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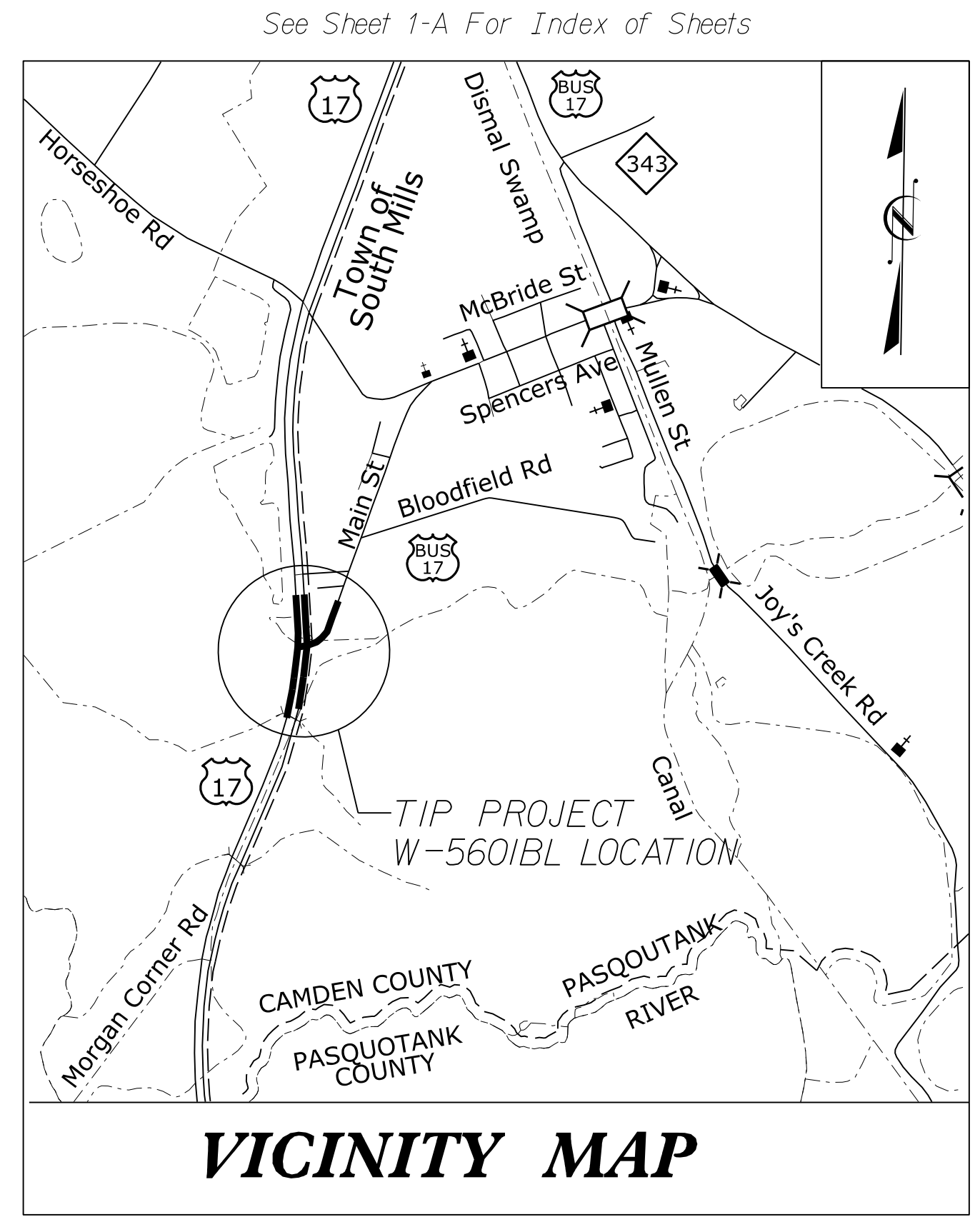
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5601BL	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

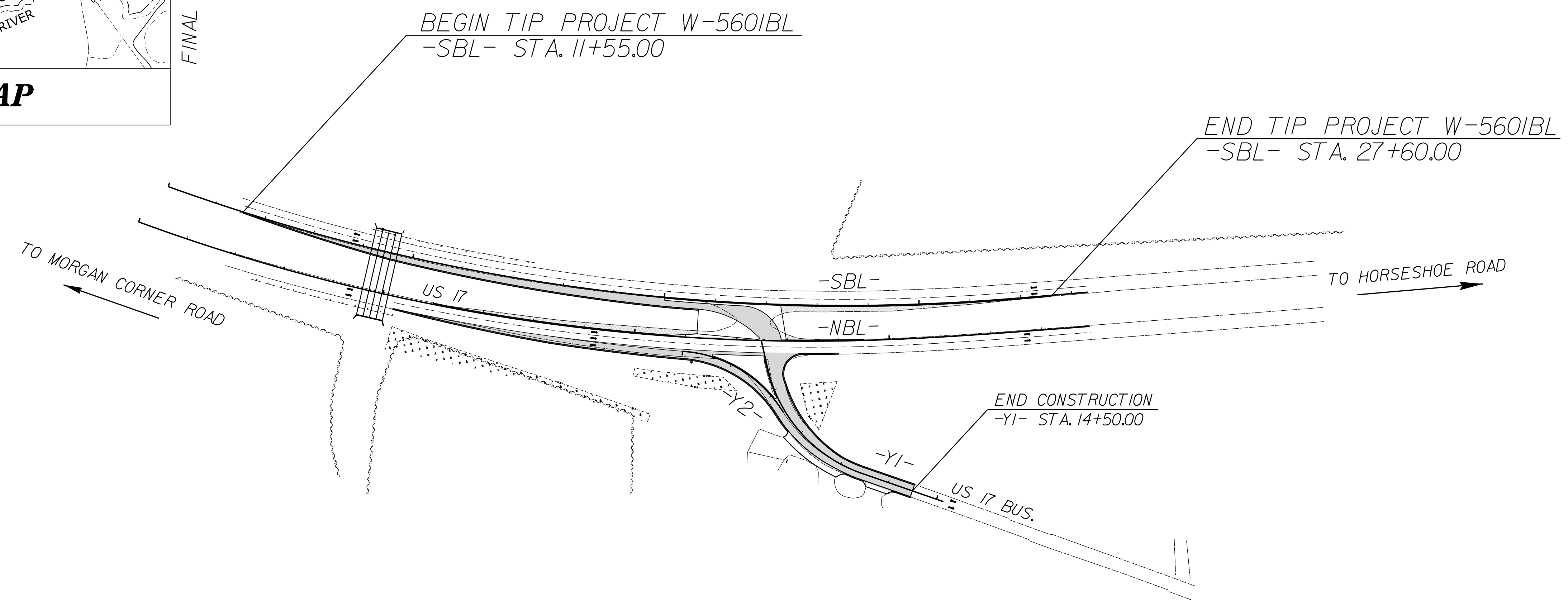
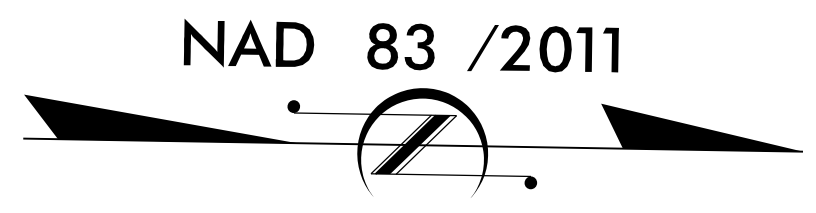
CAMDEN COUNTY

**LOCATION: INTERSECTION OF U.S. 17 AND U.S. 17 BUSINESS (MAIN STREET)
NEAR SOUTH MILLS**

**TYPE OF WORK: WIDENING, GRADING, PAVING, DRAINAGE, SIGNING,
AND PAVEMENT MARKING**



VICINITY MAP

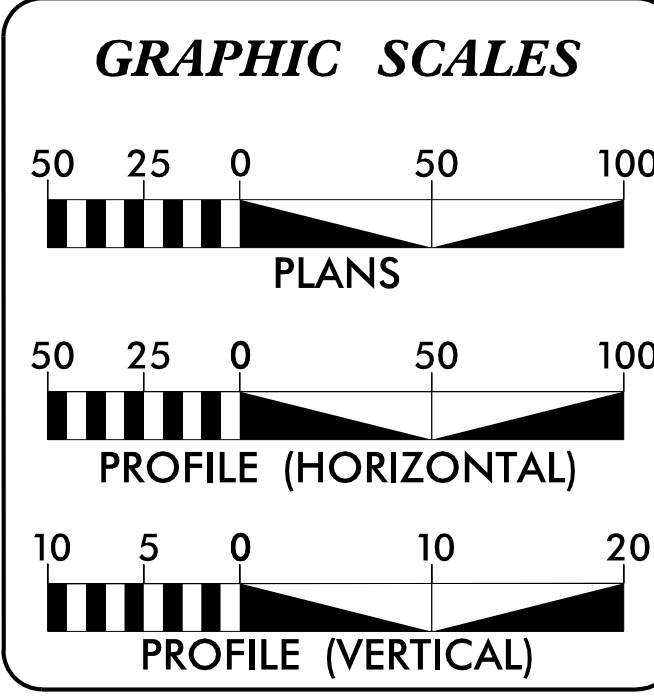


FINAL PLANS

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

TIP PROJECT: W-5601BL

CONTRACT: DA00297



DESIGN DATA

US17	ADT 2015 = 17,000
US17 BUS	ADT 2015 = 3,800

PROJECT LENGTH

LENGTH ROADWAY T.I.P. PROJECT W-5601BL	=	0.304 MILES
TOTAL LENGTH T.I.P. PROJECT W-5601BL	=	0.304 MILES

Prepared in the Office of:

ATKINS 1616 E. MILLBROOK ROAD, SUITE #310
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
MARCH 2016

CLINT MORGAN, P.E.
PROJECT ENGINEER

IAN BERDEAU, E.I.
PROJECT DESIGN ENGINEER

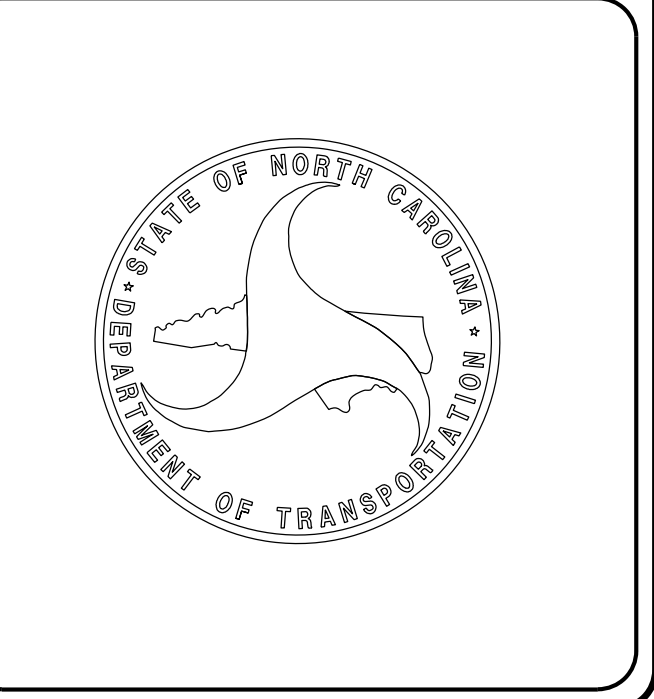
BARRY HOBBS, P.E.
NCDOT CONTACT

HYDRAULICS ENGINEER

DocuSigned by: [Signature] 2/15/2016 P.E.

ROADWAY DESIGN ENGINEER

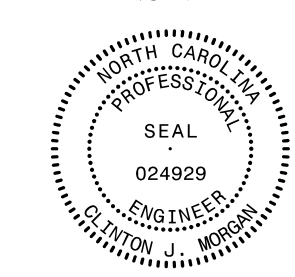
DocuSigned by: Clinton J. Morgan 2/15/2016 P.E.



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R:\Roadway\Proj\W5601L.TSH.dgn
\$\$\$\$\$SERNAME\$\$\$\$\$

PROJECT REFERENCE NO. <i>W-5601BL</i>	SHEET NO. <i>1A</i>
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ROADWAY DESIGN ENGINEER



DocuSigned by: *Clinton J. Morjan* 2/15/2016

**DOCUMENT NOT CONSIDERED FINAL
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SHEET NUMBER	INDEX OF SHEETS SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
1C-1	SURVEY CONTROL SHEETS
1D-1	CENTERLINE COORDINATE LIST
2A-1 THRU 2A-2	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2B-1	ROADWAY DETAILS
3B-1	ROADWAY SUMMARIES
4 THRU 6	PLAN AND PROFILE SHEET
EC-1 THRU EC-5	EROSION CONTROL PLANS
SIGN-1 THRU SIGN-4	SIGNING PLANS
X-1A THRU X-1B	CROSS-SECTION INDEX AND SUMMARY SHEET
X-1 THRU X-11	CROSS-SECTIONS

GENERAL NOTES:

2012 SPECIFICATIONS
EFFECTIVE: 01-17-2012
REVISED: 07-30-2012

EFF. 01-17-2012
REV. 10-30-2012

GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD 11.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01

SIDE ROADS:

THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

DRIVEWAYS:

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.02 USING 3' RADII OR RADII AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

EROSION CONTROL:

THE LOCATION AND PLACEMENT OF SAFETY FENCE TO PROTECT WETLAND AREAS ON PLAN SHEET EC-5 WILL BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION.

2012 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - 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.NO.	TITLE
DIVISION 2 - EARTHWORK	
200.02	Method of Clearing - Method 11
225.02	Guide for Grading Subgrade - Secondary and Local
225.04	Method of Obtaining Superelevation - Two Lane Pavement
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method 1
DIVISION 8 - INCIDENTALS	
840.00	Concrete Base Pad for Drainage Structures
840.18	Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.22	Frames and Wide Slot Sag Grates
840.72	Pipe Collar
848.02	Driveway Turnout - Radius Type
852.01	Concrete Islands

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale *S.U.E. = Subsurface Utility Engineering

04/06/15

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EIP
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	-WLB-
Proposed Wetland Boundary	-WLB-
Existing Endangered Animal Boundary	-EAB-
Existing Endangered Plant Boundary	-EPB-
Existing Historic Property Boundary	-HPB-
Known Contamination Area: Soil	☠ ☠
Potential Contamination Area: Soil	☒ ☒
Known Contamination Area: Water	☠ ☠
Potential Contamination Area: Water	☒ ☒
Contaminated Site: Known or Potential	☠ ☒

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	○ 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 C/A Marker	▲ C/A
Existing Control of Access	○ C/A
Proposed Control of Access	○ C/A
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	□ 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	○ P
Power Line Tower	□
Power Transformer	▣
U/G Power Cable Hand Hole	○
H-Frame Pole	●
U/G Power Line LOS B (S.U.E.*)	-----P-----
U/G Power Line LOS C (S.U.E.*)	-----P-----
U/G Power Line LOS D (S.U.E.*)	-----P-----

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	○ T
Telephone Pedestal	□
Telephone Cell Tower	⌋
U/G Telephone Cable Hand Hole	○ TH
U/G Telephone Cable LOS B (S.U.E.*)	-----T-----
U/G Telephone Cable LOS C (S.U.E.*)	-----T-----
U/G Telephone Cable LOS D (S.U.E.*)	-----T-----
U/G Telephone Conduit LOS B (S.U.E.*)	-----TC-----
U/G Telephone Conduit LOS C (S.U.E.*)	-----TC-----
U/G Telephone Conduit LOS D (S.U.E.*)	-----TC-----
U/G Fiber Optics Cable LOS B (S.U.E.*)	-----TFD-----
U/G Fiber Optics Cable LOS C (S.U.E.*)	-----TFD-----
U/G Fiber Optics Cable LOS D (S.U.E.*)	-----TFD-----

WATER:

Water Manhole	○ W
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line LOS B (S.U.E.*)	-----W-----
U/G Water Line LOS C (S.U.E.*)	-----W-----
U/G Water Line LOS D (S.U.E.*)	-----W-----
Above Ground Water Line	-----A/G Water-----

TV:

TV Pedestal	□
TV Tower	⊗
U/G TV Cable Hand Hole	○ TH
U/G TV Cable LOS B (S.U.E.*)	-----TV-----
U/G TV Cable LOS C (S.U.E.*)	-----TV-----
U/G TV Cable LOS D (S.U.E.*)	-----TV-----
U/G Fiber Optic Cable LOS B (S.U.E.*)	-----TV FO-----
U/G Fiber Optic Cable LOS C (S.U.E.*)	-----TV FO-----
U/G Fiber Optic Cable LOS D (S.U.E.*)	-----TV FO-----

GAS:

Gas Valve	◇
Gas Meter	⊕
U/G Gas Line LOS B (S.U.E.*)	-----G-----
U/G Gas Line LOS C (S.U.E.*)	-----G-----
U/G Gas Line LOS D (S.U.E.*)	-----G-----
Above Ground Gas Line	-----A/G Gas-----

SANITARY SEWER:

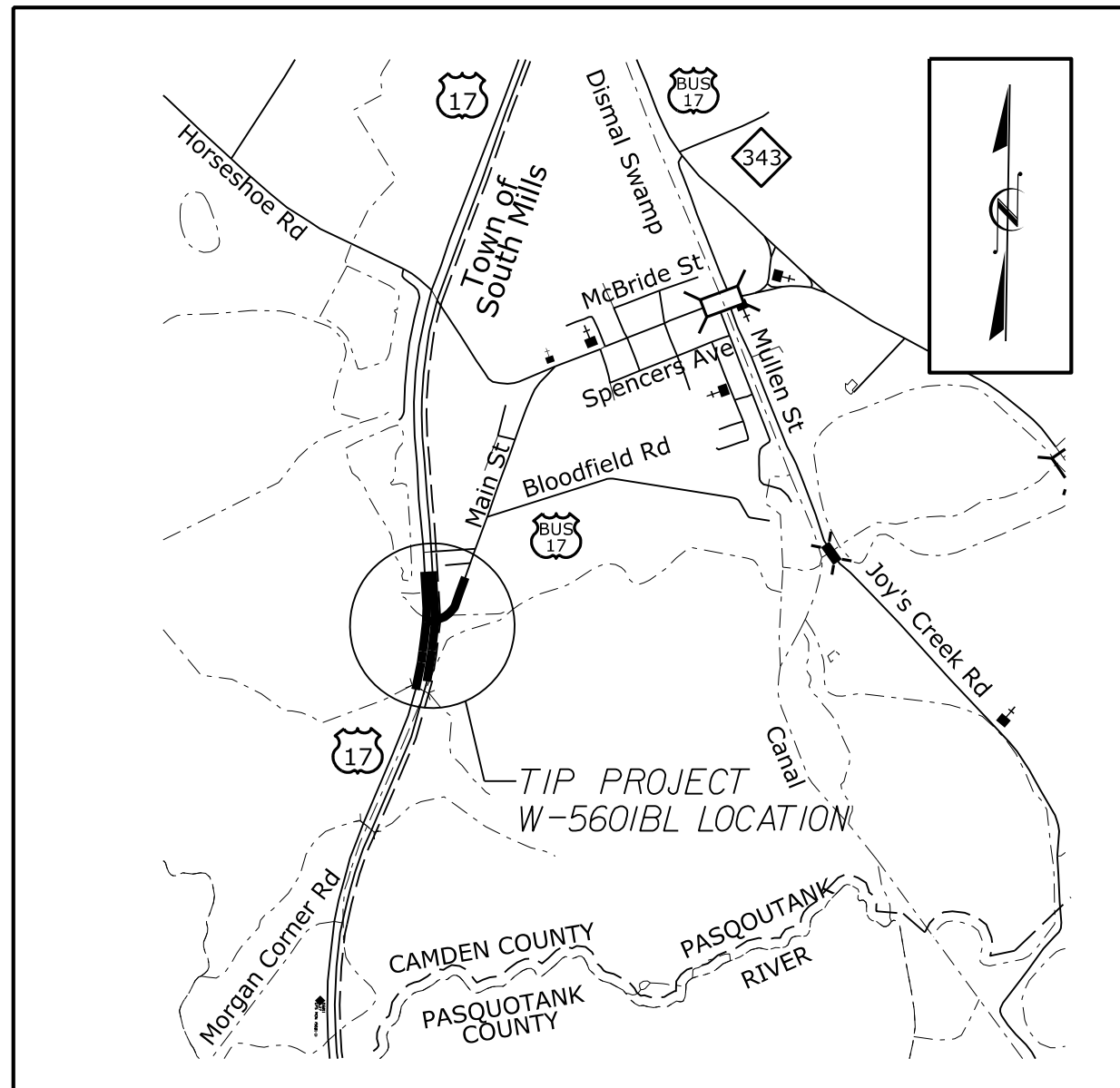
Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	-----SS-----
Above Ground Sanitary Sewer	-----A/G Sanitary Sewer-----
SS Forced Main Line LOS B (S.U.E.*)	-----FSS-----
SS Forced Main Line LOS C (S.U.E.*)	-----FSS-----
SS Forced Main Line LOS D (S.U.E.*)	-----FSS-----

MISCELLANEOUS:

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

	SHEET NO.
W-5601BL	IC-1
LOCATION AND SURVEYS	

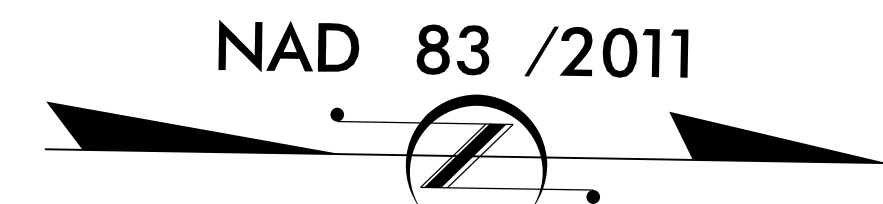
SURVEY CONTROL SHEET W-5601BL



VICINITY MAP

BL POINT	DESC.	NORTH	EAST	ELEVATION	SBL STATION	OFFSET
56011	GPS MON (5601-1)	986200.0140	2782362.5700	6.27	OUTSIDE PROJECT LIMITS	
56012	GPS MON (5601-2)	987197.2580	2782730.2470	8.48	12+42.18	18.13 RT
BL20	BL-20	988002.7870	2782968.1560	10.56	20+62.55	121.94 RT
BL21	BL-21	989119.0100	2782838.8290	7.98	OUTSIDE PROJECT LIMITS	

BY POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
EOBL20	BL-20	988002.7870	2782968.1560	10.56	10+10.37	142.75 RT
BY22	BY-22	988527.8380	2783266.7090	5.64	OUTSIDE PROJECT LIMITS	



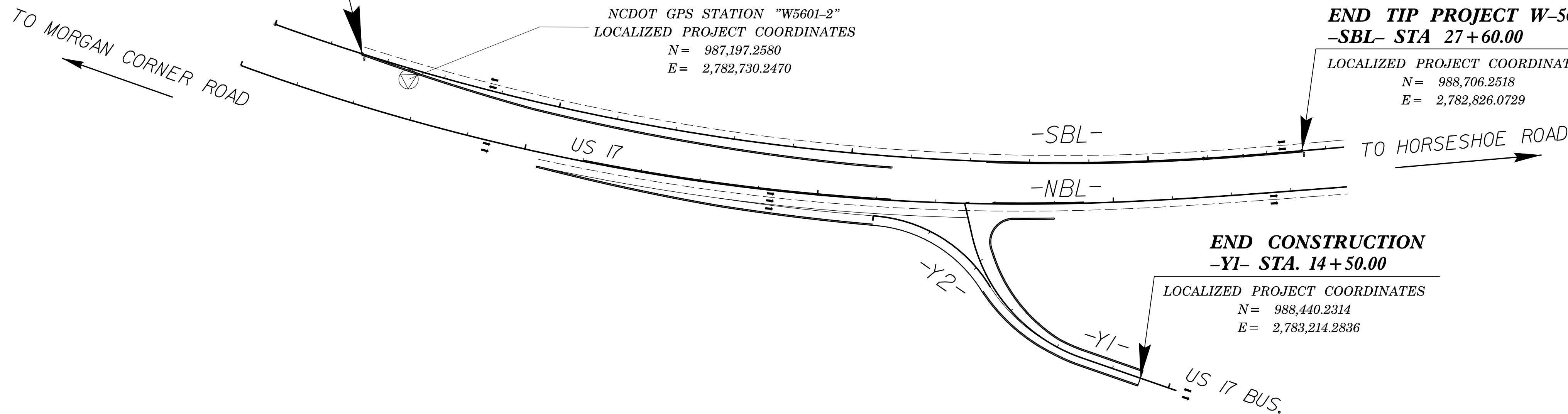
NCDOT GPS STATION "W5601-1"
 LOCALIZED PROJECT COORDINATES
 N = 986,200.0140
 E = 2,782,362.5700

BEGIN TIP PROJECT W-5601BL
-SBL- STA 11+55.00
 LOCALIZED PROJECT COORDINATES
 N = 987,118.3032
 E = 2,782,688.6552

NCDOT GPS STATION "W5601-2"
 LOCALIZED PROJECT COORDINATES
 N = 987,197.2580
 E = 2,782,730.2470

END TIP PROJECT W-5601BL
-SBL- STA 27+60.00
 LOCALIZED PROJECT COORDINATES
 N = 988,706.2518
 E = 2,782,826.0729

END CONSTRUCTION
-Y1- STA 14+50.00
 LOCALIZED PROJECT COORDINATES
 N = 988,440.2314
 E = 2,783,214.2836



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "5601-2"
 WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
 NORTHING: 987197.2580 (ft) EASTING: 2782730.2470 (ft)
 ELEVATION: 8.48 (ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.0000907844
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "5601-2" TO -SBL- STATION 11+55.00 IS
 S 27°46'45.72" W 89.24 (FT)
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

NOTE: DRAWING NOT TO SCALE

NOTES:

THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:
[HTTP://WWW.NCDOT.GOV/DOH/PRECONSTRUCT/HIGHWAY/LOCATION/PROJECT/](http://www.ncdot.gov/DOH/PRECONSTRUCT/HIGHWAY/LOCATION/PROJECT/)

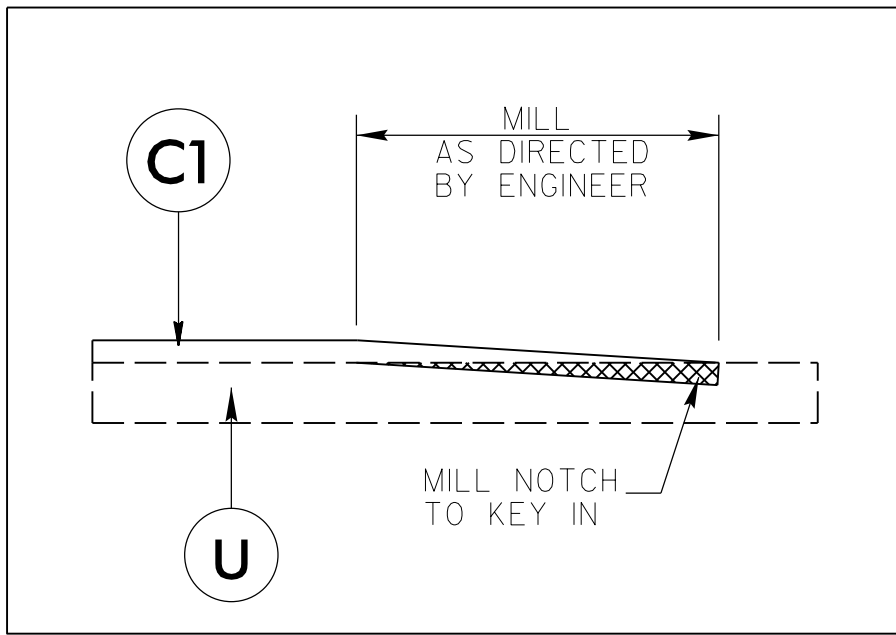
THE FILES TO BE FOUND ARE AS FOLLOWS:
 TIP W5601BL_LS_CONTROL.TXT

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

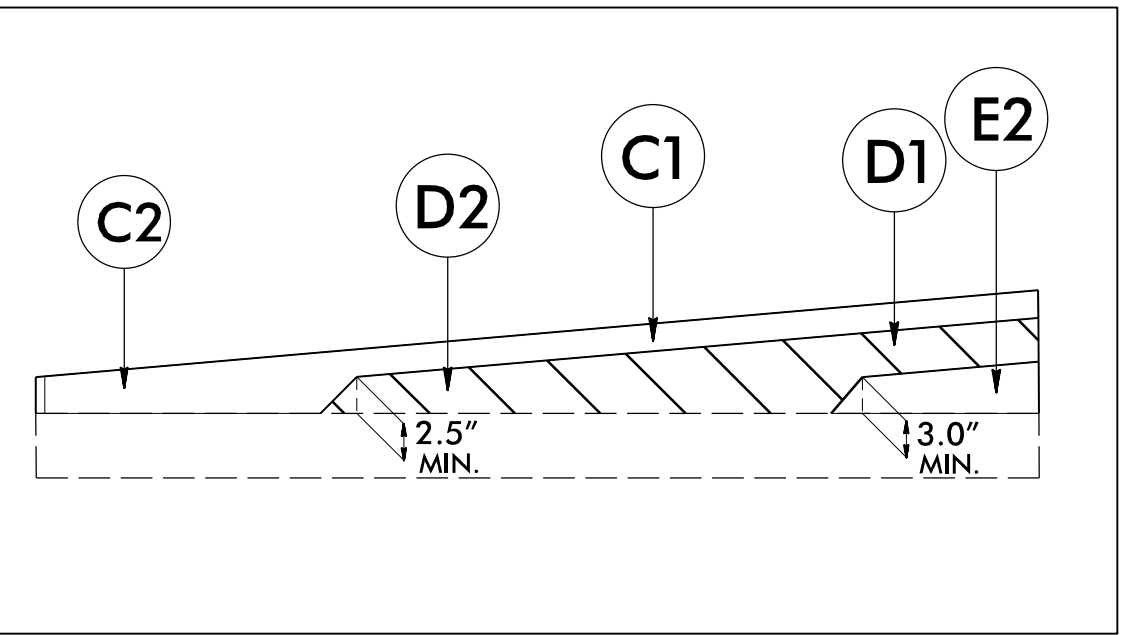
⊕ INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT.
 PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.

PAVEMENT SCHEDULE (PRELIMINARY PAVEMENT DESIGN)	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	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 LESS THAN 1.5" OR GREATER THAN 2" IN DEPTH.
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
D2	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 2.5" OR GREATER THAN 4" DEPTH.
E1	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
E2	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0, 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 5.5" IN DEPTH.
T	EARTH MATERIAL
U	EXISTING PAVEMENT
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAIL)

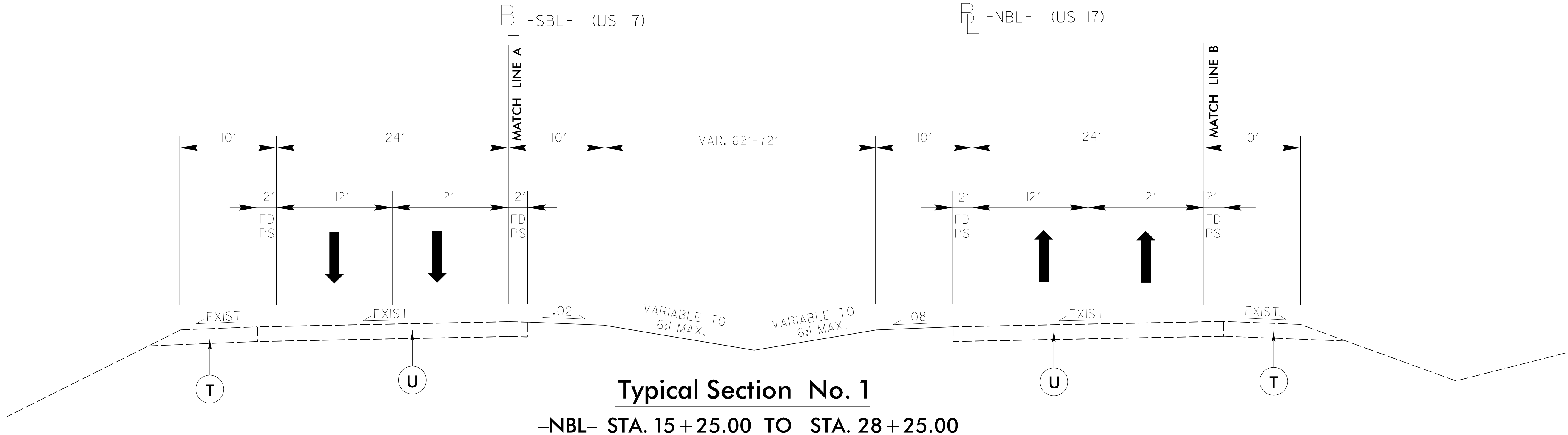
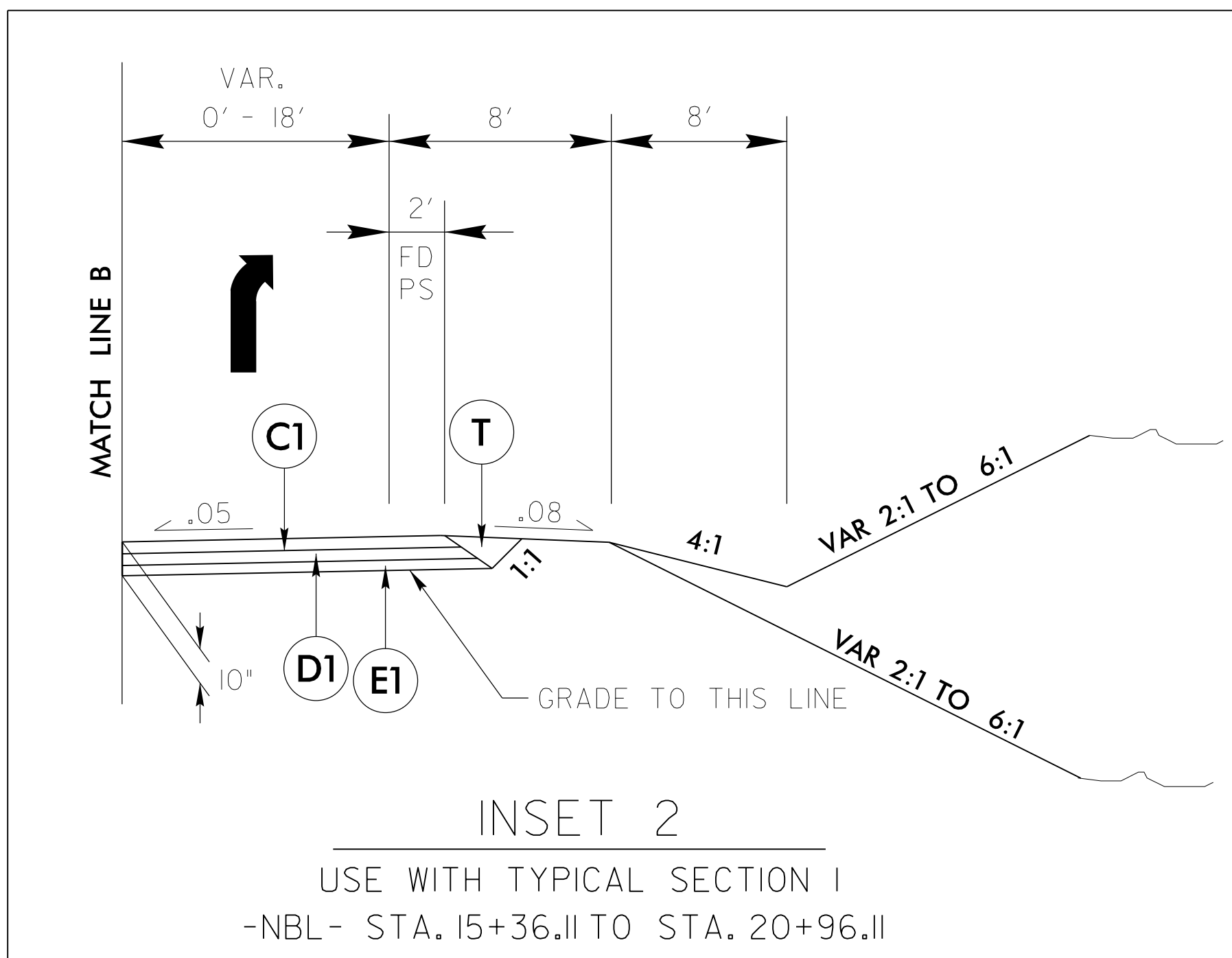
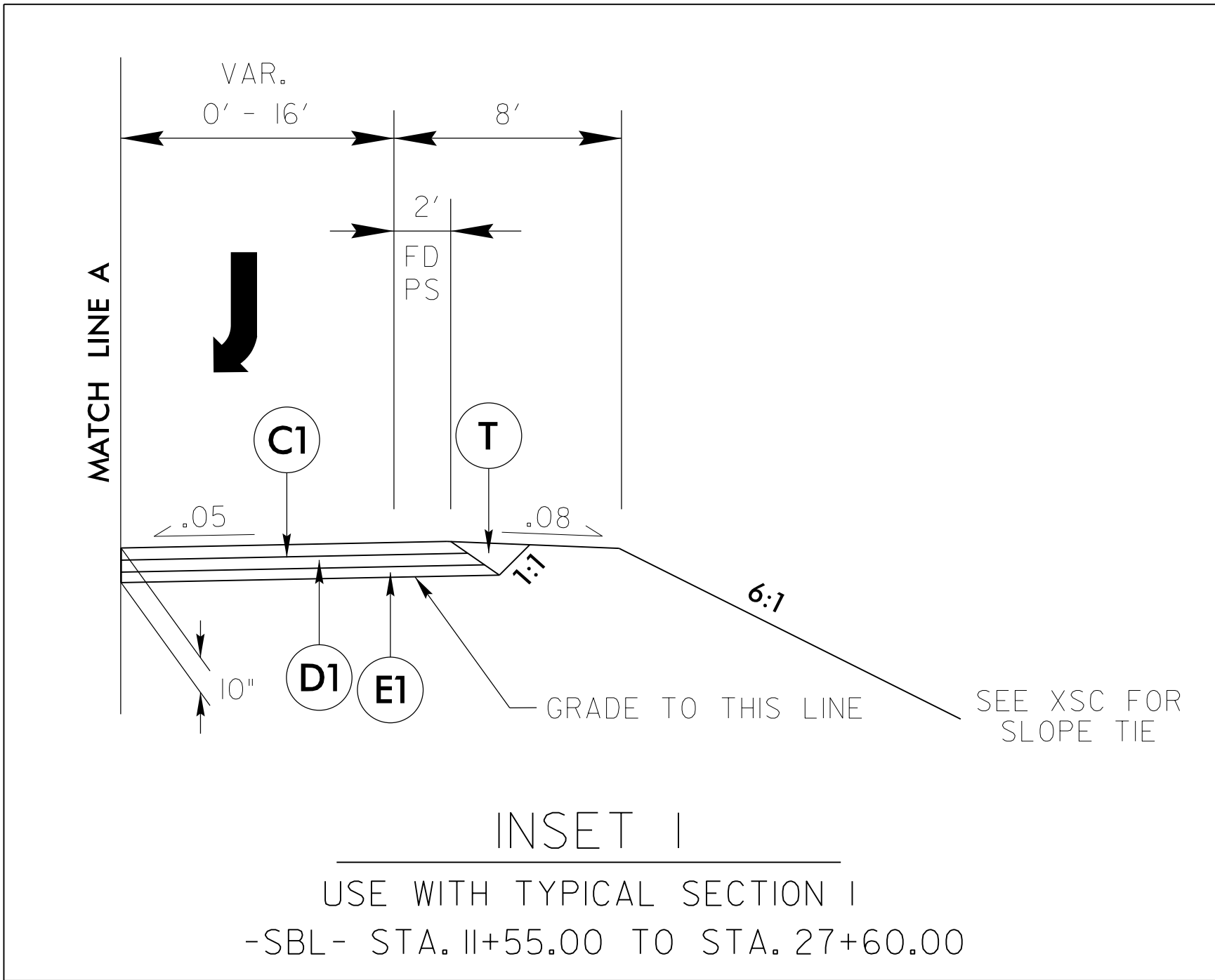
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



DETAIL OF INCIDENTAL MILLING

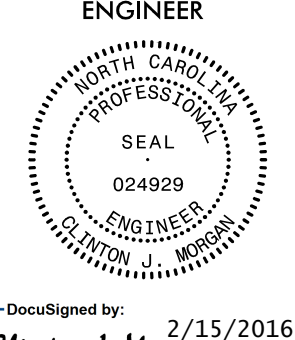


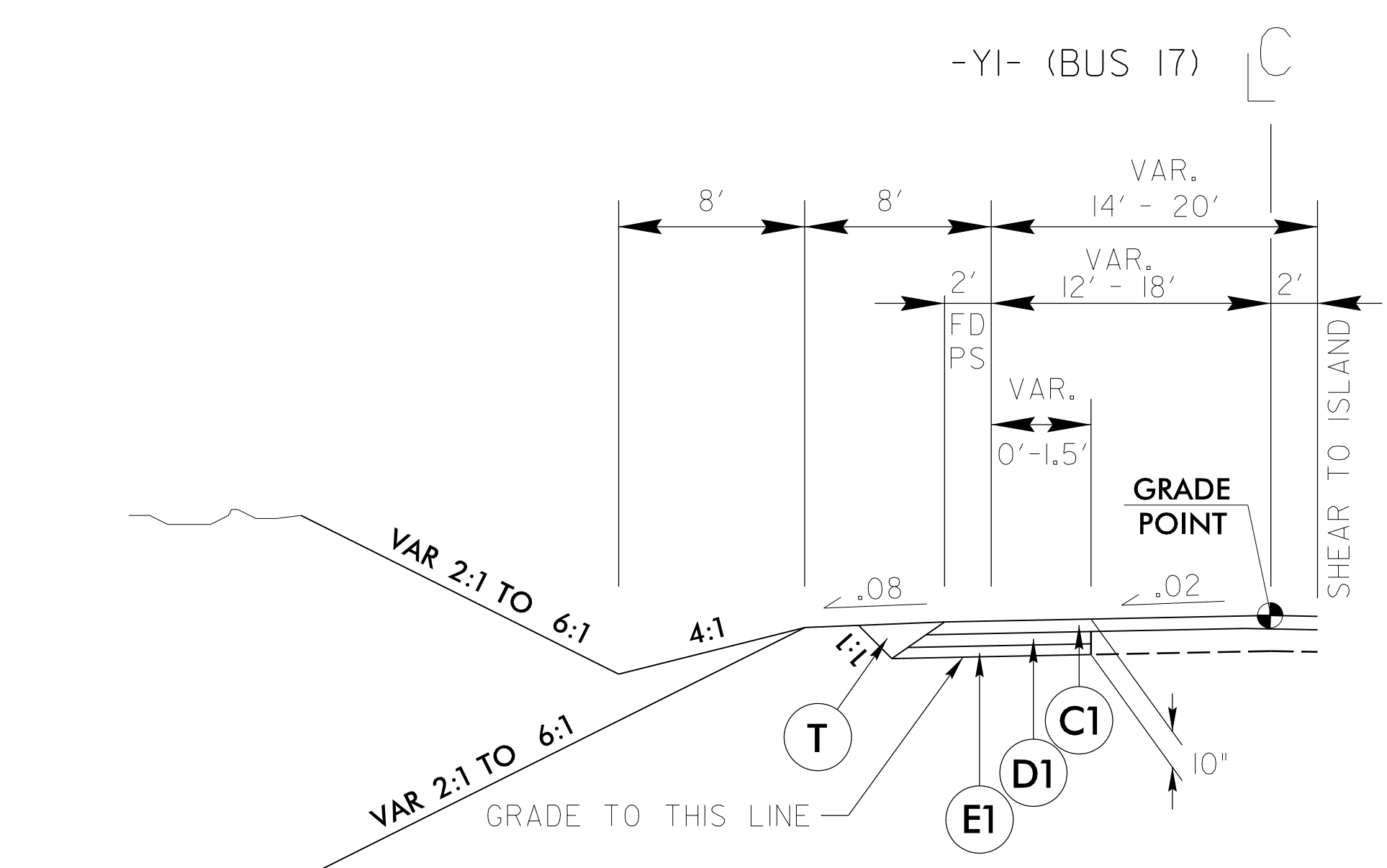
WEDGING DETAIL FOR RESURFACING



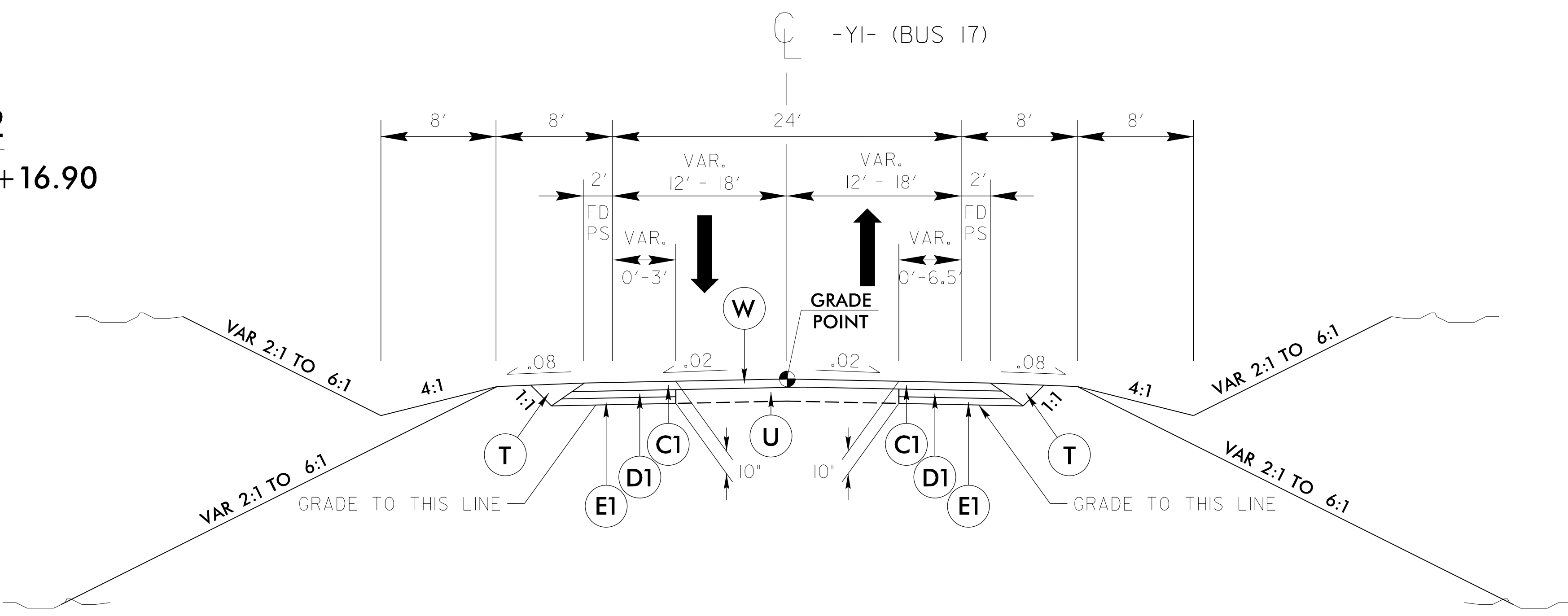
PROJECT REFERENCE NO. W-560/BL	SHEET NO. 2A-1
ROADWAY DESIGN ENGINEER SEAL 024929 CLINTON J. MORFITT	PAVEMENT DESIGN ENGINEER
Declassified by: 2/15/2016 Clinton J. Morfitt E: CCR03048100488	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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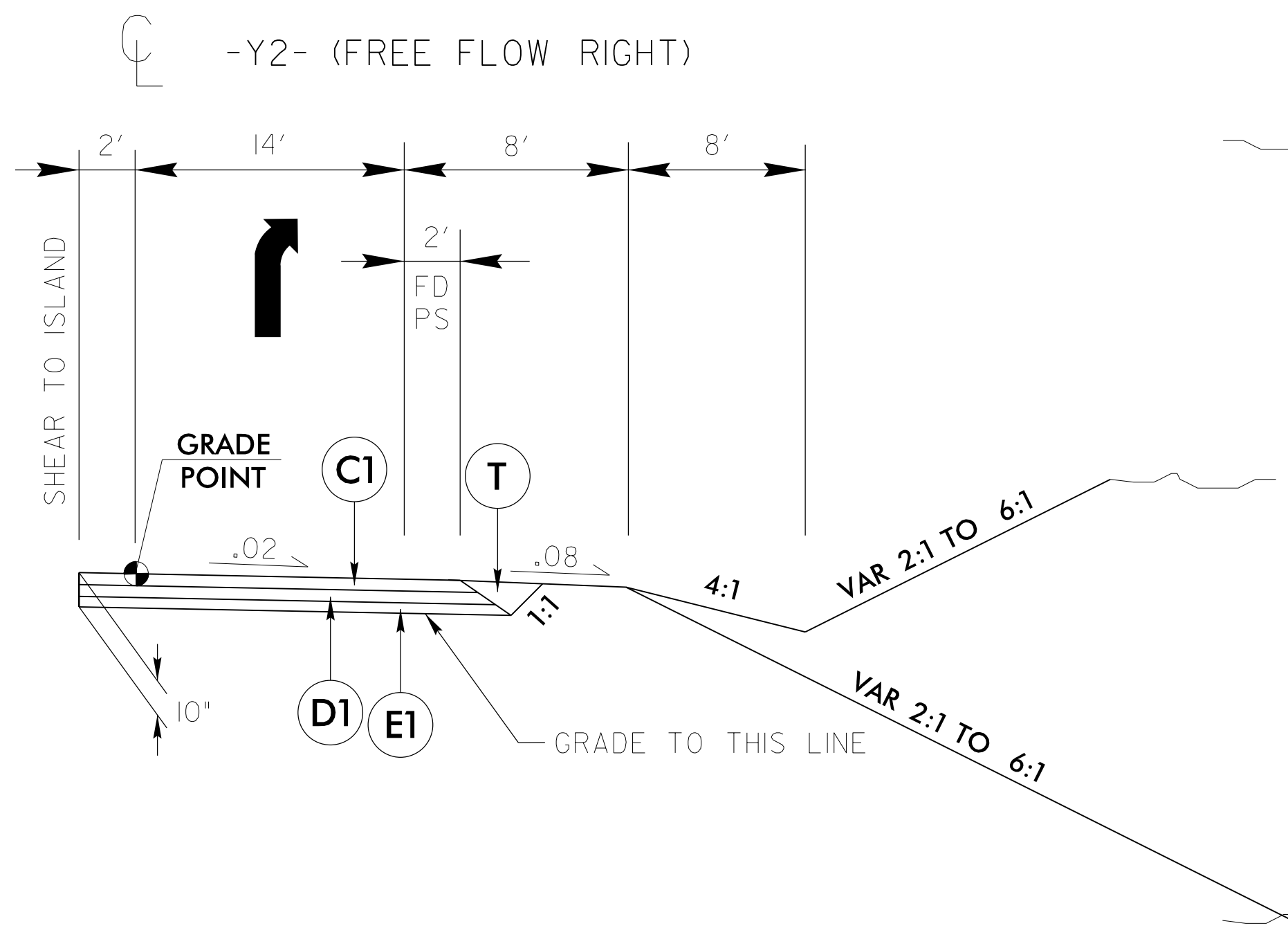
PROJECT REFERENCE NO.	SHEET NO.
W-560/BL	2A-2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
 SEAL CLINTON J. MORGAN 024929 ENGINEER NORTH CAROLINA	
DocuSigned by: Clinton J. Morgan 2/15/2016 <small>ECOROUS100188</small>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



Typical Section No. 2
-Y1- STA. 10+24.76 TO STA. 11+16.90



Typical Section No. 3
-Y1- STA. 11+16.90 TO STA. 14+50.00



Typical Section No. 4
-Y2- STA. 10+00.00 TO STA. 12+40.30

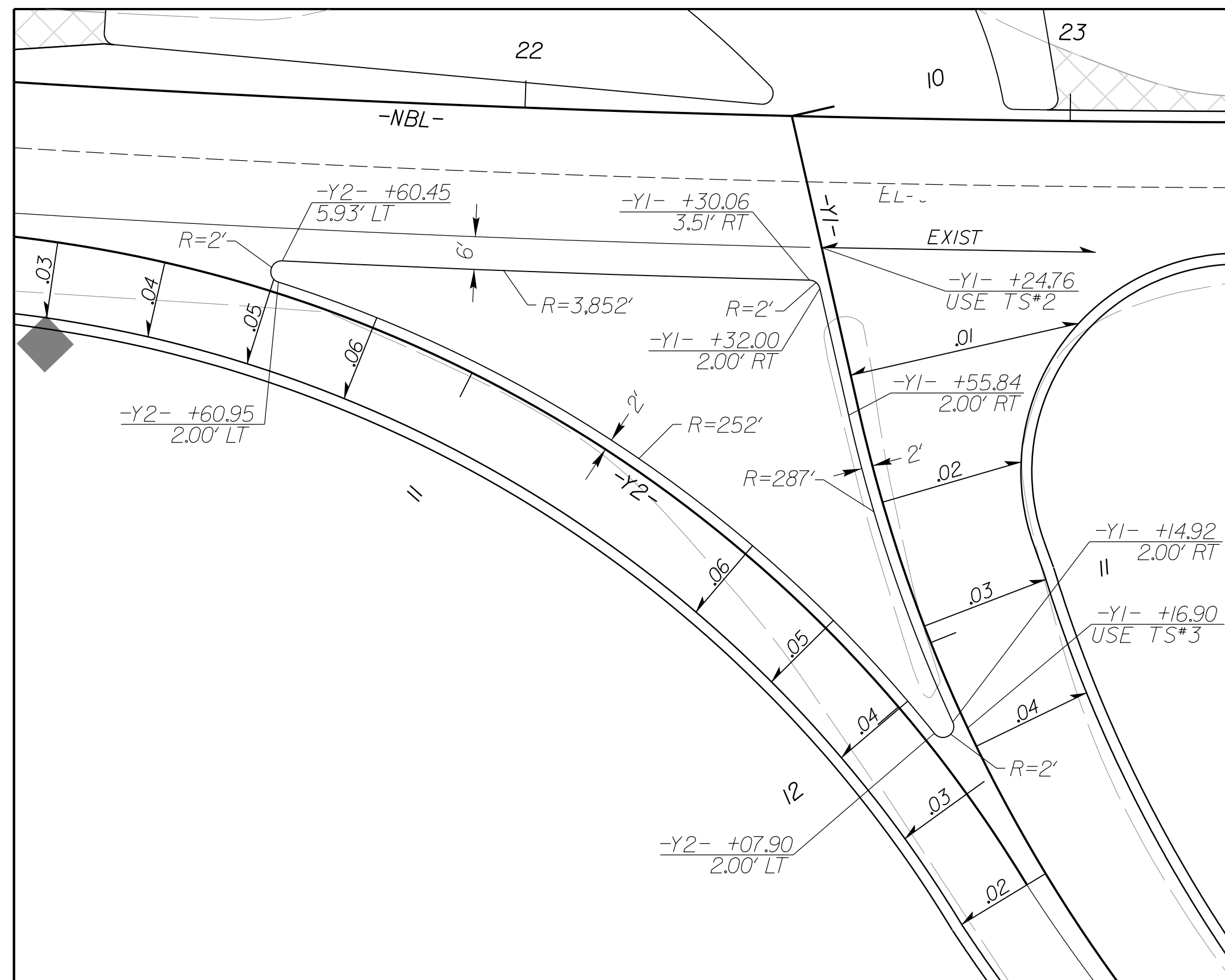
PAVEMENT SCHEDULE	
C1	1.5" TYPE S9.5B
D1	3" TYPE I19.0B
E1	5.5" TYPE B25.0B
T	EARTH MATERIAL
U	EXISTING PAVEMENT
W	WEDGING

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

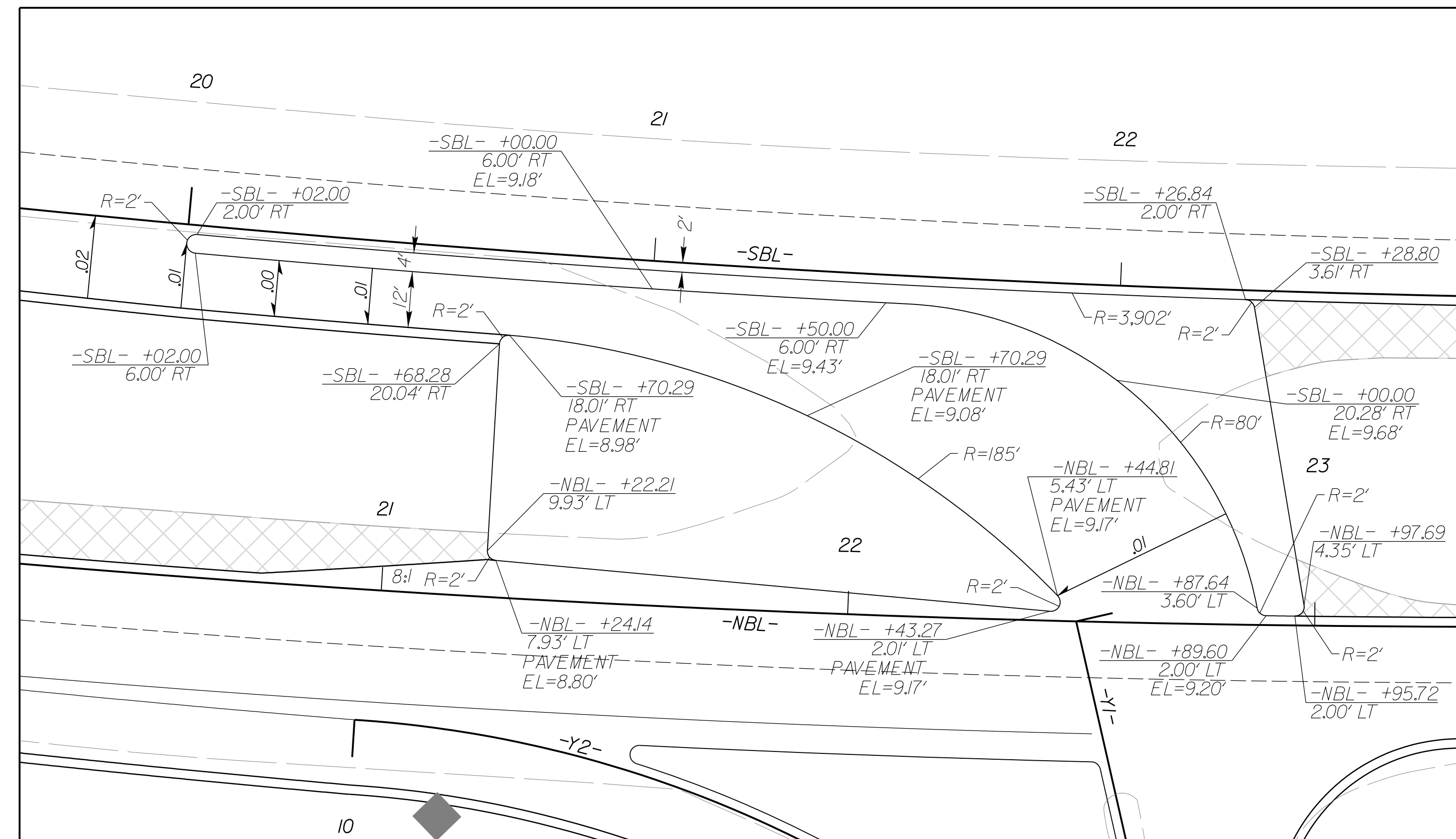
PROJECT REFERENCE NO. W-560/BL		SHEET NO. 2B-1	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DocuSigned by: 2/15/2016 Clinton J. Morgan		DocuSigned by: 2/15/2016 Robert G. ...	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

Intersection Details

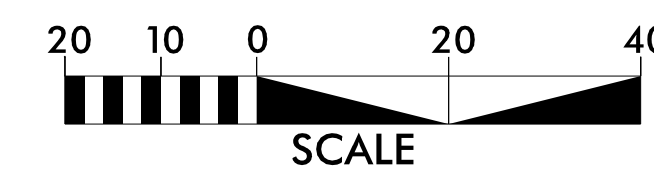
Detail No. 1



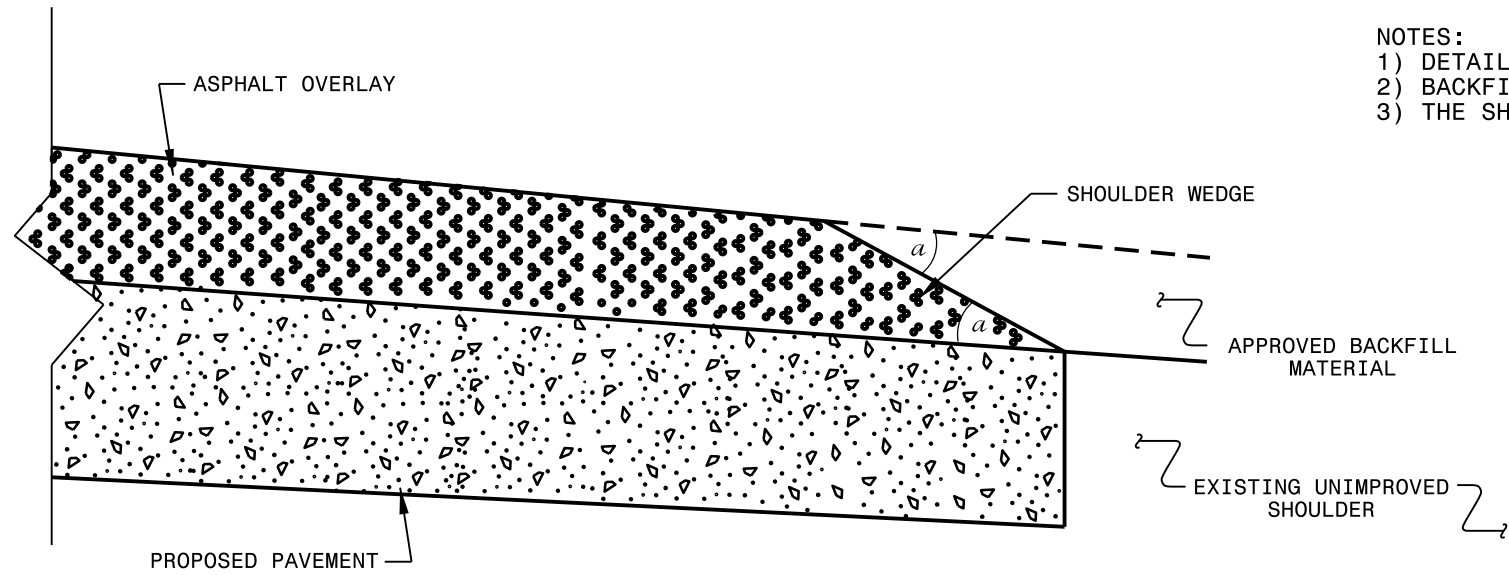
Detail No. 2



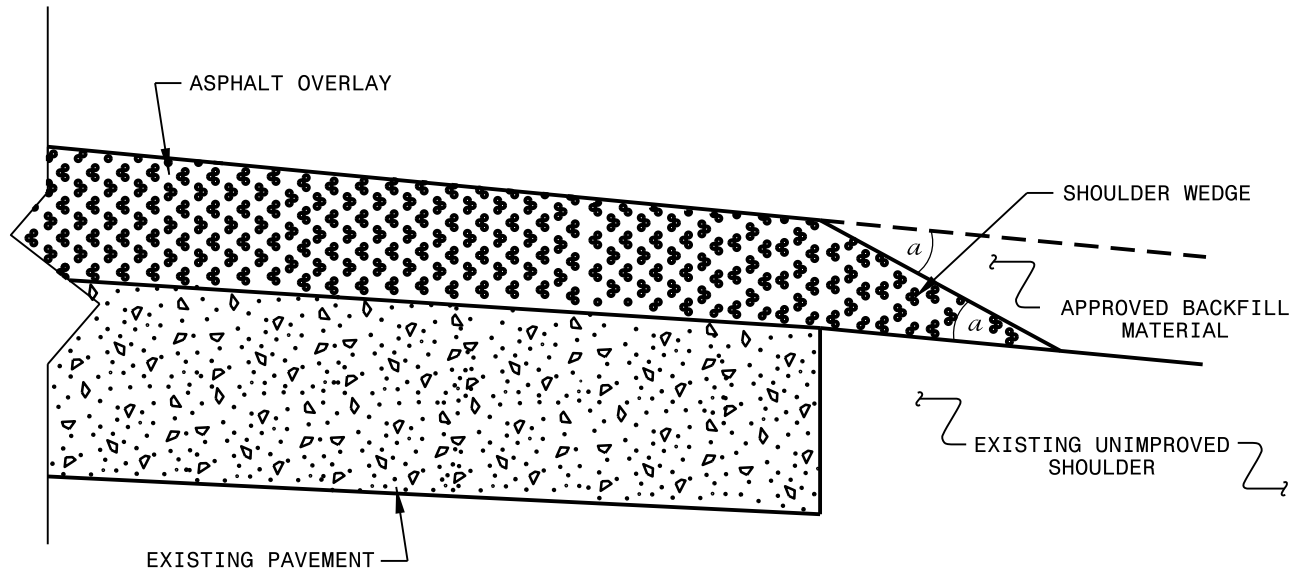
PAVEMENT REMOVAL



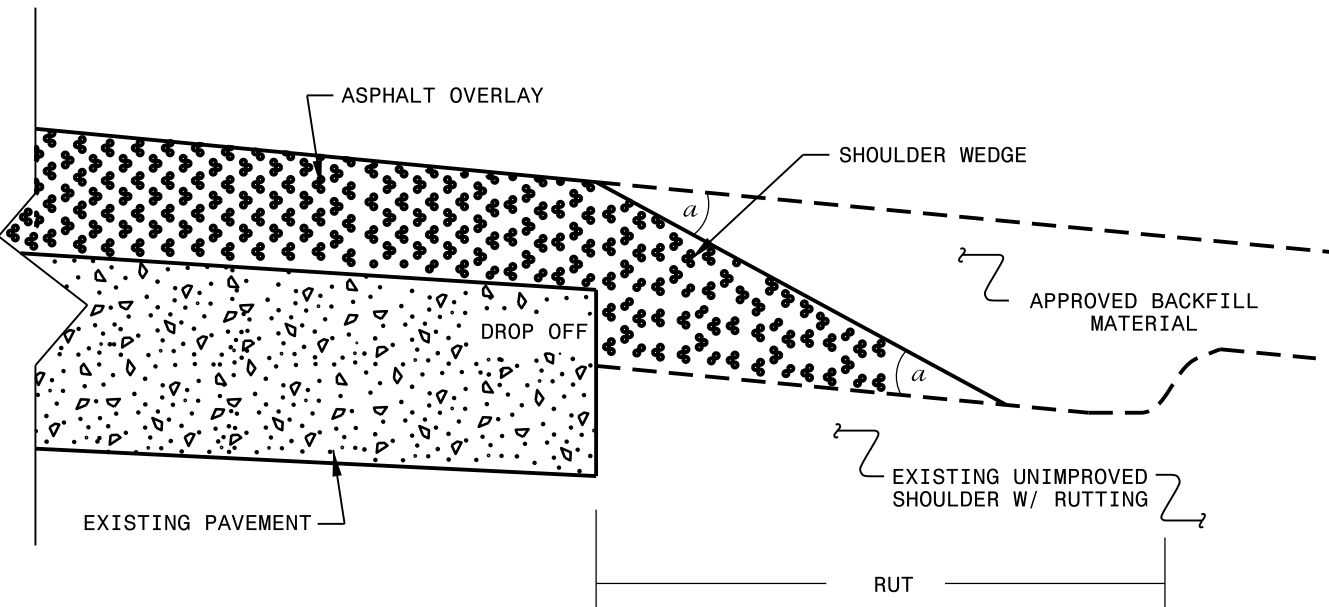
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or
 with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



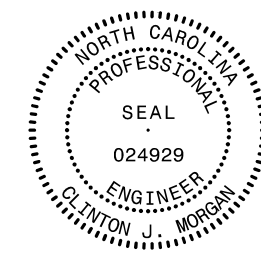
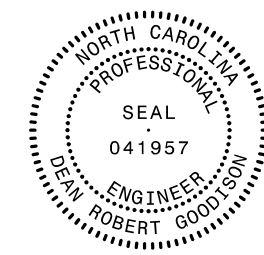
SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

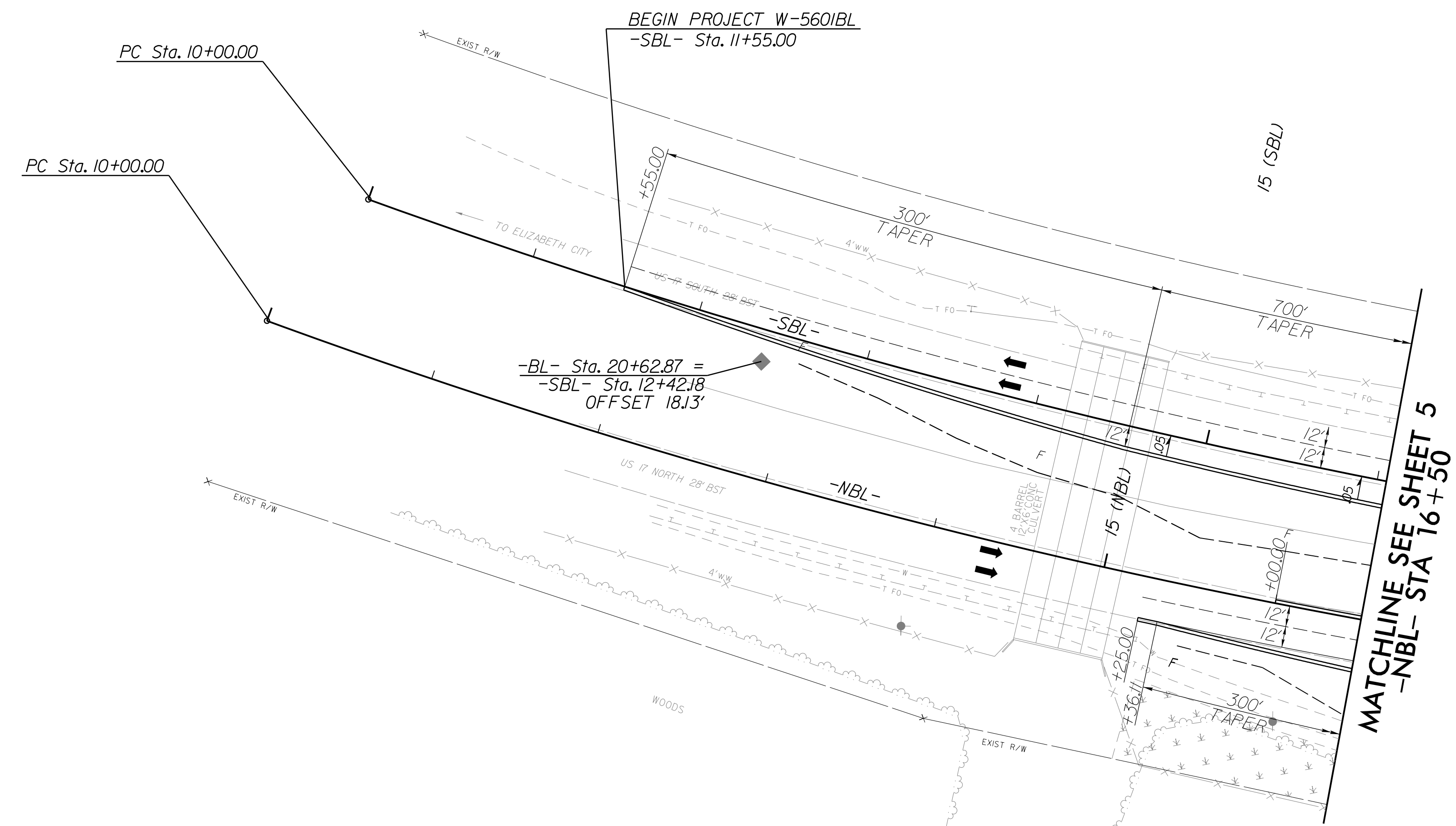
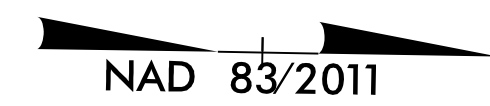
- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
SHOULDER WEDGE DETAILS	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 10/16/12
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn	

DRAWN BY: JWC

5/14/99

PROJECT REFERENCE NO. <i>W-560IBL</i>	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	
DocuSigned by: <i>Clinton J. Morgan</i> 2/15/2016	DocuSigned by: <i>Robert J. Giddens</i> 2/15/2016
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



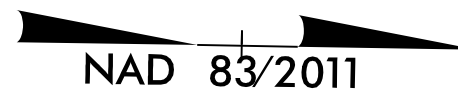
-NBL-		-SBL-	
PI Sta 17+26.09	PIs Sta 25+68.45	PI Sta 18+08.13	PIs Sta 26+60.37
$\Delta = 21^{\circ} 30' 48.2''$ (LT)	$\Theta_s = 2^{\circ} 59' 53.6''$	$\Delta = 23^{\circ} 24' 48.4''$ (LT)	$\Theta_s = 1^{\circ} 28' 08.8''$
$D = 1^{\circ} 29' 56.8''$	$L_s = 400.00'$	$D = 1^{\circ} 28' 08.8''$	$L_s = 200.00'$
$L = 1,435.08'$	$LT = 266.70'$	$L = 1,593.70'$	$LT = 133.34'$
$T = 726.09'$	$ST = 133.37'$	$T = 808.13'$	$ST = 66.67'$
$R = 3,822.00'$		$R = 3,900.00'$	

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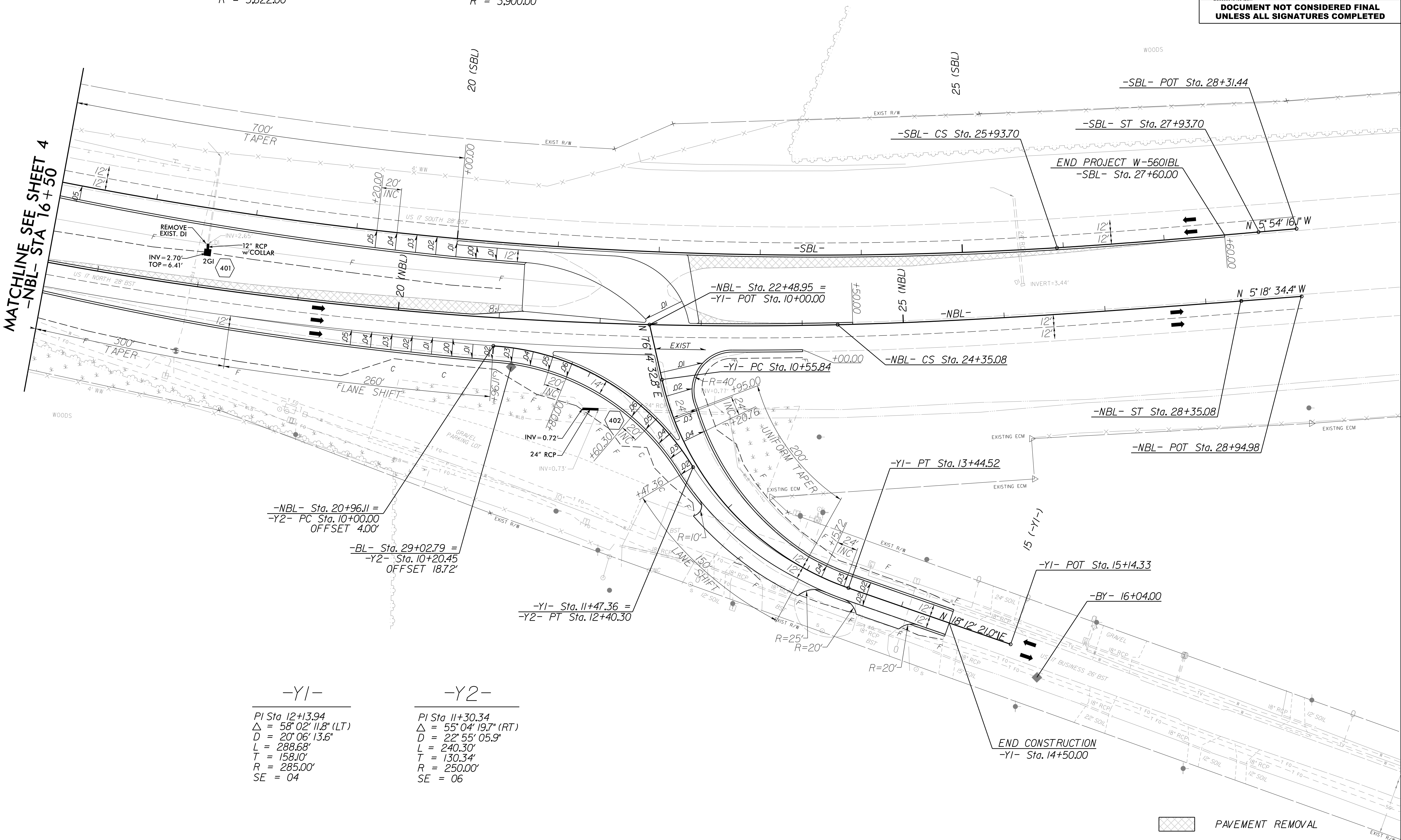
5/14/99

PROJECT REFERENCE NO. W-5601BL		SHEET NO. 5	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DocuSigned by: Clinton J. Morgan 2/15/2016		DocuSigned by: [Name] 2/15/2016	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

-NBL-		-SBL-	
PI Sta 17+26.09	PIs Sta 25+68.45	PI Sta 18+08.13	PIs Sta 26+60.37
$\Delta = 21' 30" 48.2" (LT)$	$\Theta_s = 2' 59" 53.6"$	$\Delta = 23' 24" 48.4" (LT)$	$\Theta_s = 1' 28" 08.8"$
$D = 1' 29" 56.8"$	$L_s = 400.00'$	$D = 1' 28" 08.8"$	$L_s = 200.00'$
$L = 1,435.08'$	$LT = 266.70'$	$L = 1,593.70'$	$LT = 133.34'$
$T = 726.09'$	$ST = 133.37'$	$T = 808.13'$	$ST = 66.67'$
$R = 3,822.00'$		$R = 3,900.00'$	



MATCHLINE SEE SHEET 4
-NBL- STA 16+50



-Y1-		-Y2-	
PI Sta 12+13.94	PI Sta 11+30.34	PI Sta 11+30.34	PI Sta 11+30.34
$\Delta = 58' 02" 11.8" (LT)$	$\Delta = 20' 06" 13.6"$	$\Delta = 55' 04" 19.7" (RT)$	$\Delta = 55' 04" 19.7" (RT)$
$D = 20' 06" 13.6"$	$L = 288.68'$	$D = 22' 55" 05.9"$	$D = 22' 55" 05.9"$
$L = 288.68'$	$T = 158.10'$	$L = 240.30'$	$L = 240.30'$
$T = 158.10'$	$R = 285.00'$	$T = 130.34'$	$T = 130.34'$
$R = 285.00'$	$SE = 04$	$R = 250.00'$	$R = 250.00'$
		$SE = 06$	$SE = 06$

PAVEMENT REMOVAL

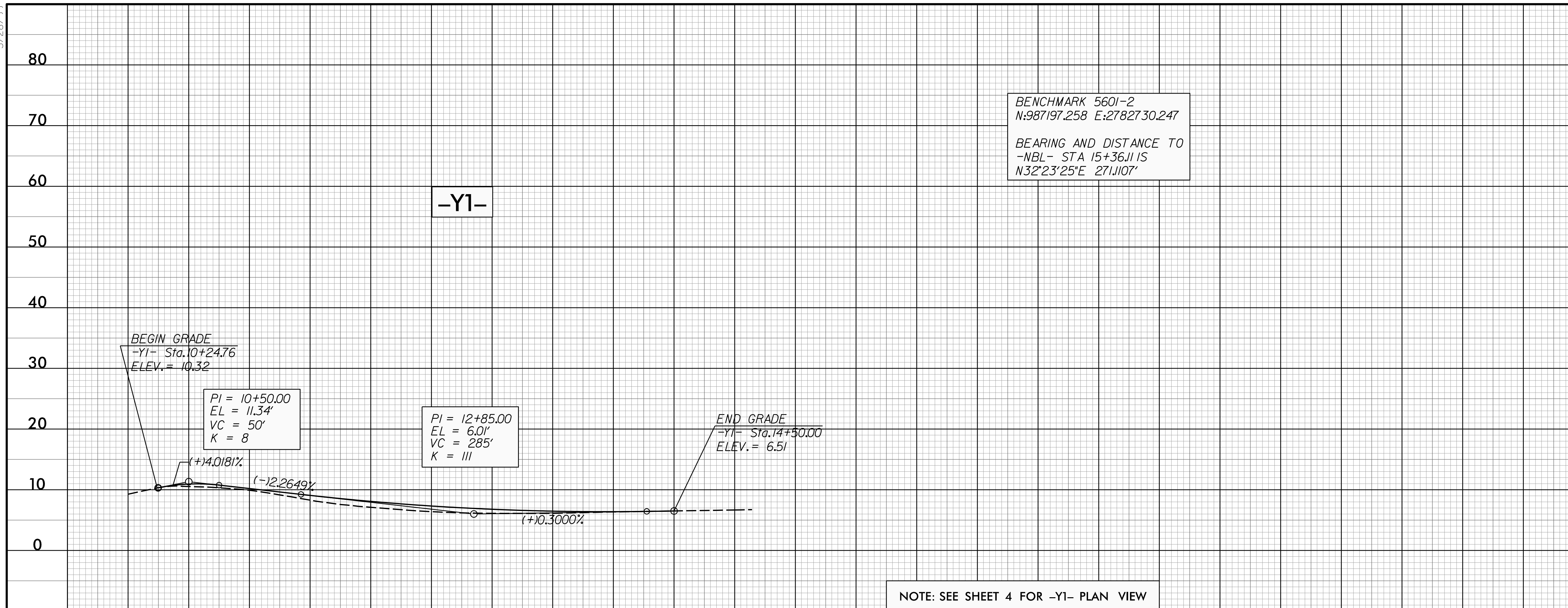
NOTE: SEE SHEET 2A-3 FOR INTERSECTION DETAILS

NOTE: SEE SHEET 6 FOR -Y1- AND -Y2- PROFILE VIEW

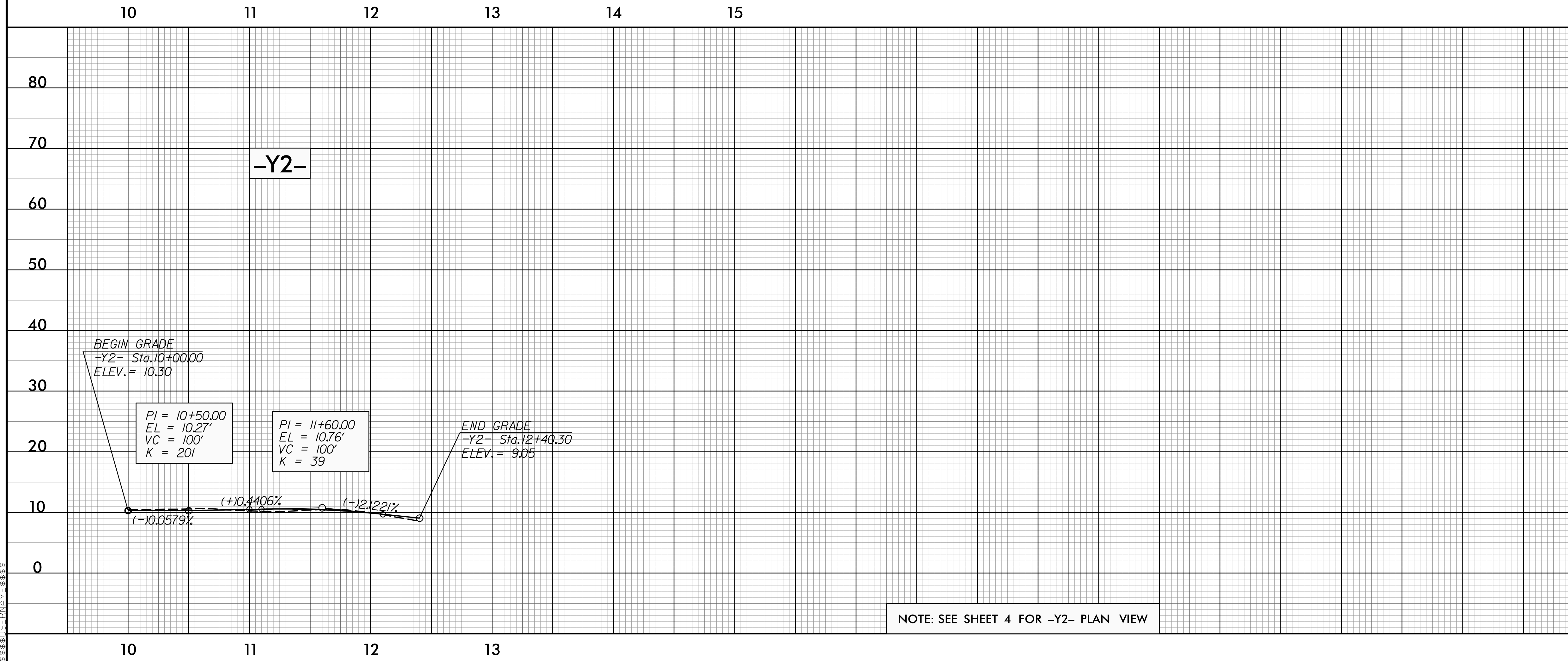
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5/28/19

PROJECT REFERENCE NO. W-5601BL	SHEET NO. 6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DocuSigned by: Clinton J. Morgan 2/15/2016	DocuSigned by: Robert G. Bostick 2/15/2016
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



NOTE: SEE SHEET 4 FOR -Y1- PLAN VIEW

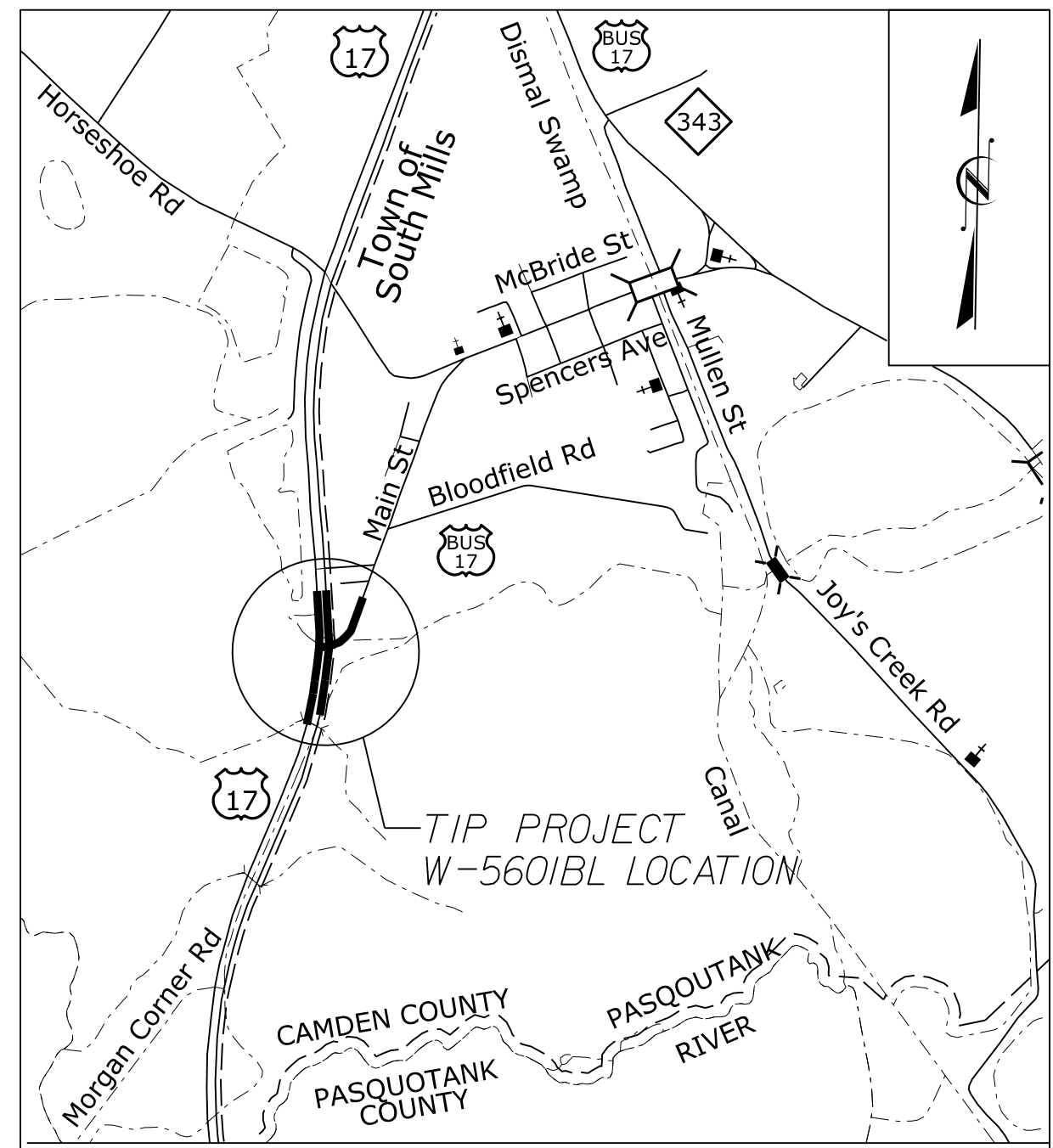


NOTE: SEE SHEET 4 FOR -Y2- PLAN VIEW

12-FEB-2016 16:13 \\W5601-PFL_PSH_6.dgn

TIP PROJECT: W-5601BL

See Sheet 1-A For Index of Sheets



VICINITY MAP

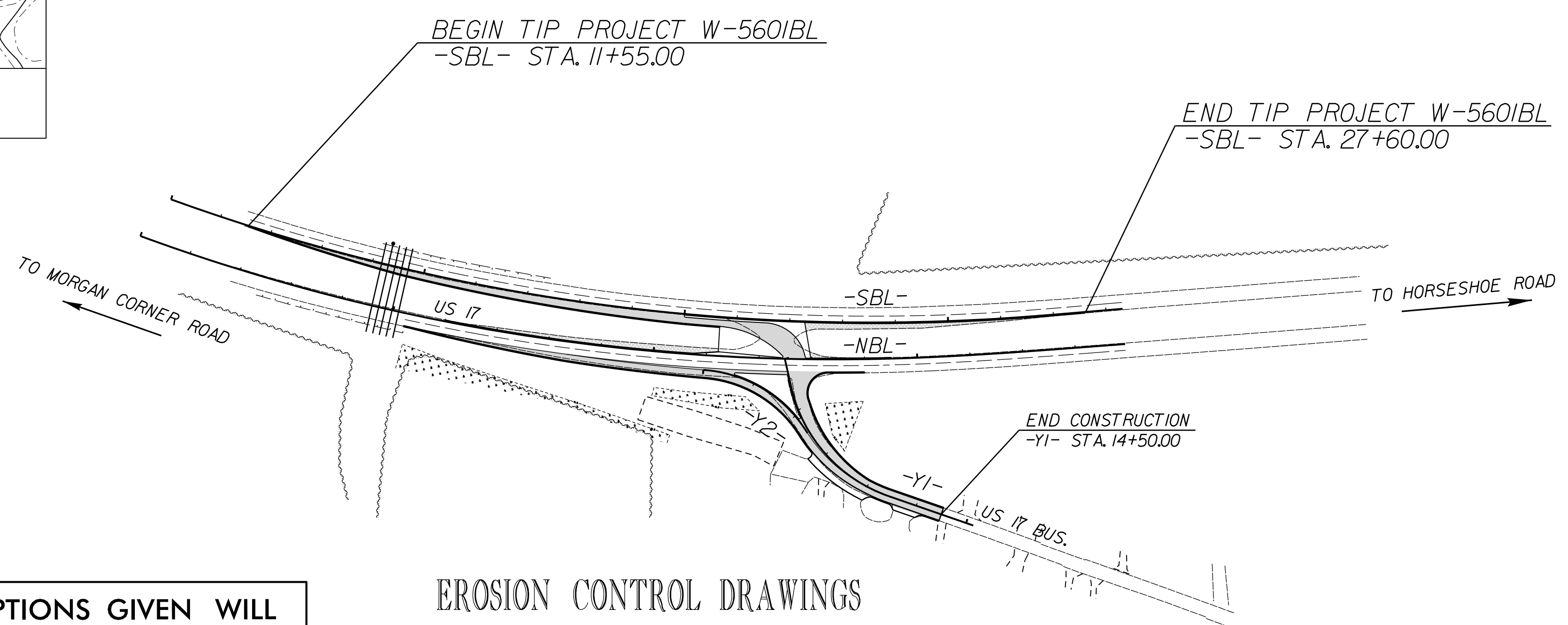
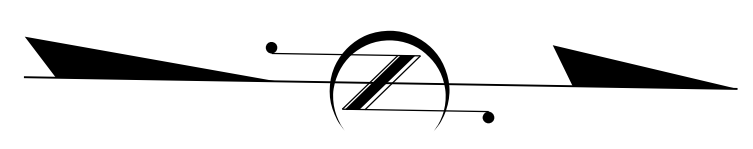
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CAMDEN COUNTY

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

LOCATION: INTERSECTION OF U.S. 17 AND U.S. 17 BUSINESS (MAIN STREET)
NEAR SOUTH MILLS

TYPE OF WORK: WIDENING, GRADING, PAVING, DRAINAGE, SIGNING,
PAVEMENT MARKING, AND UTILITIES



EROSION CONTROL DRAWINGS

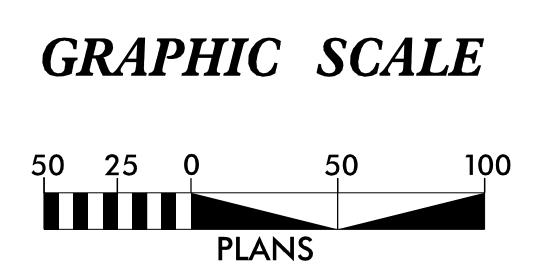
INDEX OF SHEETS

- EC-1 TITLE SHEET/LEGEND
- EC-2 DETAIL: SILT FENCE WATTLE BREAK
- EC-3 SOIL STABILIZATION TIMEFRAMES
- EC-4 - EC-5 INTERMEDIATE/FINAL PLAN

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL
REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY
NEED TO BE INSTALLED AS DIRECTED BY THE
ENGINEER.

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II



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:
ATKINS 1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
(919) 876-6888 NCBES #F-0326

Designed by:
JOHN F. OGLESBY, PE, CPESC 3308
NAME LEVEL III CERTIFICATION NO.

Reviewed in the Office of:
ROADSIDE ENVIRONMENTAL UNIT
113 Airport Rd.
Edenton, NC 27932

2012 STANDARD SPECIFICATIONS

Reviewed by:
CARLA PUGH

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 B
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 B
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type B	1634.02 Temporary Rock Sediment Dam Type B
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 B
1630.05 Temporary Diversion	1640.01 Coir Fiber Wattle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

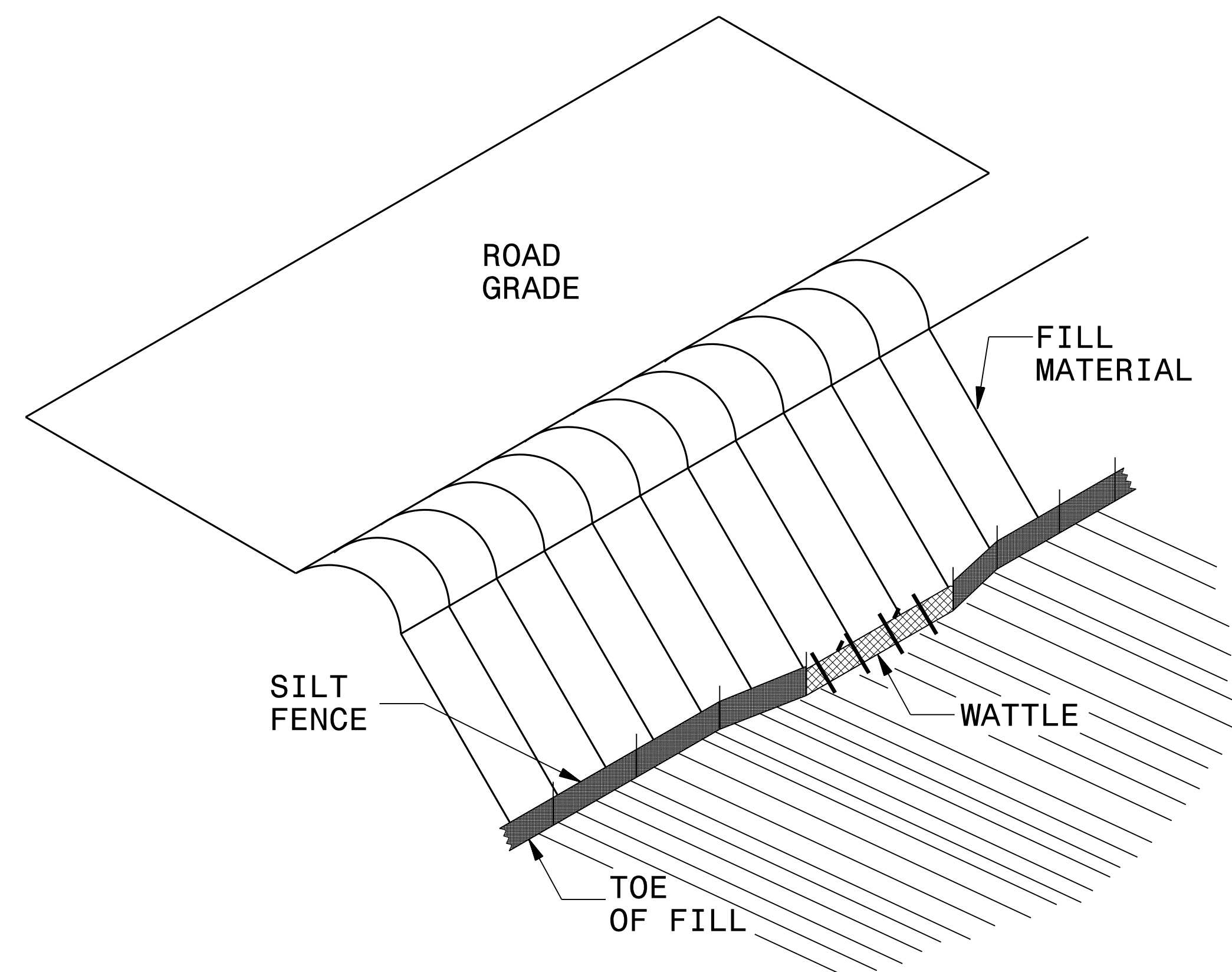
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5601BL	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

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	III III III
1622.01	Temporary Berms and Slope Drains	III III III
1630.02	Silt Basin Type B	III III III
1633.01	Temporary Rock Silt Check Type-A	III III III
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	III III III
1633.02	Temporary Rock Silt Check Type-B	III III III
	Wattle / Coir Fiber Wattle	III III III
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	III III III
1634.01	Temporary Rock Sediment Dam Type-A	III III III
1634.02	Temporary Rock Sediment Dam Type-B	III III III
1635.01	Rock Pipe Inlet Sediment Trap Type-A	III III III
1635.02	Rock Pipe Inlet Sediment Trap Type-B	III III III
1630.04	Stilling Basin	III III III
1630.06	Special Stilling Basin	III III III
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	III III III
	Tiered Skimmer Basin	III III III
	Infiltration Basin	III III III

HYDRAULICS
ENGINEER

SILT FENCE WATTLE BREAK DETAIL

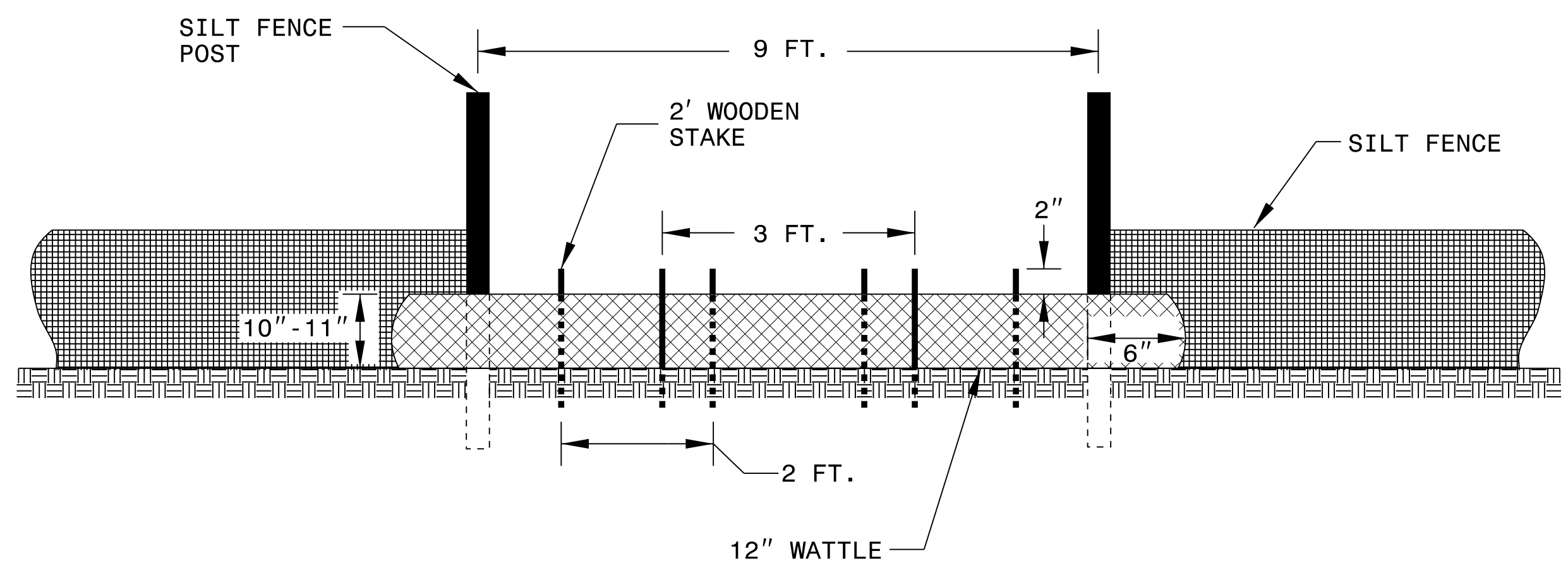
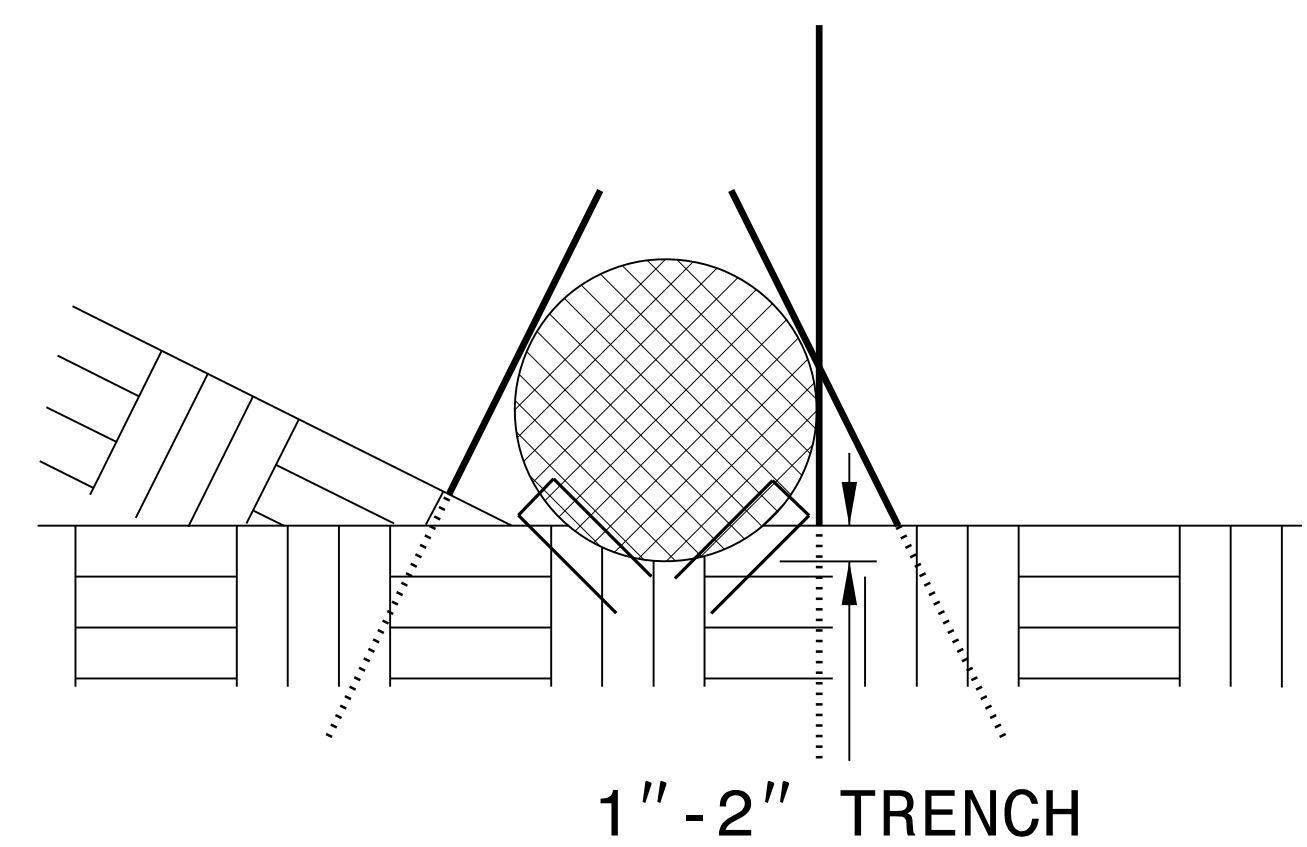


ISOMETRIC VIEW

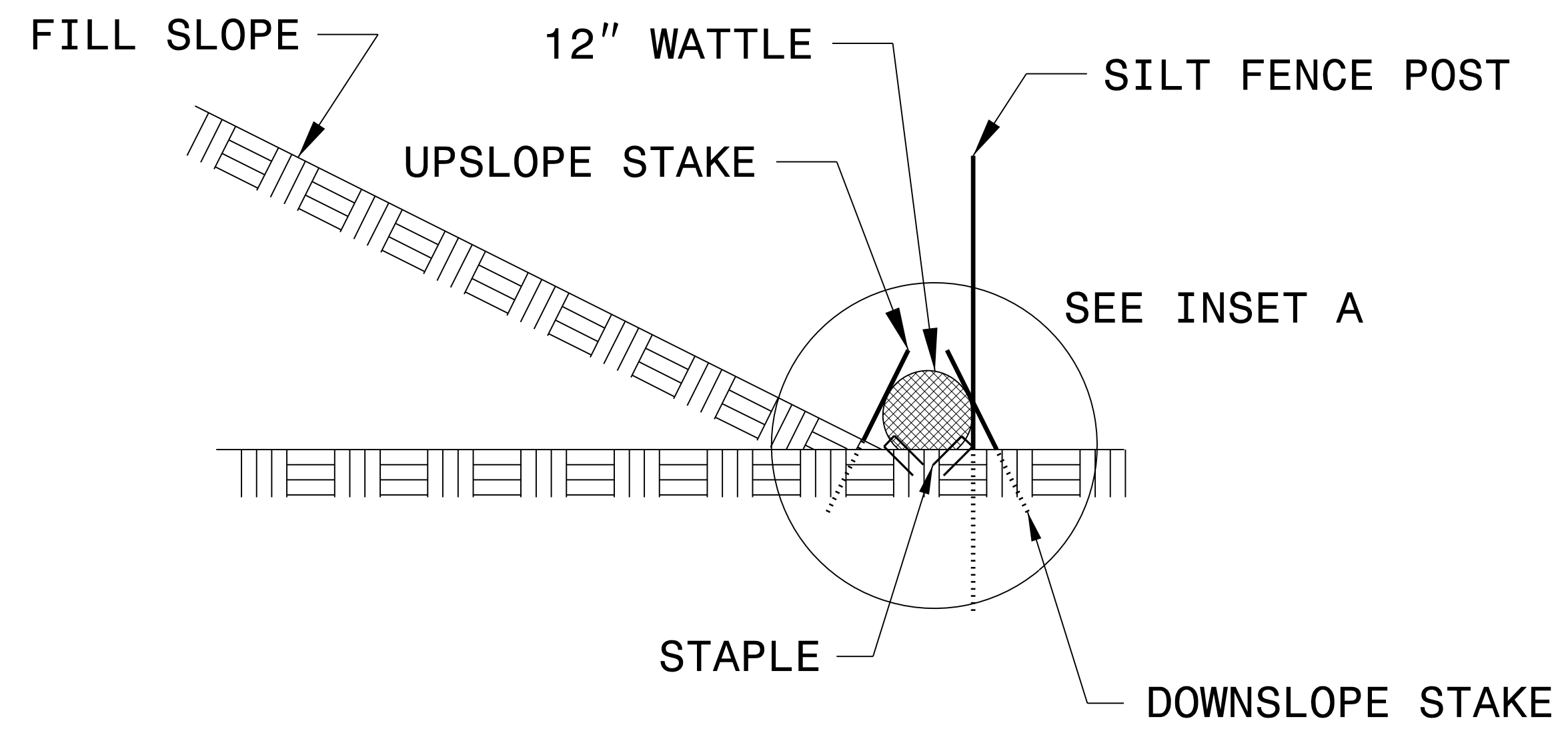
NOTES:

- USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE AND LENGTH OF 10 FT.
- EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.
- DO NOT PLACE WATTLE ON TOE OF SLOPE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.
- 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.
- WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.
- INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

INSET A

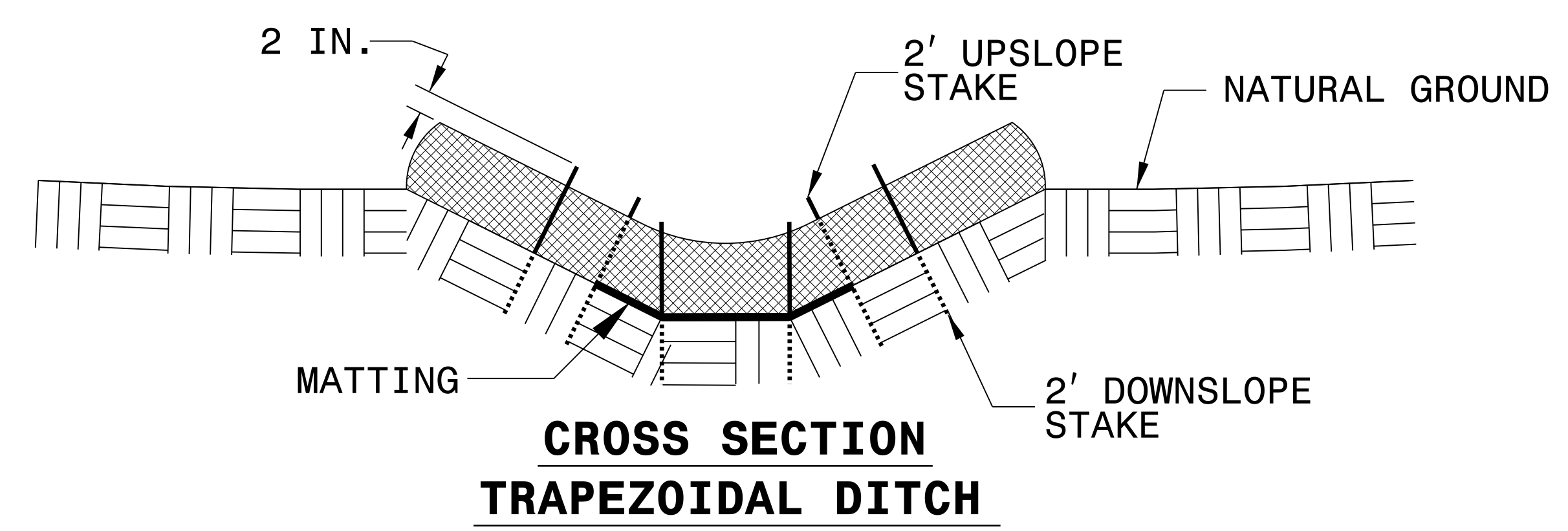
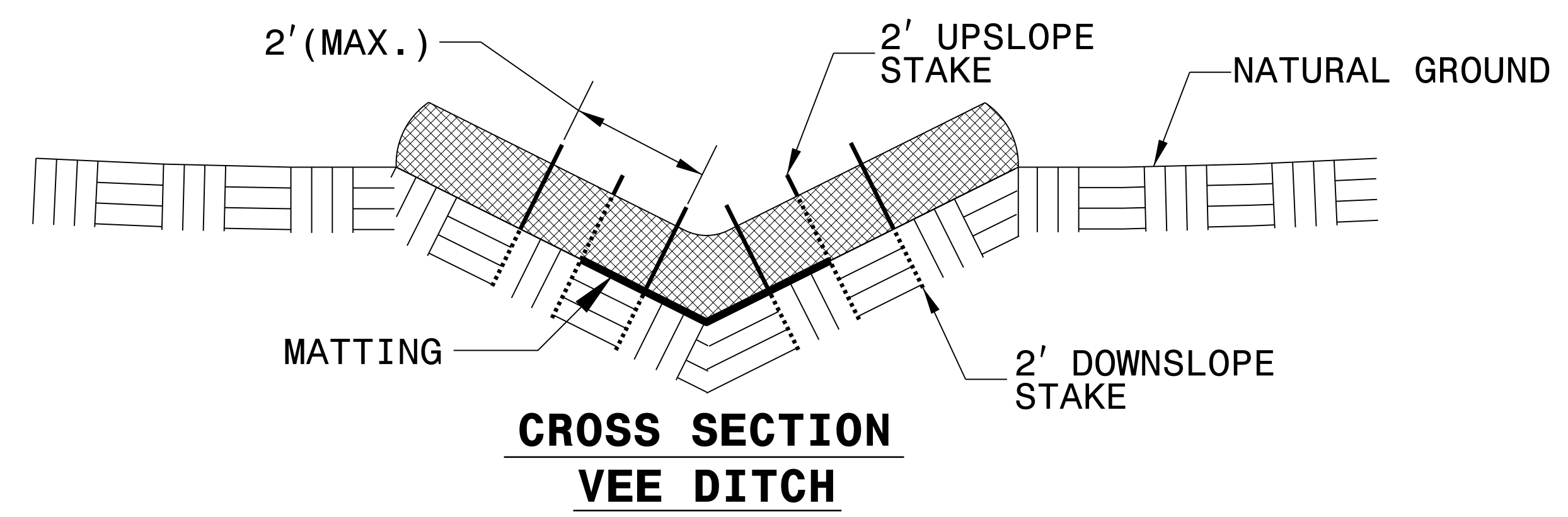
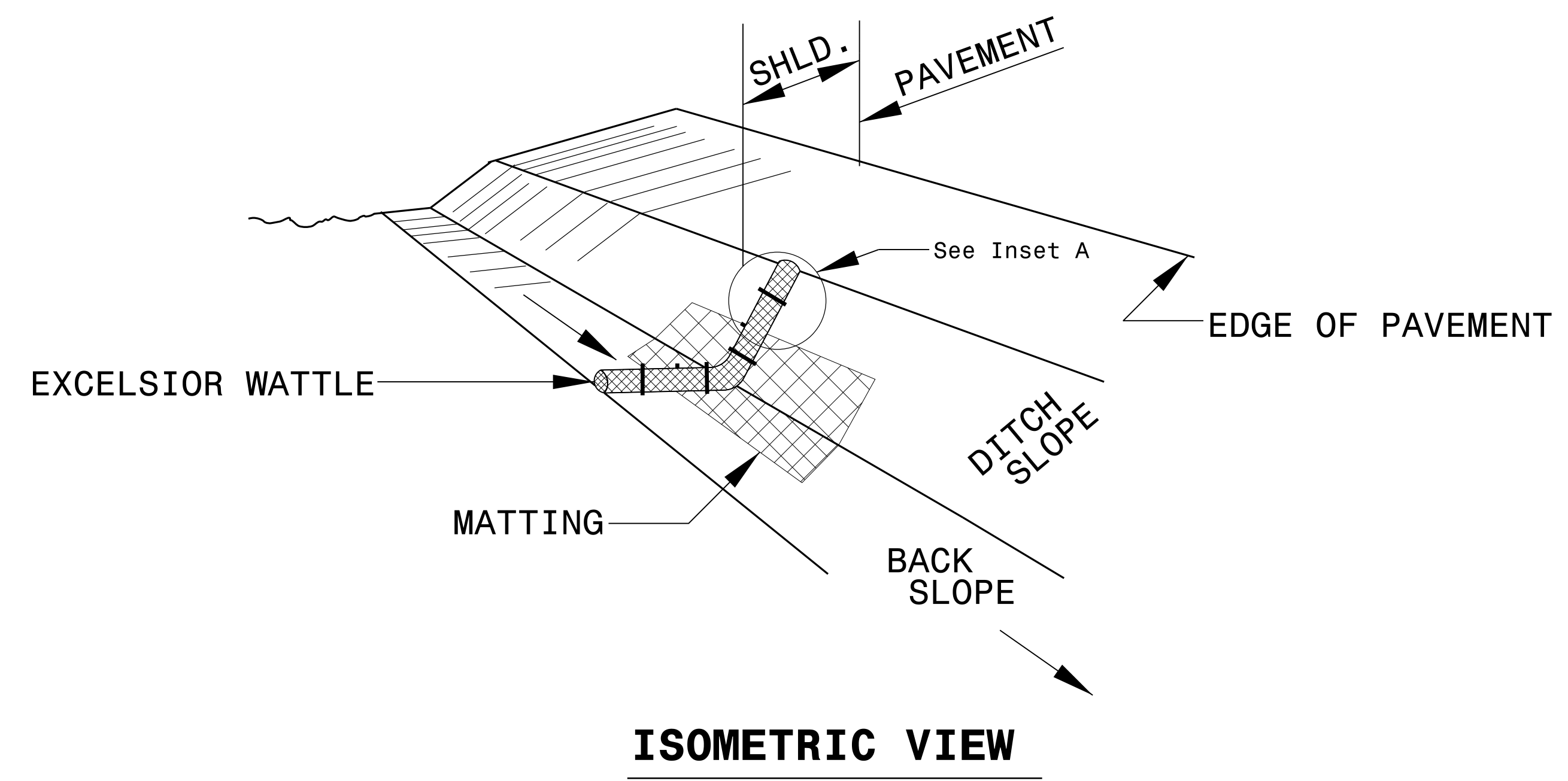


VIEW FROM SLOPE



SIDE VIEW

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

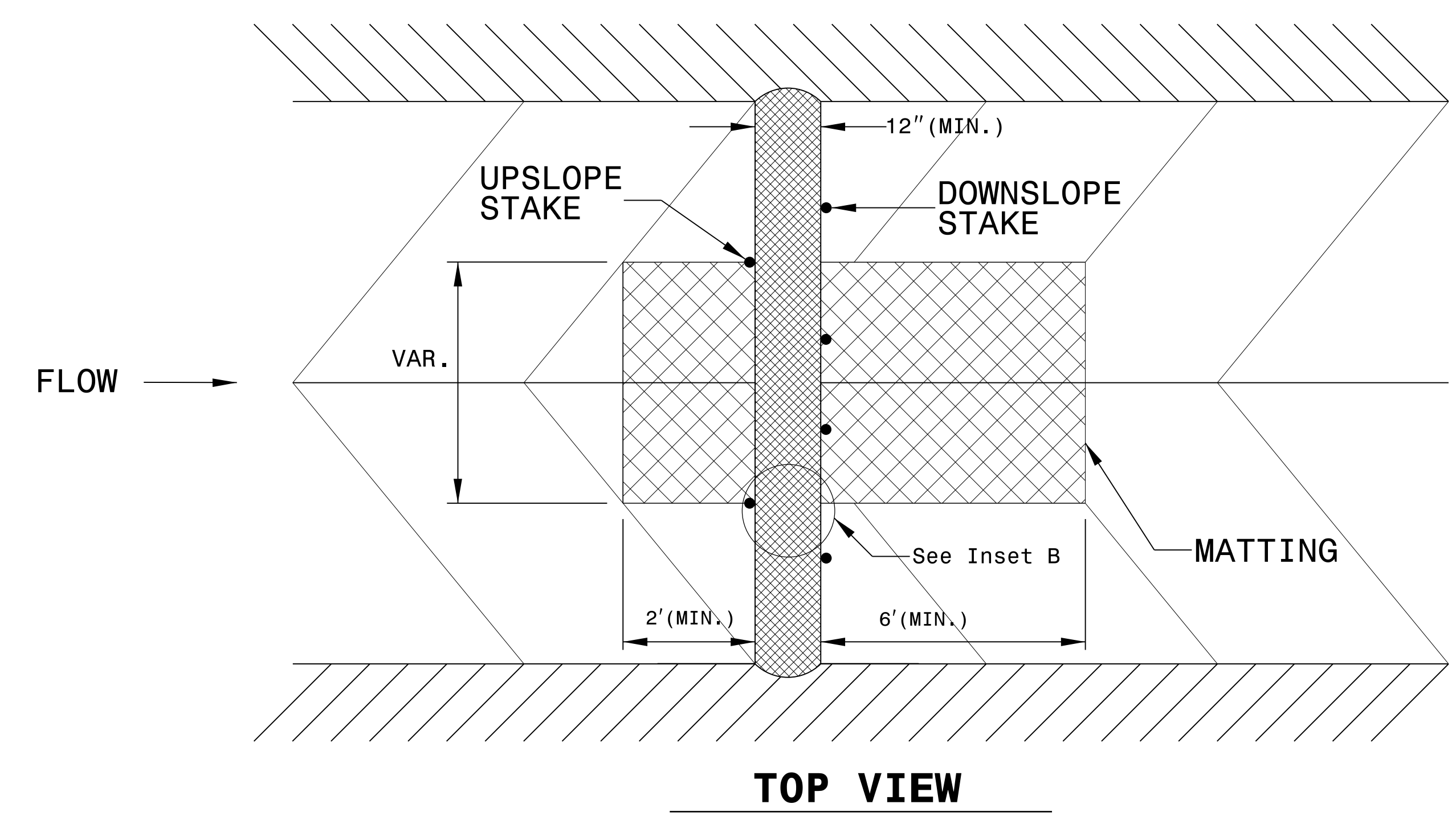
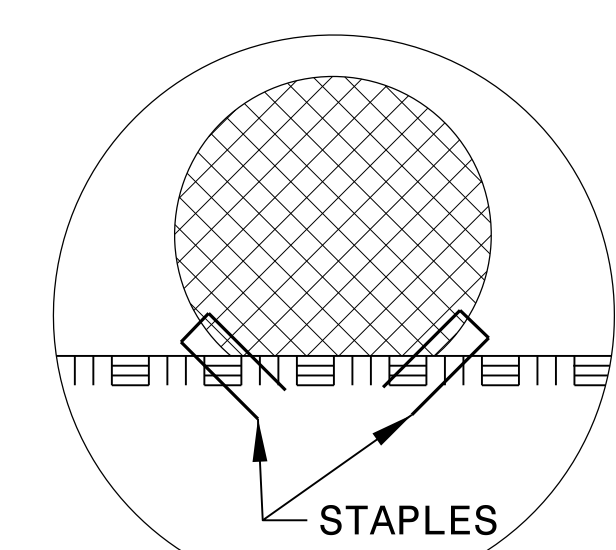
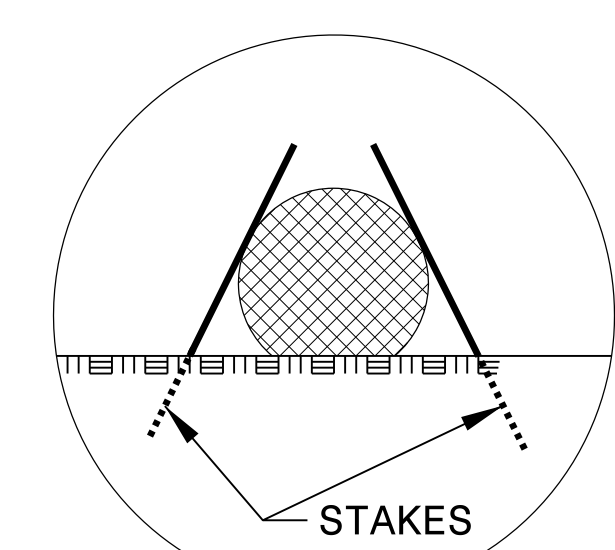
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.



PCN

0353DEL_P15

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

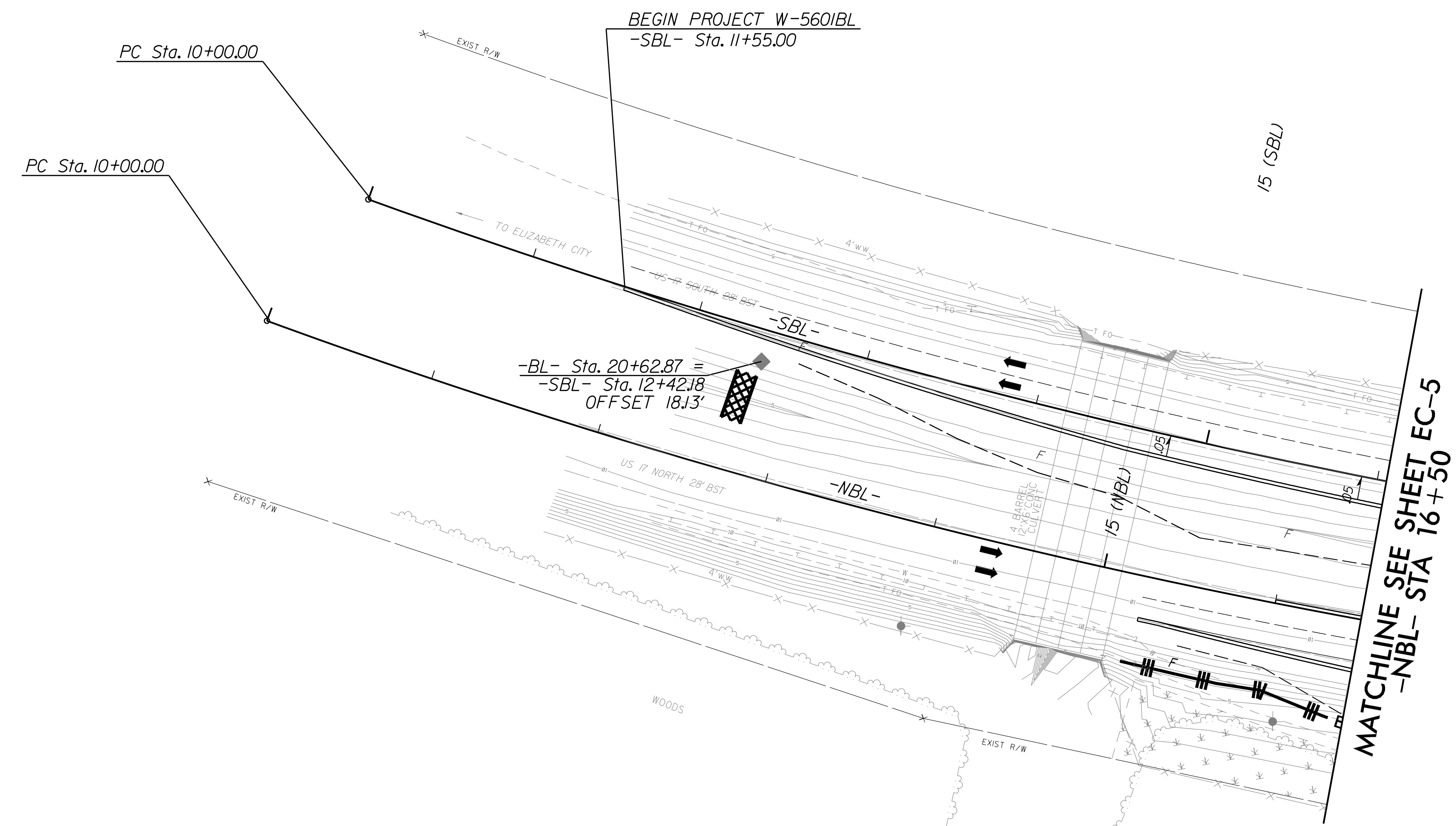
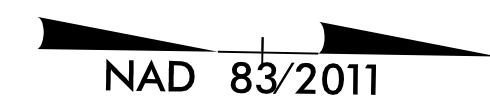
PROJECT REFERENCE NO. <i>W-5601BL</i>	SHEET NO. <i>EC-3</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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	10 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.

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
W-560/BL	EC-4/CONST.4
RW SHEET NO.	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



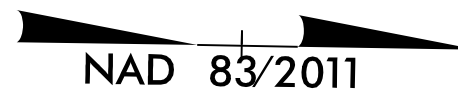
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$D = 1^{\circ} 29' 56.8''$	$L_s = 400.00'$	$D = 1^{\circ} 28' 08.8''$	$L_s = 200.00'$
$L = 1,435.08'$	$LT = 266.70'$	$L = 1,593.70'$	$LT = 133.34'$
$T = 726.09'$	$ST = 133.37'$	$T = 808.13'$	$ST = 66.67'$
$R = 3,822.00'$		$R = 3,900.00'$	

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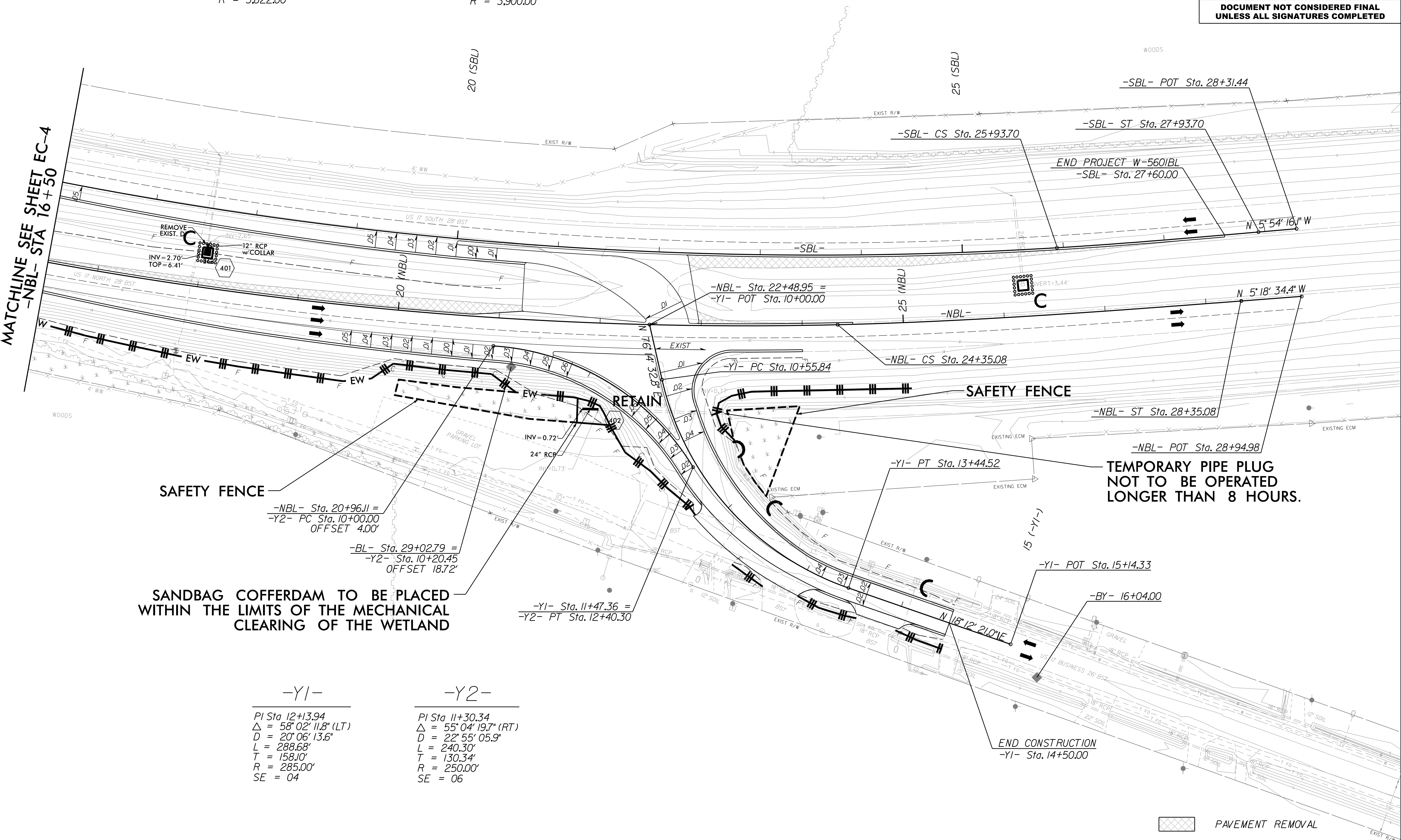
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W-5601BL	EC-5/CONST.5
RW SHEET NO.	HYDRAULICS ENGINEER

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

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$T = 726.09'$	$ST = 133.37'$	$T = 808.13'$	$ST = 66.67'$
$R = 3,822.00'$		$R = 3,900.00'$	



MATCHLINE SEE SHEET EC-4
-NBL- STA 16+50



SAFETY FENCE
-NBL- Sta. 20+96.11 =
-Y2- PC Sta. 10+00.00
OFFSET 4.00'

-BL- Sta. 29+02.79 =
-Y2- Sta. 10+20.45
OFFSET 18.72'

**SANDBAG COFFERDAM TO BE PLACED
WITHIN THE LIMITS OF THE MECHANICAL
CLEARING OF THE WETLAND**

**TEMPORARY PIPE PLUG
NOT TO BE OPERATED
LONGER THAN 8 HOURS.**

-Y1-		-Y2-	
PI Sta 12+13.94	PI Sta 11+30.34	PI Sta 12+13.94	PI Sta 11+30.34
$\Delta = 58^{\circ} 02' 11.8" (LT)$	$\Delta = 55^{\circ} 04' 19.7" (RT)$	$\Delta = 58^{\circ} 02' 11.8" (LT)$	$\Delta = 55^{\circ} 04' 19.7" (RT)$
$D = 20^{\circ} 06' 13.6"$	$D = 22^{\circ} 55' 05.9"$	$D = 20^{\circ} 06' 13.6"$	$D = 22^{\circ} 55' 05.9"$
$L = 288.68'$	$L = 240.30'$	$L = 288.68'$	$L = 240.30'$
$T = 158.10'$	$T = 130.34'$	$T = 158.10'$	$T = 130.34'$
$R = 285.00'$	$R = 250.00'$	$R = 285.00'$	$R = 250.00'$
$SE = 04$	$SE = 06$	$SE = 04$	$SE = 06$

PAVEMENT REMOVAL

- NOTE: SEE SHEET 2A-3 FOR INTERSECTION DETAILS
- NOTE: SEE SHEET 6 FOR -Y1- AND -Y2- PROFILE VIEW

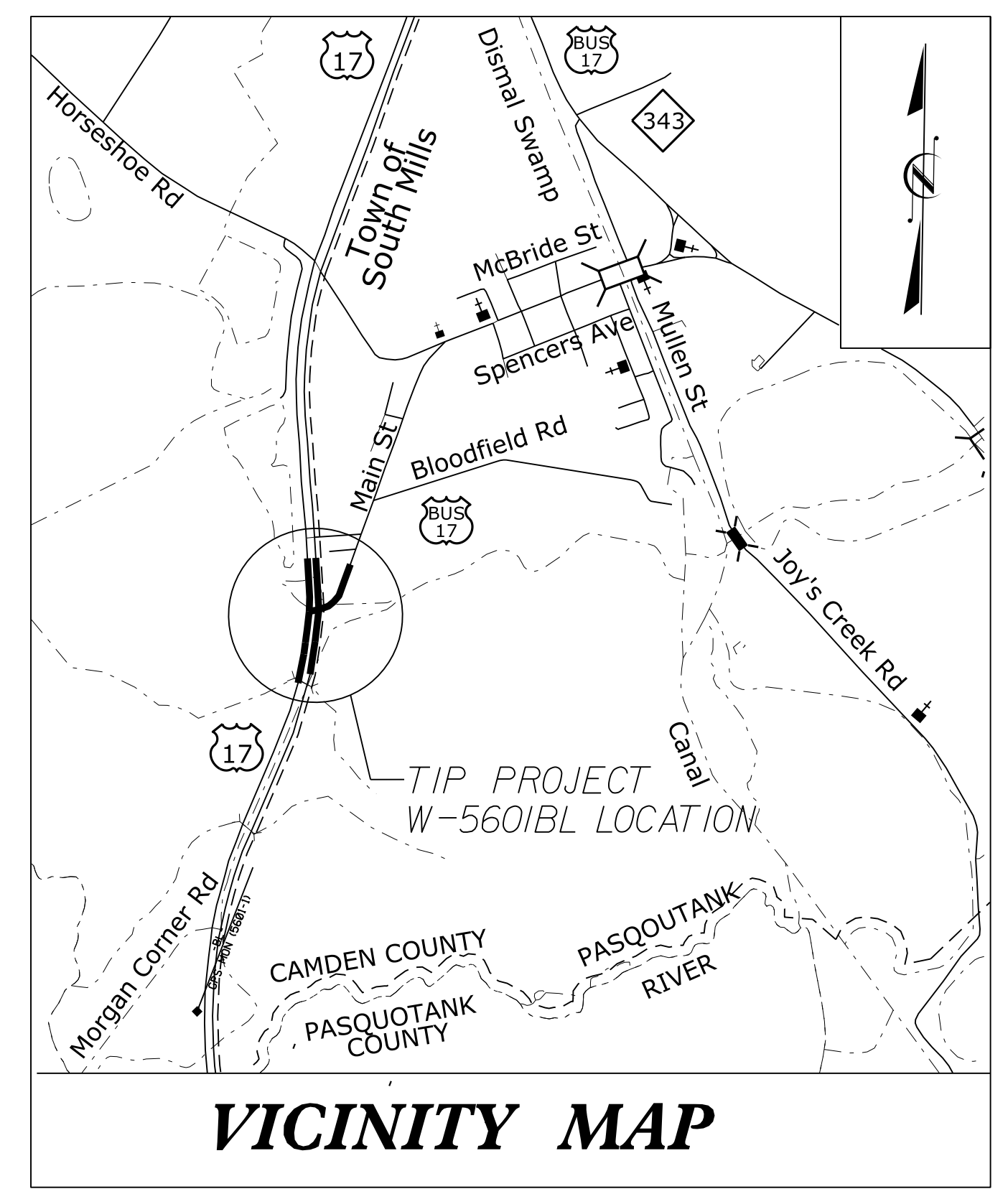
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CONTRACT: DA00297 **TIP PROJECT: W-560IBL**

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

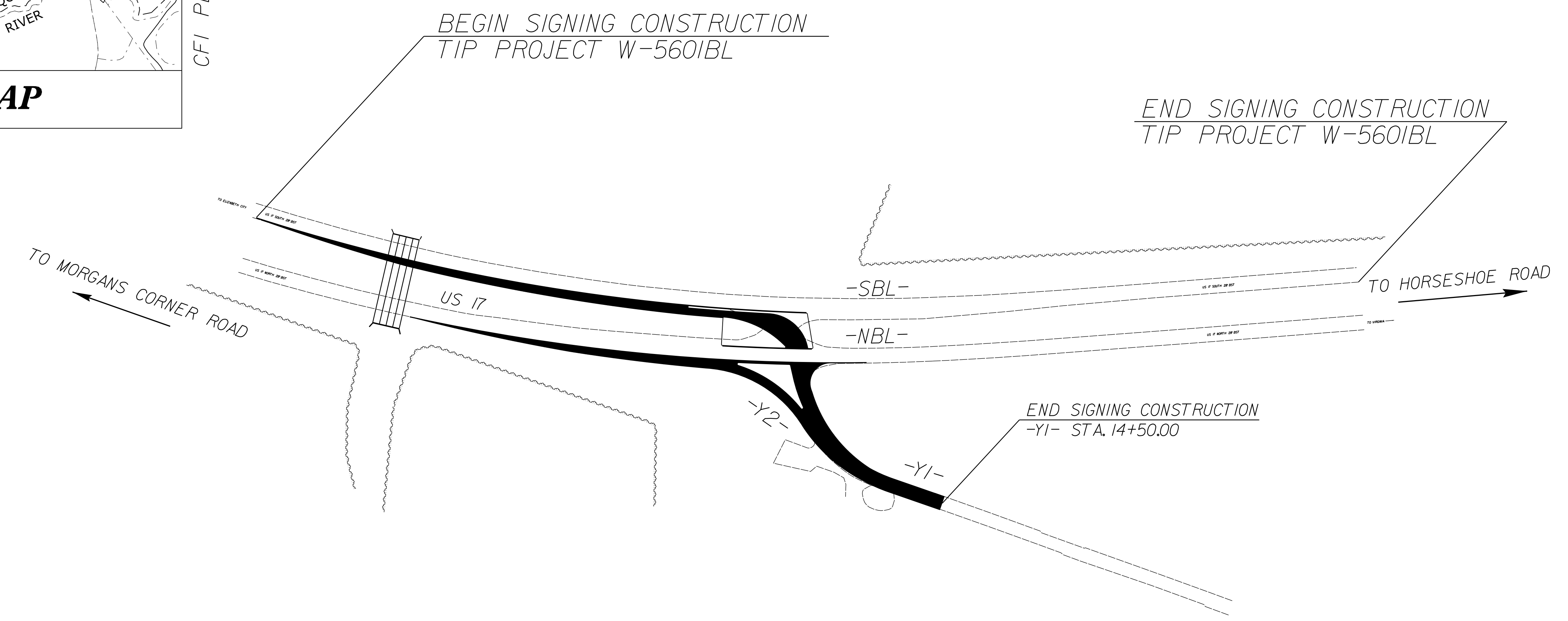
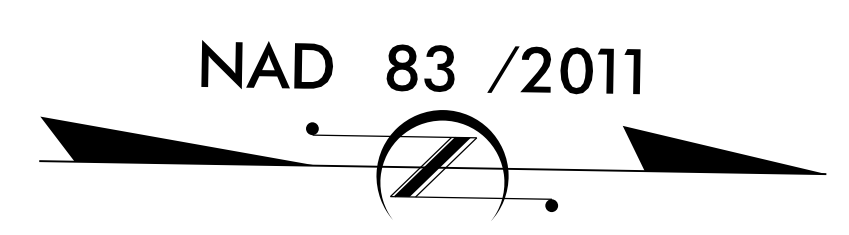
SIGNING PLAN CAMDEN COUNTY

**LOCATION: INTERSECTION OF US 17 AND US 17 BUSINESS (MAIN STREET)
NEAR SOUTH MILLS**



VICINITY MAP

CFI PLANS



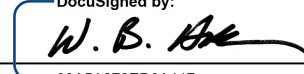
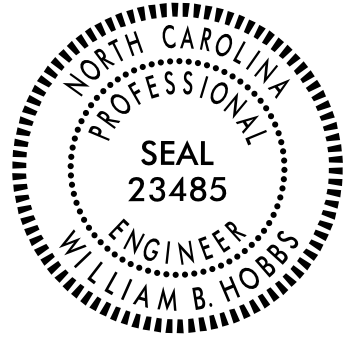
Prepared in the Office of:
DIVISION OF HIGHWAYS
113 Airport Drive, Suite 100, Edenton, NC 27932

DRAWN BY: W. B. HOBBS, PE
DIVISION PROJECT MANAGER

CHECKED BY: B. A. RASHID
SIGNING AND DELINEATION ENGINEER

INDEX	
SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-1A	NOTES, QUANTITIES & STANDARDS
SIGN-2	TYPE E SIGNS
SIGN-3	TYPE F SIGNS
SIGN-4	EXISTING & PROPOSED SIGN DETAIL

TIP NO. W-5601BL	SHEET NO. SIGN-1
APPROVED: <u>W. B. Hobbs</u> <small>99A5A272E06A447</small>	
DATE: 2/8/2016	
SEAL	

TIP NO. W-5016BL	SHEET NO. SIGN-1A
Drawn by: APPROVED:  <small>99A5A272ED6A447...</small>	
DATE: 2/8/2016	
SEAL	
	

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, RE-ERECTION SHALL IMMEDIATELY FOLLOW REMOVAL.
- . ALL EXISTING SIGNS ON WOOD POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS OR DIRECTED BY THE ENGINEER.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.

ROADWAY STANDARD DRAWINGS

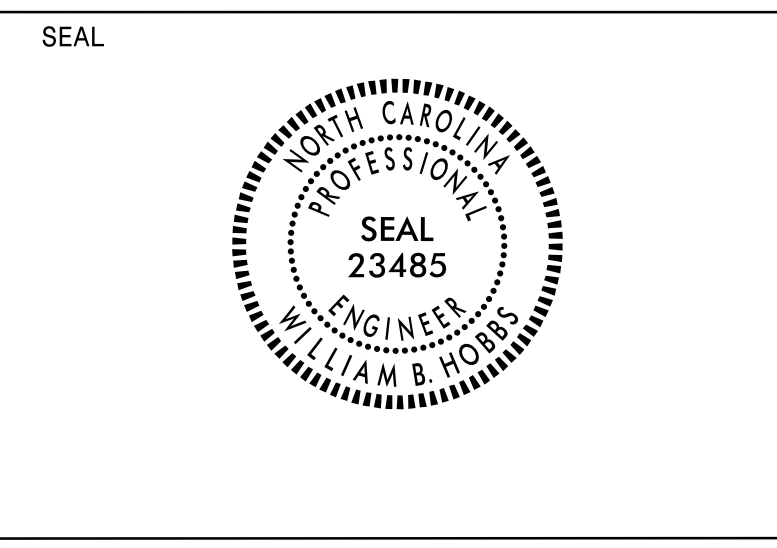
THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" – PROJECT SERVICES UNIT – N. C. DEPARTMENT OF TRANSPORTATION – RALEIGH, N. C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
903.20	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON WOOD POSTS

SUMMARY OF QUANTITIES

ITEM NO.	SECT. NO.	DESCRIPTION	QTY.	UNIT
4082000000-E	903	SUPPORTS, WOOD	332	LF
4102000000-N	904	SIGN ERECTION, TYPE E	14	EA
4108000000-N	904	SIGN ERECTION, TYPE F	6	EA
41161000000-N	904	SIGN ERECTION, RELOCATE, TYPE*** (D, GROUND MOUNTED)	1	EA
41161000000-N	904	SIGN ERECTION, RELOCATE, TYPE***, (E, GROUND MOUNTED)	1	EA
4158000000-N	907	DISPOSAL OF SIGN SYSTEM, WOOD	15	EA

APPROVED: *W. B. Hobbs*
DATE: 2/8/2016



401 QUANTITY REQ'D 2

ONE WOOD POST PER SIGN

406 QUANTITY REQ'D 1

ONE WOOD POST PER SIGN

402 QUANTITY REQ'D 1

ONE WOOD POST PER SIGN

407 QUANTITY REQ'D 2

MOUNT BELOW SIGN 407
IN ONE INSTALLATION

403 QUANTITY REQ'D 1

ONE WOOD POST PER SIGN

408 QUANTITY REQ'D 2

TWO WOOD POSTS PER SIGN

404 QUANTITY REQ'D 1

TWO WOOD POSTS PER SIGN

409 QUANTITY REQ'D 2

(SEE SIGN DESIGN)
TWO WOOD POSTS PER SIGN

405 QUANTITY REQ'D 1

TWO WOOD POSTS PER SIGN

410 QUANTITY REQ'D 1

MOUNT BELOW SIGN 403
IN ONE INSTALLATION

SIGN NUMBER: 409 TYPE: E QUANTITY: 2 SIGN WIDTH: 4'-0" HEIGHT: 4'-0" TOTAL AREA: 16.0 Sq.Ft. BORDER TYPE: INSET RECESS: 0.75" WIDTH: 1.25" RADII: 3.00"	BACKG COLOR: Yellow COPY COLOR: Black	DESIGN BY: BA RASHID PROJECT ID: W-5601BL	CHECKED BY: DIV: 1	Feb 02, 2016
--	--	--	-----------------------	--------------

SYMBOL	X	Y	WID	HT

NO. Z BARS:
LENGTH:

MAT'L: 0.080" (2.0 mm) ALUMINUM

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE C yellow retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS												Series/Size		
Letter spacings are to start of next letter												Text	Length	
	V	E	H	I	C	L	E	S				C 2000	31	
17.5	4.6	4.1	4.7	2	4.6	3.9	3.8	3.4	17.5			C 2000	30.7	
	E	N	T	E	R	I	N	G				C 2000	37.3	
17.6	4.1	4.2	3.9	4.1	4.4	2.2	4.6	3.4	17.6			C 2000	37.3	
	F	R	O	M		L	E	F	T					
14.3	3.9	4.3	4.7	4	6	3.9	4.1	3.4	3.1	14.3				

FILENAME: W-5601BL-Sign-410 NORTH CAROLINA D.O.T. SIGN DETAIL

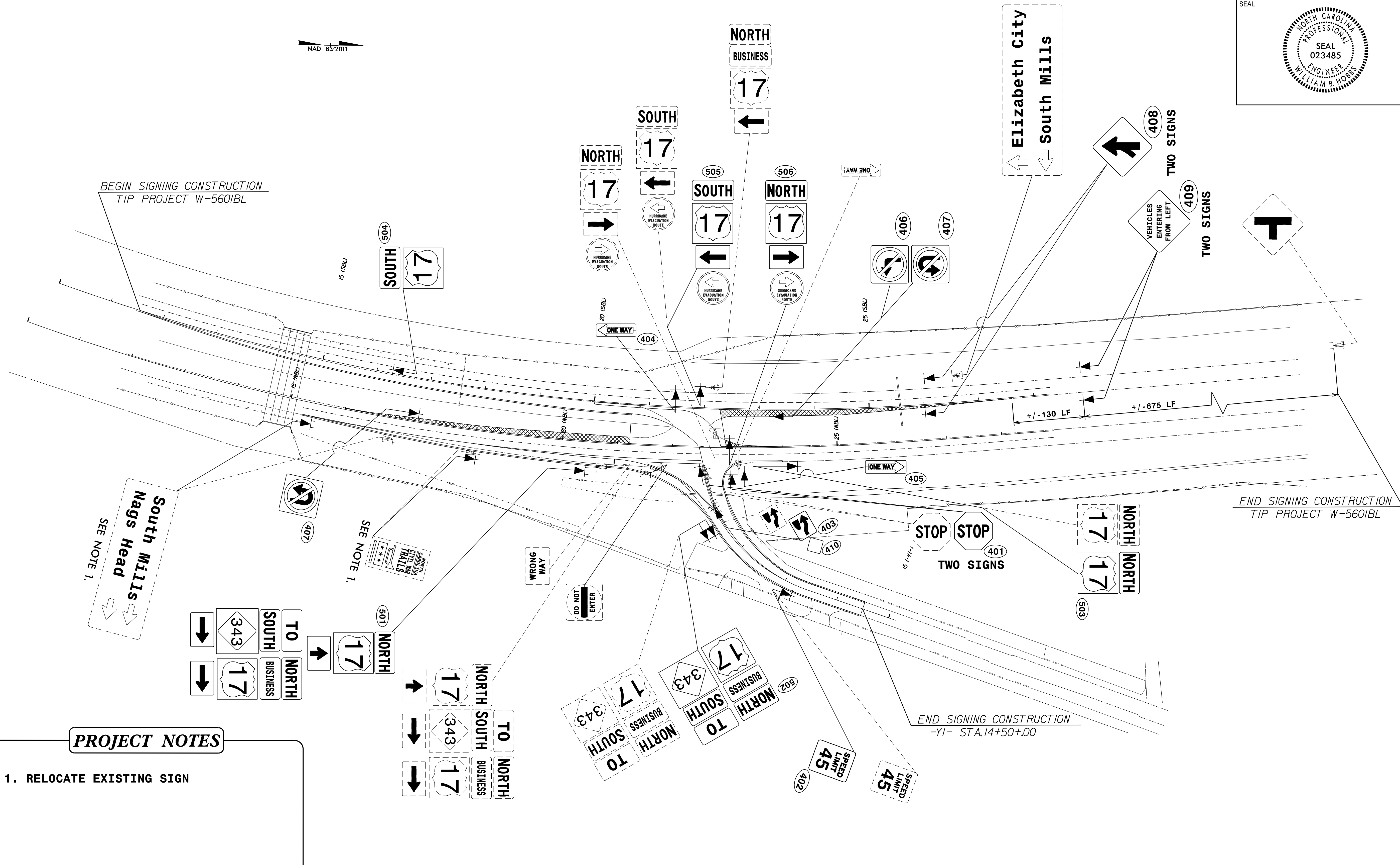
TYPE "E" SIGNS

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 bhobbs AT DICAL268623L

		TIP NO. W-5601BL	SHEET NO. SIGN-3
<p>501</p> <p>1 - 24" X 12" 1 - 24" X 24" 1 - 21" X 15" 4 - 24" X 12" 2 - 24" X 24" 2 - 21" X 15"</p> <p>TWO WOOD POSTS PER INSTALLATION</p>	<p>505</p> <p>1 - 24" X 12" 1 - 24" X 24" 1 - 21" X 15" 1 - 24" DIA.</p> <p>ONE WOOD POST PER INSTALLATION</p>		
<p>502</p> <p>4 - 24" X 12" 2 - 24" X 24"</p> <p>TWO WOOD POSTS PER INSTALLATION</p>	<p>506</p> <p>1 - 24" X 12" 1 - 24" X 24" 1 - 21" X 15" 1 - 24" DIA.</p> <p>ONE WOOD POST PER INSTALLATION</p>		
<p>503</p> <p>1 - 30" X 15" 1 - 36" X 36"</p> <p>ONE WOOD POST PER INSTALLATION</p>			
<p>504</p> <p>1 - 30" X 15" 1 - 36" X 36"</p> <p>ONE WOOD POST PER INSTALLATION</p>			
TYPE "F" SIGNS			

APPROVED:
 DATE: 2/8/2016
 SEAL:



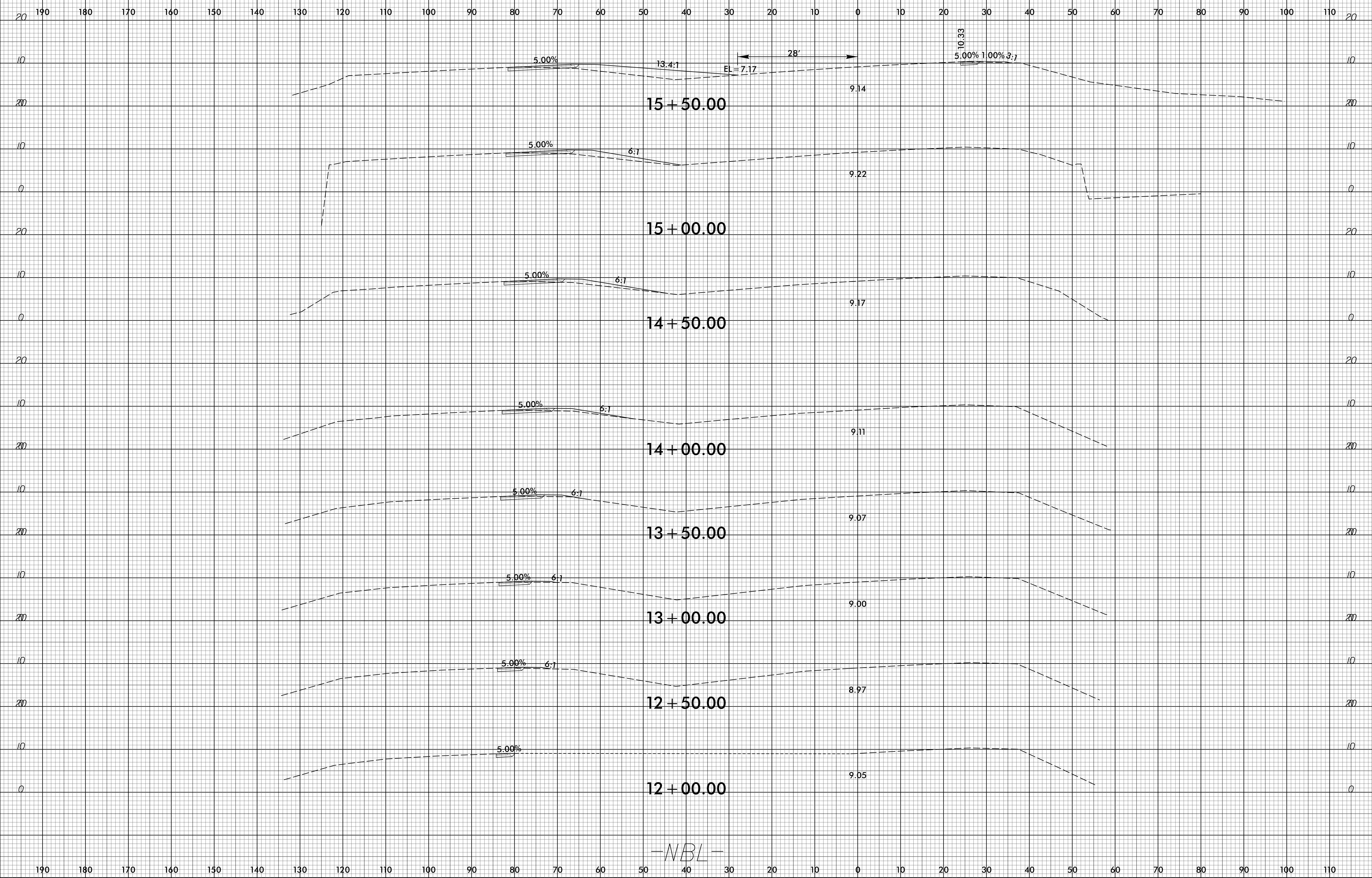
PROJECT NOTES

1. RELOCATE EXISTING SIGN

EXISTING AND PROPOSED SIGNS

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 AT DICAD268623L
 shobbs

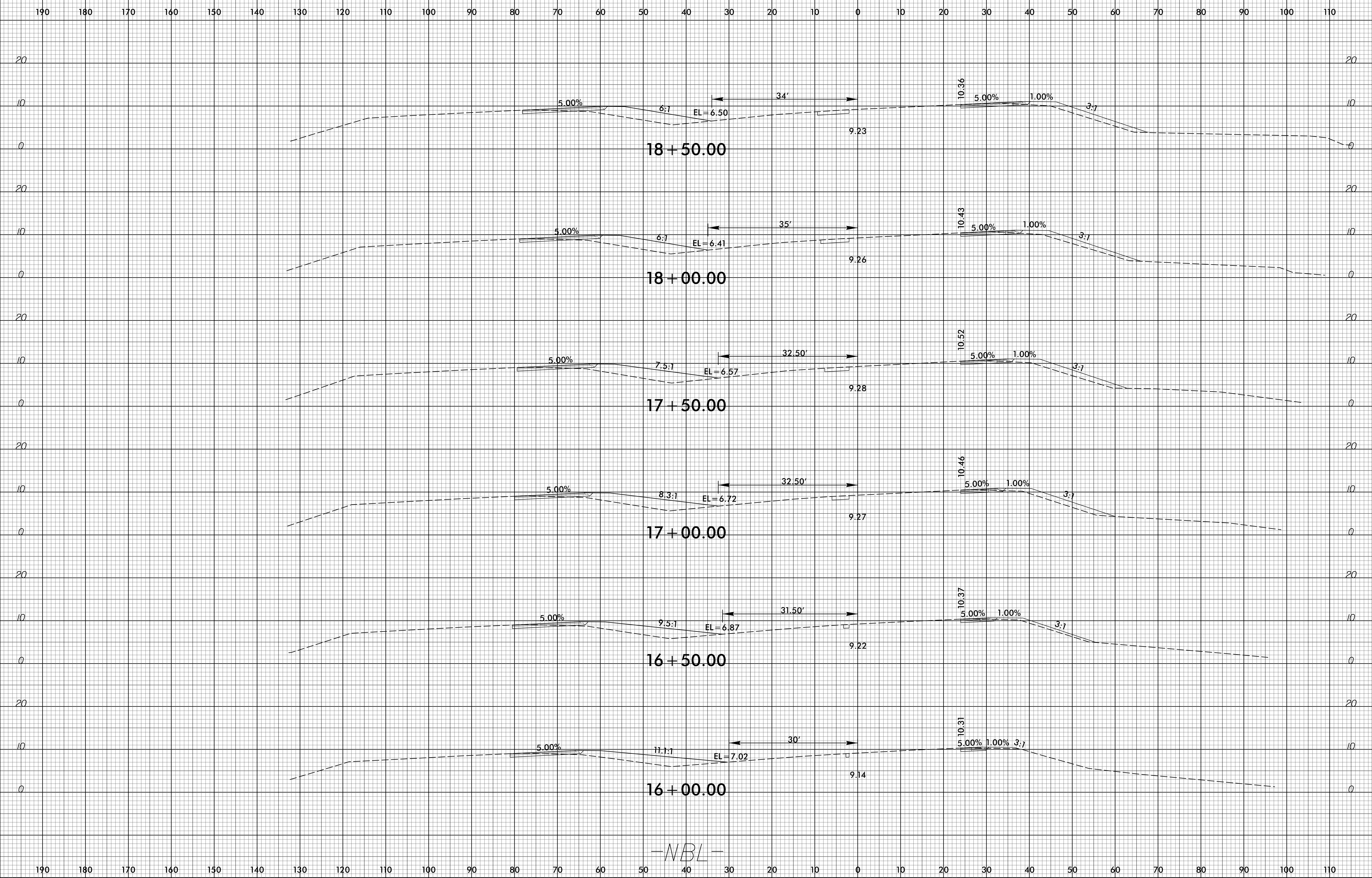
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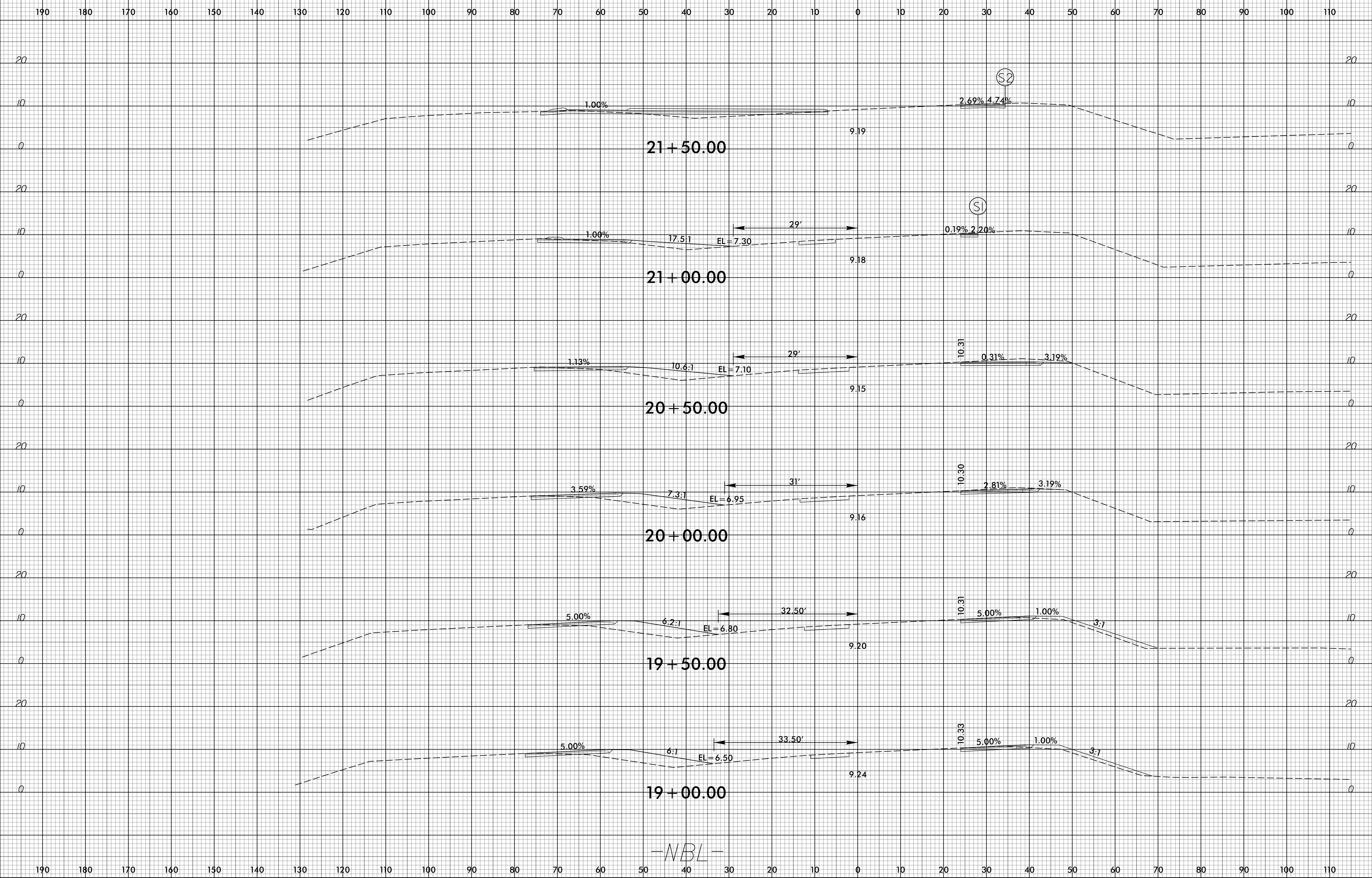
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-NBL-

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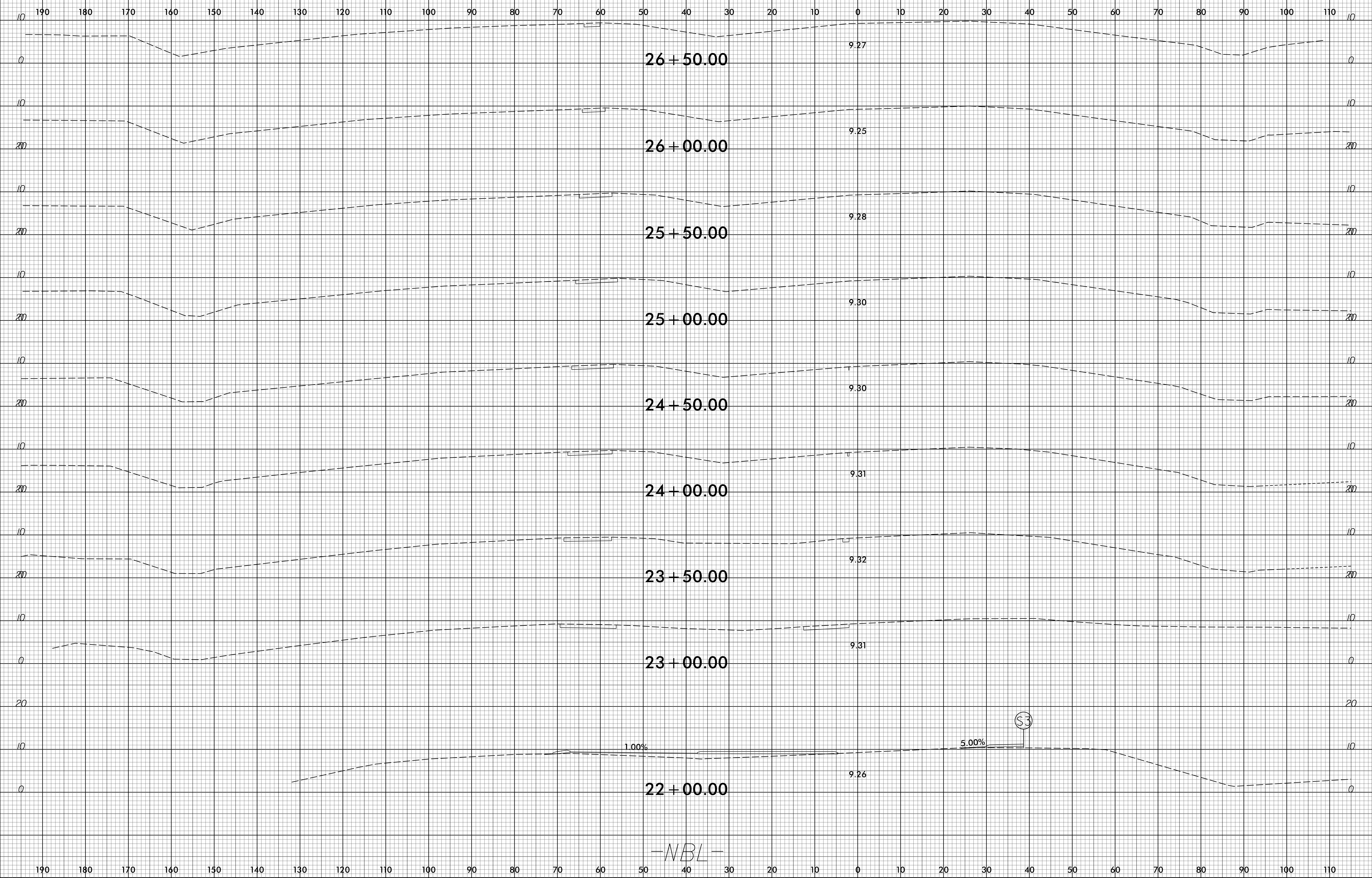
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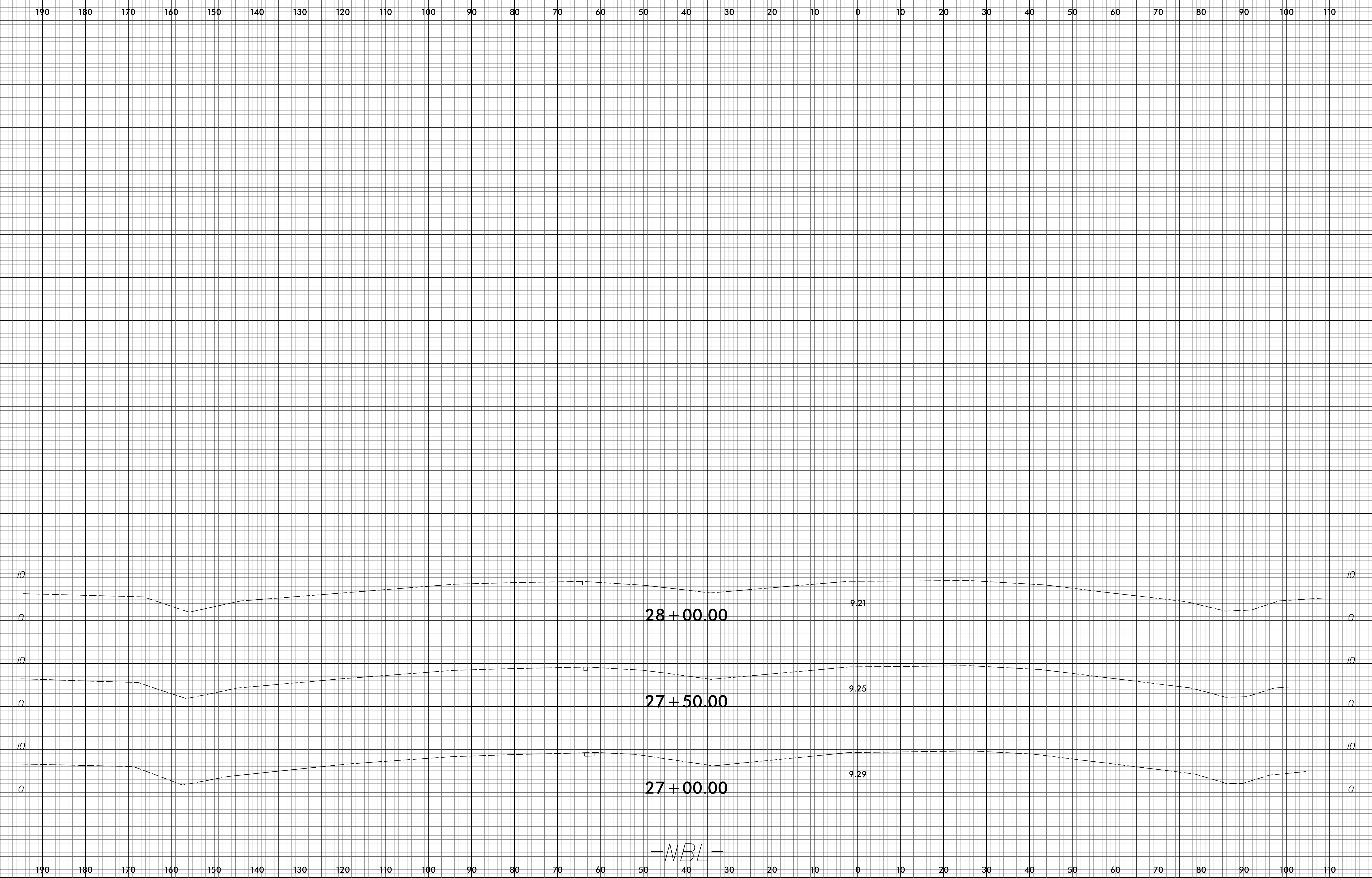
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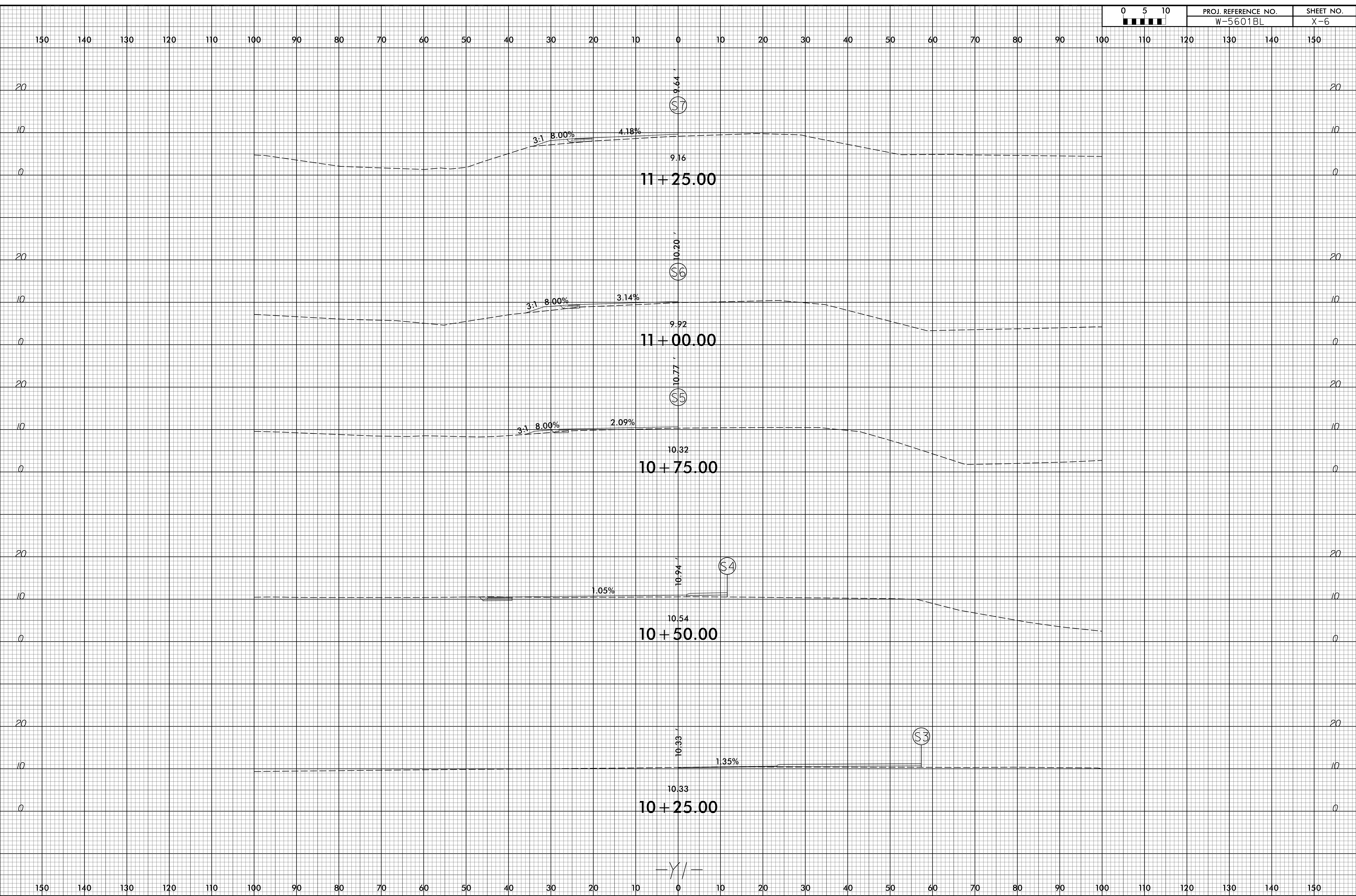
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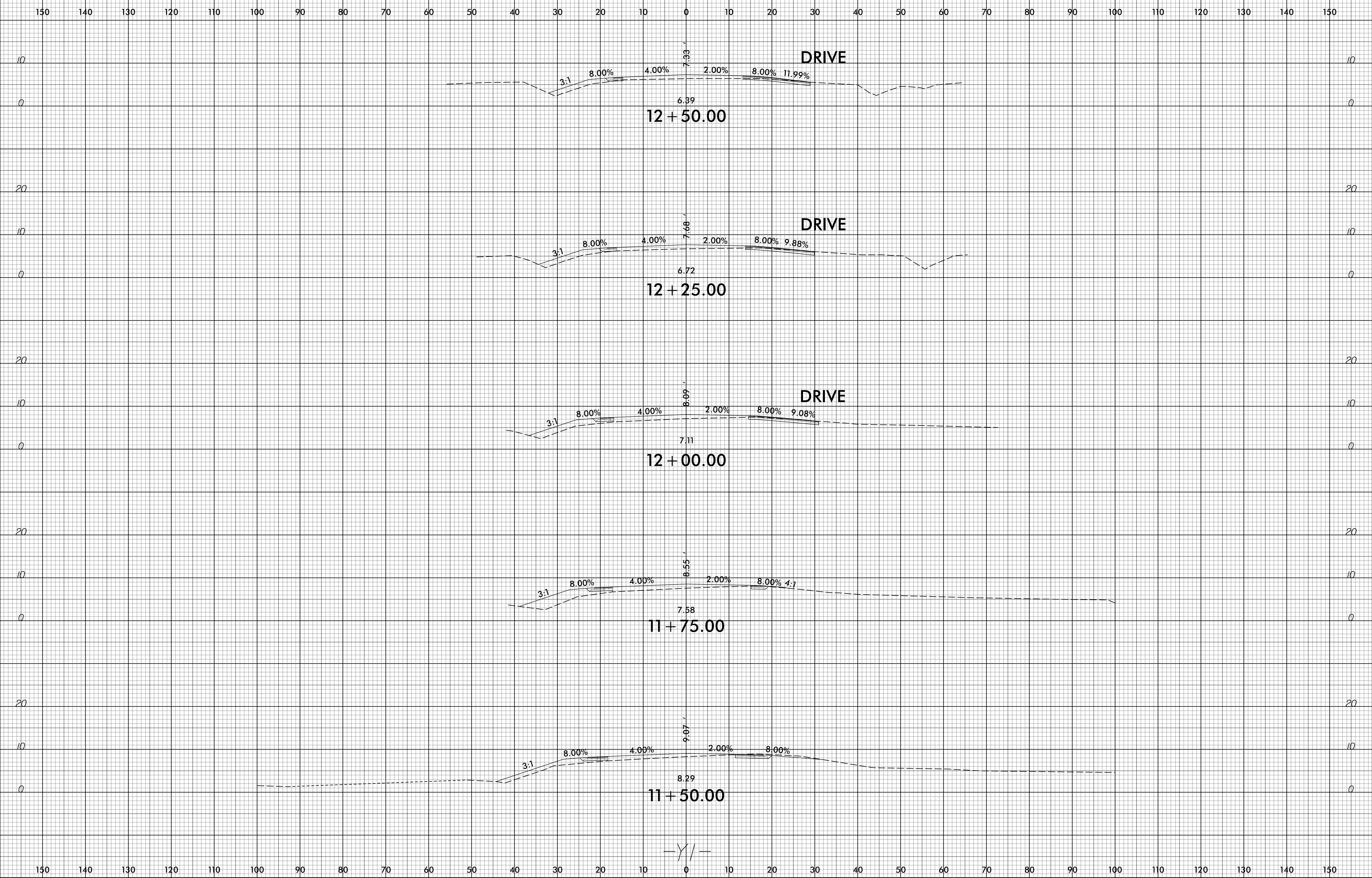
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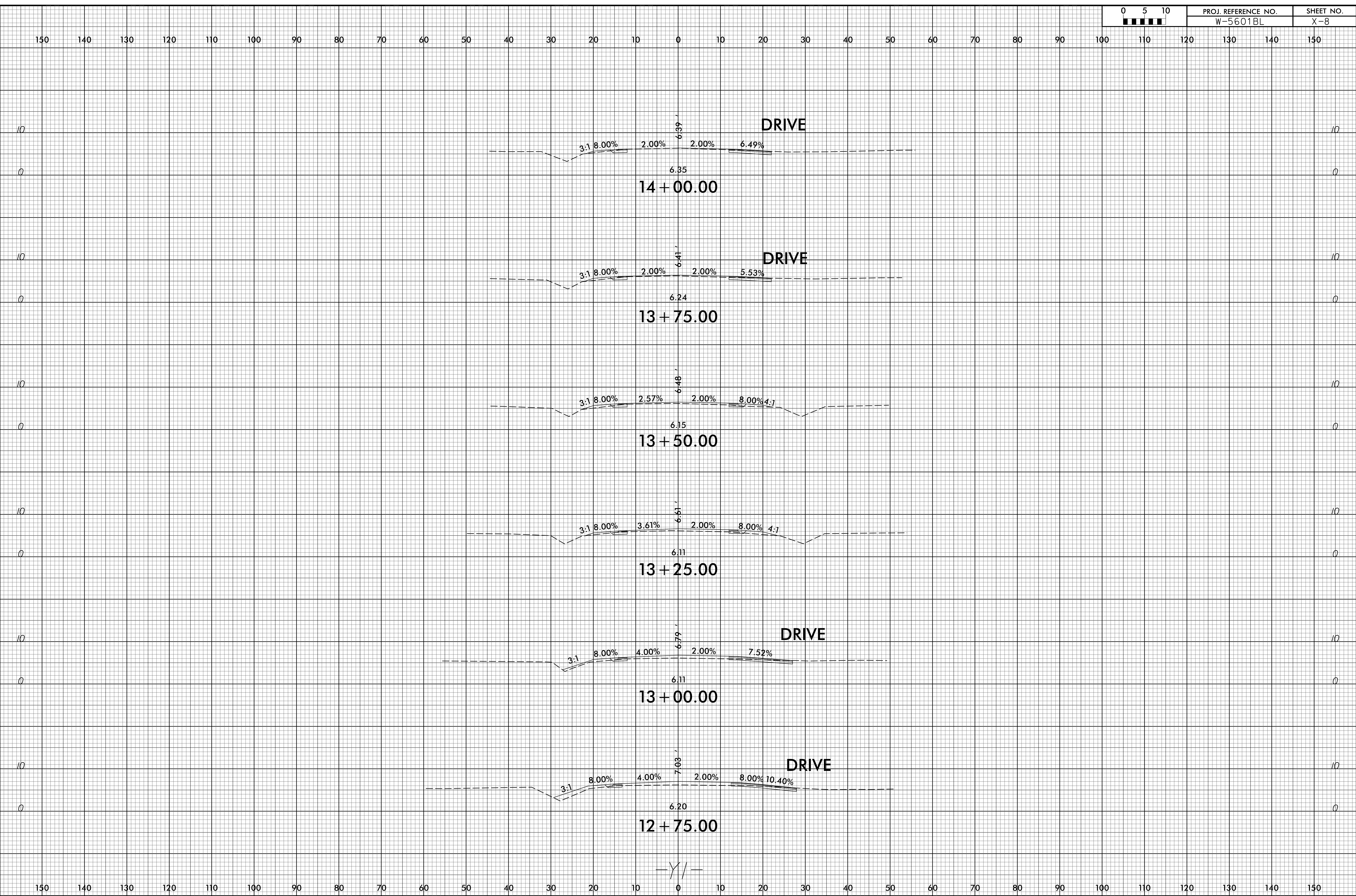
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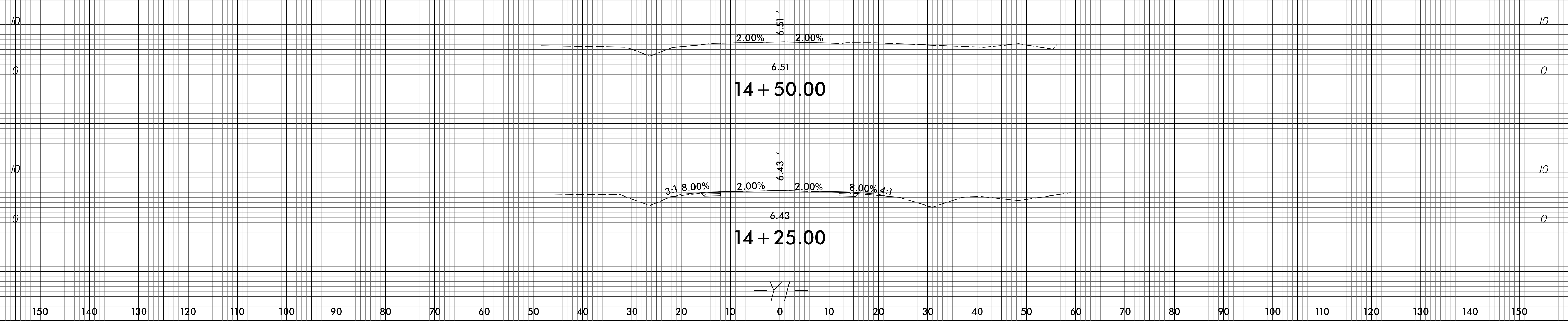


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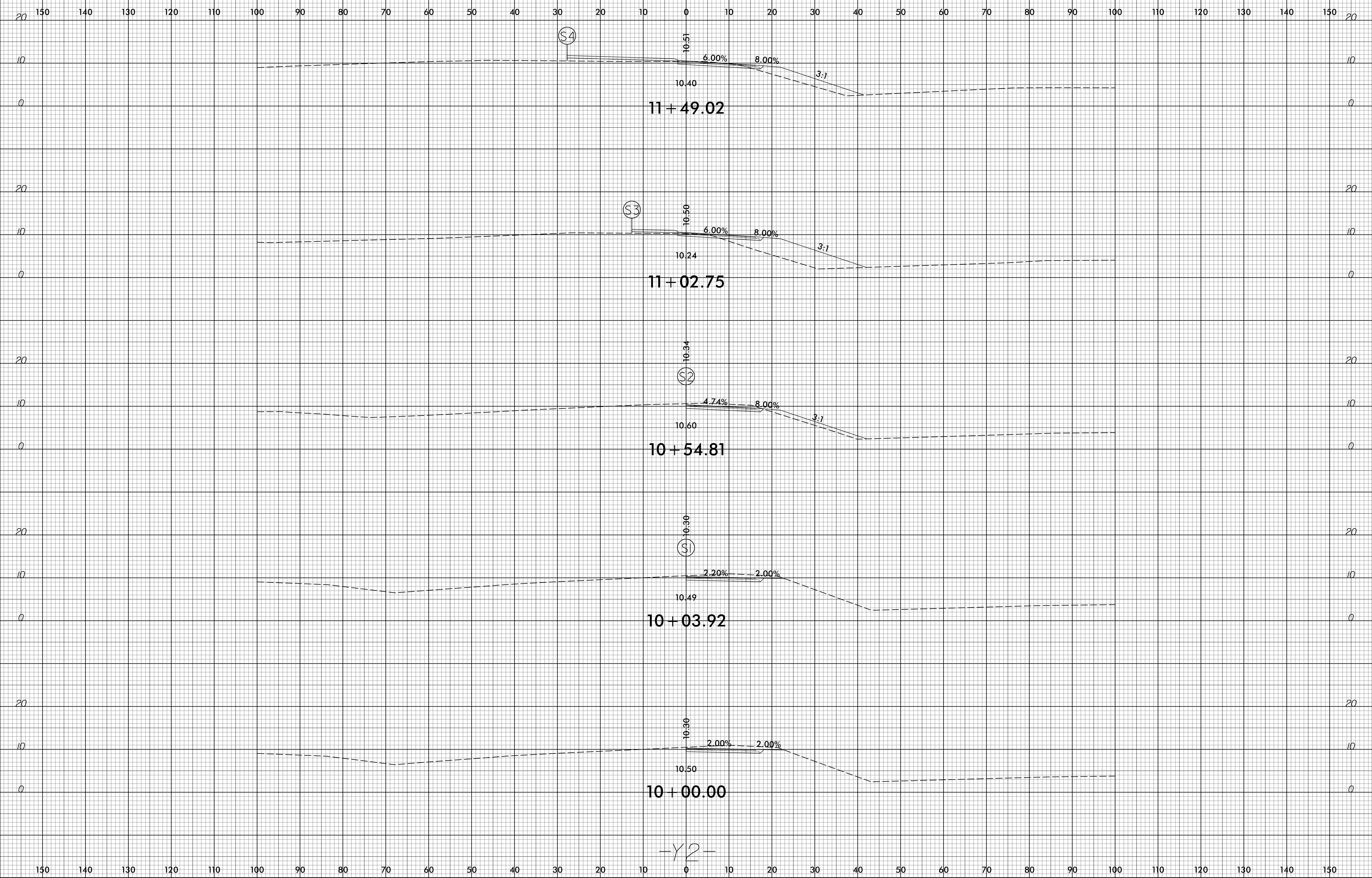
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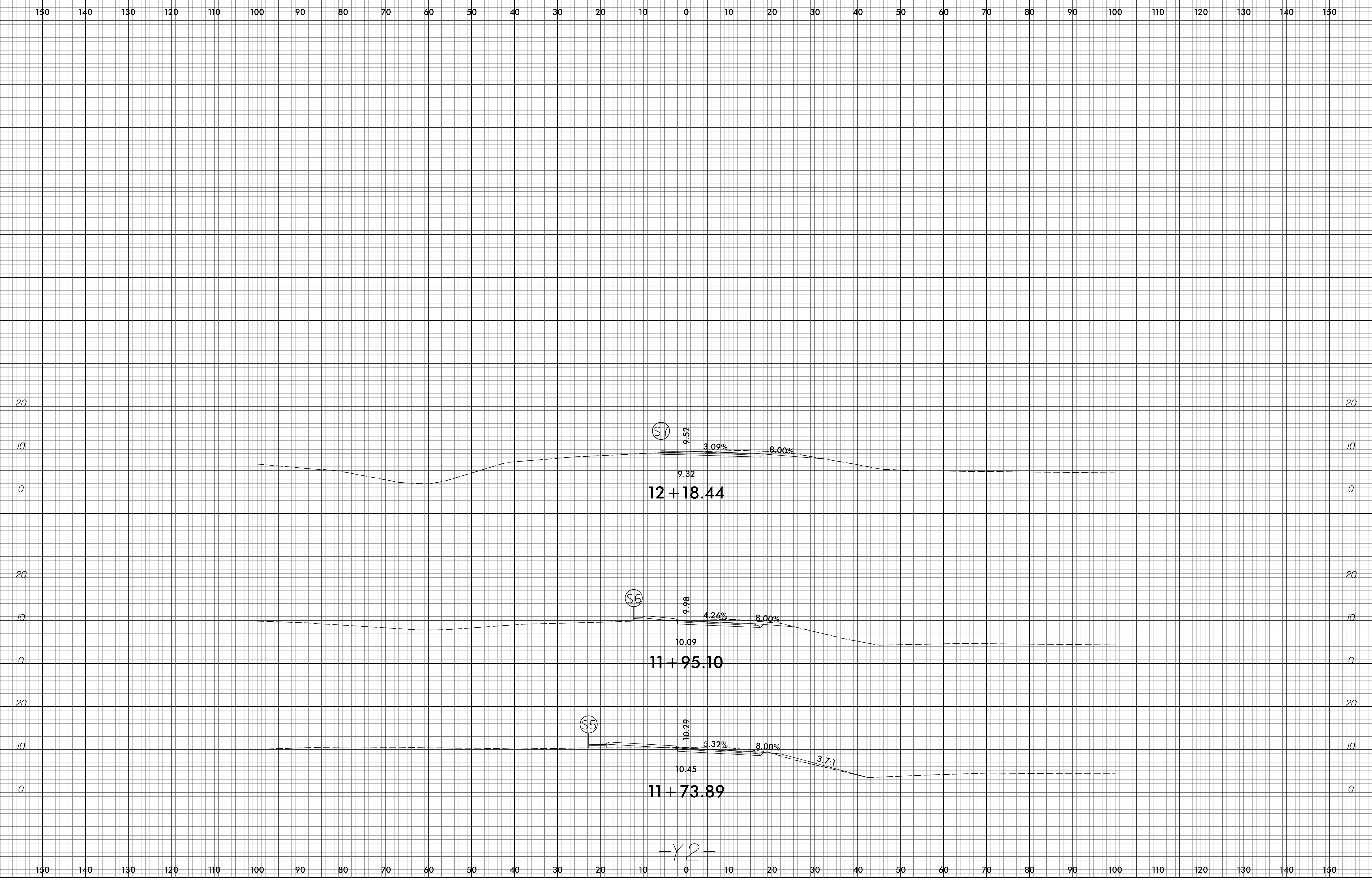
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8/23/99



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