.24	PC Sta 304+85.55
PI Sta 304+05.41	PI Sta 306+58.90
$\Delta = 1^{\circ} 48' 23.5''$ (LT)	$\Delta = 1^{\circ} 44' 00.4''$ (LT)
$D = 2^{\circ} 00' 00.0''$	$D = 0^{\circ} 30' 00.0''$
$L = 90.33'$	$L = 346.69'$
$T = 45.17'$	$T = 173.36'$
$R = 2,864.79'$	$R = 11,459.16'$
PT Sta 304+50.57	
$N 57^{\circ} 19' 13.2'' E$	

NOTES


(1) ALL DRIVEWAY RADII ARE 15' UNLESS NOTED

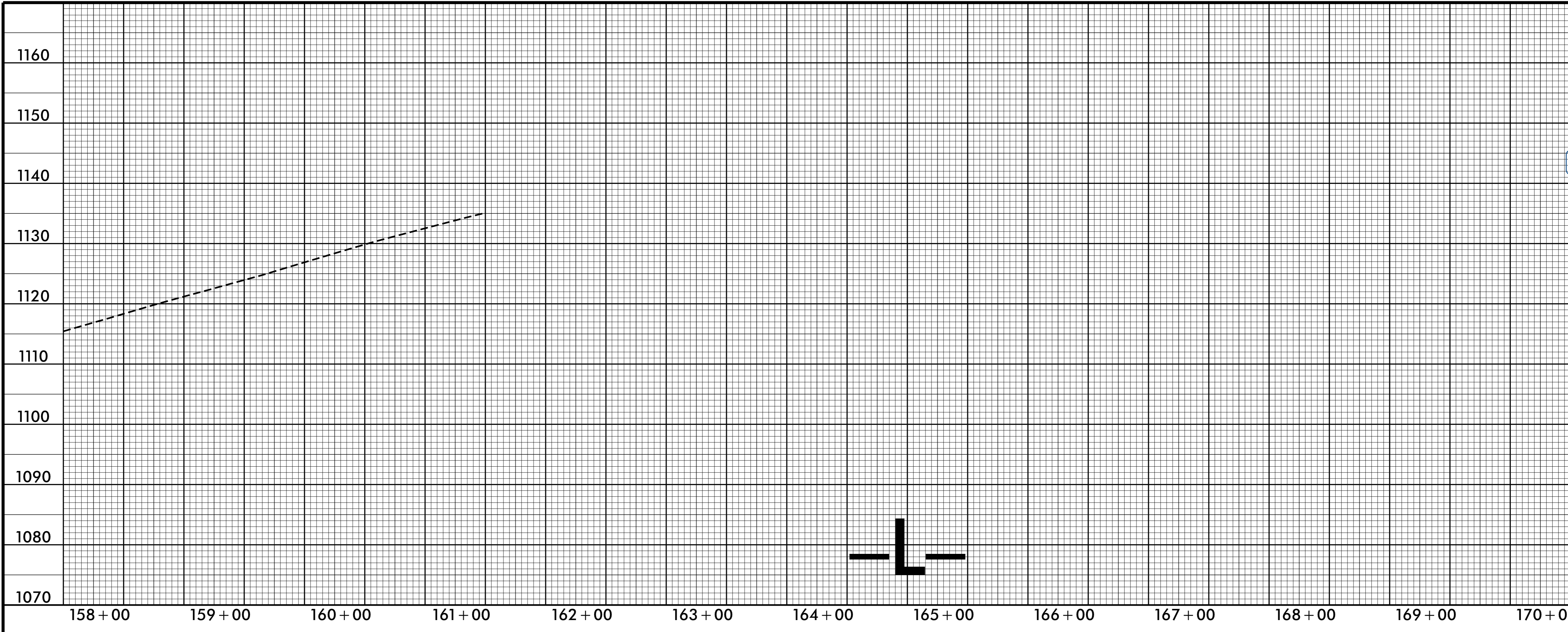
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5/28/99

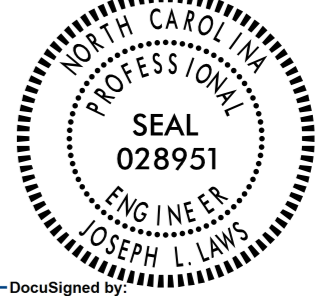
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PROJECT REFERENCE NO. W-5503	SHEET NO. 23
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	
Desigined by: <i>Joseph L. Lanos</i> 9/8/2016 411538	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

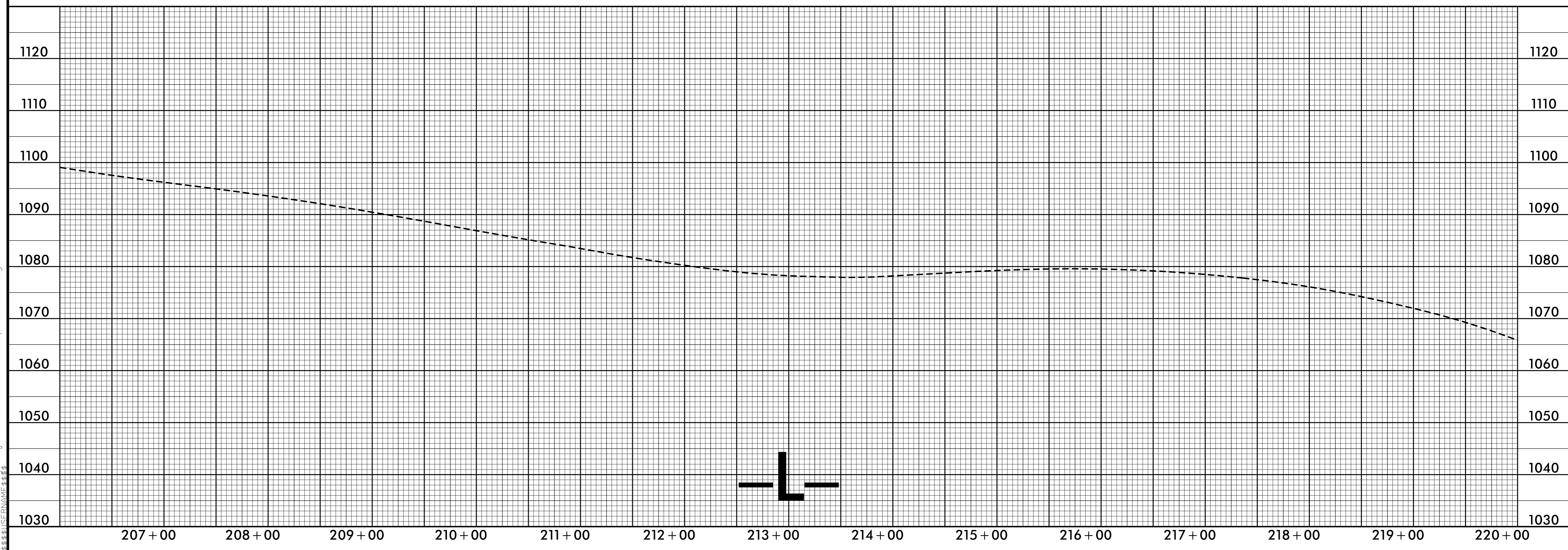
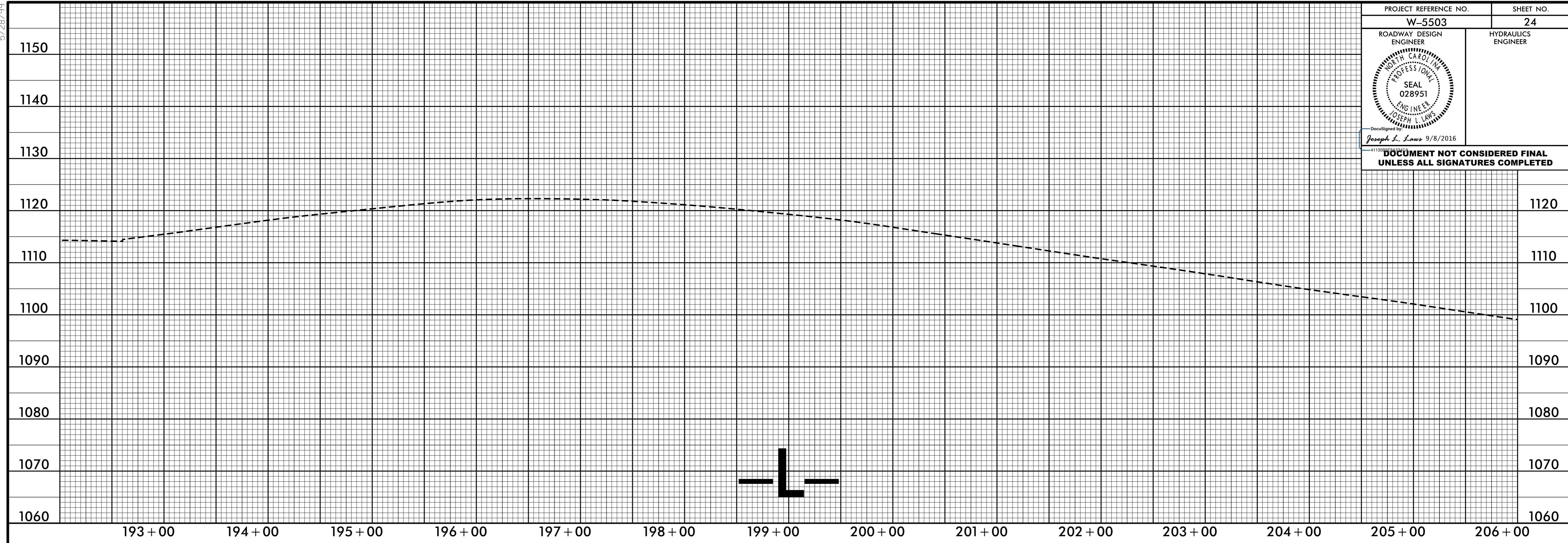


**NOTE: NO PROFILE DATA AVAILABLE
FOR -L- STA. 161+20.00 THRU 192+17.00**

5/28/99

PROJECT REFERENCE NO. W-5503	SHEET NO. 24
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	
DocuSigned by <u>Joseph L. Laws</u> 9/8/2016	

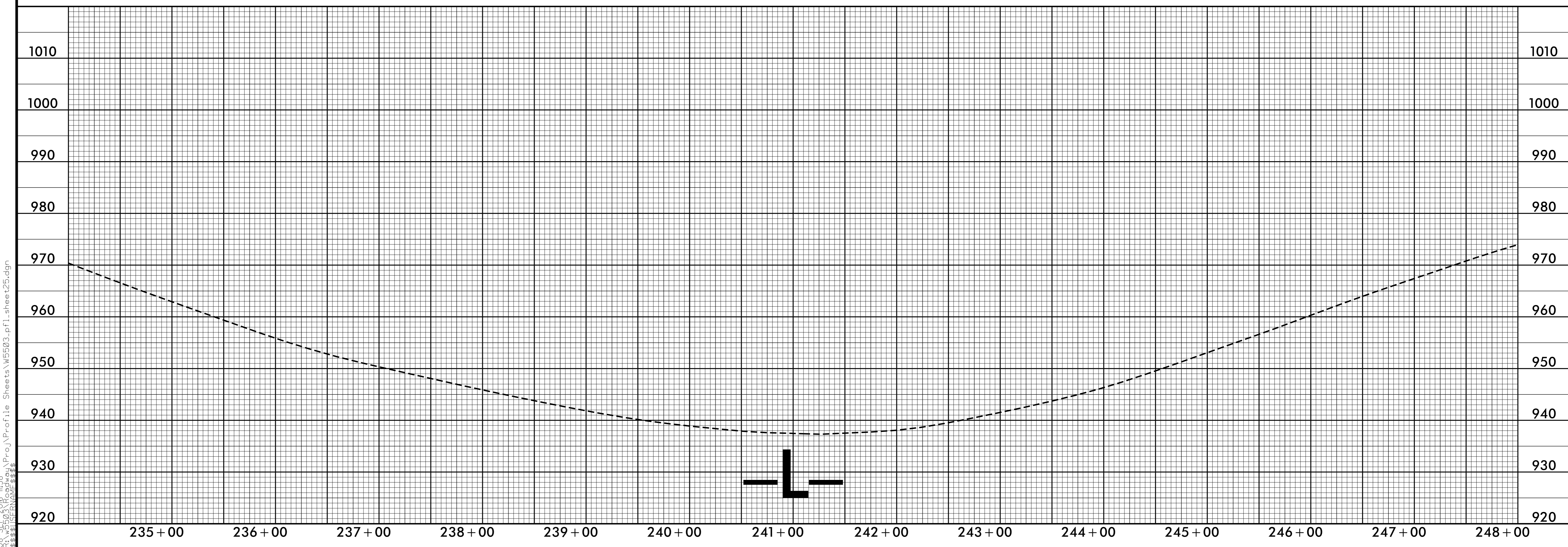
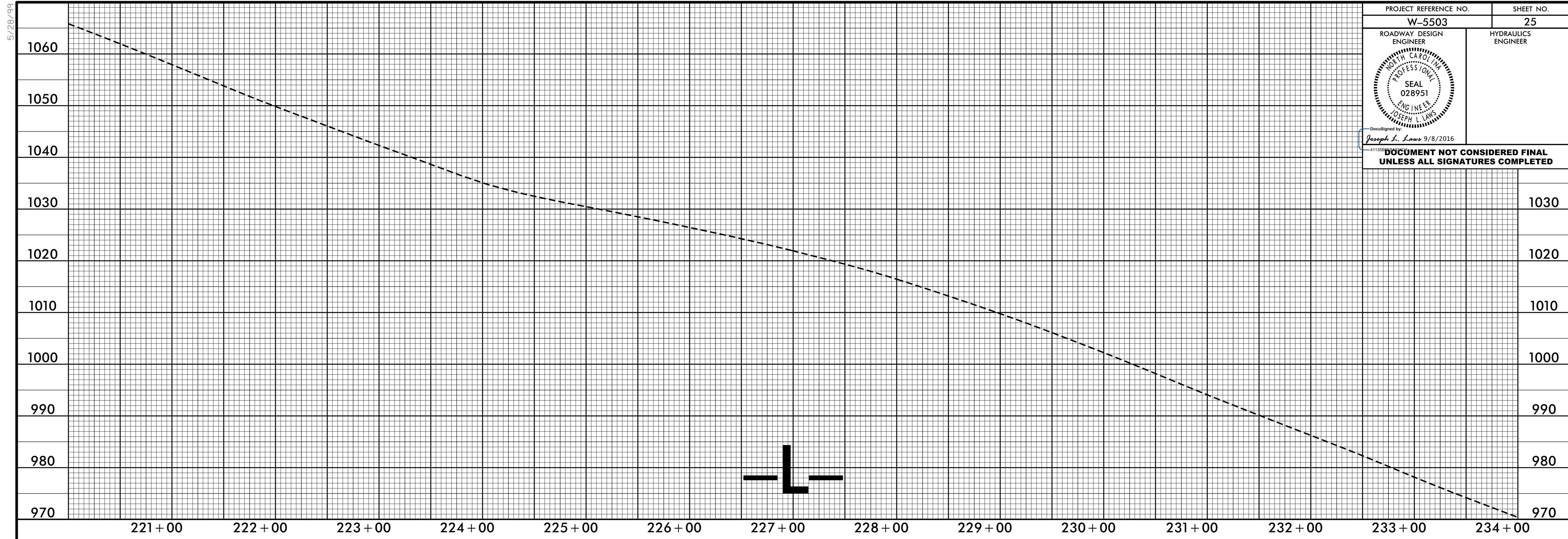
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



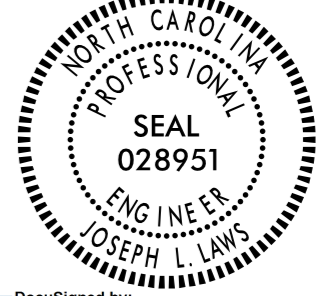
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PROJECT REFERENCE NO.	SHEET NO.
W-5503	25
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Desigined by <i>Joseph L. Laws</i> 9/8/2016 411338	

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

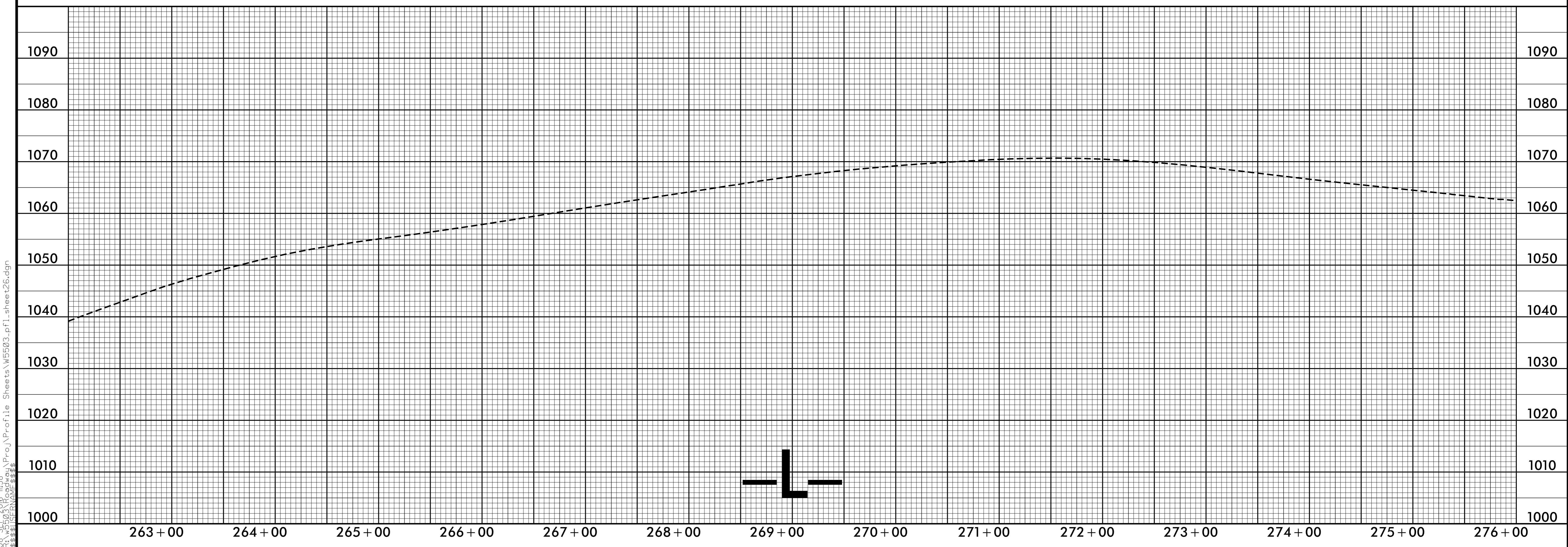
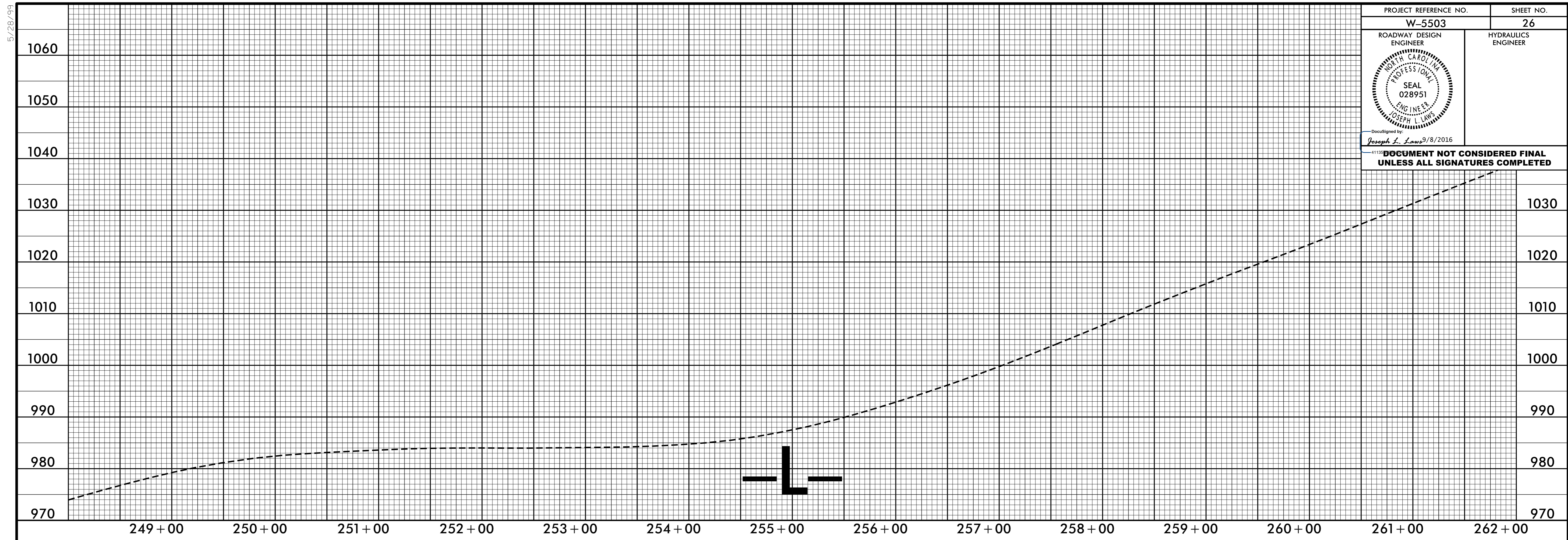


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PROJECT REFERENCE NO. W-5503	SHEET NO. 26
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	
DocuSigned by: <i>Joseph L. Laws</i> 9/8/2016	

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

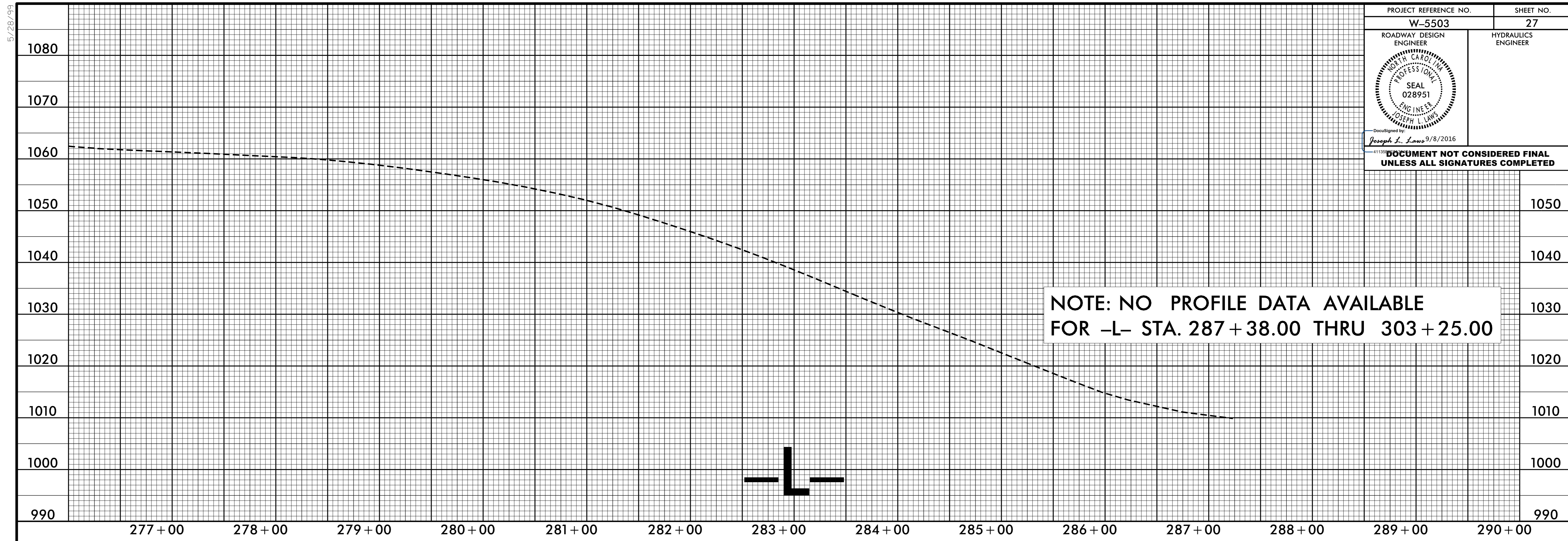
5/28/99



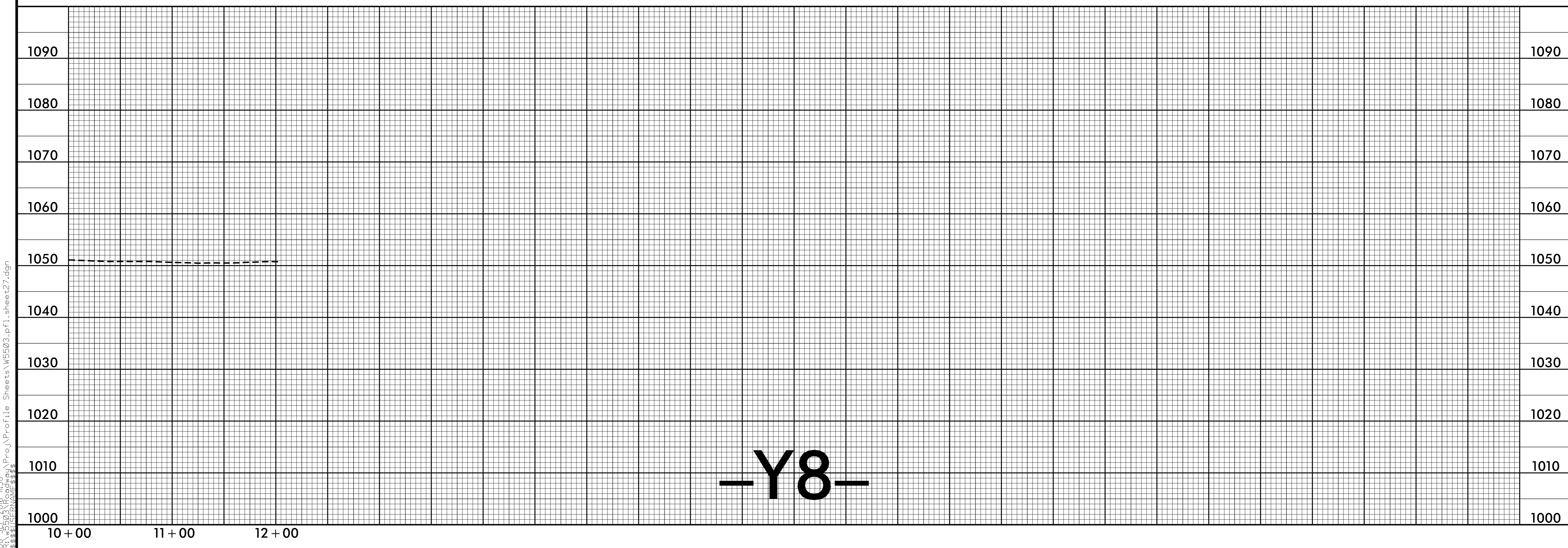
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**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

5/28/99



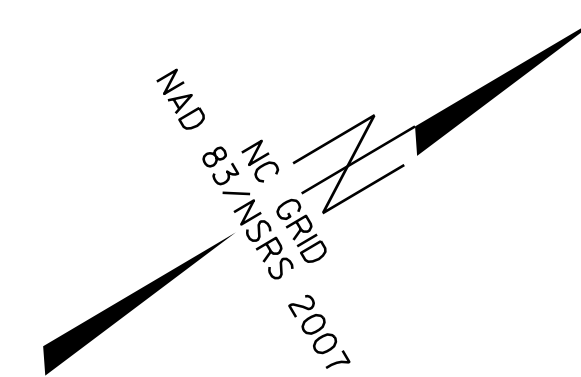
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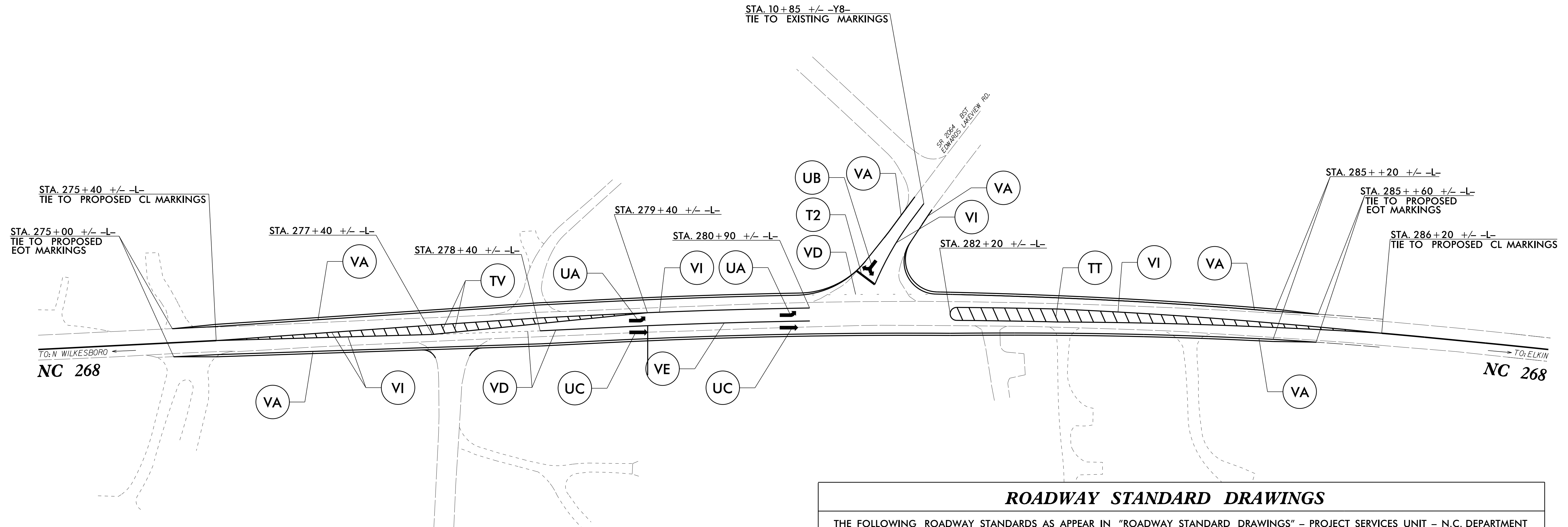
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN WILKES COUNTY

LOCATION: NC 268 EAST OF NORTH WILKESBORO



PROJECT REFERENCE NO. W-5503	SHEET NO. PMP-1
APPROVED:	
DATE:	
SEAL:	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS.

STD.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1250.01	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES

PROJECT NOTES

THROUGHOUT THE ENTIRE LENGTH OF THE W-5503 PROJECT, ALL EXISTING PAVEMENT MARKING CONDITIONS THAT ARE DISTURBED AS A RESULT OF CONSTRUCTION &/OR RESURFACING ARE TO BE RE-STRIPPED BACK TO THEIR ORIGINAL CONDITIONS USING POLYUREA AND THERMOPLASTIC PAVEMENT MARKINGS AS DIRECTED BY THE ENGINEER.

PAVEMENT MARKING LEGEND

QUANT.	PAVEMENT MARKING LINES	QUANT.	PAVEMENT MARKING SYMBOLS
185 L.F.	TV - THERMOPLASTIC YELLOW DIAGONAL (12", 90MIL)	2 EA.	UA - THERMOPLASTIC LEFT TURN ARROW (90 MIL)
295 L.F.	TT - THERMOPLASTIC YELLOW DIAGONAL (8", 90MIL)	2 EA.	UB - THERMOPLASTIC SHARED LT AND RT TURN ARROW (90 MIL)
23 L.F.	T2 - THERMOPLASTIC WHITE STOPBAR (24", 120MIL)	1 EA.	UC - THERMOPLASTIC STRAIGHT ARROW (90 MIL)
4155 L.F.	VA - POLYUREA WHITE EDGE LINE (4")		
372 L.F.	VD - POLYUREA 3FT.-9FT./SP WHITE MINISKIP (4")		
150 L.F.	VE - POLYUREA WHITE SOLID LANE LINE (4")		
1760 L.F.	VI - POLYUREA YELLOW DOUBLE CENTER (4")		

PAVEMENT MARKING DETAIL

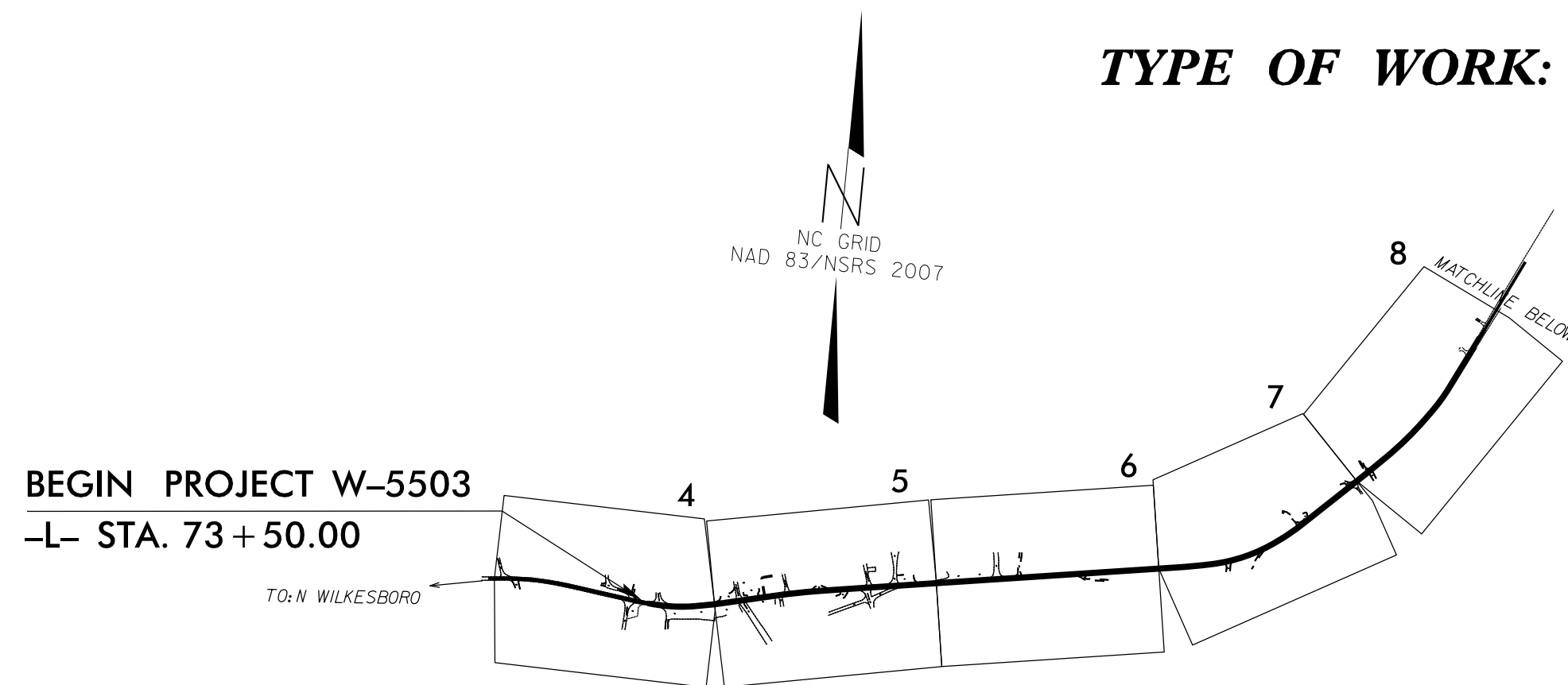
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 8/17/99

TIP PROJECT: W-5503

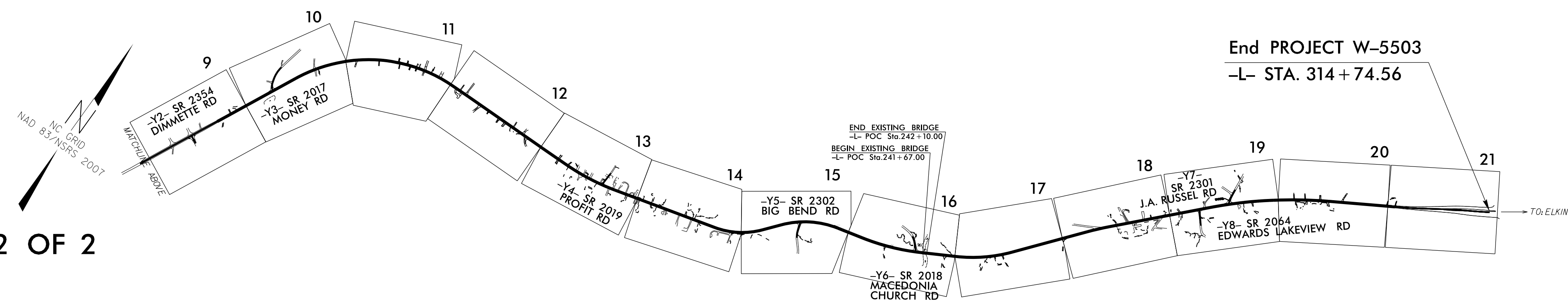
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 PLAN FOR PROPOSED
 HIGHWAY EROSION CONTROL
WILKES COUNTY

LOCATION: NC 268 EAST OF NORTH WILKESBORO

**TYPE OF WORK: WIDEN MULTIPLE SECTIONS, INSTALL GUARDRAIL,
 PAVEMENT MARKINGS, GRADING, DRAINAGE AND PAVING**



PART 1 OF 2



PART 2 OF 2

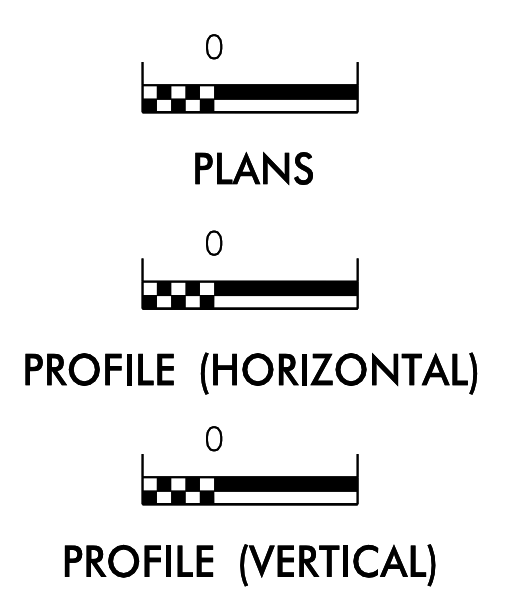
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5503	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	△△△△△
1622.01	Temporary Berms and Slope Drains	— T —
1630.02	Silt Basin Type B	▨
1633.01	Temporary Rock Silt Check Type-A	▩
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	▩
1633.02	Temporary Rock Silt Check Type-B	▩
	Wattle/Coir Fiber Wattle	— W —
	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	— W —
1634.01	Temporary Rock Sediment Dam Type-A	▩
1634.02	Temporary Rock Sediment Dam Type-B	▩
1635.01	Rock Pipe Inlet Sediment Trap Type-A	⊓
1635.02	Rock Pipe Inlet Sediment Trap Type-B	⊓
1630.04	Stilling Basin	▭
1630.06	Special Stilling Basin	▭
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	▭
	Tiered Skimmer Basin	▭
	Infiltration Basin	▭

**THIS PROJECT CONTAINS
 EROSION CONTROL PLANS
 FOR CLEARING AND
 GRUBBING PHASE OF
 CONSTRUCTION.**

GRAPHIC SCALE



ROADSIDE ENVIRONMENTAL UNIT
 DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

**THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
 WITH THE REGULATIONS SET FORTH BY THE
 NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011
 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND
 NATURAL RESOURCES DIVISION OF WATER QUALITY.**

Prepared in the Office of:
ROADSIDE ENVIRONMENTAL UNIT
 1 South Wilmington St.
 Raleigh, NC 27611

2012 STANDARD SPECIFICATIONS

Designed by:
Jeremy Goodwin **3446**
 NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C. dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type J
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type J
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type J	1634.02 Temporary Rock Sediment Dam Type J
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type J
1630.05 Temporary Diversion	1640.01 Coir Fiber Jaffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

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PROJECT REFERENCE NO. W-5503	SHEET NO. EC-02
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

NOTES:

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

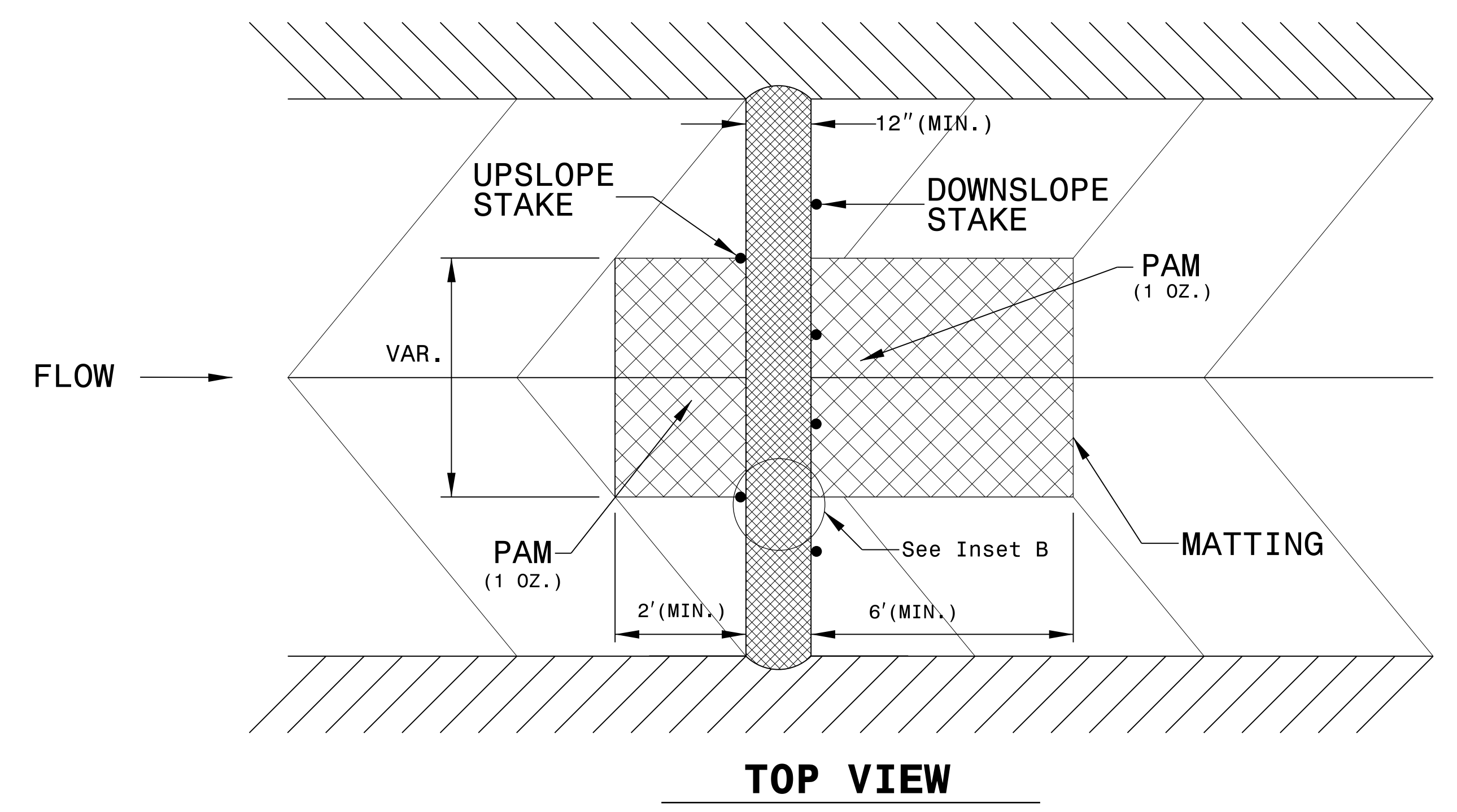
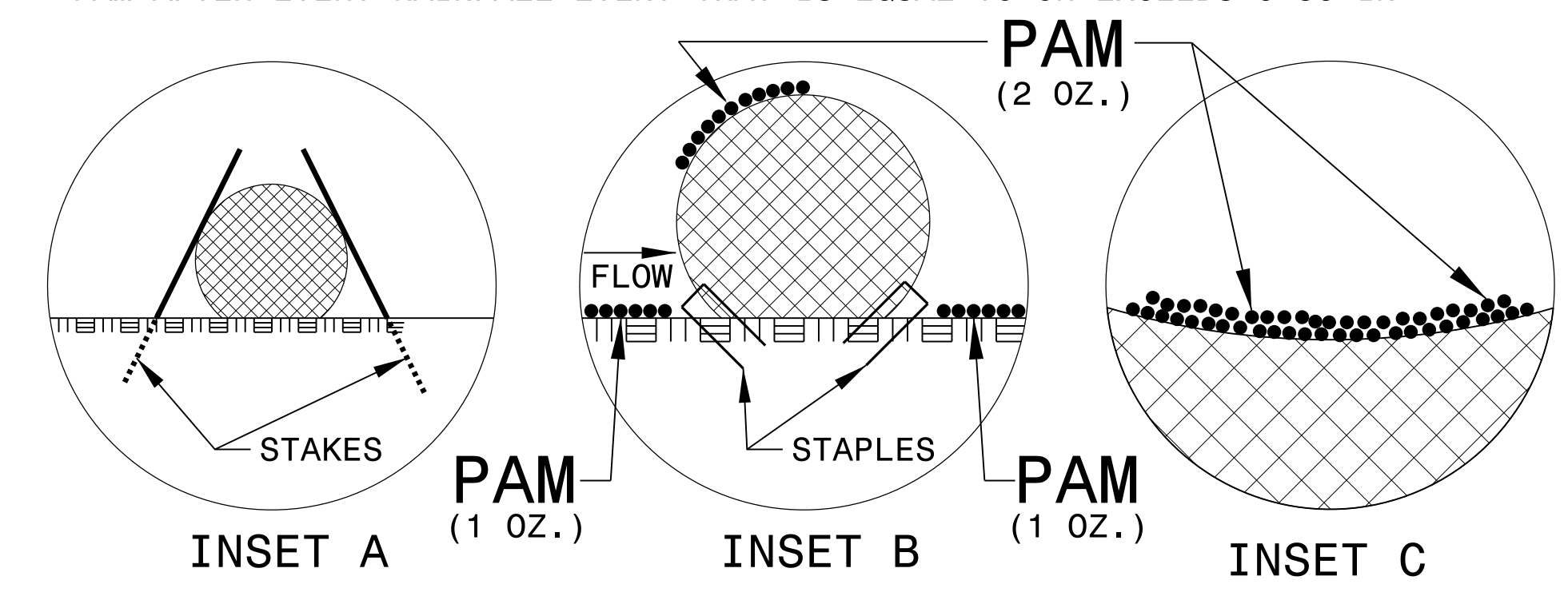
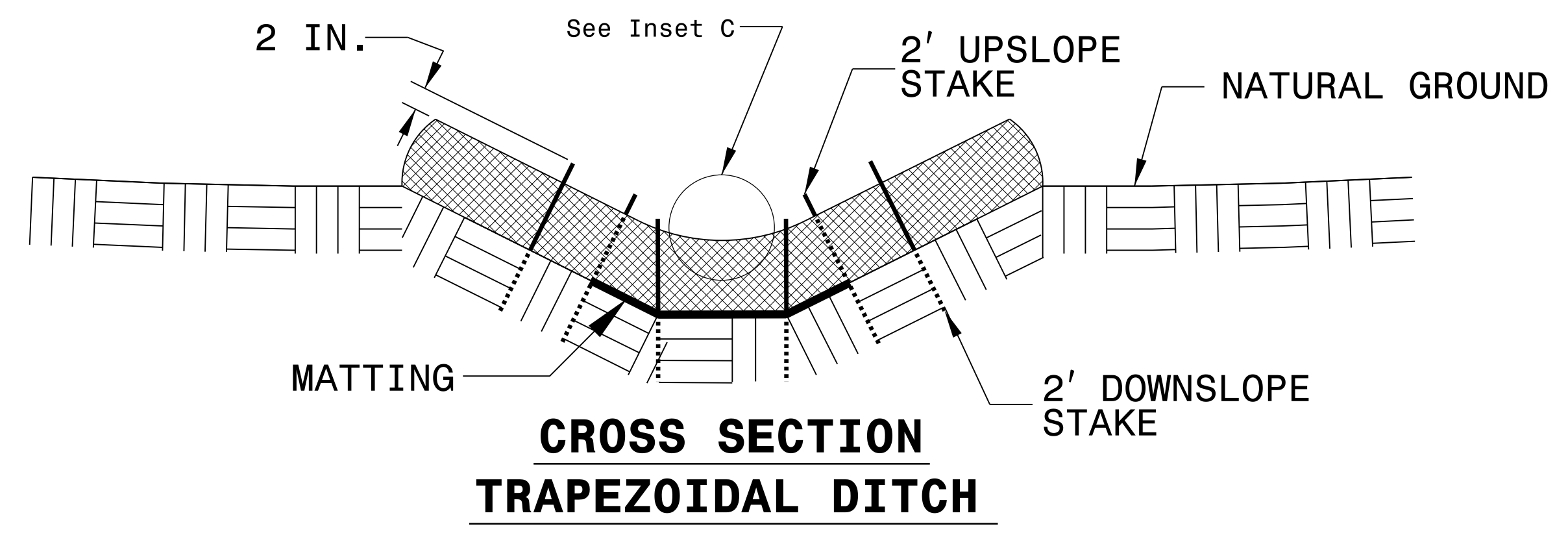
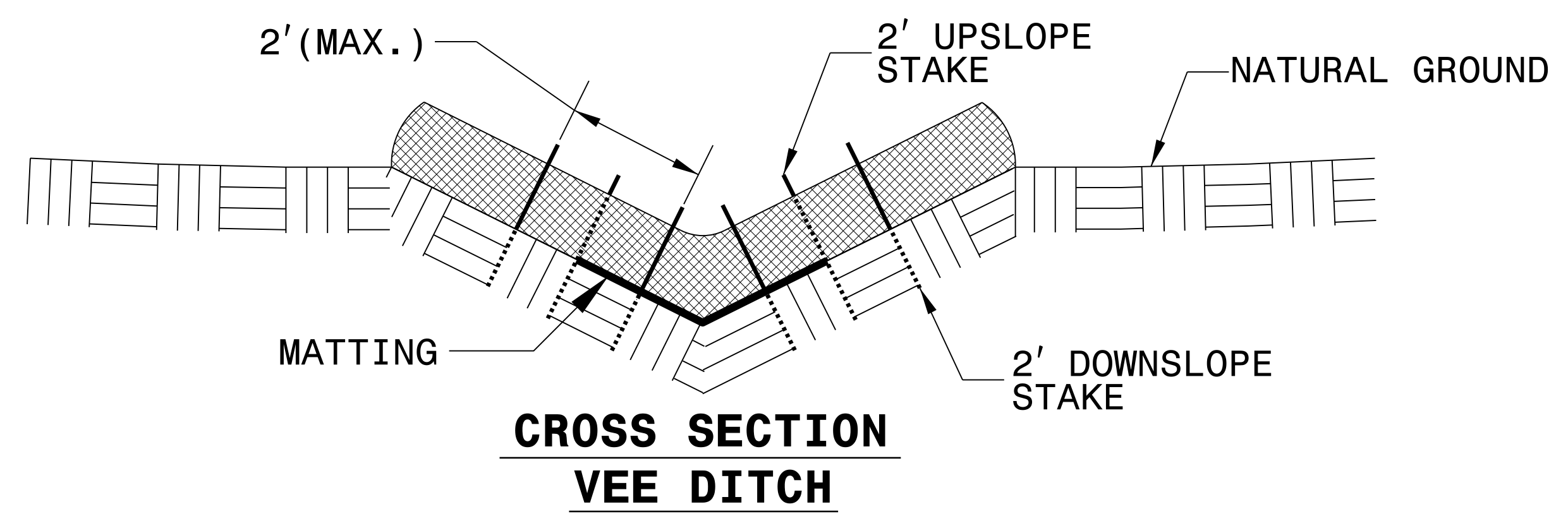
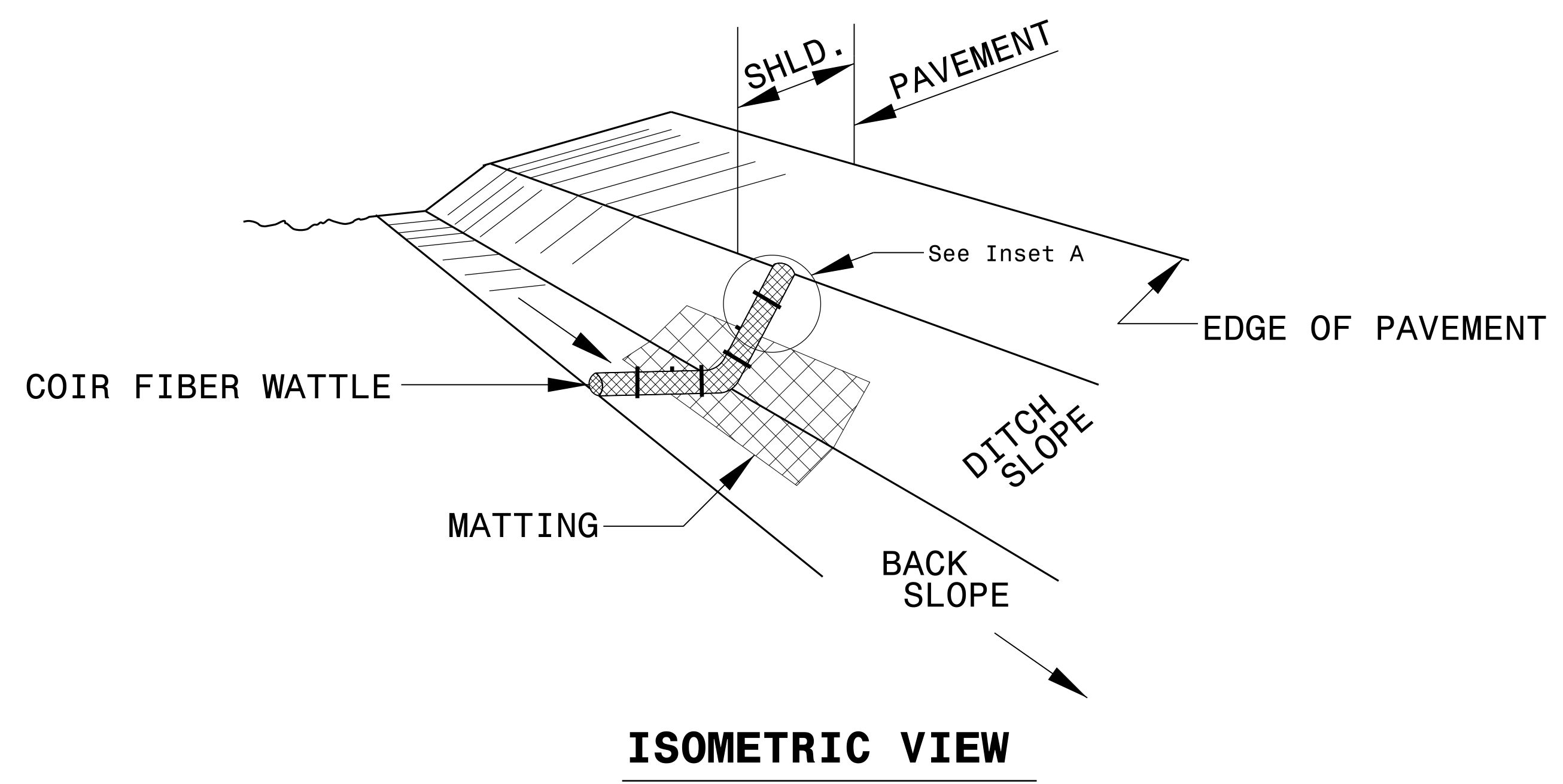
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

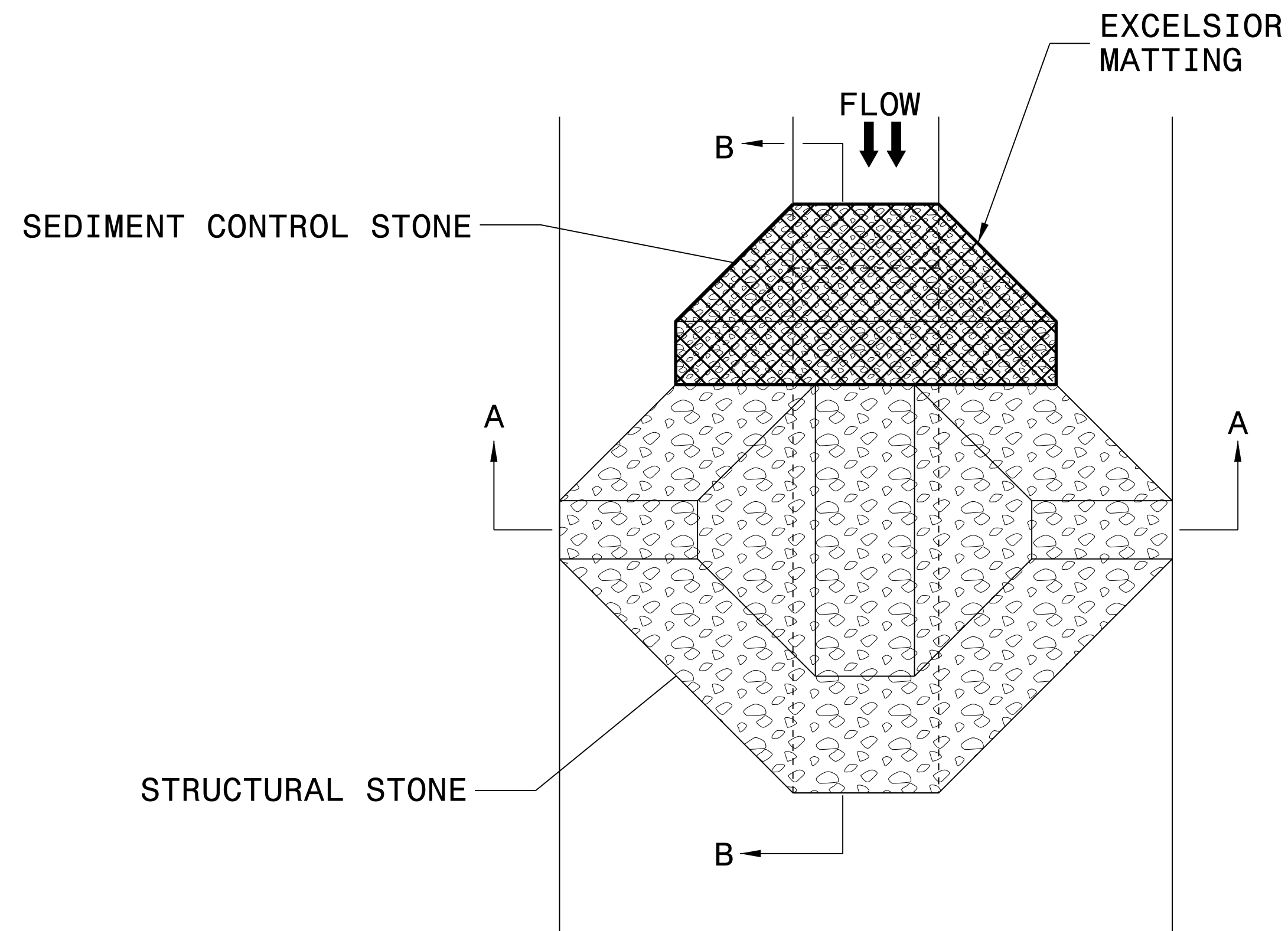
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.

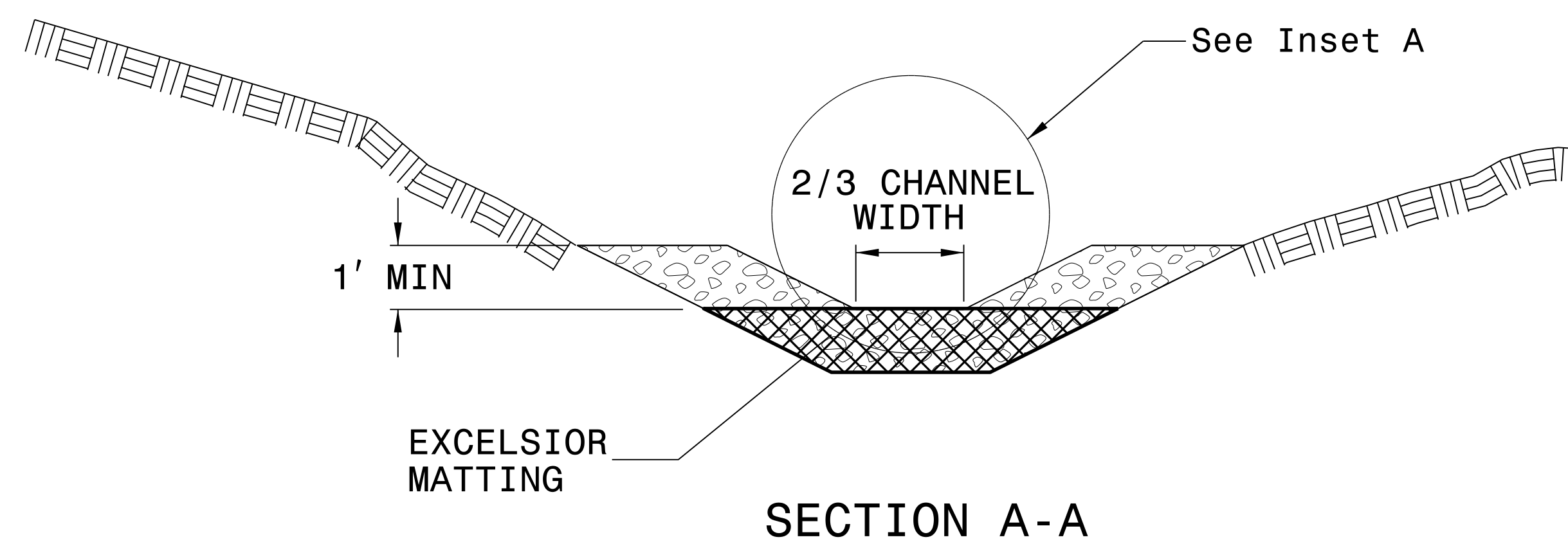


PROJECT REFERENCE NO. W-5503	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)



PLAN



SECTION A-A

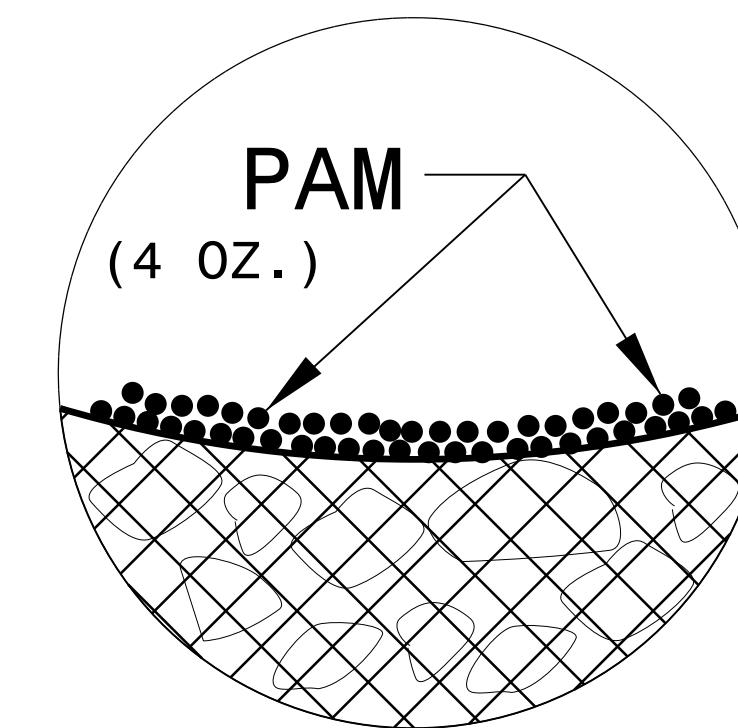
NOTES:

INSTALL TEMPORARY ROCK SILT CHECK TYPE A IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1633.01.

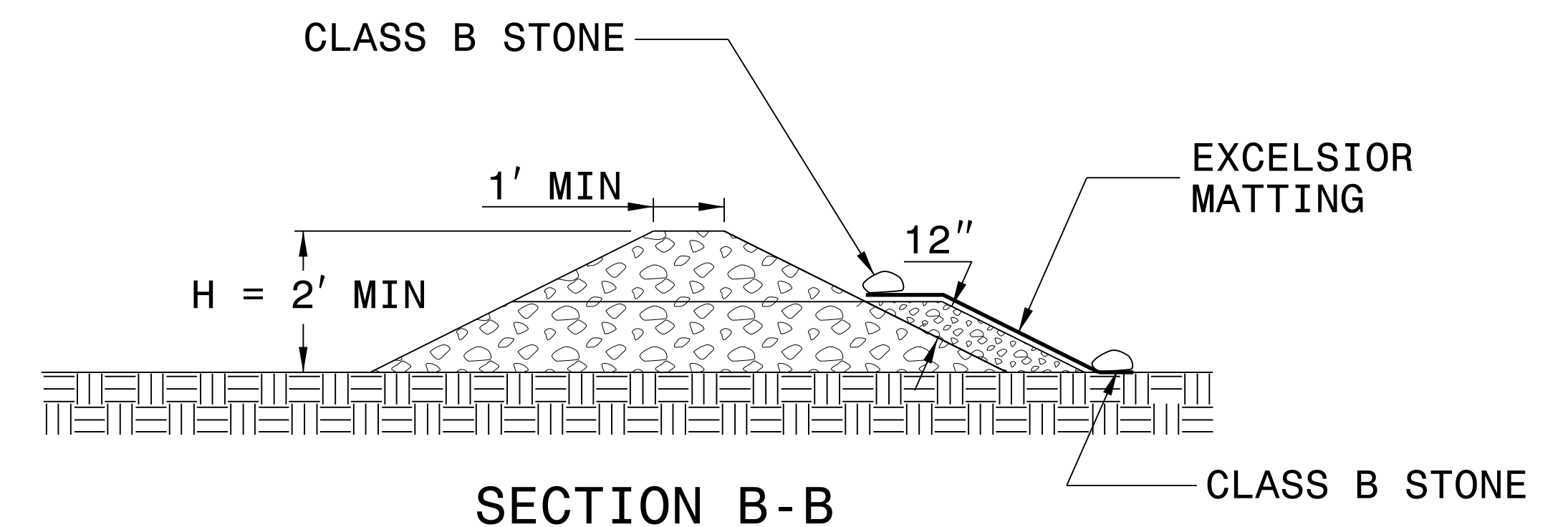
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH ROCK SILT CHECK.

INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



SECTION B-B

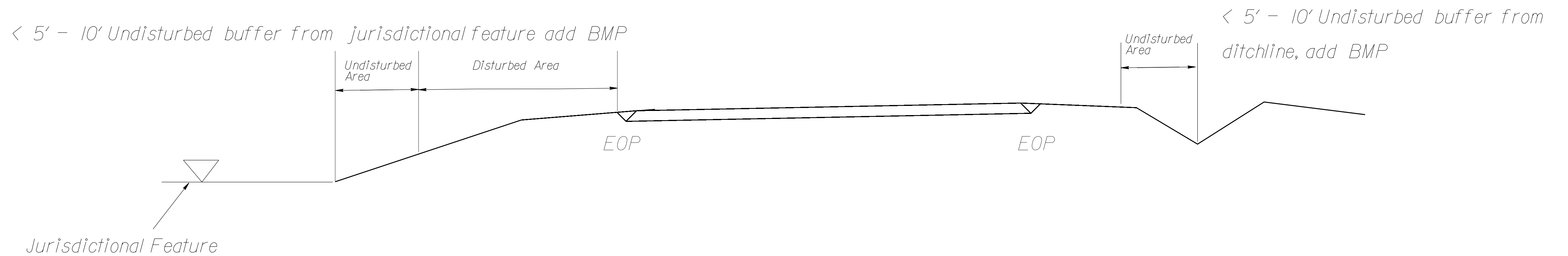
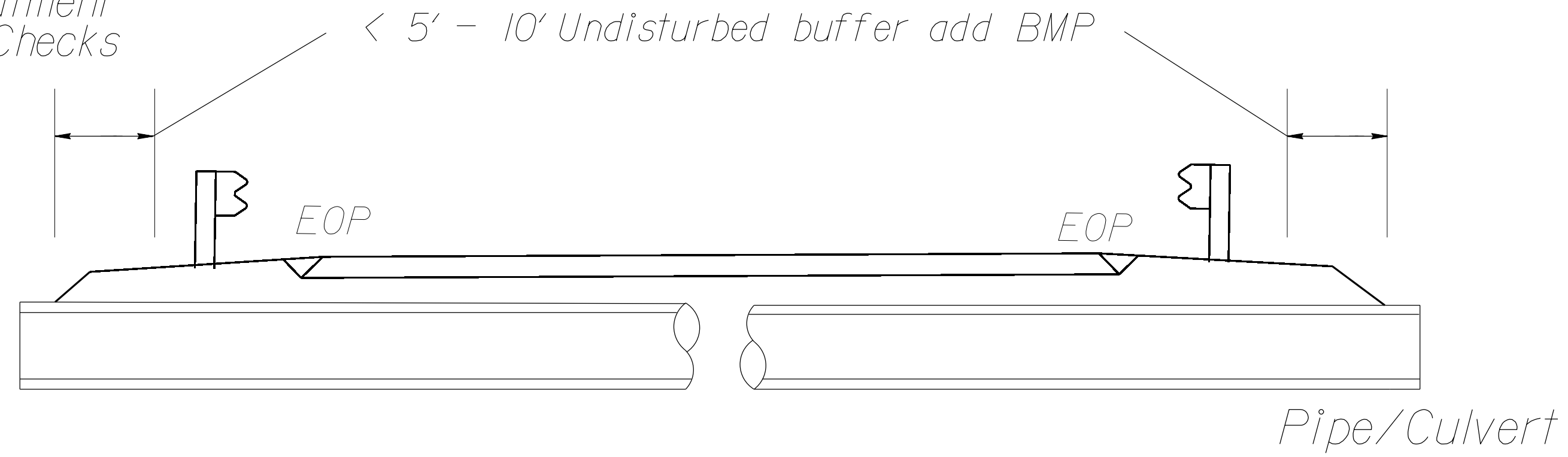
NOT TO SCALE

NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Silt Fence, Special Sediment Control Fence, Temporary Rock Silt Checks Type 'A', Wattles

EROSION CONTROL DETAIL

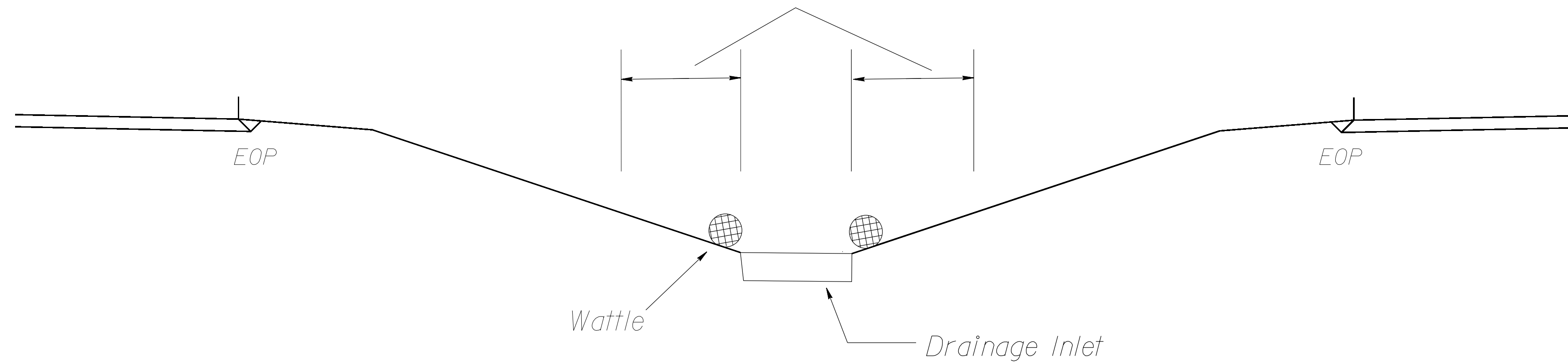
PROJECT REFERENCE NO. W-5503	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
<i>W-5503</i>	<i>EC-03</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

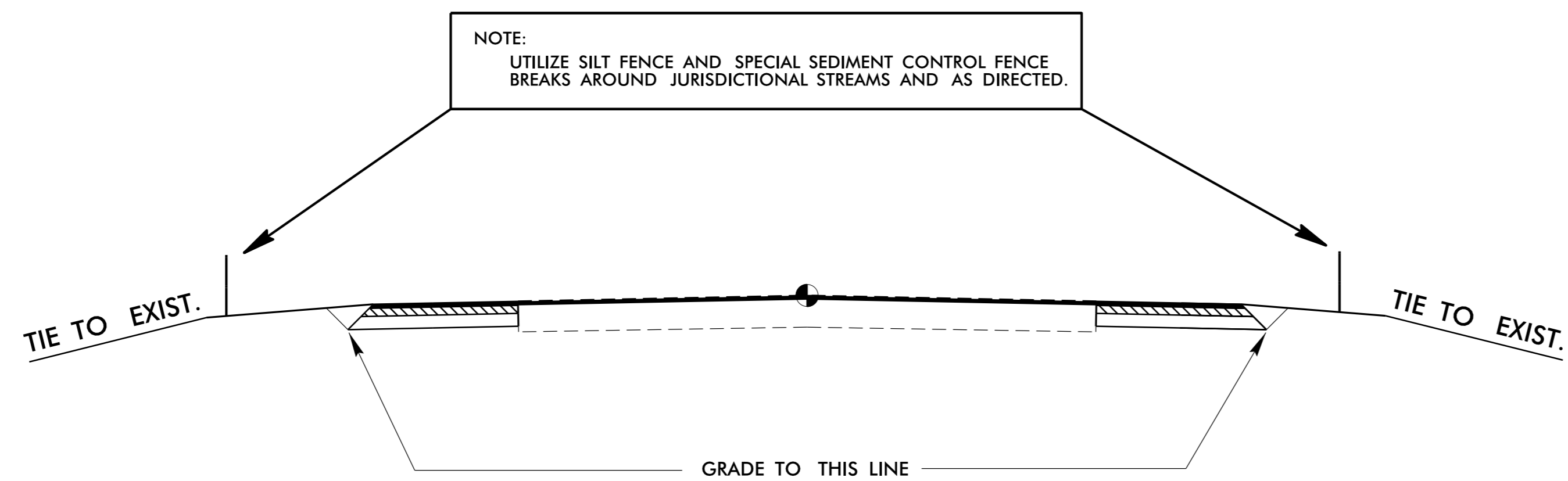
SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

PROJECT REFERENCE NO.	SHEET NO.
W-5503	EC-04
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

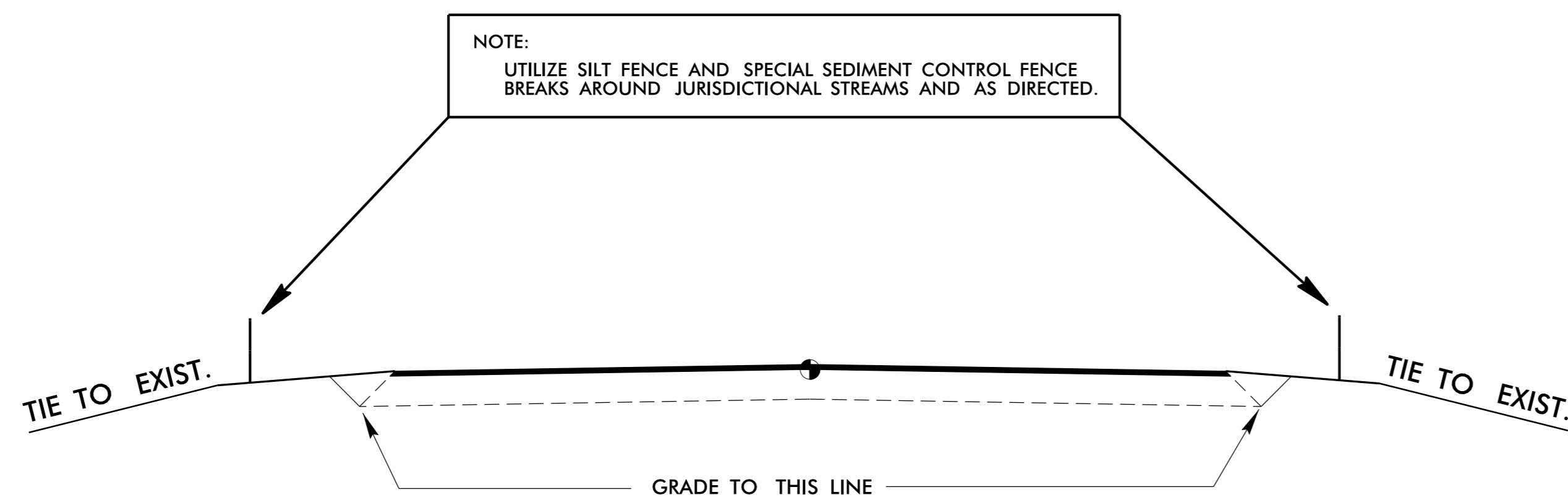
NOTE:
UTILIZE SILT FENCE TO CONTAIN SOIL STOCK PILES.

NOTE:
SEE DETAIL EC-2B FOR EROSION CONTROL MEASURES AT JURISDICTIONAL AREAS AND DRAINAGE INELETs.



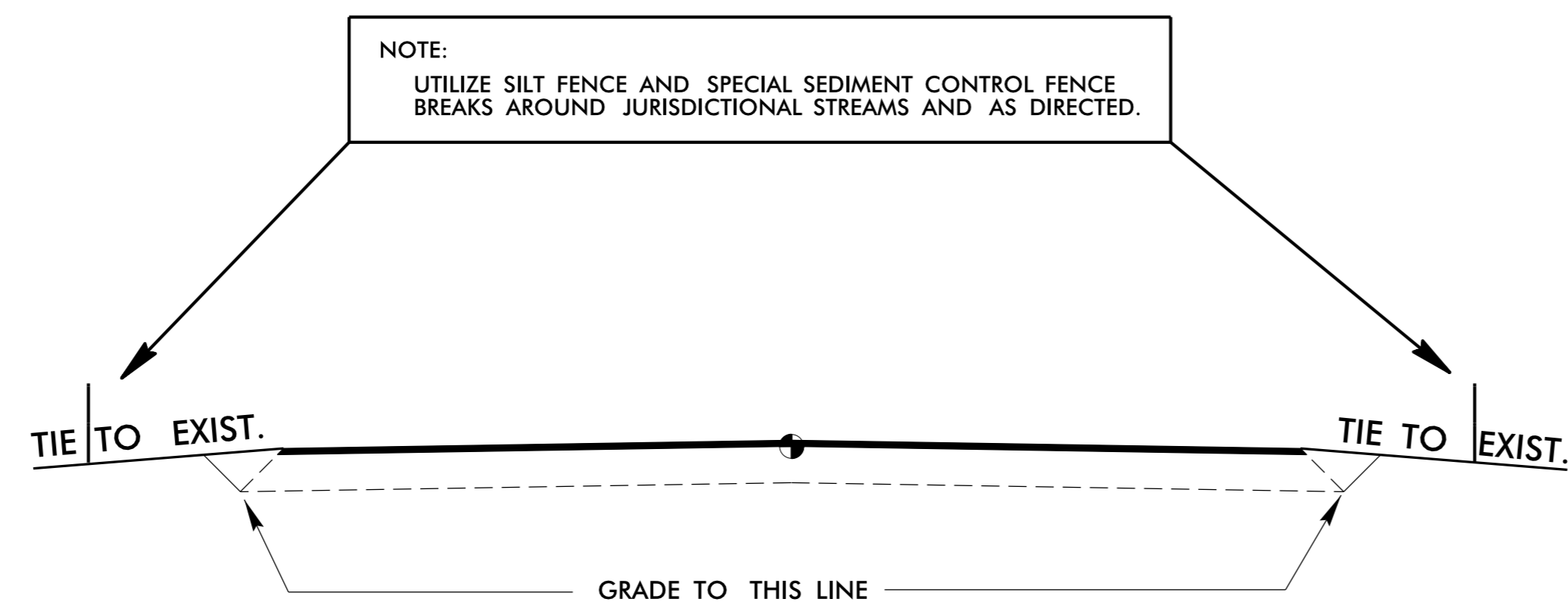
TYPICAL SECTION NO. 1

-L- STA. 73+50.00 TO STA. 131+74.00
-L- STA. 143+56.00 TO STA. 302+65.00



TYPICAL SECTION NO. 2

-L- STA. 131+74.00 TO STA. 143+56.00



TYPICAL SECTION NO. 3

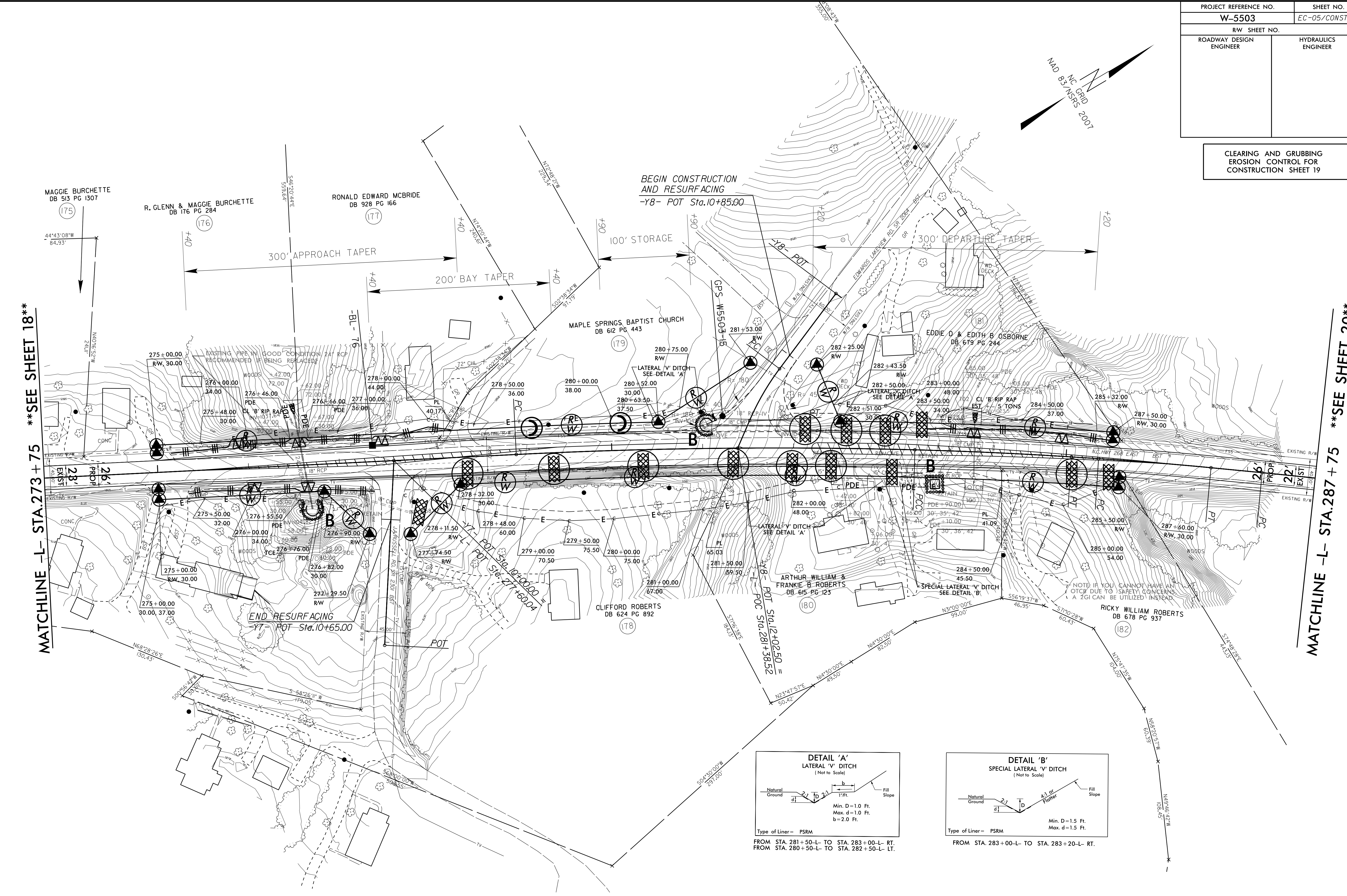
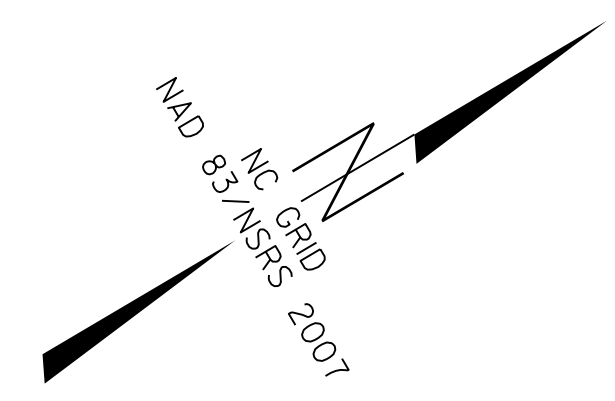
-L- STA. 73+50.00 TO STA. 303+25.00 (RESURFACE)
-Y2- STA. 10+17.00 TO STA. 10+65.00 (RESURFACE)
-Y3- STA. 12+87.00 TO STA. 13+12.00 (RESURFACE)
-Y4- STA. 11+25.00 TO STA. 11+67.00 (RESURFACE)
-Y5- STA. 10+14.00 TO STA. 10+60.00 (RESURFACE)
-Y6- STA. 11+40.00 TO STA. 11+89.00 (RESURFACE)
-Y7- STA. 10+19.00 TO STA. 10+65.00 (RESURFACE)
-Y8- STA. 11+55.00 TO STA. 11+80.00 (RESURFACE)

6/2/99

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Jagadeesan

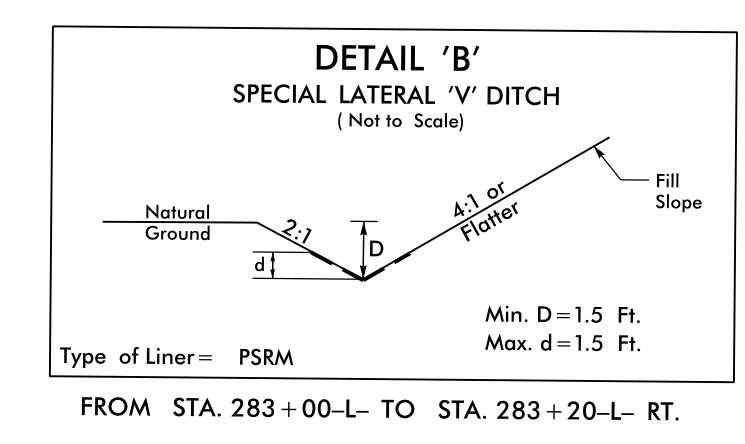
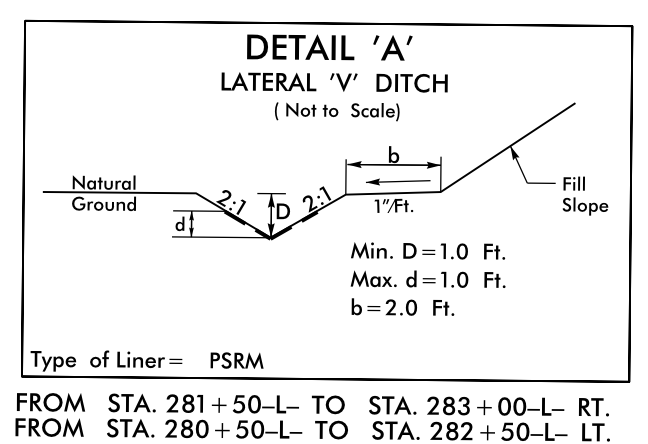
PROJECT REFERENCE NO.	SHEET NO.
W-5503	EC-05/CONST.19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 19



MATCHLINE -L- STA.273+75 **SEE SHEET 18**

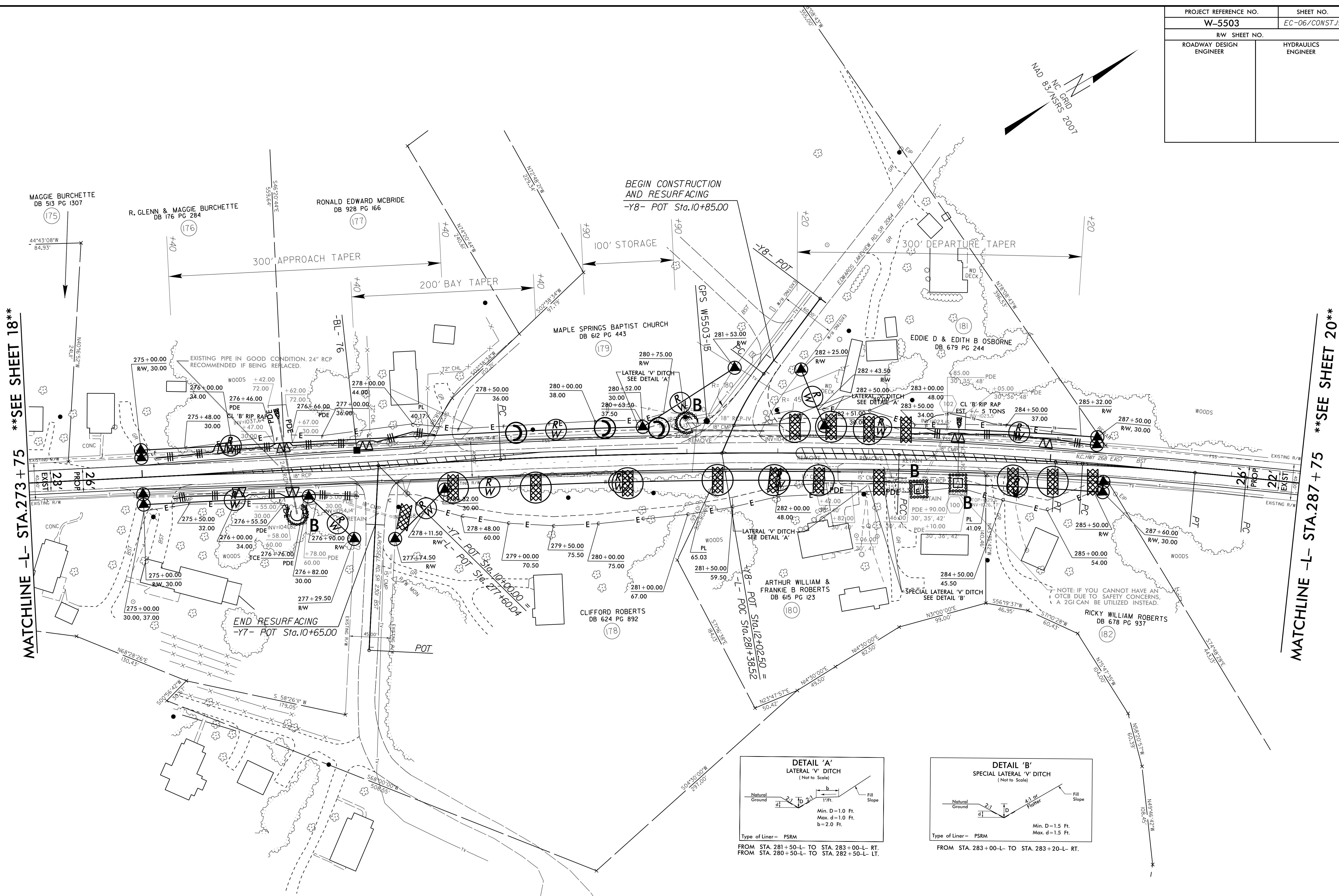
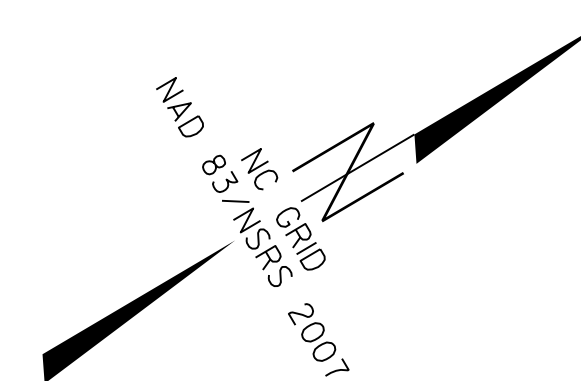
MATCHLINE -L- STA.287+75 **SEE SHEET 20**



NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

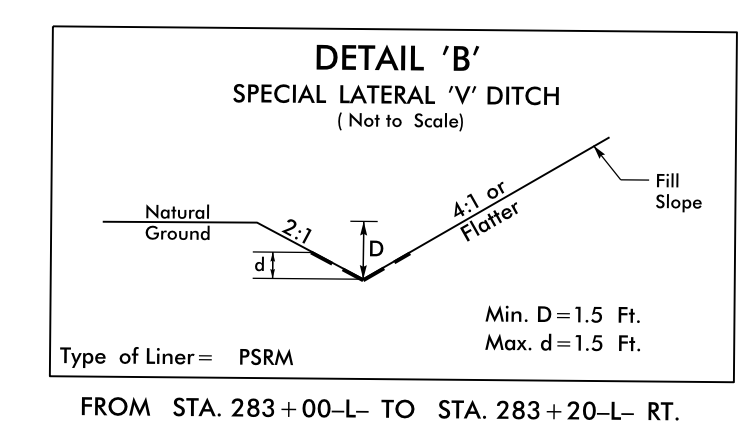
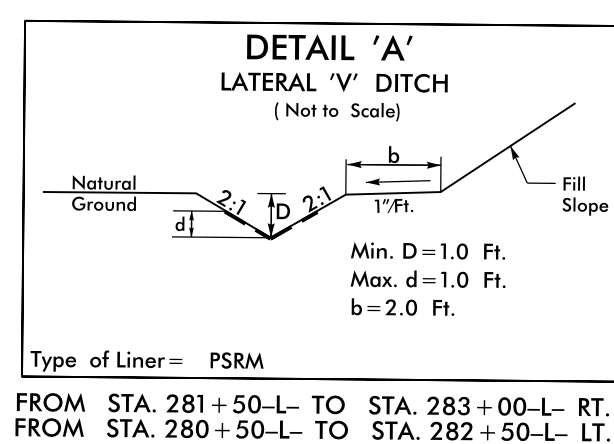
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 User: jmm
 Plot: 19

PROJECT REFERENCE NO.	SHEET NO.
W-5503	EC-06/CONST.19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -L- STA.273+75 **SEE SHEET 18**

MATCHLINE -L- STA.287+75 **SEE SHEET 20**



07-SEP-2016 11:25
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 User: jrb
 Plot: 11/21/16 11:25:14 AM

W-5503

CROSS - SECTION INDEX

-L- STA. 275 + 00.00 TO STA. 285 + 50.00 X-1 - X-7

8/23/99

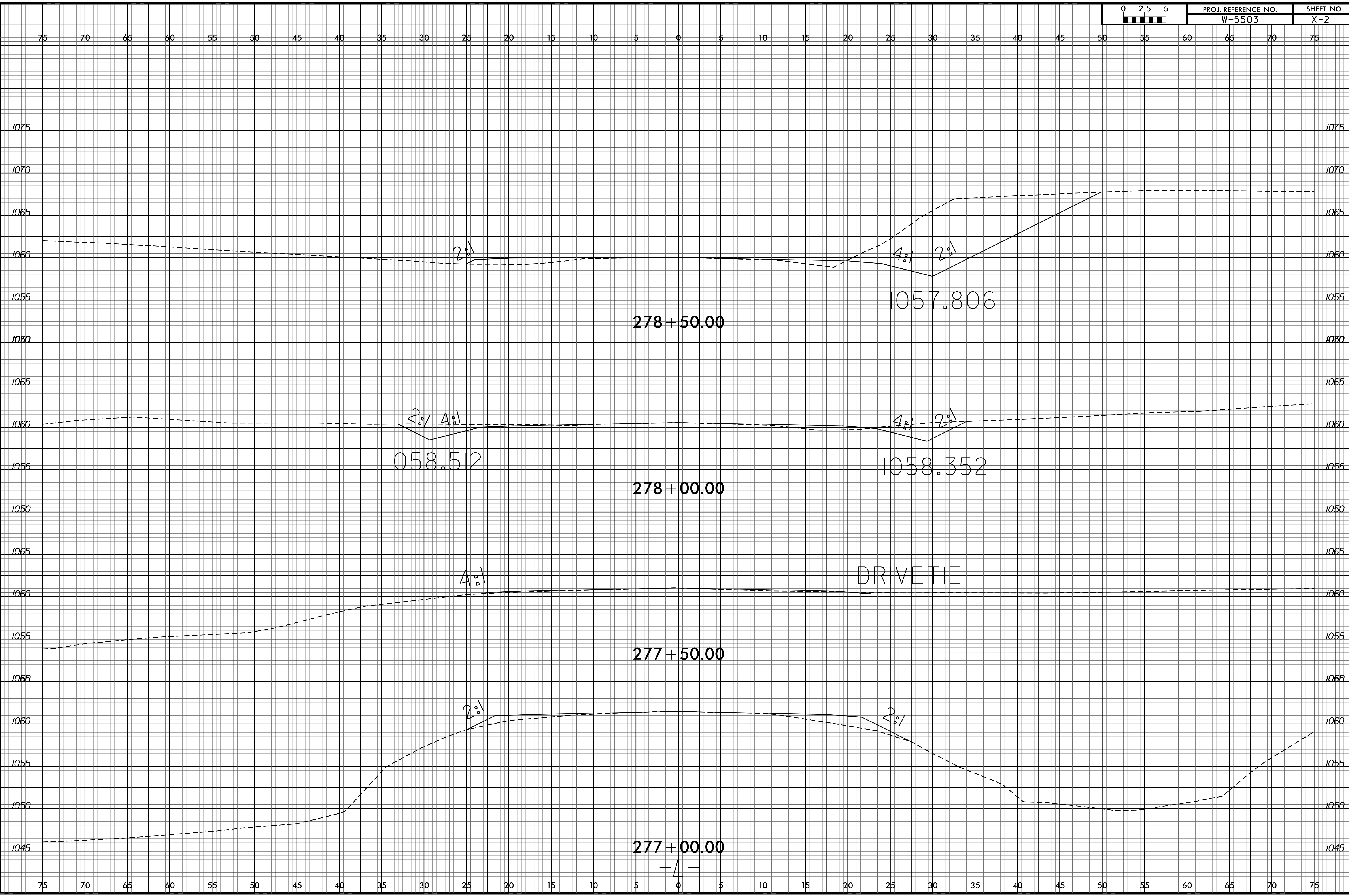
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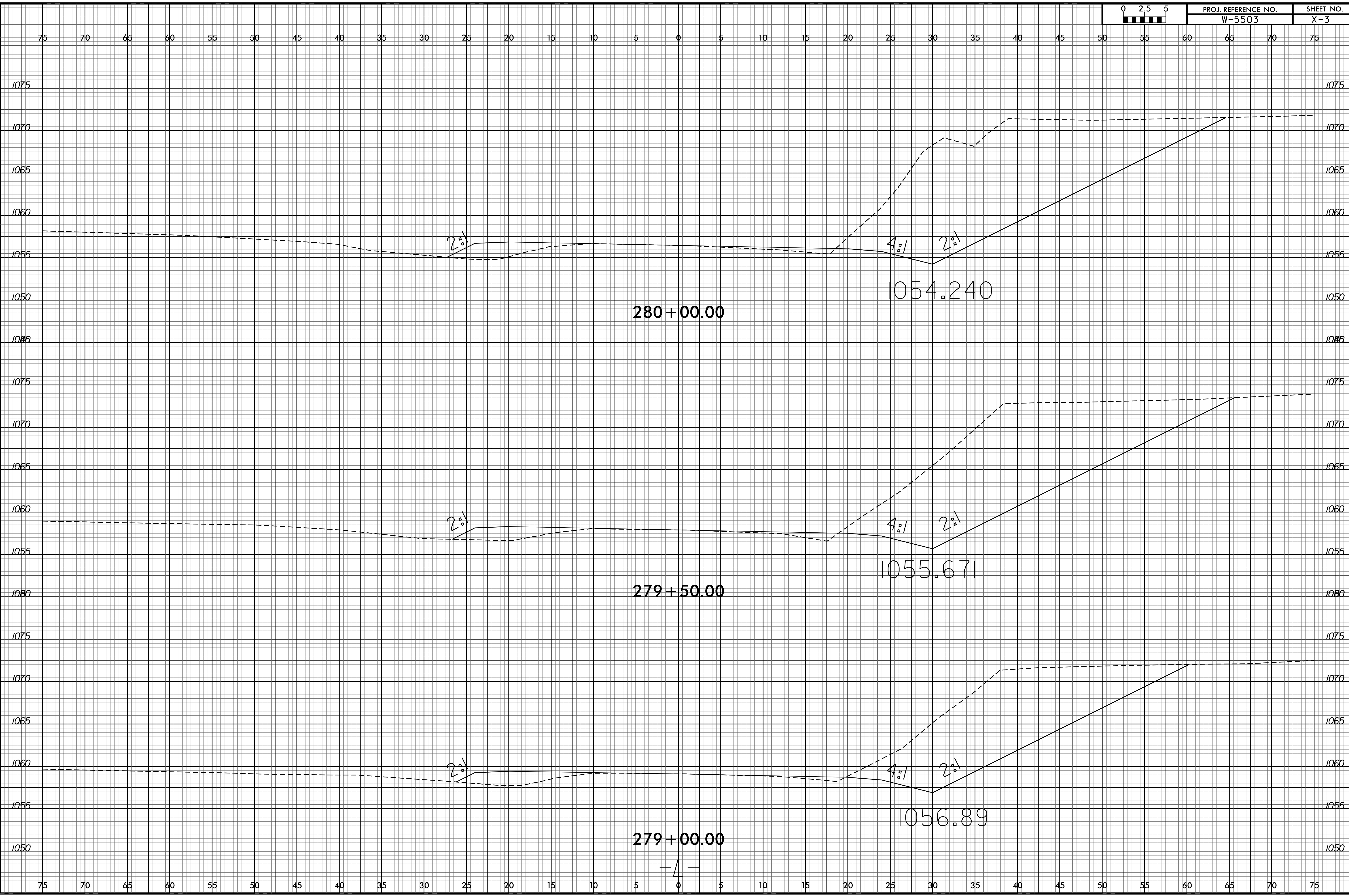
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8/23/99

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	W-5503	X-2



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1065 1060 1055 1050 1045 1070 1065 1060 1055 1050 1045 1070 1065 1060 1055 1050 1045 1070 1065 1060 1055 1050 1045

INTERSECTION

281 + 50.00

1047.851

1050.474

281 + 00.00

1049.1

1050.117

280 + 50.00

1052.566

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

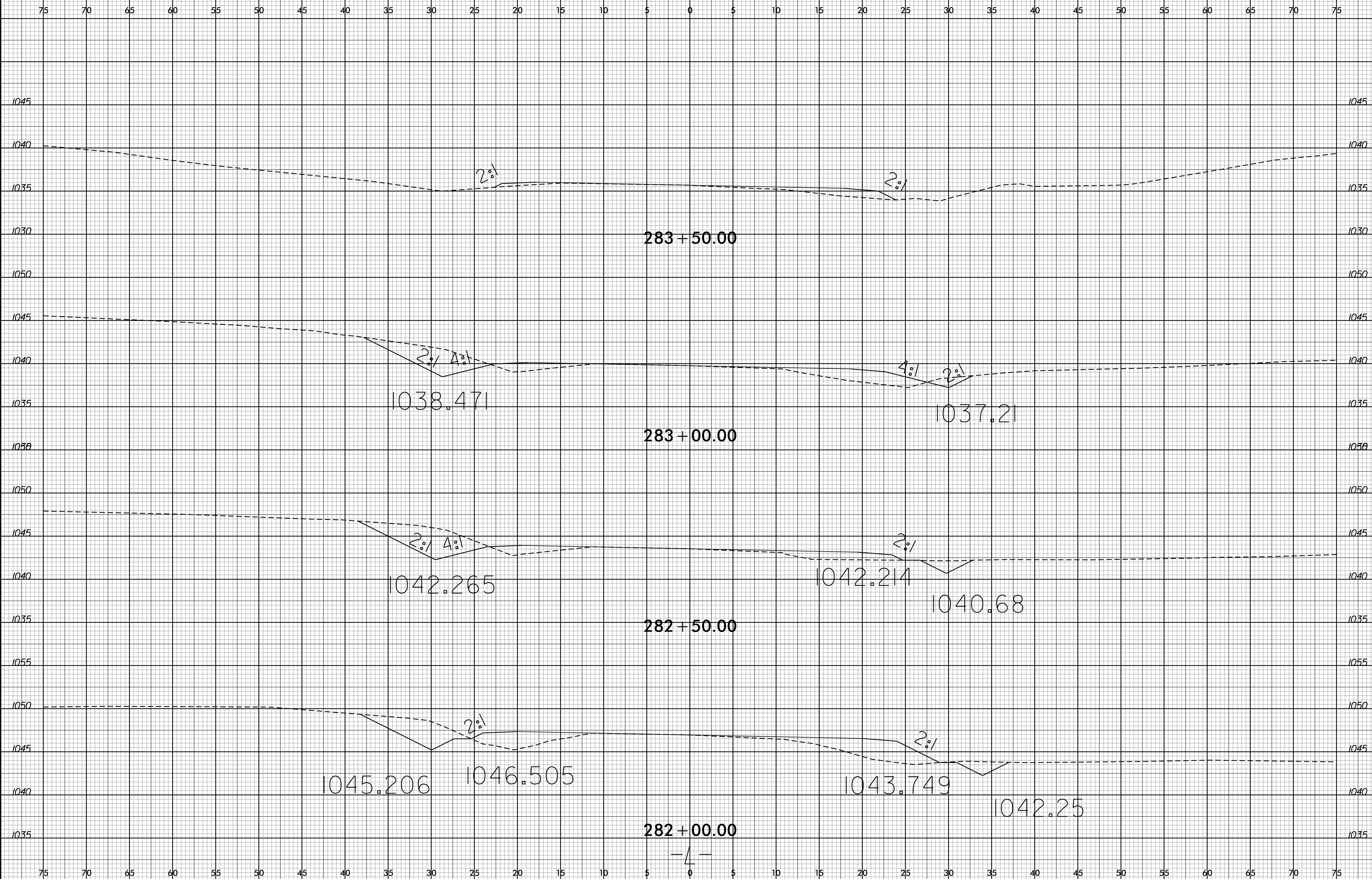
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8/23/99

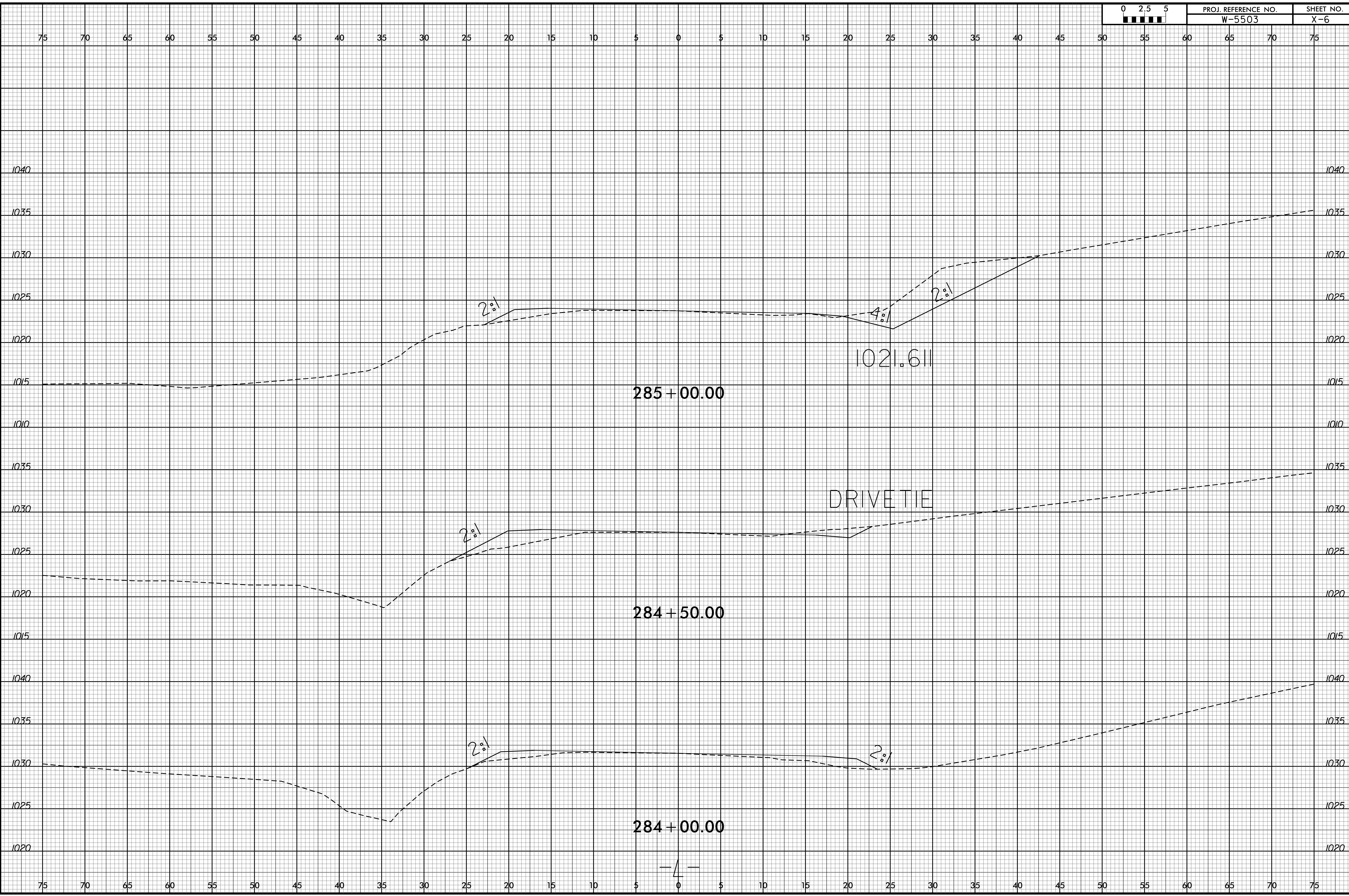


PROJ. REFERENCE NO.
W-5503

SHEET NO.
X-5

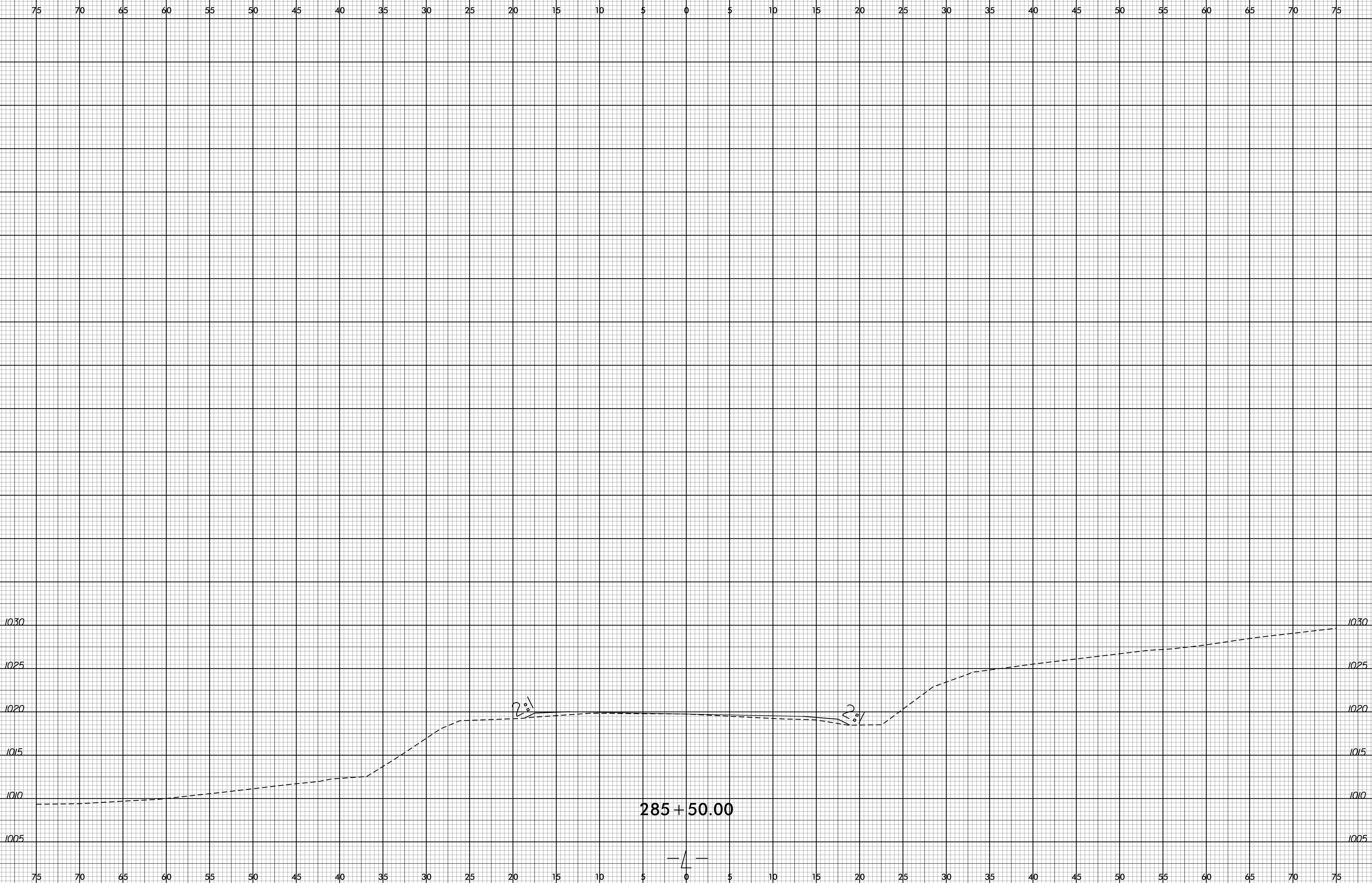


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8/23/99

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285 + 50.00

