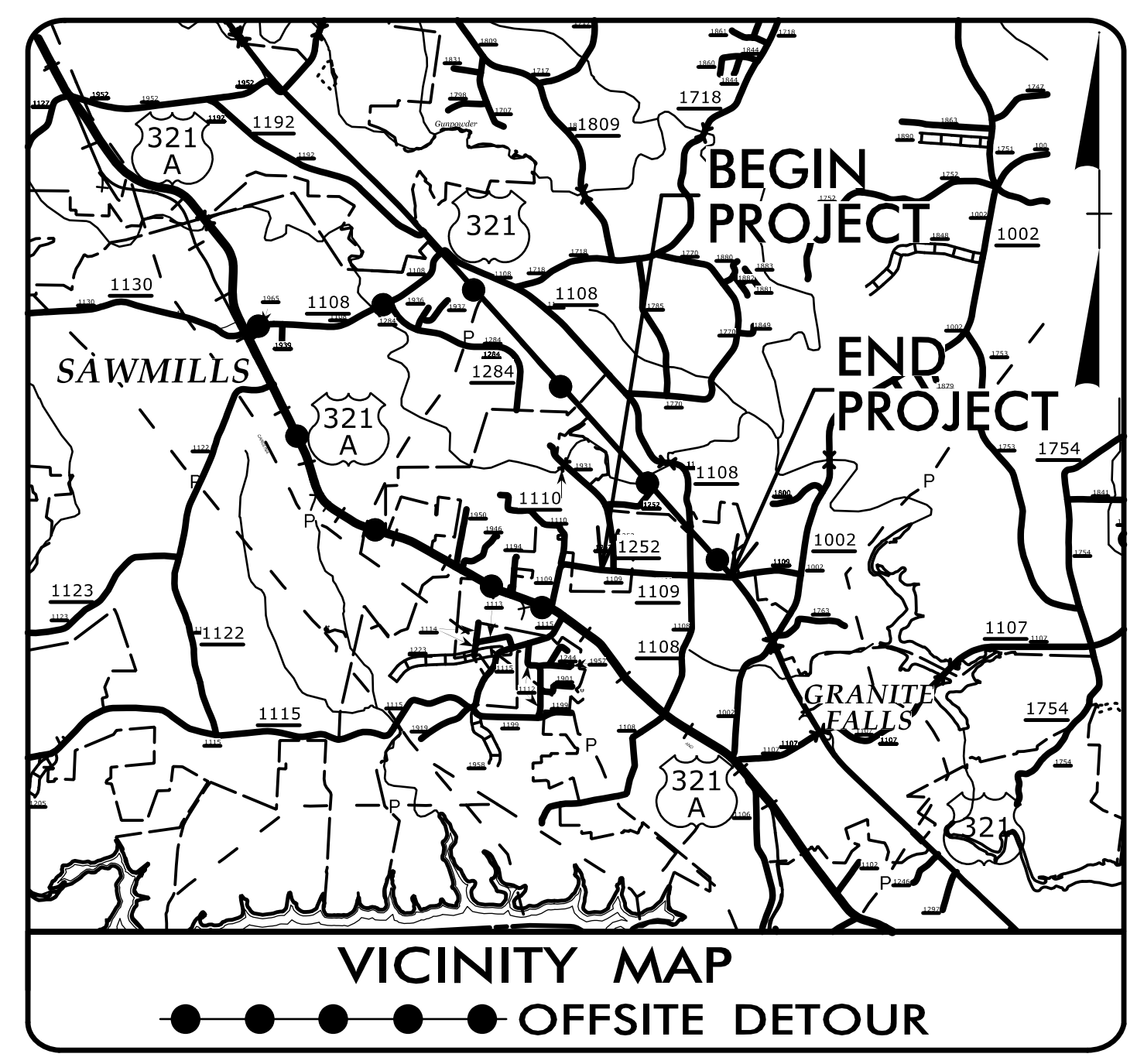


09_08/2011

TIP PROJECT: U-6036

CONTRACT: C204844

See Sheet 1A For Index of Sheets

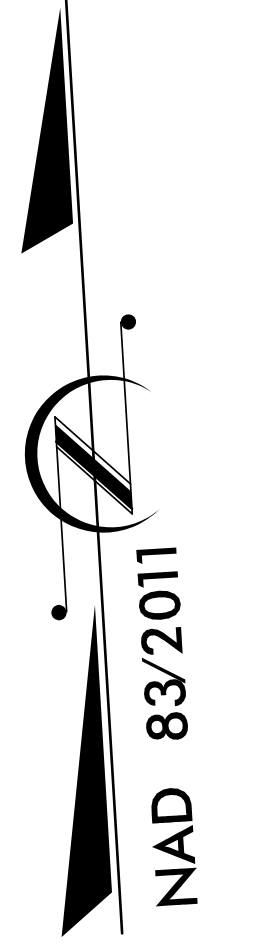
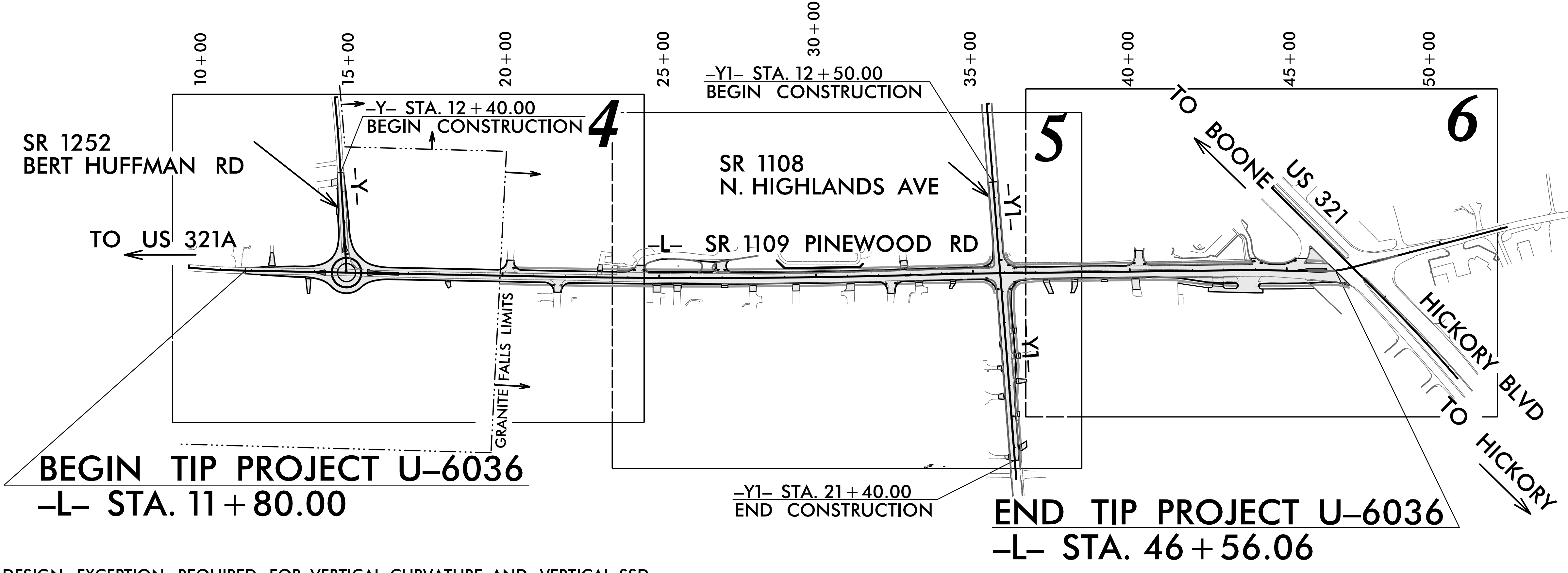


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
CALDWELL COUNTY

**LOCATION: SR 1109 (PINWOOD RD) FROM US 321
TO SR 1252 (BERT HUFFMAN RD)**

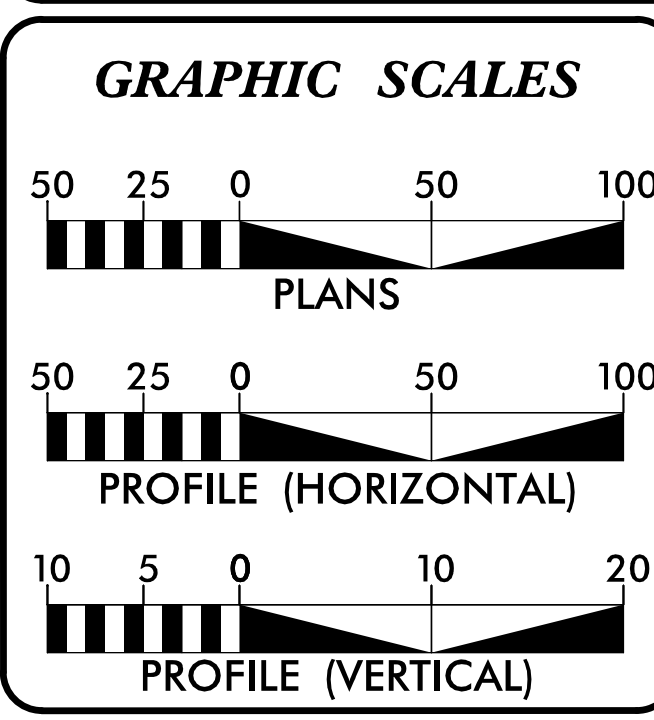
TYPE OF WORK: DRAINAGE, GRADING, PAVING, RETAINING WALL AND SIGNALS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-6036	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
46971.1.1	N/A	PE	
46971.2.1	N/A	ROW	
46971.2.2	N/A	UTIL.	
46971.3.1	N/A	CONST.	



DESIGN EXCEPTION REQUIRED FOR VERTICAL CURVATURE AND VERTICAL SSD.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2024 =	7,600
ADT 2045 =	11,580
K =	9 %
D =	50 %
T =	4 % *
V =	40 MPH
* TTST = 1% DUAL = 3%	
FUNC CLASS =	
LOCAL - RURAL	
REGIONAL TIER	

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-6036	=	0.658 MILES
TOTAL LENGTH TIP PROJECT U-6036	=	0.658 MILES

NCDOT CONTACT: RAMIE SHAW, PE

PLANS PREPARED BY: TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO. C-0275	PLANS PREPARED FOR: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 11 801 Statesville Rd North Wilkesboro, NC 28659
RIGHT OF WAY DATE: JUNE 26, 2019	JIMMY L. TERRY, PE PROJECT ENGINEER
LETTING DATE: MAY 28, 2024	CLINTON B. PRUETT, PE PROJECT DESIGN ENGINEER
2024 STANDARD SPECIFICATIONS	

HYDRAULICS ENGINEER

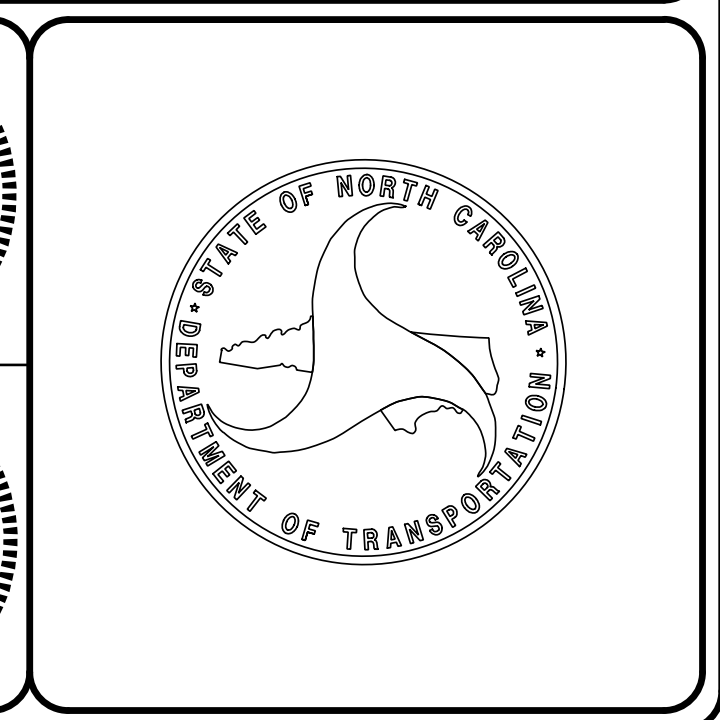
3/27/2024

DocuSigned by:
Benjamin J. Penegar
SIGNATURE

ROADWAY DESIGN ENGINEER

3/27/2024

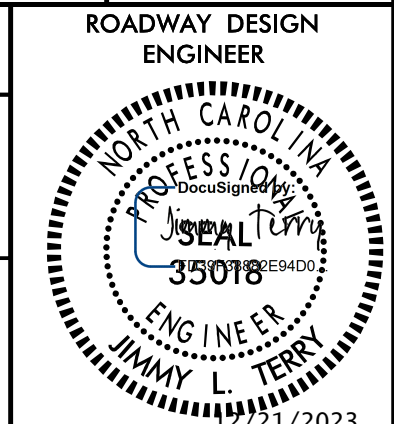
DocuSigned by:
Jimmy Terry
SIGNATURE



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UNLESS ALL SIGNATURES COMPLETED**

TGS ENGINEERS
201 W. MARION ST., STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275



INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2A-1 THRU 2A-2	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2B-1	ROADWAY DETAILS - ROUNDABOUT LAYOUT
2B-2	ROADWAY DETAILS - CONCRETE CURB & ISLAND LAYOUTS
2D-1	DRAINAGE DETAIL - PREFORMED SCOUR HOLE
2D-2	DRAINAGE DETAIL - MIN DEPTH CATCH BASIN
3B-1	ROADWAY SUMMARIES
3D-1 THRU 3D-4	DRAINAGE SUMMARIES
3G-1	GEOTECHNICAL SUMMARIES
3P-1	PARCEL INDEX SHEET
4 THRU 6	PLAN SHEETS
7 THRU 8	PROFILE SHEETS
RW-1 THRU RW-06	SURVEY CONTROL SHEETS
TMP-1 THRU TMP-9	TRAFFIC MANAGEMENT PLANS
PMP-1 THRU PMP-4	PAVEMENT MARKING PLANS
EC-1 THRU EC-9	EROSION CONTROL PLANS
SIGN-1 THRU SIGN-6	SIGNING PLANS
SIG-1.0 THRU SIG-3.3	SIGNAL PLANS
M1A-M9	STANDARD METAL POLE DETAILS
UC-1 THRU UC-13	UTILITIES CONSTRUCTION PLANS
UO-1 THRU UO-4	UTILITIES BY OTHERS PLANS
X-1A	CROSS-SECTION INDEX SHEET
X-1B	CROSS-SECTION SUMMARY SHEET
X-1 THRU X-22	CROSS-SECTIONS
W-1 THRU W-5	RETAINING WALL PLANS

GENERAL NOTES

GENERAL NOTES: 2024 SPECIFICATIONS
EFFECTIVE: 01-16-2024
REVISED:

**GRADE LINE:
GRADING AND SURFACING:**

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED 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 II.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. 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.

SUBSURFACE DRAINS:

SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 AT LOCATIONS DIRECTED BY THE ENGINEER.

DRIVEWAYS:

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

STREET TURNOUT:

STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADII NOTED ON PLANS.

GUARDRAIL:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE TOWN OF GRANITE FALLS (POWER), BLUE RIDGE ELECTRICAL MEMBERSHIP, CENTURY LINK, SPECTRUM, MOX NETWORKS, PIEDMONT NATURAL GAS, AND TOWN OF GRANITE FALLS (WATER & SEWER)

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.

CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.06.

STANDARD DRAWINGS

EFF. 01-16-2024
REV.

2024 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Contracts Standards and Development Unit - N. C. Department of Transportation - Raleigh, N. C., Dated January 16, 2024 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 II
225.02 Guide for Grading Subgrade - Secondary and Local
225.04 Method of Obtaining Superelevation - Two Lane Pavement
225.06 Method of Grading Sight Distance at Intersections

DIVISION 3 - PIPE CULVERTS

300.01 Method of Pipe Installation
310.10 Driveway Pipe Construction

DIVISION 5 - SUBGRADE, BASES AND SHOULDERS

560.01 Method of Shoulder Construction - High Side of Superelevated Curve - Method I

DIVISION 6 - ASPHALT BASES AND PAVEMENTS

654.01 Pavement Repairs

DIVISION 8 - INCIDENTALS

815.02 Subsurface Drain
840.00 Concrete Base Pad for Drainage Structures
840.01 Brick Catch Basin - 12" thru 54" Pipe
840.02 Concrete Catch Basin - 12" thru 54" Pipe
840.03 Frame, Gates and Hood - for Use on Standard Catch Basin
840.14 Concrete Drop Inlet - 12" thru 30" Pipe
840.15 Brick Drop Inlet - 12" thru 30" Pipe
840.16 Drop Inlet Frame and Grates - for use with Std. Dwg 840.14 and 840.15
840.18 Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.24 Frames and Narrow Slot Sag Grates
840.25 Anchorage for Frames - Brick or Concrete or Precast
840.27 Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.29 Frames and Narrow Slot Flat Grates
840.31 Concrete Junction Box - 12" thru 66" Pipe
840.32 Brick Junction Box - 12" thru 66" Pipe
840.35 Traffic Bearing Grated Drop Inlet - for Cast Iron Double Frame and Grates
840.45 Precast Drainage Structure
840.46 Traffic Bearing Precast Drainage Structure
840.54 Manhole Frame and Cover
840.66 Drainage Structure Steps
846.01 Concrete Curb, Gutter and Curb & Gutter
848.01 Concrete Sidewalk
848.02 Driveway Turnout - Radius Type
848.04 Street Turnout
848.06 Curb Ramp
852.01 Concrete Islands
852.06 Method for Placement of Drop Inlets in Concrete Islands
862.01 Guardrail Placement
862.02 Guardrail Installation
866.01 Chain Link Fence - 4', 5' and 6' High Fence
866.06 Chain Link Fence on Retaining Wall
876.01 Rip Rap in Channels and Ditches
876.02 Guide for Rip Rap at Pipe Outlets
876.04 Drainage Ditches with Class 'B' Rip Rap

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

Note: Not to Scale

BOUNDARIES AND PROPERTY:

State Line	_____
County Line	_____
Township Line	_____
City Line	_____
Reservation Line	_____
Property Line	_____
Existing Iron Pin (EIP)	○
Computed Property Corner	×
Existing Concrete 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	-S-S-
Potential Contamination Area: Soil	-S-S-
Known Contamination Area: Water	-W-W-
Potential Contamination Area: Water	-W-W-
Contaminated Site: Known or Potential	☠ ?

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○
Well	○
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	○
Switch	□
RR Abandoned	_____
RR Dismantled	_____

RIGHT OF WAY & PROJECT CONTROL:

Primary Horiz Control Point	○
Primary Horiz and Vert Control Point	○
Secondary Horiz and Vert Control Point	○
Vertical Benchmark	⊠
Existing Right of Way Monument	△
Proposed Right of Way Monument (Rebar and Cap)	▲
Proposed Right of Way Monument (Concrete)	▲
Existing Permanent Easement Monument	◇
Proposed Permanent Easement Monument (Rebar and Cap)	◇
Existing C/A Monument	▲
Proposed C/A Monument (Rebar and Cap)	▲
Proposed C/A Monument (Concrete)	▲
Existing Right of Way Line	_____
Proposed Right of Way Line	_____
Existing Control of Access Line	_____
Proposed Control of Access Line	_____
Proposed ROW and CA Line	_____
Existing Easement Line	_____
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-

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	_____
Existing Curb	_____
Proposed Slope Stakes Cut	-C-
Proposed Slope Stakes Fill	-F-
Proposed Curb Ramp	○
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	_____
Bridge Wing Wall, Head Wall and End Wall	_____
MINOR:	
Head and End Wall	_____
Pipe Culvert	_____
Footbridge	_____
Drainage Box: Catch Basin, DI or JB	□
Paved Ditch Gutter	_____
Storm Sewer Manhole	○
Storm Sewer	-S-

UTILITIES:

* SUE - Subsurface Utility Engineering
LOS - Level of Service - A,B,C or D (Accuracy)

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	●
U/G Power Line Test Hole (SUE - LOS A)*	⊗
U/G Power Line (SUE - LOS B)*	-----P-----
U/G Power Line (SUE - LOS C)*	-----P-----
U/G Power Line (SUE - LOS D)*	-----P-----

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	○
Telephone Pedestal	⊠
Telephone Cell Tower	⊠
U/G Telephone Cable Hand Hole	□
U/G Telephone Test Hole (SUE - LOS A)*	⊗
U/G Telephone Cable (SUE - LOS B)*	-----T-----
U/G Telephone Cable (SUE - LOS C)*	-----T-----
U/G Telephone Cable (SUE - LOS D)*	-----T-----
U/G Telephone Conduit (SUE - LOS B)*	-----TC-----
U/G Telephone Conduit (SUE - LOS C)*	-----TC-----
U/G Telephone Conduit (SUE - LOS D)*	-----TC-----
U/G Fiber Optics Cable (SUE - LOS B)*	-----TFO-----
U/G Fiber Optics Cable (SUE - LOS C)*	-----TFO-----
U/G Fiber Optics Cable (SUE - LOS D)*	-----TFO-----

WATER:

Water Manhole	○
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line Test Hole (SUE - LOS A)*	⊗
U/G Water Line (SUE - LOS B)*	-----W-----
U/G Water Line (SUE - LOS C)*	-----W-----
U/G Water Line (SUE - LOS D)*	-----W-----
Above Ground Water Line	-----A/G Water-----
TV:	
TV Pedestal	□
TV Tower	⊗
U/G TV Cable Hand Hole	□
U/G TV Test Hole (SUE - LOS A)*	⊗
U/G TV Cable (SUE - LOS B)*	-----TV-----
U/G TV Cable (SUE - LOS C)*	-----TV-----
U/G TV Cable (SUE - LOS D)*	-----TV-----
U/G Fiber Optic Cable (SUE - LOS B)*	-----TV FO-----
U/G Fiber Optic Cable (SUE - LOS C)*	-----TV FO-----
U/G Fiber Optic Cable (SUE - LOS D)*	-----TV FO-----

GAS:

Gas Valve	◇
Gas Meter	⊕
U/G Gas Line Test Hole (SUE - LOS A)*	⊗
U/G Gas Line (SUE - LOS B)*	-----G-----
U/G Gas Line (SUE - LOS C)*	-----G-----
U/G Gas Line (SUE - LOS D)*	-----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 Force Main Line Test Hole (SUE - LOS A)*	⊗
SS Force Main Line (SUE - LOS B)*	-----FSS-----
SS Force Main Line (SUE - LOS C)*	-----FSS-----
SS Force Main Line (SUE - LOS D)*	-----FSS-----

MISCELLANEOUS:

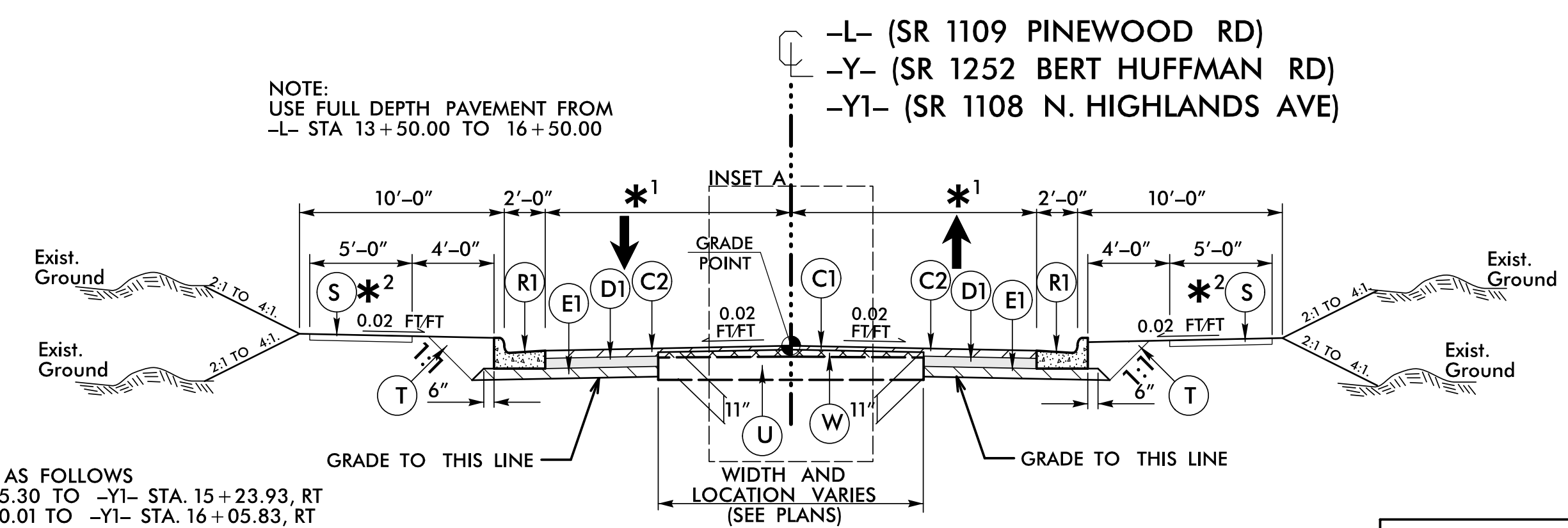
Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊠
Utility Unknown U/G Line (SUE - LOS B)*	-----UTL-----
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	(UST)
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
Abandoned According to Utility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

6/2/2023

FINAL PAVEMENT SCHEDULE

C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 1 1/2" IN DEPTH.
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
D2	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 2 1/2" IN DEPTH OR GREATER THAN 4" IN DEPTH.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5 1/2" IN DEPTH.
J1	PROP. 9" AGGREGATE BASE COURSE.
K2	CLASS IV SUBGRADE STABILIZATION
N2	GEOTEXTILE FOR SUBGRADE STABILIZATION
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	EXPRESSWAY GUTTER
R3	7" MONOLITHIC CONCRETE TRUCK APRON REINFORCED WITH 4X4 W3.5 X W 3.5 OR 6X6 W5 X W5 WIRE MESH.
R4	9" X 12" CONCRETE CURB
R5	5" MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED)
S	CONCRETE SIDEWALK.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V	MILLING EXISTING PAVEMENT, SEE SHEET 2A-2 FOR DETAIL
W	WEDGING EXISTING PAVEMENT, SEE SHEET 2A-2 FOR DETAILS

PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

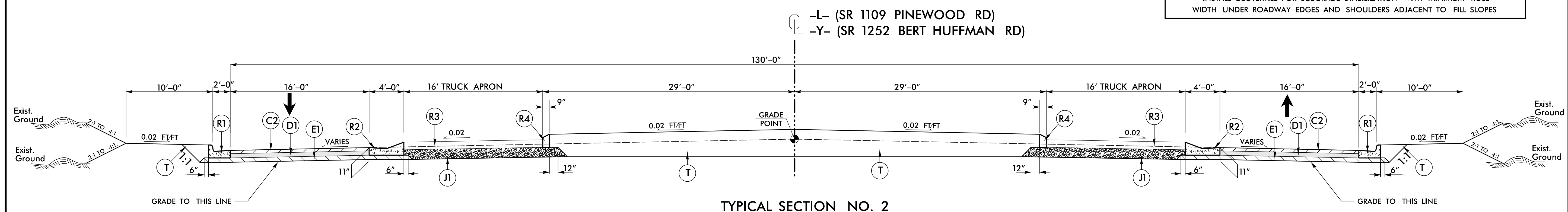
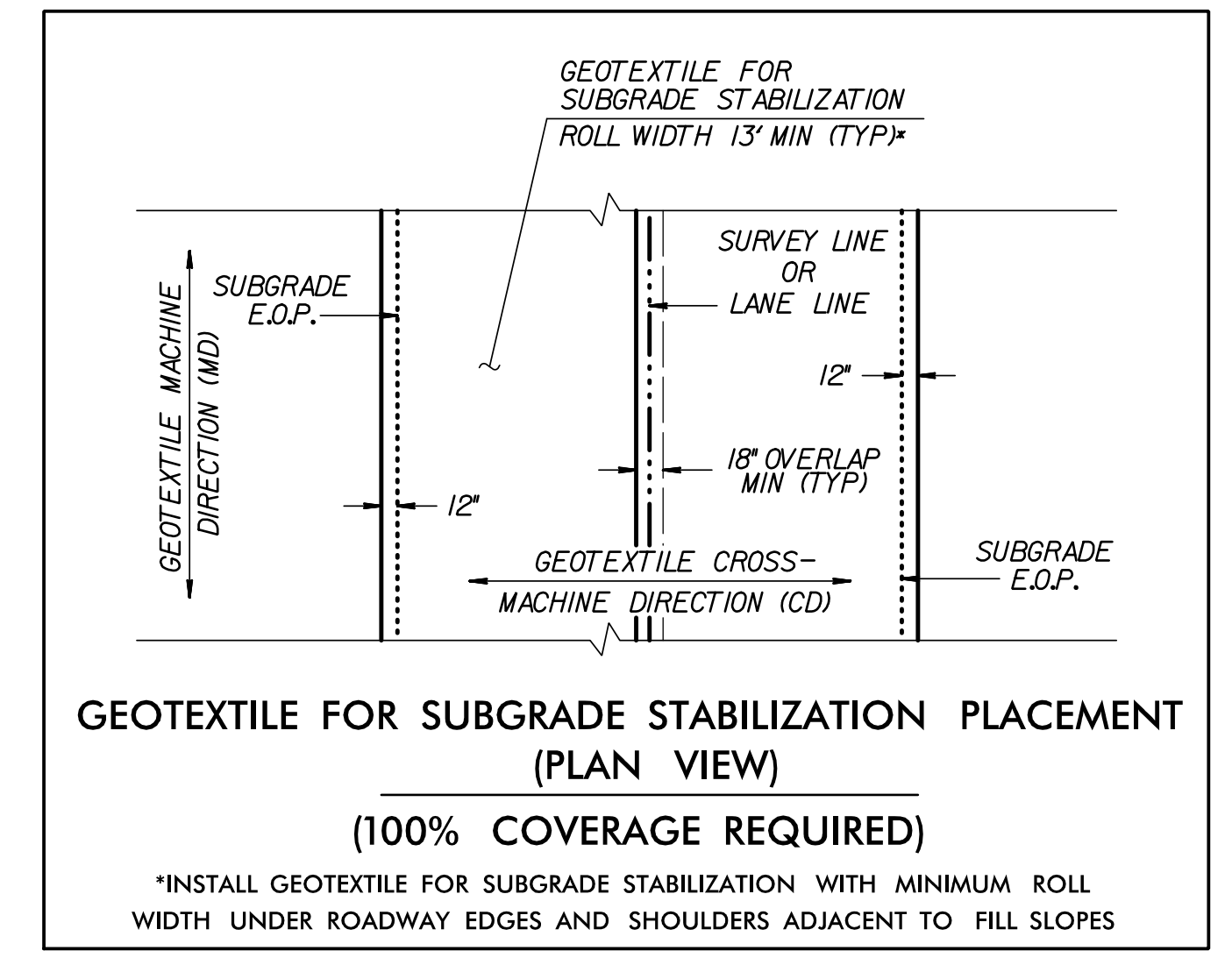
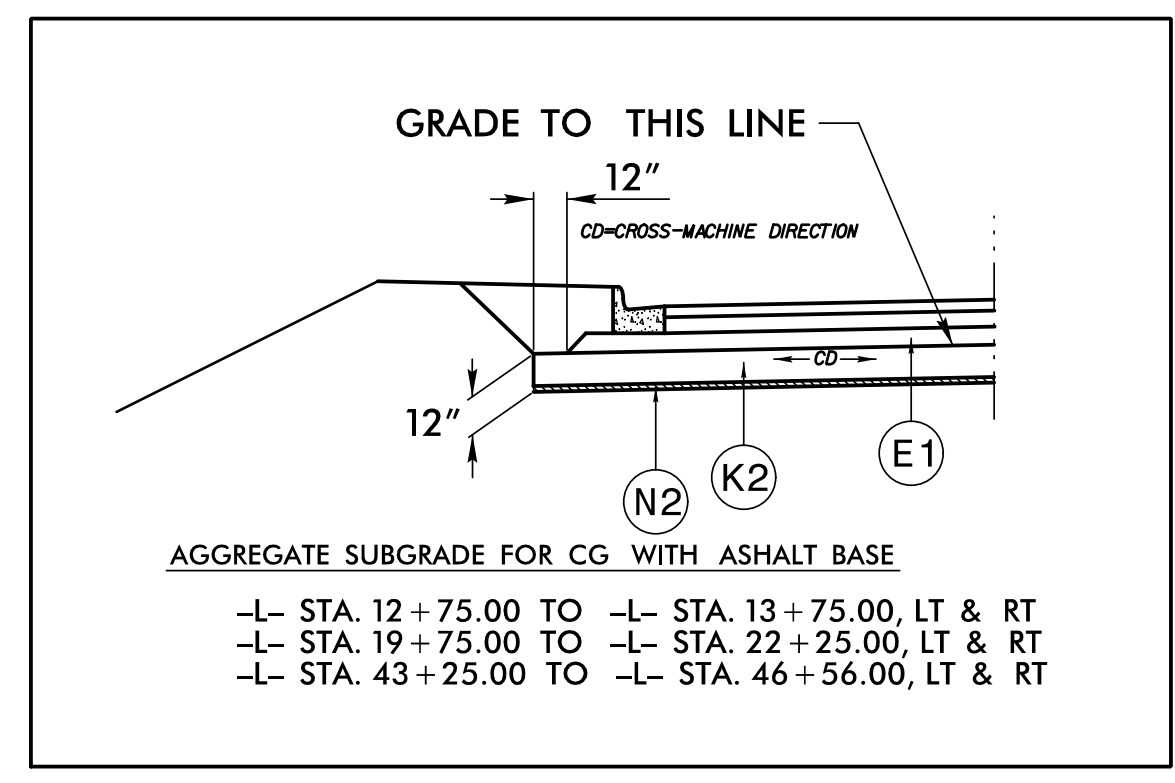
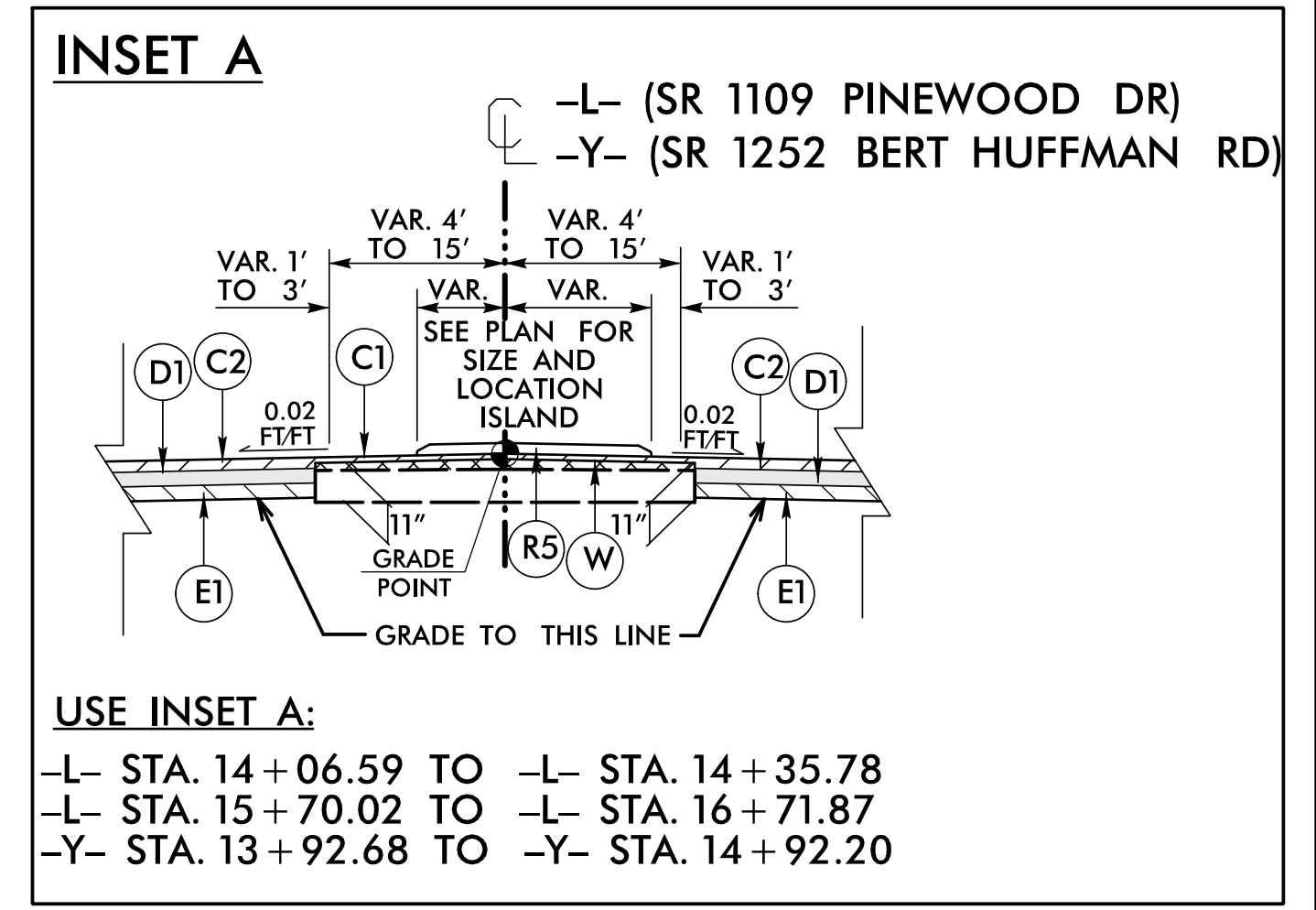


TYPICAL SECTION NO. 1

USE TYPICAL SECTION NO. 1

*1	STA. TO STA.
12'-0"	-L- STA. 12+30.00 TO -L- STA. 12+38.00 -Y- STA. 12+90.00 TO -Y- STA. 12+94.41
12'-0" TO 16'-0"	-L- STA. 12+38.00 TO -L- STA. 13+38.00 -Y- STA. 12+94.41 TO -Y- STA. 13+94.41
14'-0"	-Y1- STA. 13+00.00 TO -Y1- STA. 14+48.57, RT -Y1- STA. 13+00.00 TO -Y1- STA. 14+78.12, LT -Y1- STA. 16+05.83 TO -Y1- STA. 20+90.00, RT -Y1- STA. 19+40.00 TO -Y1- STA. 20+90.00, LT
16'-0"	-Y- STA. 13+94.41 TO -Y- STA. 14+22.51
26'-0"	-Y1- STA. 16+46.82 TO -Y1- STA. 18+40.00, LT
14'-0" TO 26'-0"	-Y1- STA. 18+40.00 TO -Y1- STA. 19+40.00, LT
VARIES (SEE PLANS)	
	-L- STA. 13+38.00 TO -L- STA. 14+38.00 -L- STA. 15+68.00 TO -L- STA. 16+37.91 -Y- STA. 14+22.51 TO -Y- STA. 14+94.41 -Y1- STA. 14+48.57 TO -Y1- STA. 15+23.93, RT -Y1- STA. 14+78.12 TO -Y1- STA. 15+23.93, LT -Y1- STA. 15+60.01 TO -Y1- STA. 16+05.83, RT -Y1- STA. 15+60.01 TO -Y1- STA. 16+46.82, LT

NOTE: TRANSITION BETWEEN TYP. SECT. NO. 1 AND EXISTING AS FOLLOWS:
-L- STA. 11+80.00 TO -L- STA. 12+30.00
-Y- STA. 12+40.00 TO -Y- STA. 13+00.00
-Y1- STA. 12+50.00 TO -Y1- STA. 13+00.00
-Y1- STA. 20+90.00 TO -Y1- STA. 21+40.00



TYPICAL SECTION NO. 2

USE TYPICAL SECTION NO. 2

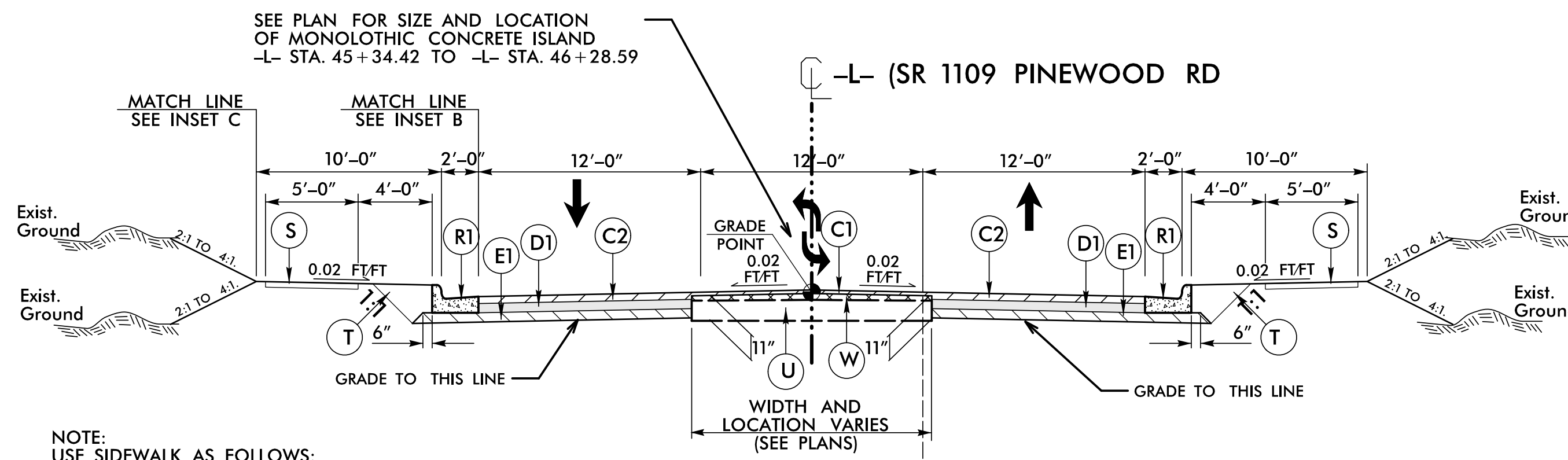
-L- STA. 14+38.00 TO -L- STA. 15+68.00
-Y- STA. 14+94.41 TO -Y- STA. 15+59.41

PROJECT REFERENCE NO. U-6036	SHEET NO. 2A-1
ROADWAY DESIGN ENGINEER JIMMY L. TERRY 35018 12/21/2023	PAVEMENT DESIGN ENGINEER RAMIE A. SHAW 04985 12/24/2023
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

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6/2/2023

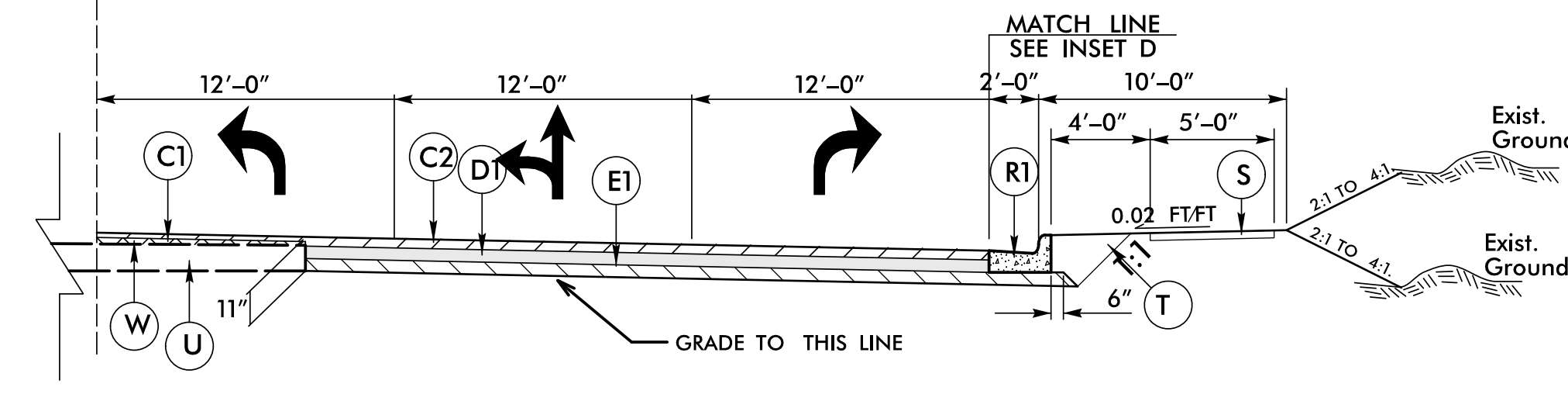
PAVEMENT SCHEDULE	
C1	1 1/2" S9.5C
C2	3" S9.5C
C3	VAR. S9.5C
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	VAR. B25.0C
R1	2'-6" C&G
R4	9" X 12" CURB
S	SIDEWALK
T	EARTH MATERIAL
U	EXIST. PAVEMENT
V	MILLING
W	WEDGING



NOTE:
 USE SIDEWALK AS FOLLOWS:
 -L- STA. 20+43.03 TO -L- STA. 46+56.06, LT
 -L- STA. 19+91.67 TO -L- STA. 46+56.06, RT

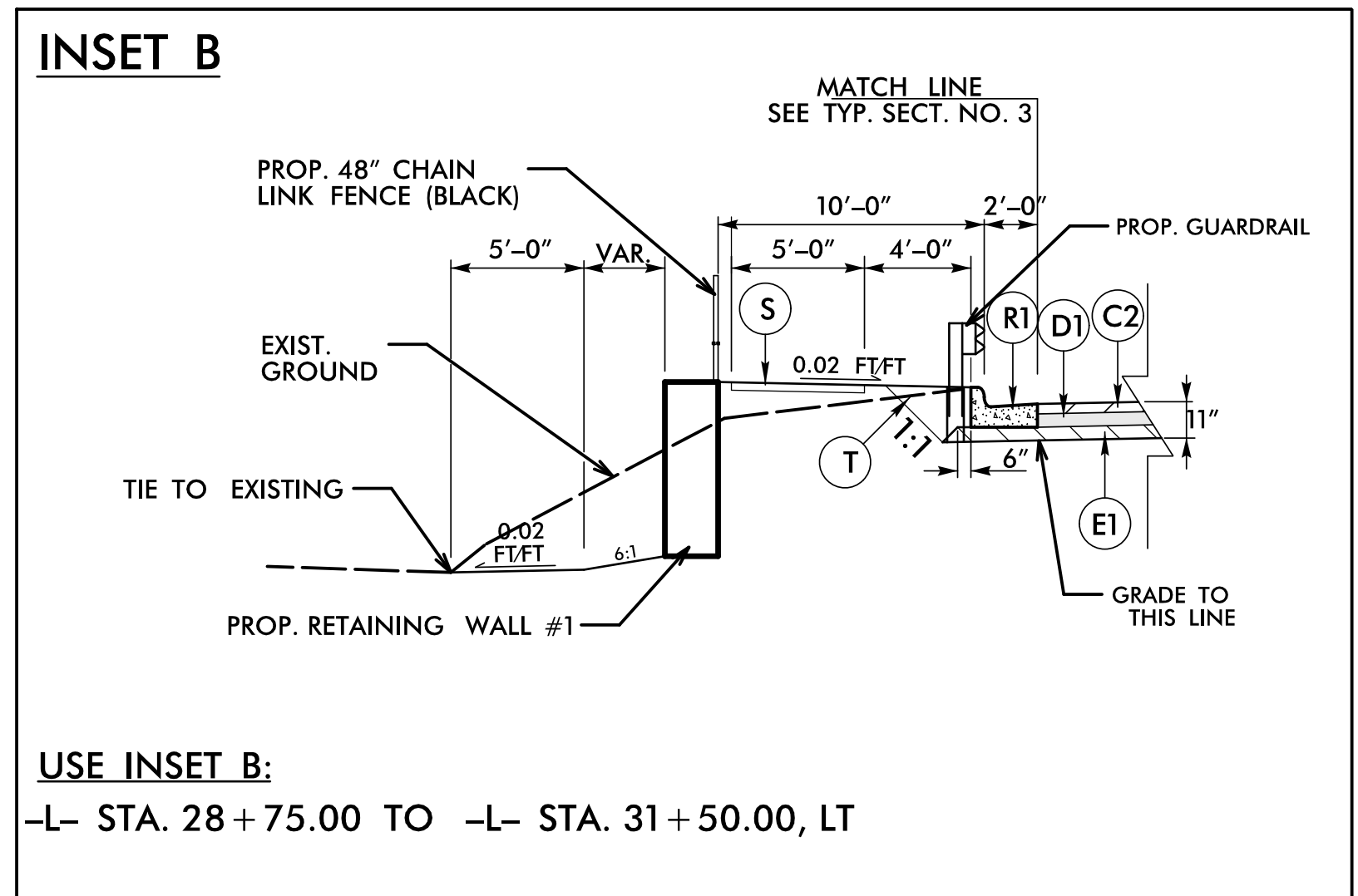
TYPICAL SECTION NO. 3

USE TYPICAL SECTION NO. 3
 -L- STA. 16+37.91 TO -L- STA. 46+56.06

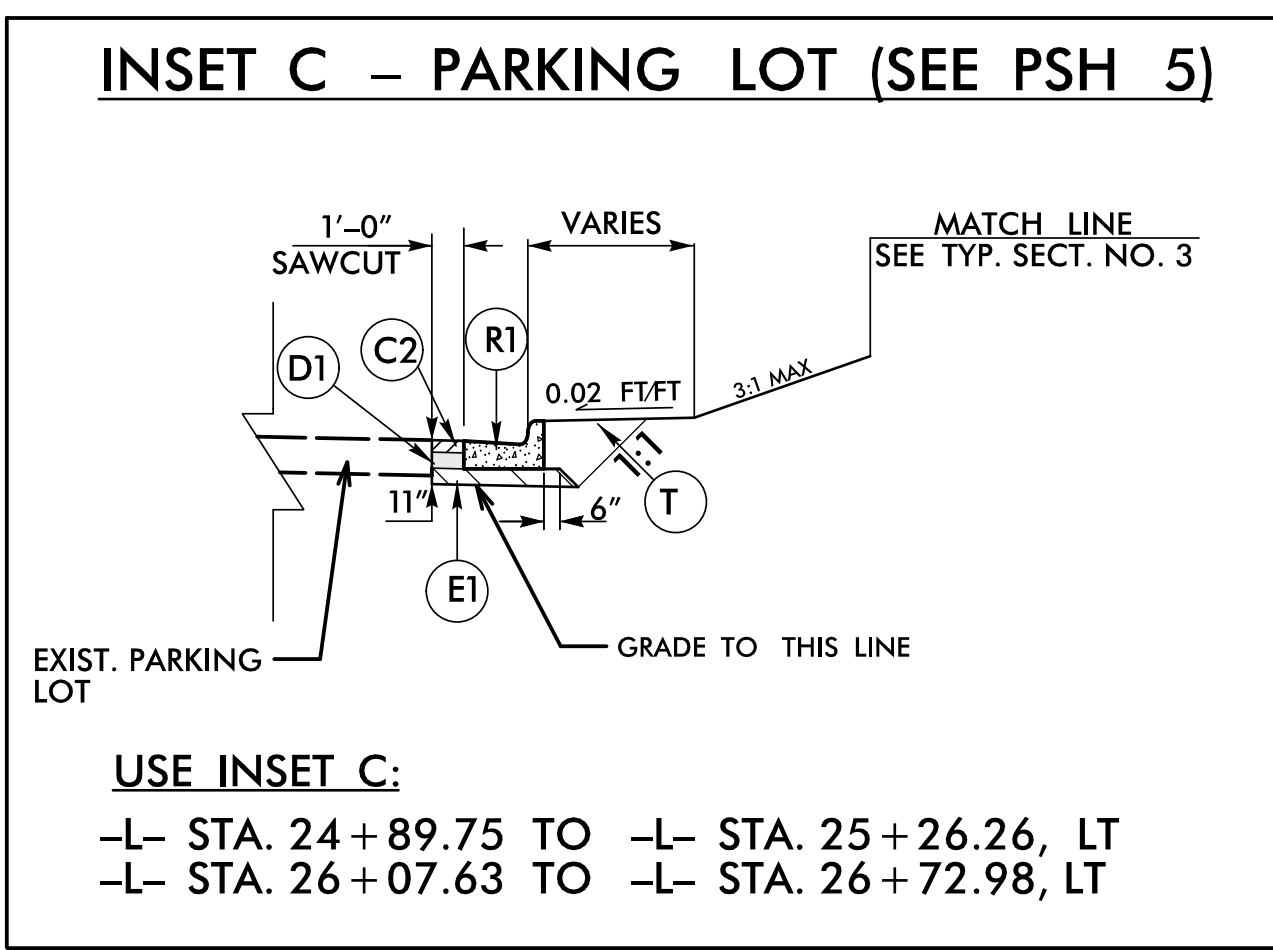


PART SECTION NO. 3A

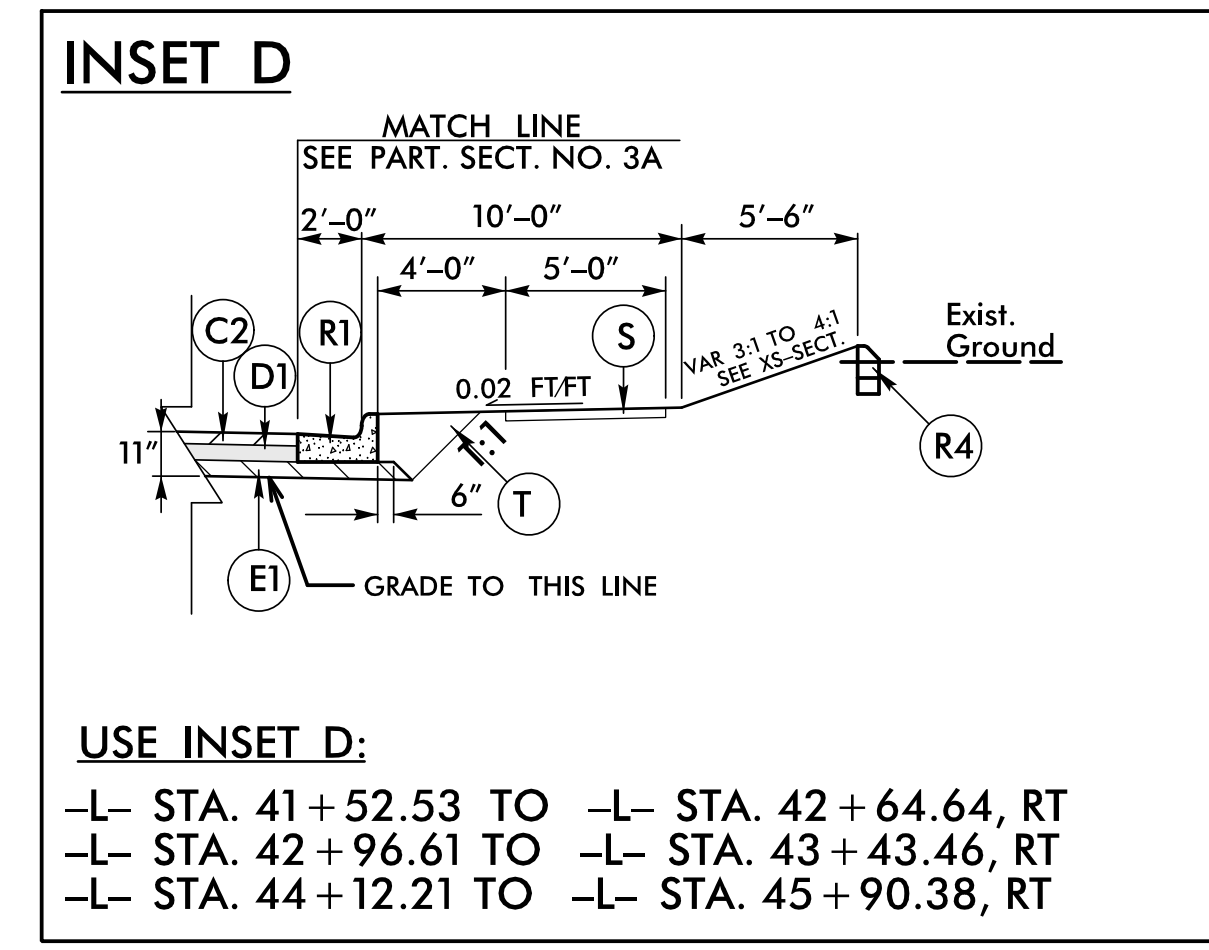
USE PART SECTION NO. 3A
 -L- STA. 40+80.00 TO -L- STA. 46+56.06



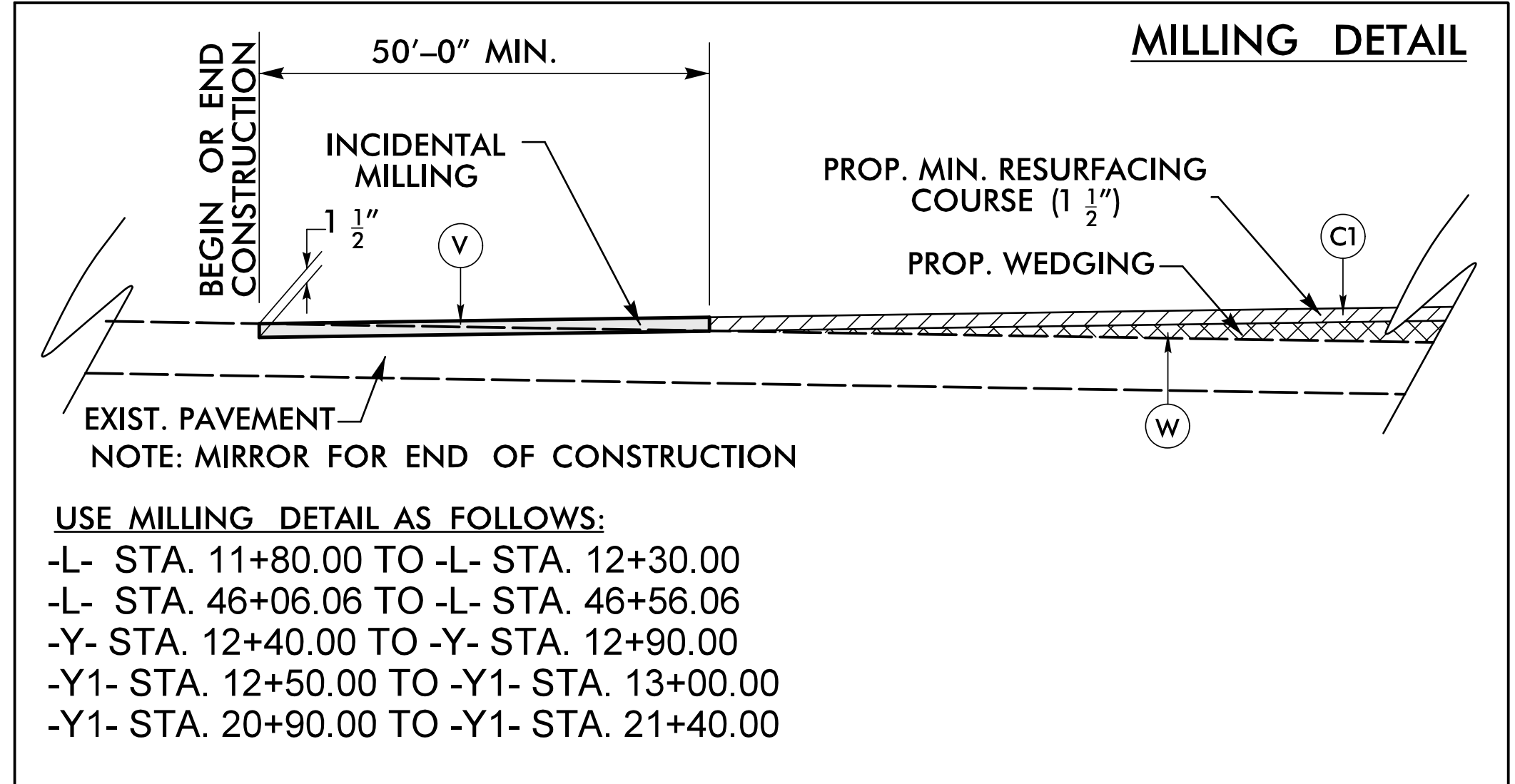
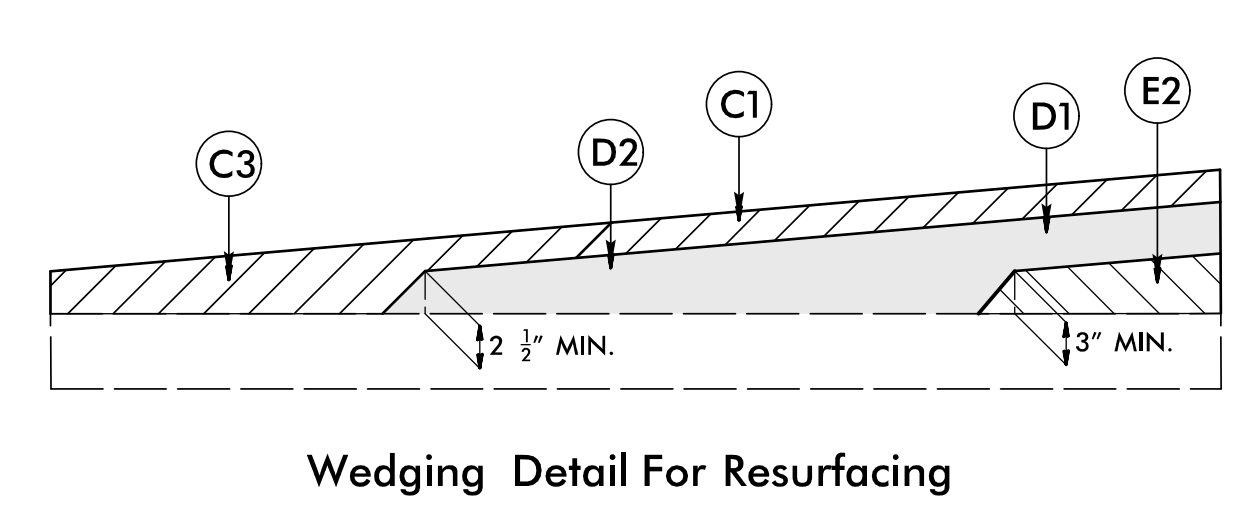
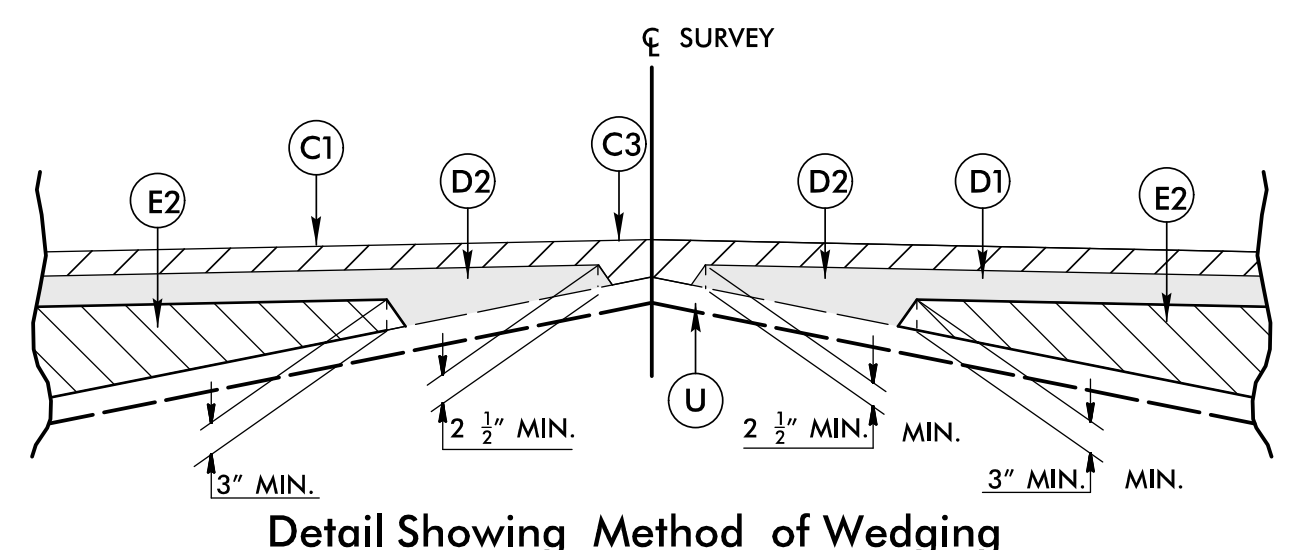
USE INSET B:
 -L- STA. 28+75.00 TO -L- STA. 31+50.00, LT



USE INSET C:
 -L- STA. 24+89.75 TO -L- STA. 25+26.26, LT
 -L- STA. 26+07.63 TO -L- STA. 26+72.98, LT



USE INSET D:
 -L- STA. 41+52.53 TO -L- STA. 42+64.64, RT
 -L- STA. 42+96.61 TO -L- STA. 43+43.46, RT
 -L- STA. 44+12.21 TO -L- STA. 45+90.38, RT



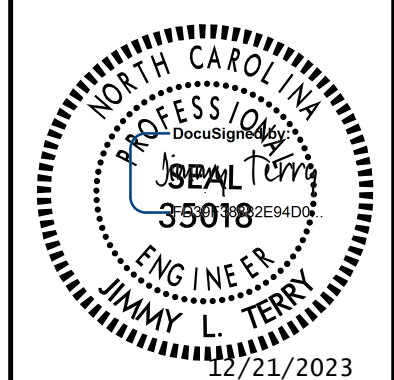
USE MILLING DETAIL AS FOLLOWS:
 -L- STA. 11+80.00 TO -L- STA. 12+30.00
 -L- STA. 46+06.06 TO -L- STA. 46+56.06
 -Y- STA. 12+40.00 TO -Y- STA. 12+90.00
 -Y1- STA. 12+50.00 TO -Y1- STA. 13+00.00
 -Y1- STA. 20+90.00 TO -Y1- STA. 21+40.00

PROJECT REFERENCE NO. U-6036	SHEET NO. 2A-2
ROADWAY DESIGN ENGINEER JOEAL TERRY 35018	PAVEMENT DESIGN ENGINEER RAMIE A. SHAW 04985
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	
<p>TGS ENGINEERS 201 W. MARION ST., STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275</p>	

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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-6036	2B-1
RW SHEET NO.	



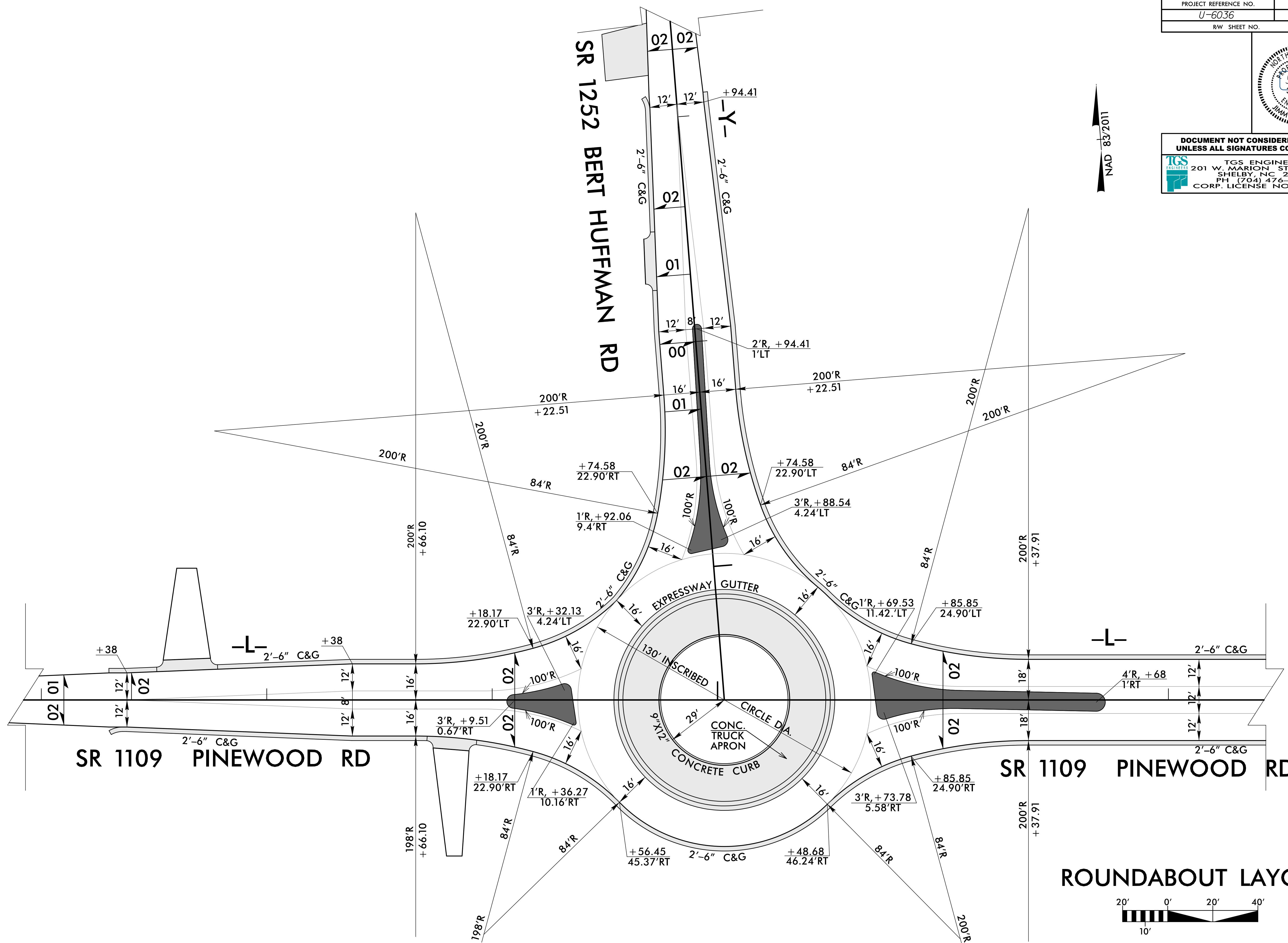
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

TGS ENGINEERS
 201 W. MARION ST., STE 200
 SHELBY, NC 28150
 PH: (704) 476-0003
 CORP. LICENSE NO.: C-0275

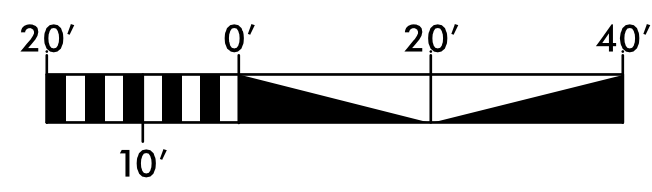


REVISIONS

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 12/21/2023
 JLT



ROUNABOUT LAYOUT



8/17/99

9"X12" CONCRETE CURB & MONOLITHIC CONCRETE ISLAND LAYOUTS

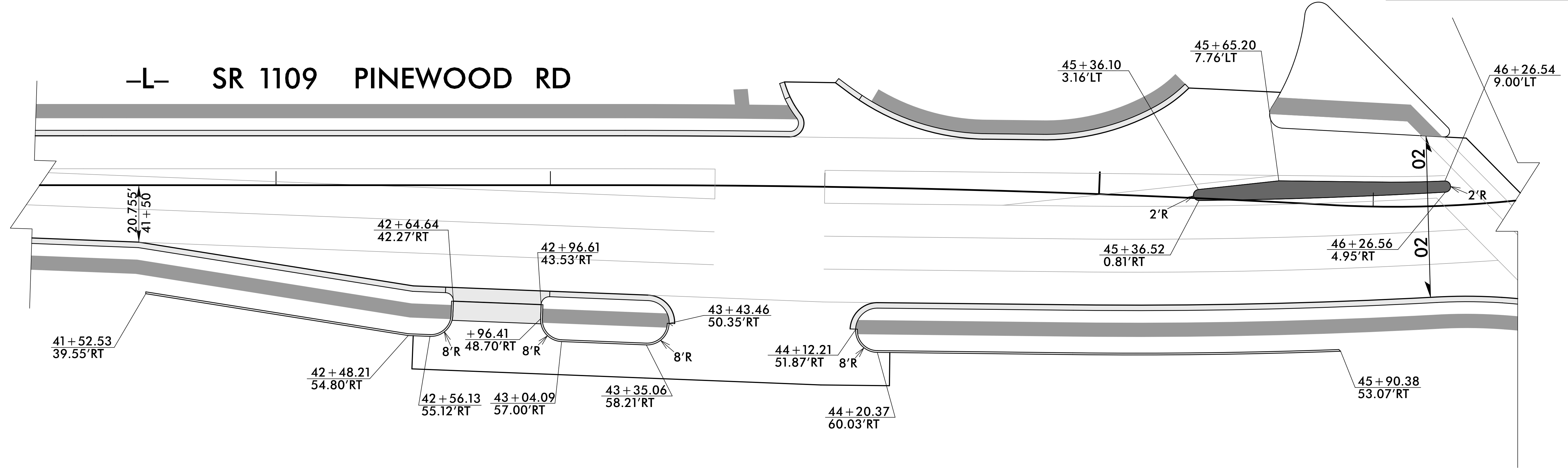
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	

NAD 83/2011

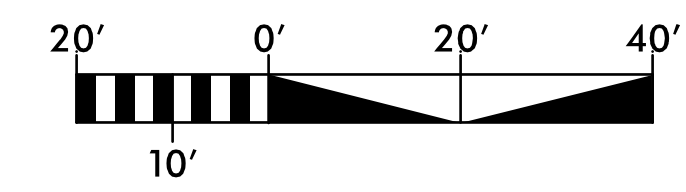
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

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SHELBY, NC 28150
PH: (704) 476-0003
CORP. LICENSE NO.: C-0275

-L- SR 1109 PINWOOD RD



REVISIONS



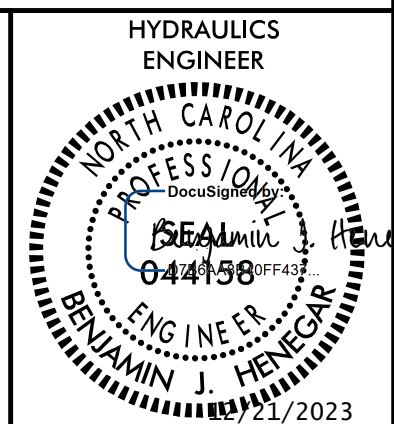
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 11/20/2003
 J. Terry

8/17/99

REVISIONS

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U-6036_Prefomed_Scour_Hole.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-6036	2D-1
RW SHEET NO.	



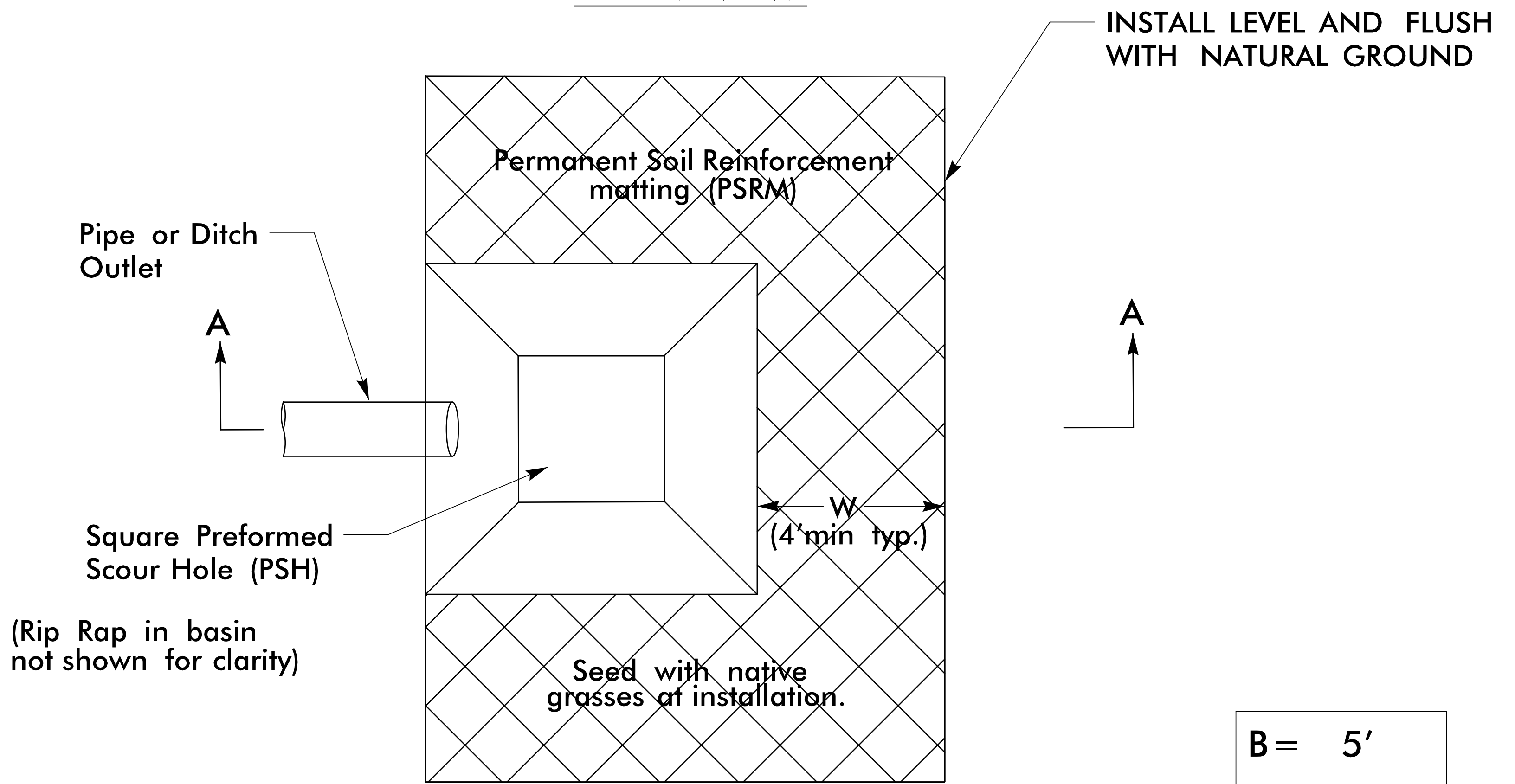
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TGS ENGINEERS
 201 W. MARION ST, STE 200
 SHELBY, NC 28150
 PH: (704) 476-0003
 CORP. LICENSE NO.: C-0275

PREFORMED SCOUR HOLE

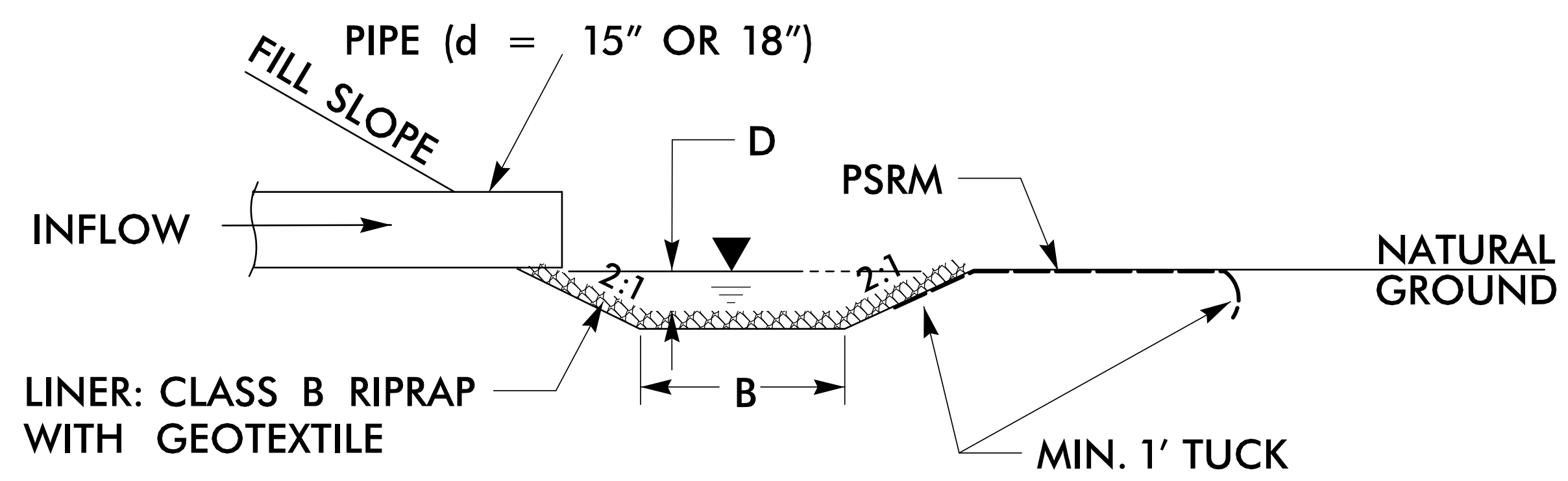
*NOT TO SCALE

PLAN VIEW



B = 5'
 D = 2'
 W = 4'

SECTION A-A

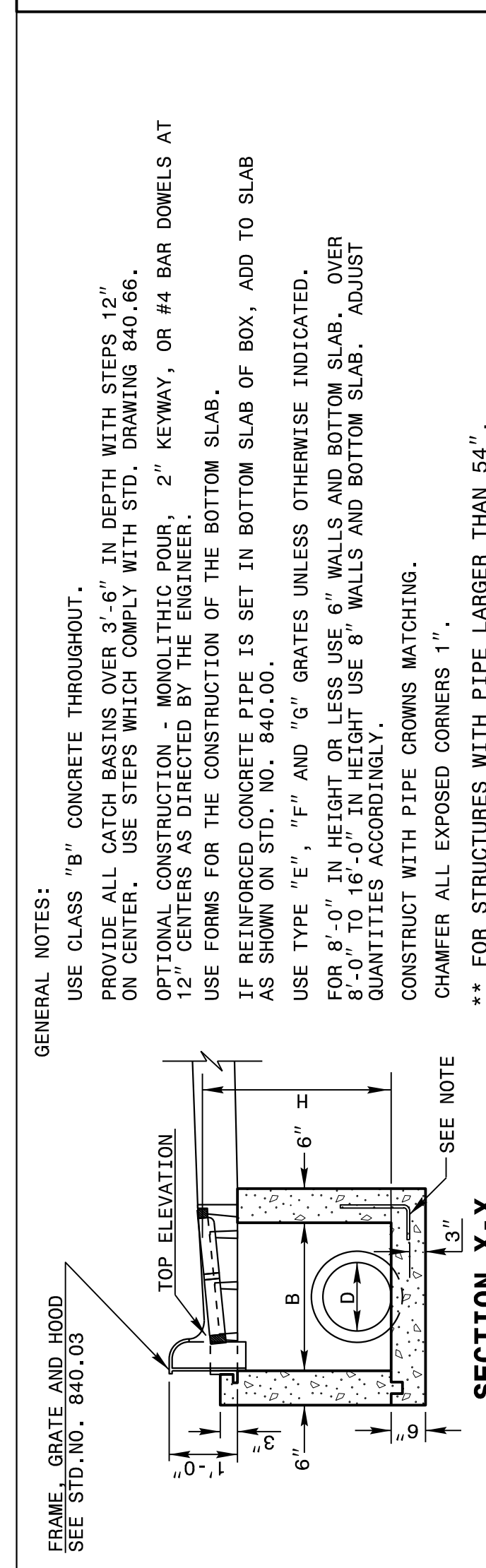
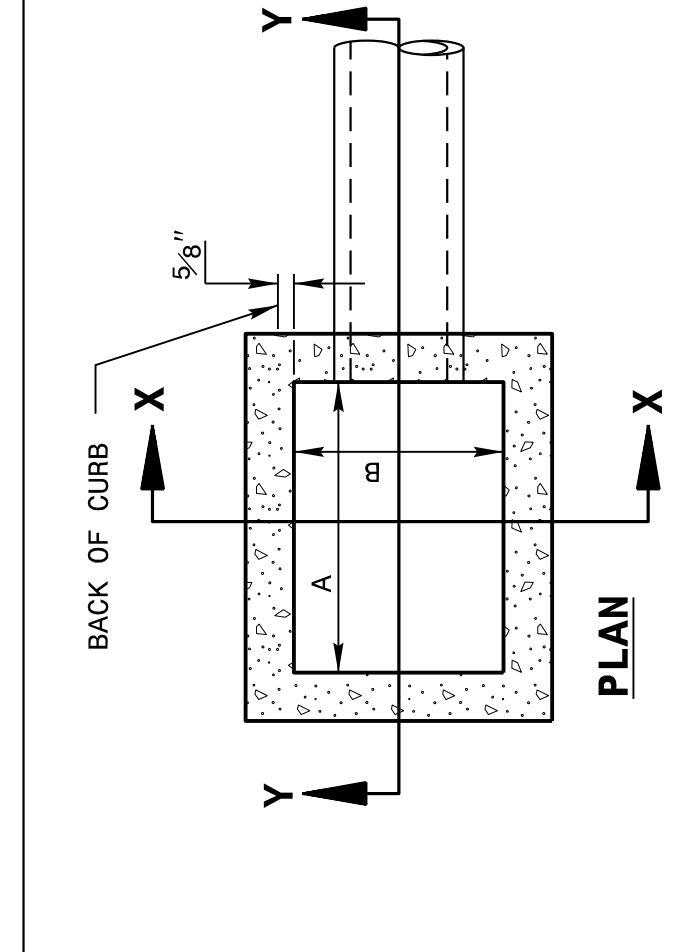


SEE PLAN VIEW FOR PREFORMED SCOUR HOLE LOCATIONS

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 jhowerton AT CSD-292595

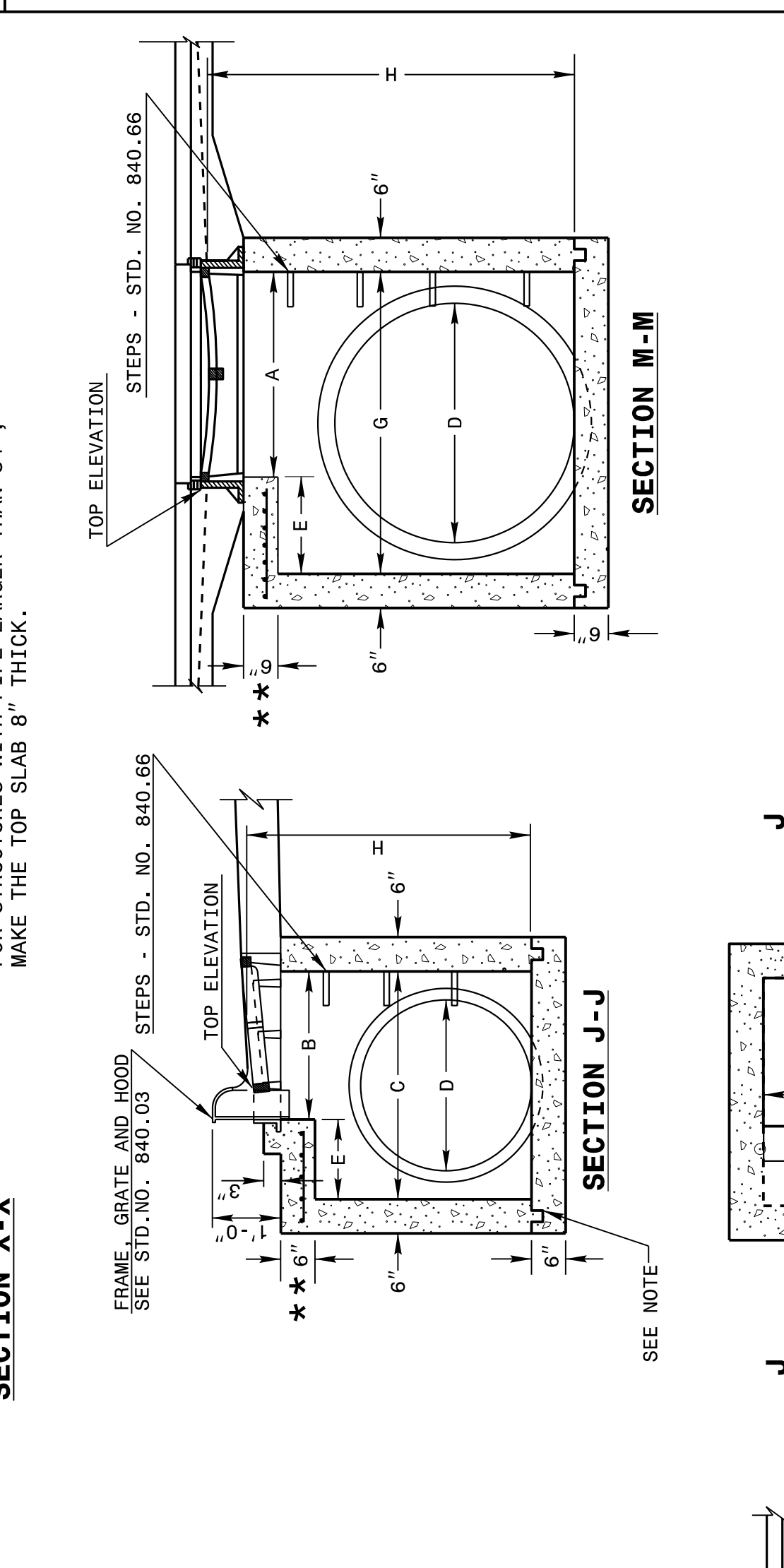
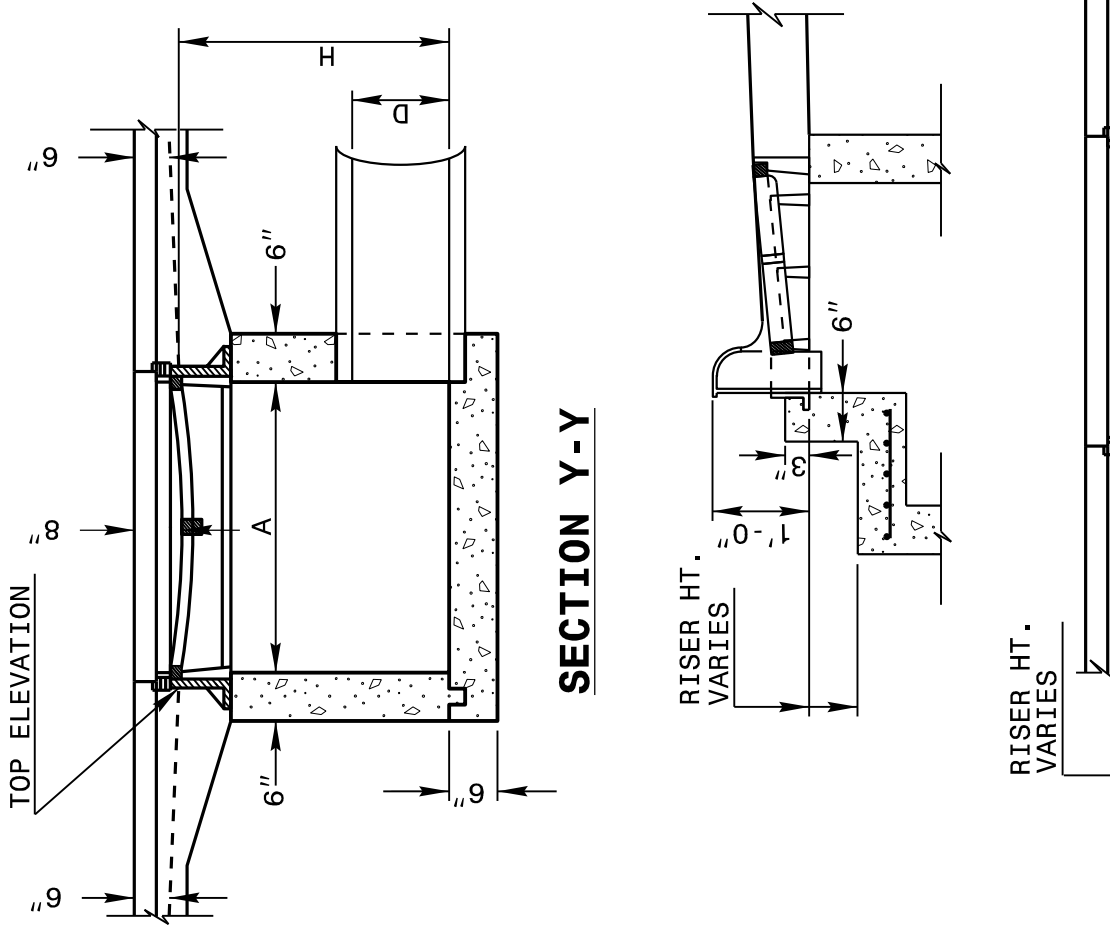
5/14/99

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.



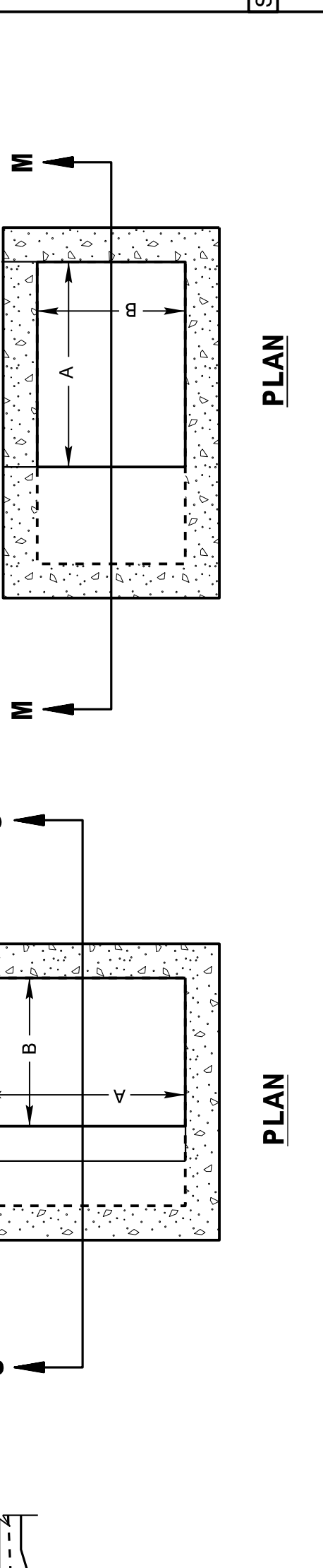
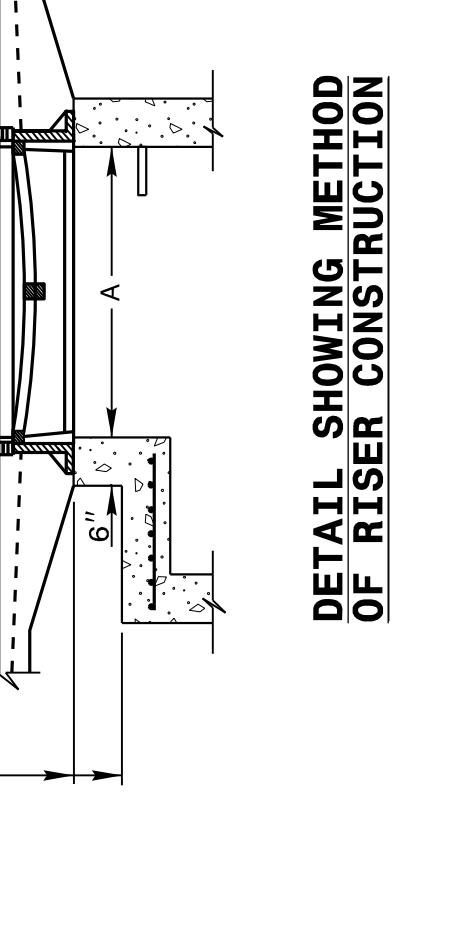
STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MINIMUM DEPTH
CONCRETE CATCH BASIN
 12" THRU 84" PIPE



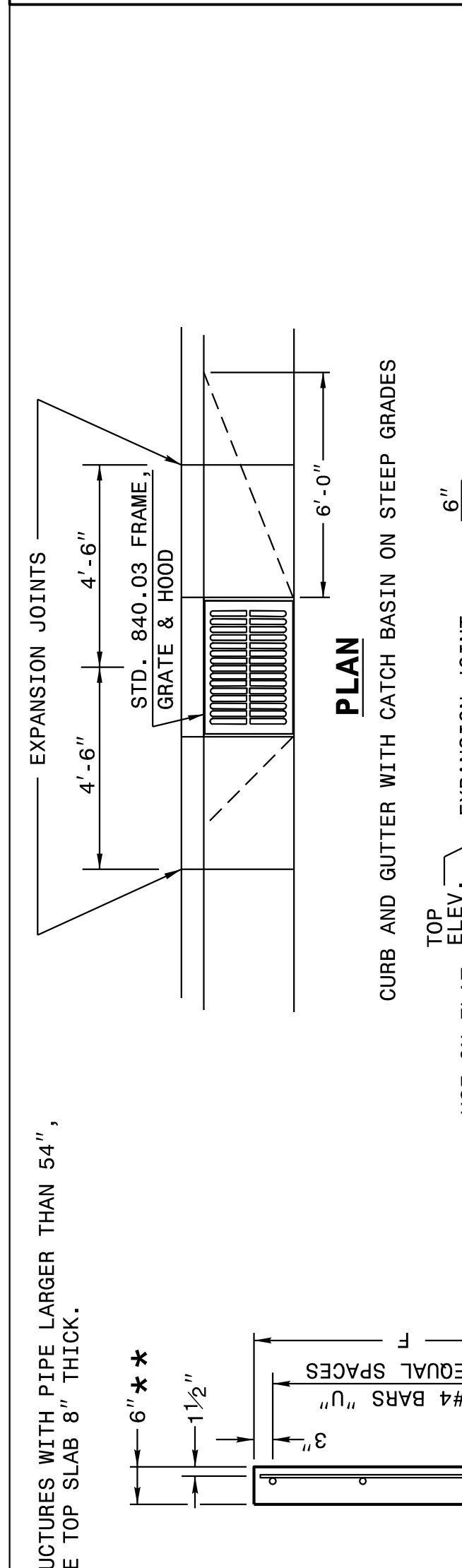
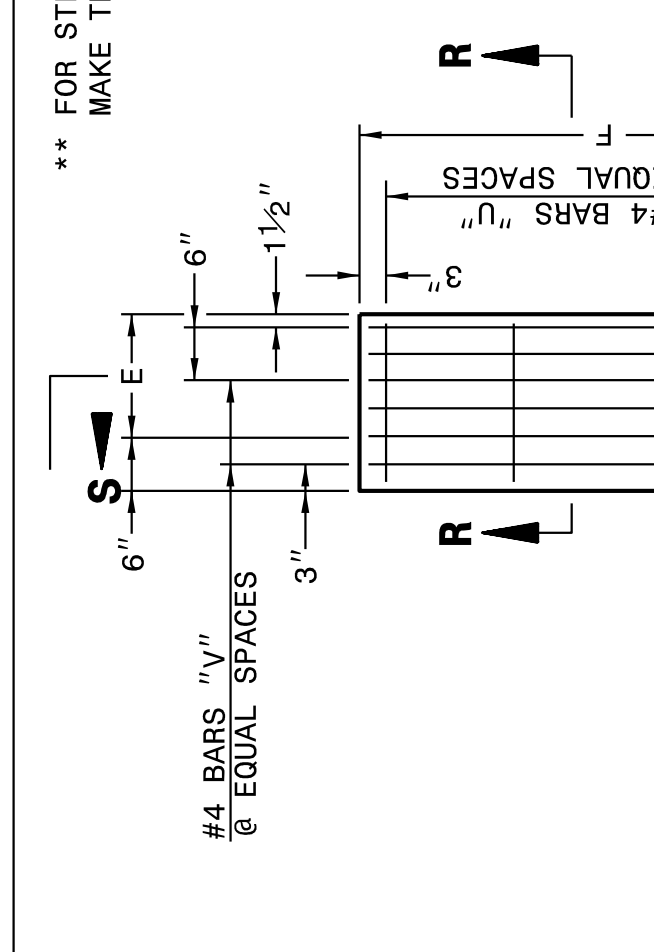
ENGLISH DETAIL DRAWING FOR
MINIMUM DEPTH
CONCRETE CATCH BASIN
 12" THRU 84" PIPE

SHEET 1 OF 2
840D02



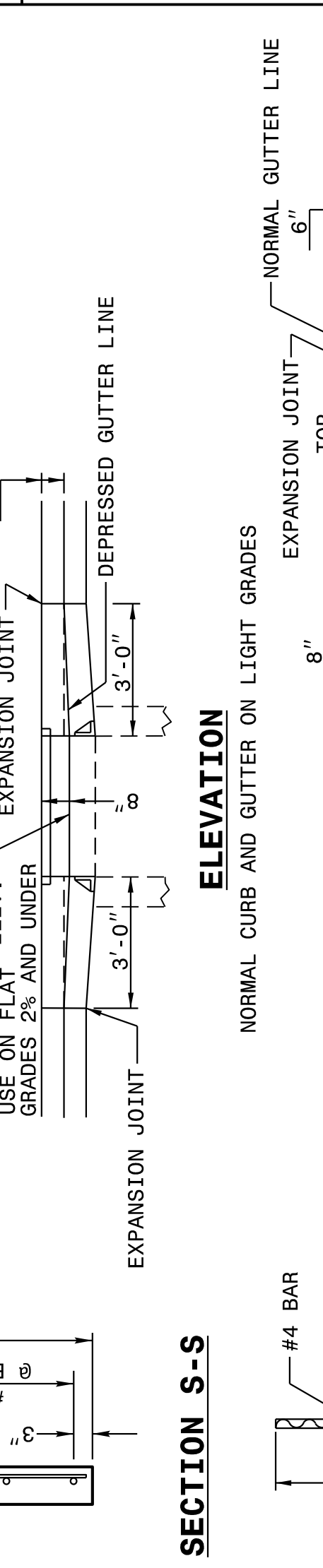
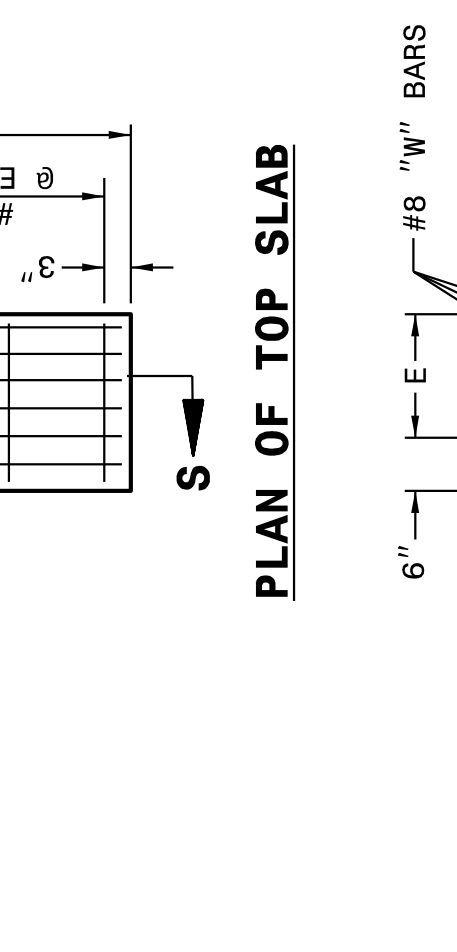
GENERAL NOTES:
 USE CLASS "B" CONCRETE THROUGHOUT.
 PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66. OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12 CENTERS AS DIRECTED BY THE ENGINEER.
 USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB. IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.
 USE TYPE "E", "F" AND "G" GRATES UNLESS OTHERWISE INDICATED. FOR 8'-0" IN HEIGHT OR LESS USE 6" WALLS AND BOTTOM SLAB. OVER 8'-0" TO 16'-0" IN HEIGHT USE 8" WALLS AND BOTTOM SLAB. ADJUST QUANTITIES ACCORDINGLY.
 CONSTRUCT WITH PIPE CROWNS MATCHING.
 CHAMFER ALL EXPOSED CORNERS 1".
 ** FOR STRUCTURES WITH PIPE LARGER THAN 54", MAKE THE TOP SLAB 8" THICK.

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

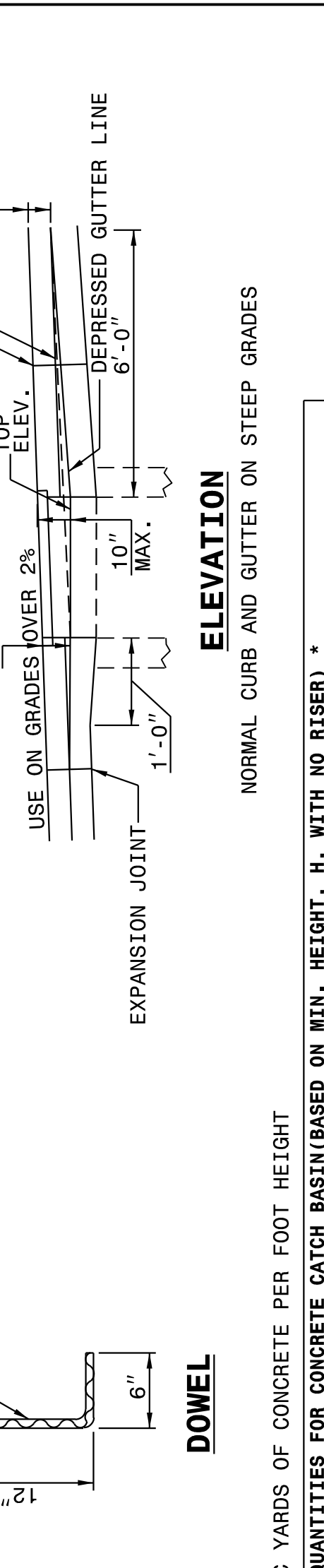
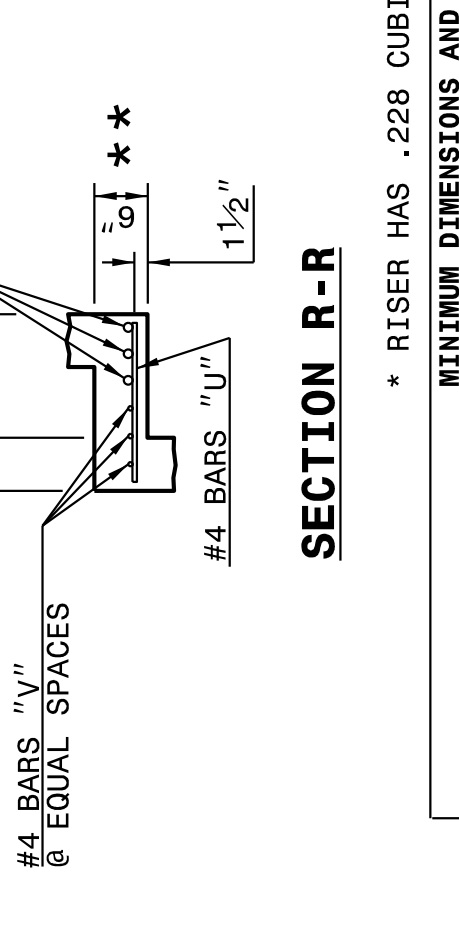


STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MINIMUM DEPTH
CONCRETE CATCH BASIN
 12" THRU 84" PIPE



SHEET 2 OF 2
840D02



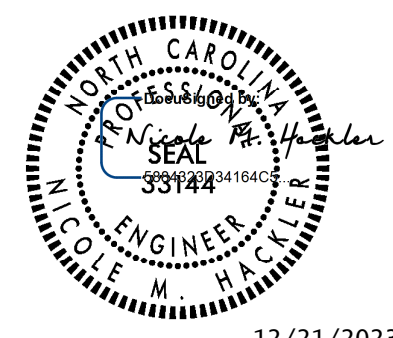
* RISER HAS .228 CUBIC YARDS OF CONCRETE PER FOOT HEIGHT

PIPE D.	MINIMUM DIMENSIONS OF BOX AND PIPE			COVER DIMENSION			BARS-U			BARS-V			BARS-W			TOTAL LBS.	CU. YDS. CONC. IN BOX FOR MINIMUM HEIGHT, H.	DEDUCTIONS ONE PIPE		
	SPAN	WIDTH	HEIGHT	E	F	G	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	TOP SLAB			BOTTOM SLAB	TOT. CONC. HEIGHT, H.	C.M.	R.C.
12"	3'-0"	2'-2"	2'-0"	..	2'-0"	..	..	..	..	..	..	..	..	..	0.235	0.772	0.015	0.026	0.026
15"	3'-0"	2'-2"	2'-0"	..	2'-0"	..	..	..	..	..	..	..	..	..	0.235	0.829	0.023	0.036	0.049
18"	3'-0"	2'-2"	2'-0"	..	2'-0"	..	..	..	..	..	..	..	..	..	0.235	0.887	0.033	0.049	0.049
24"	3'-0"	2'-2"	3'-1"	..	3'-1"	..	..	..	..	..	..	..	..	..	0.235	1.001	0.059	0.085	0.085
30"	3'-0"	2'-2"	3'-4"	..	3'-4"	..	..	..	..	..	..	..	..	..	0.123	0.347	1.433	0.092	0.127
36"	3'-0"	2'-2"	3'-10"	..	3'-10"	..	..	..	..	..	..	..	..	..	0.161	0.432	1.714	0.132	0.178
42"	3'-0"	2'-2"	4'-5"	..	4'-5"	..	..	..	..	..	..	..	..	..	0.200	0.543	1.738	0.180	0.243
48"	3'-0"	2'-2"	5'-0"	..	5'-0"	..	..	..	..	..	..	..	..	..	0.235	0.667	2.082	0.235	0.317
54"	3'-0"	2'-2"	5'-7"	..	5'-7"	..	..	..	..	..	..	..	..	..	0.289	0.802	2.387	0.297	0.401
60"	3'-0"	2'-2"	6'-3"	..	6'-3"	..	..	..	..	..	..	..	..	..	0.340	0.973	2.722	0.363	0.546
66"	3'-0"	2'-2"	6'-11"	..	6'-11"	..	..	..	..	..	..	..	..	..	0.391	1.160	3.057	0.440	0.655
72"	3'-0"	2'-2"	7'-6"	..	7'-6"	..	..	..	..	..	..	..	..	..	0.442	1.340	3.392	0.524	0.774
78"	3'-0"	2'-2"	8'-1"	..	8'-1"	..	..	..	..	..	..	..	..	..	0.493	1.530	3.727	0.615	0.893
84"	3'-0"	2'-2"	8'-9"	..	8'-9"	..	..	..	..	..	..	..	..	..	0.544	1.760	4.062	0.713	1.010

CONTRACT STANDARDS AND DEVELOPMENT UNIT
 Office 919-707-6950 FAX 919-250-4119

SEE PLATE FOR TITLE

ORIGINAL BY: 2002 Std.840.01 DATE: _____
 MODIFIED BY: E.E. WARD DATE: 3-1-02
 CHECKED BY: _____ DATE: _____
 FILE SPEC.: s:Special Details/jhowerton/840d02.dgn



12/21/2003

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

TGSLVW1014

COMPUTED BY: BJH DATE: 12/19/23
CHECKED BY: REL DATE: 12/19/23

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. U-6036 SHEET NO. 3D-1

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for LINE & STATION, OFFSET, STRUCTURE NUMBER, C. S. PIPE, R. C. PIPE CLASS III, IV, V, ENDWALLS, QUANTITIES FOR DRAINAGE STRUCTURES, FRAME, GRATES, AND HOOD, CONCRETE TRANSITIONAL SECTION, GRATE TYPE, and REMARKS. Includes a SHEET TOTALS row at the bottom.

ABBREVIATIONS table listing materials like CORRUGATED ALUMINUM ALLOY, CATCH BASIN, CORRUGATED STEEL, etc.

REMARKS

TGSLWV1014

COMPUTED BY: BJH DATE: 12/19/23
CHECKED BY: REL DATE: 12/19/23

PROJECT NO. SHEET NO.
U-6036 3D-2

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Structure Number, C.S. Pipe, R.C. Pipe Class III, IV, V, Quantities for Drainage Structures, Frame, Grates, and Hood, Concrete Transitional Section, Abbreviations, and Remarks. Includes sub-columns for pipe sizes, invert elevations, and material types.

SHEET TOTALS

Summary row for SHEET TOTALS with values for various quantities and materials.

TGSLVW1014

COMPUTED BY: BJH DATE: 12/19/23
CHECKED BY: REL DATE: 12/19/23

PROJECT NO. U-6036 SHEET NO. 3D-3

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Offset, Structure Number, Pipe Size, Invert Elevations, Pipe Material (C.S., R.C. Class III, IV, V), Quantities for Drainage Structures, Frame/Grates/Hood, and Remarks. Includes a SHEET TOTALS row at the bottom.

ABBREVIATIONS: C.A.A. CORRUGATED ALUMINUM ALLOY, C.B. CATCH BASIN, C.S. CORRUGATED STEEL, D.I. DROP INLET, G.D.I. GRATED DROP INLET, H.D.P.E. HIGH DENSITY POLYETHYLENE, J.B. JUNCTION BOX, M.H. MANHOLE, N.S. NARROW SLOT, P.V.C. POLYVINYL CHLORIDE, R.C. REINFORCED CONCRETE, T.B.D.I. TRAFFIC BEARING DROP INLET, T.B.J.B. TRAFFIC BEARING JUNCTION BOX, W.S. WIDE SLOT

REMARKS

COMPUTED BY: DMB DATE: 11/21/23
 CHECKED BY: REK DATE: 11/21/23

(2-3-23)

PROJECT NO.	SHEET NO.
U-6036	3G-1

**STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS**

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
	CONTINGENCY			SD	250
				TOTAL LF:	250

*UD = Underdrain
 *BD = Blind Drain
 *SD = Subsurface Drain

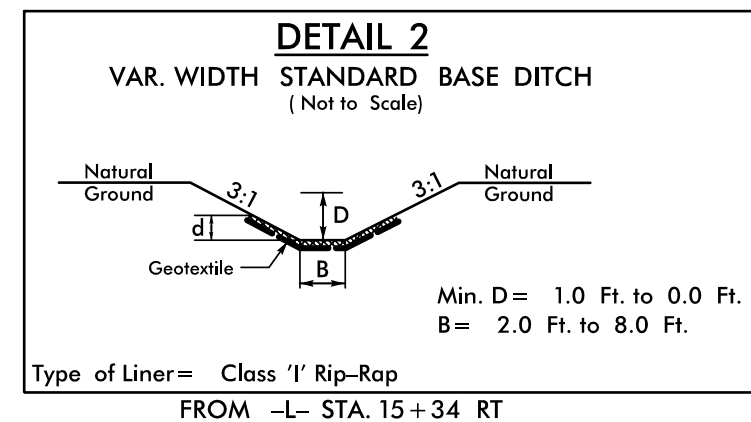
SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

LINE	Station	Station	Aggregate Type* ASU(1/2)/ AST	Aggregate Thickness INCHES [8" for ASU(2)]	Shallow Undercut CY	Class IV Subgrade Stabilization TONS	Geotextile for Subgrade Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS
-L-	12+75	13+75	ASU (1)	12	10	40	30		
-L-	19+75	22+25	ASU (1)	12	170	360	510		
-L-	43+25	46+56	ASU (1)	12	320	600	960		
	CONTINGENCY		ASU (1)	12	200	400	600		
			TOTAL CY/TONS/SY:		700	1400**	2100**	0	0

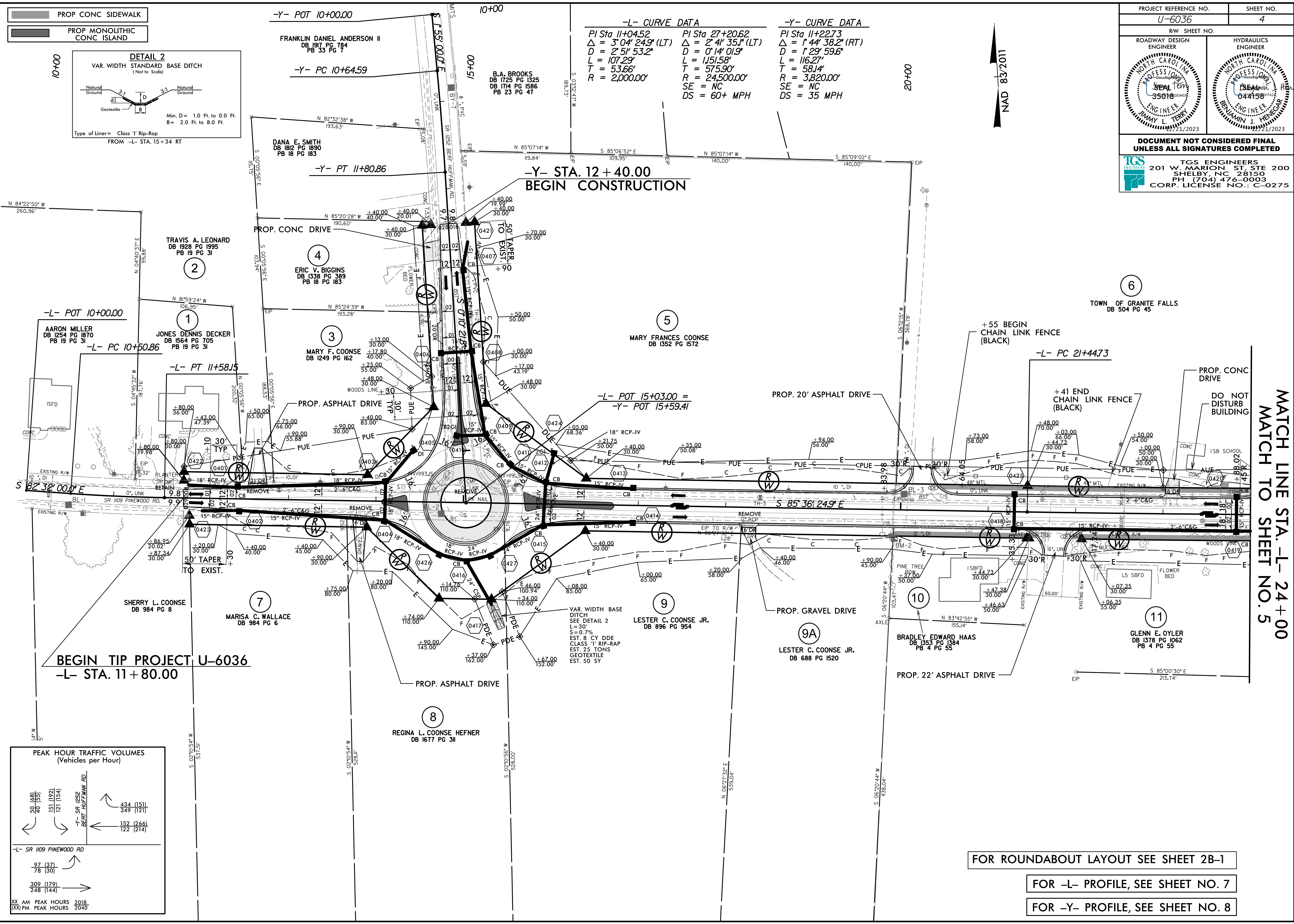
*ASU(1/2) = Aggregate Subgrade (Type 1 or 2)
 *AST = Aggregate Stabilization
 **Total tons of "Class IV Subgrade Stabilization" and total square yards of "Geotextile for Subgrade Stabilization" are only the estimated quantities for ASU(1/2)/AST and may only represent a portion of the subgrade stabilization and geotextile quantities shown in the Item Sheets of the Proposal.

PROJECT REFERENCE NO. U-6036		SHEET NO. 4	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH: (704) 476-0003 CORP. LICENSE NO.: C-0275			

PROP CONC SIDEWALK
 PROP MONOLITHIC CONC ISLAND



-L- CURVE DATA		-Y- CURVE DATA	
PI Sta 11+04.52	PI Sta 27+20.62	PI Sta 11+22.73	
$\Delta = 3^{\circ}04'24.9''$ (LT)	$\Delta = 2^{\circ}41'35.1''$ (LT)	$\Delta = 1^{\circ}44'38.2''$ (RT)	
$D = 2^{\circ}51'53.2''$	$D = 0^{\circ}14'01.9''$	$D = 1^{\circ}29'59.6''$	
$L = 107.29'$	$L = 1151.58'$	$L = 116.27'$	
$T = 53.66'$	$T = 575.90'$	$T = 58.14'$	
$R = 2,000.00'$	$R = 24,500.00'$	$R = 3,820.00'$	
	$SE = NC$	$SE = NC$	
	$DS = 60+ MPH$	$DS = 35 MPH$	



BEGIN TIP PROJECT U-6036
 -L- STA. 11+80.00

-Y- STA. 12+40.00
 BEGIN CONSTRUCTION

MATCH LINE STA. -L- 24+00
 MATCH TO SHEET NO. 5

PEAK HOUR TRAFFIC VOLUMES (Vehicles per Hour)

SR 1109 PINWOOD RD	SR 1252 BERT HUFFMAN RD
97 (37)	434 (151)
78 (30)	349 (121)
309 (179)	152 (266)
248 (144)	122 (214)

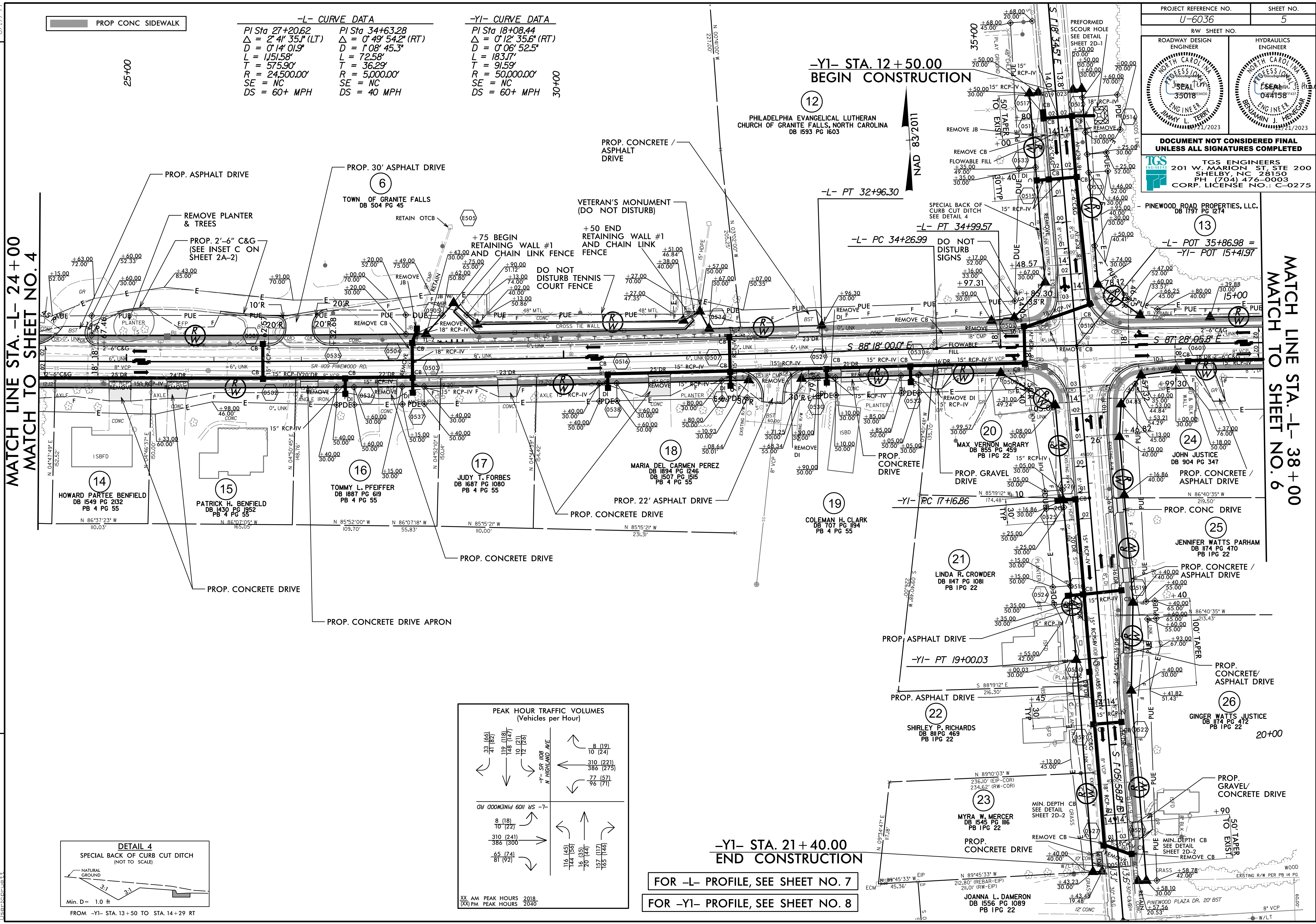
XX AM PEAK HOURS 2018
 (XX) PM PEAK HOURS 2040

FOR ROUNDABOUT LAYOUT SEE SHEET 2B-1
 FOR -L- PROFILE, SEE SHEET NO. 7
 FOR -Y- PROFILE, SEE SHEET NO. 8

REVISIONS

K:\Roadway\U-6036\Roadway\Proj\U-6036_Rdy_psh_04.dgn
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 (XX) PM PEAK HOURS 2040

PROJECT REFERENCE NO. U-6036		SHEET NO. 5	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275			



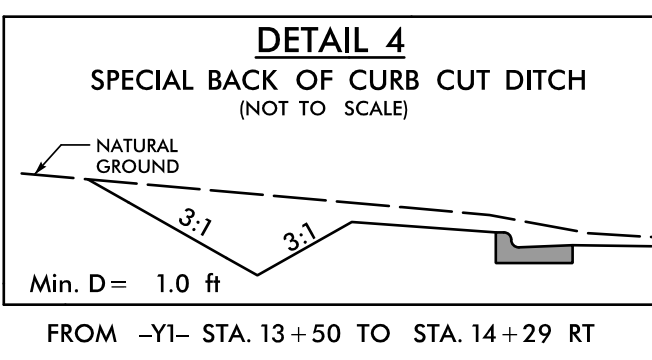
-L- CURVE DATA		-YI- CURVE DATA	
PI Sta 27+20.62	PI Sta 34+63.28	PI Sta 18+08.44	
$\Delta = 2' 41' 35.1''$ (LT)	$\Delta = 0' 49' 54.2''$ (RT)	$\Delta = 0' 12' 35.6''$ (RT)	
$D = 0' 14' 01.9''$	$D = 1' 08' 45.3''$	$D = 0' 06' 52.5''$	
$L = 1151.58'$	$L = 72.58'$	$L = 183.17'$	
$T = 575.90'$	$T = 36.29'$	$T = 91.59'$	
$R = 24,500.00'$	$R = 5,000.00'$	$R = 50,000.00'$	
SE = NC	SE = NC	SE = NC	
DS = 60+ MPH	DS = 40 MPH	DS = 60+ MPH	30+00

MATCH LINE STA. -L- 24+00
MATCH TO SHEET NO. 4

MATCH LINE STA. -L- 38+00
MATCH TO SHEET NO. 6

PEAK HOUR TRAFFIC VOLUMES (Vehicles per Hour)			
SR 1109 PINWOOD RD -L- (Left to Right) 33 (66) / 41 (82) / 119 (118) / 148 (147) / 10 (21) / 12 (26)		N HIGHLAND AVE -YI- (Top to Bottom) 8 (19) / 10 (24) / 310 (221) / 385 (275) / 77 (57) / 96 (71)	
SR 1109 PINWOOD RD -L- (Right to Left) 8 (18) / 10 (22) / 310 (241) / 385 (300) / 65 (74) / 81 (92)		N HIGHLAND AVE -YI- (Bottom to Top) 116 (45) / 144 (60) / 10 (30) / 12 (14) / 157 (17) / 165 (146)	

XX AM PEAK HOURS 2018
XX PM PEAK HOURS 2040



FOR -L- PROFILE, SEE SHEET NO. 7
FOR -YI- PROFILE, SEE SHEET NO. 8

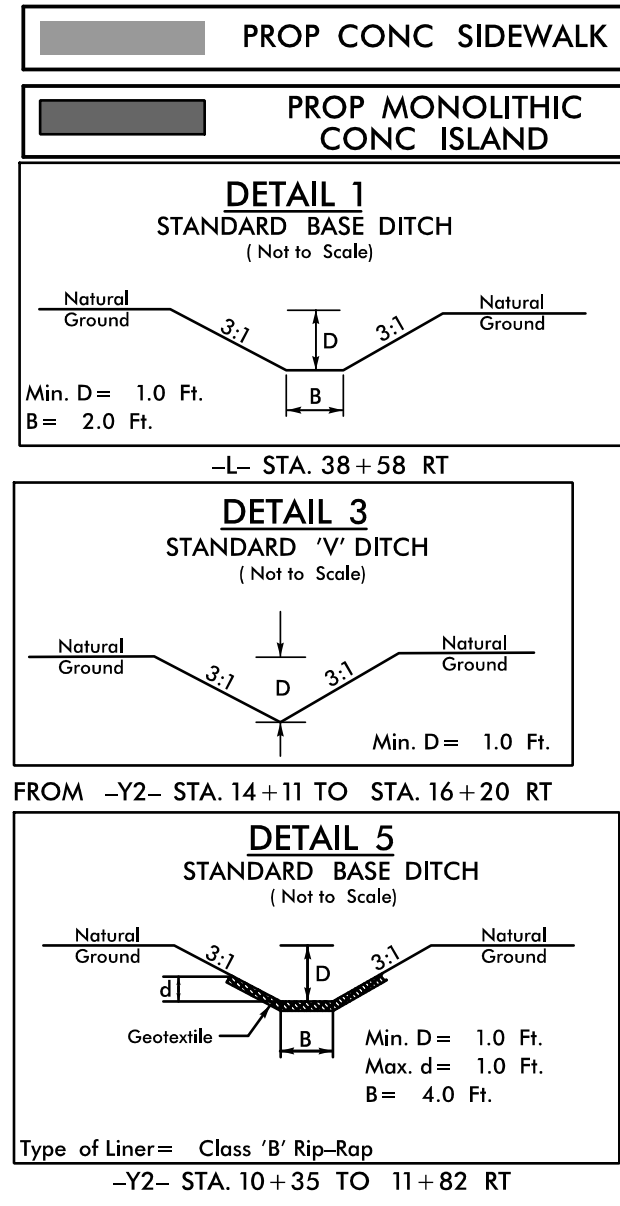
REVISIONS

8/17/99
12/20/2023
K:\Roadwork\U-6036\Roadway\Proj\U-6036...Rdy_psh_05.dgn
1/2/2024

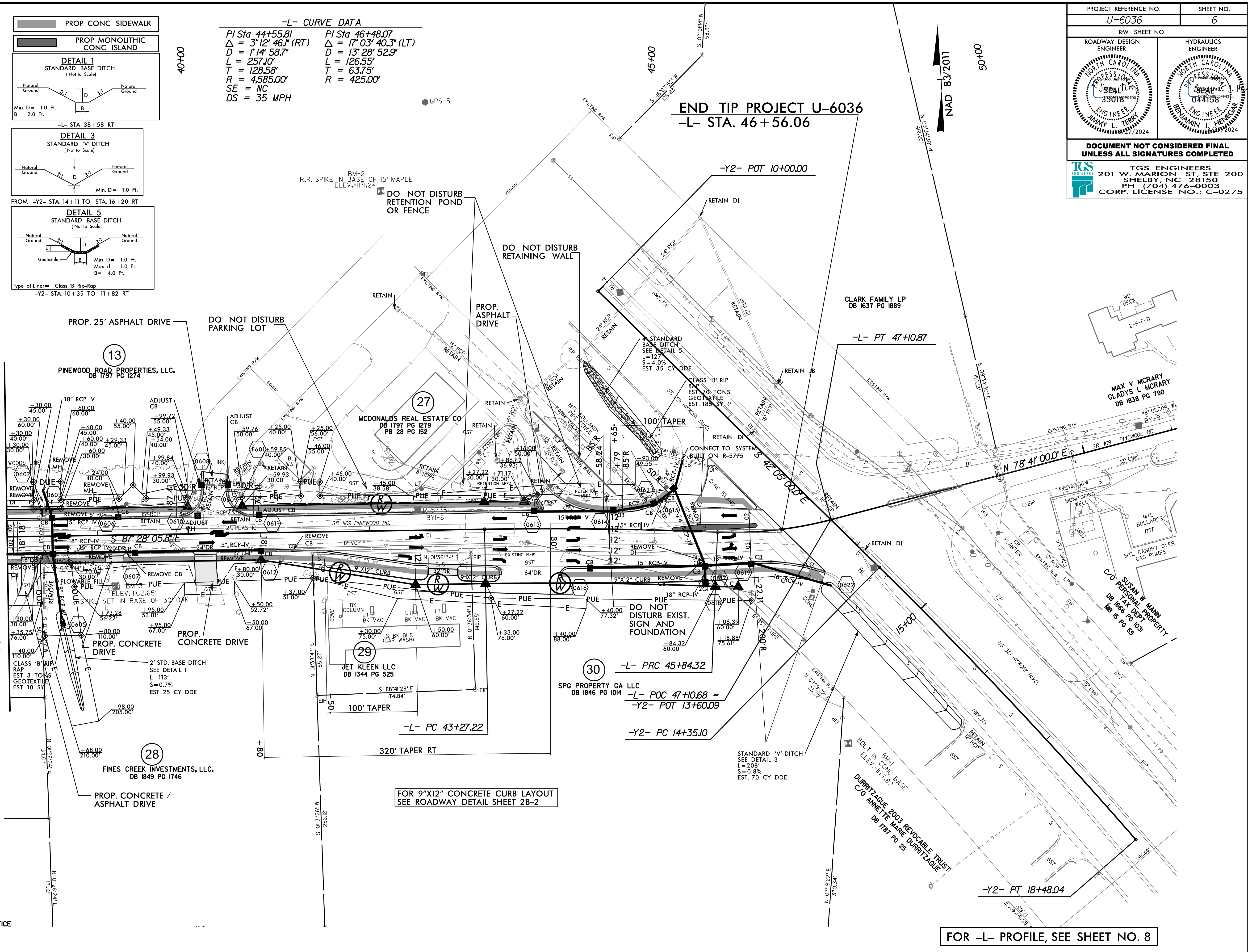
PROJECT REFERENCE NO. U-6036	SHEET NO. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

-L- CURVE DATA

PI Sta 44+55.81	PI Sta 46+48.07
$\Delta = 3^{\circ}12'46.1"$ (RT)	$\Delta = 17^{\circ}03'40.3"$ (LT)
$D = 114^{\circ}58.7'$	$D = 13^{\circ}28'52.9"$
$L = 257.10'$	$L = 126.55'$
$T = 128.58'$	$T = 63.75'$
$R = 4585.00'$	$R = 425.00'$
SE = NC	
DS = 35 MPH	



MATCH LINE STA. -L- 38+00
MATCH TO SHEET NO. 5



FOR 9"x12" CONCRETE CURB LAYOUT
SEE ROADWAY DETAIL SHEET 2B-2

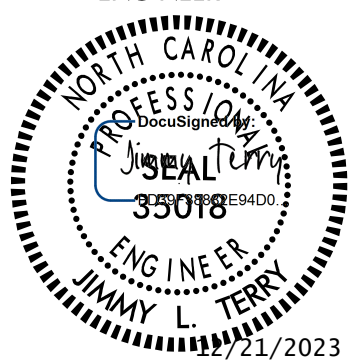
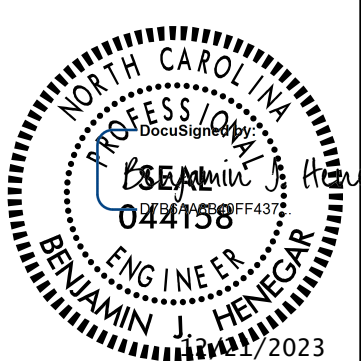

FOR -L- PROFILE, SEE SHEET NO. 8

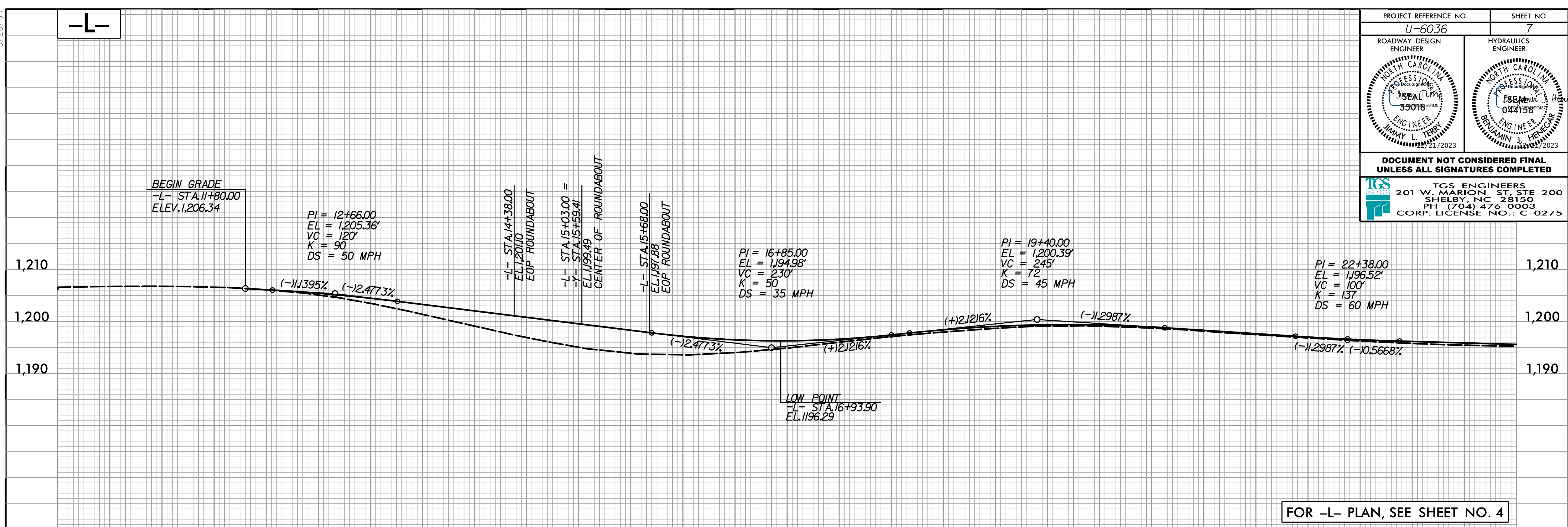
REVISIONS

3/27/2024
X:\Roadway\U-6036\Roadway\Proj\U-6036_Rdy_psh_06.dgn
licetopuett

5/28/24

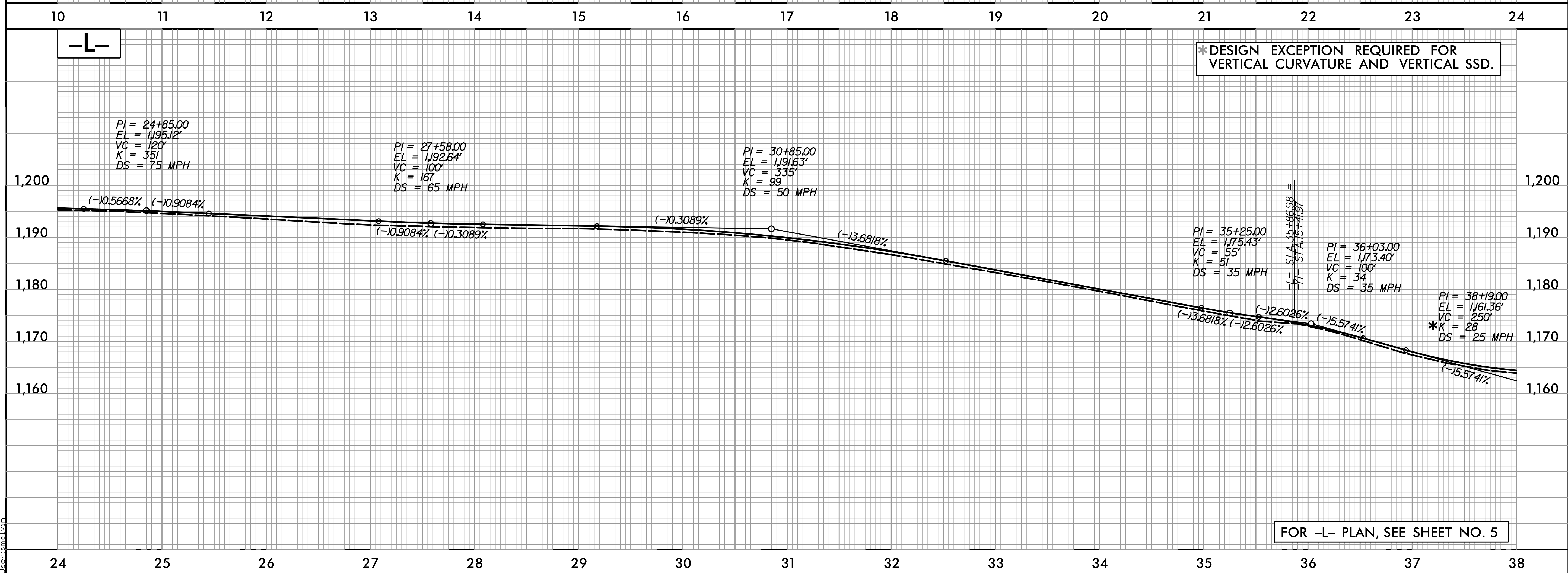
-L-

PROJECT REFERENCE NO. U-6036	SHEET NO. 7
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



-L-

*DESIGN EXCEPTION REQUIRED FOR VERTICAL CURVATURE AND VERTICAL SSD.

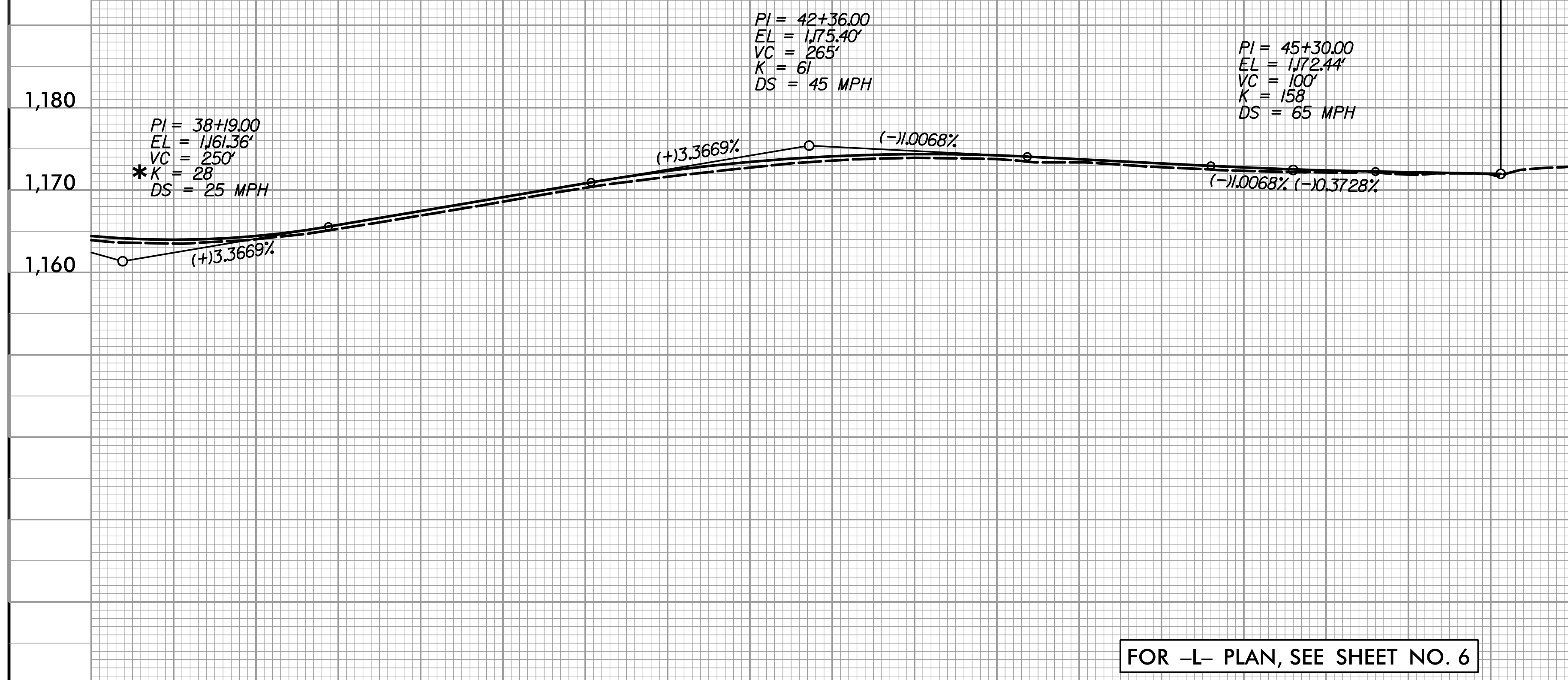


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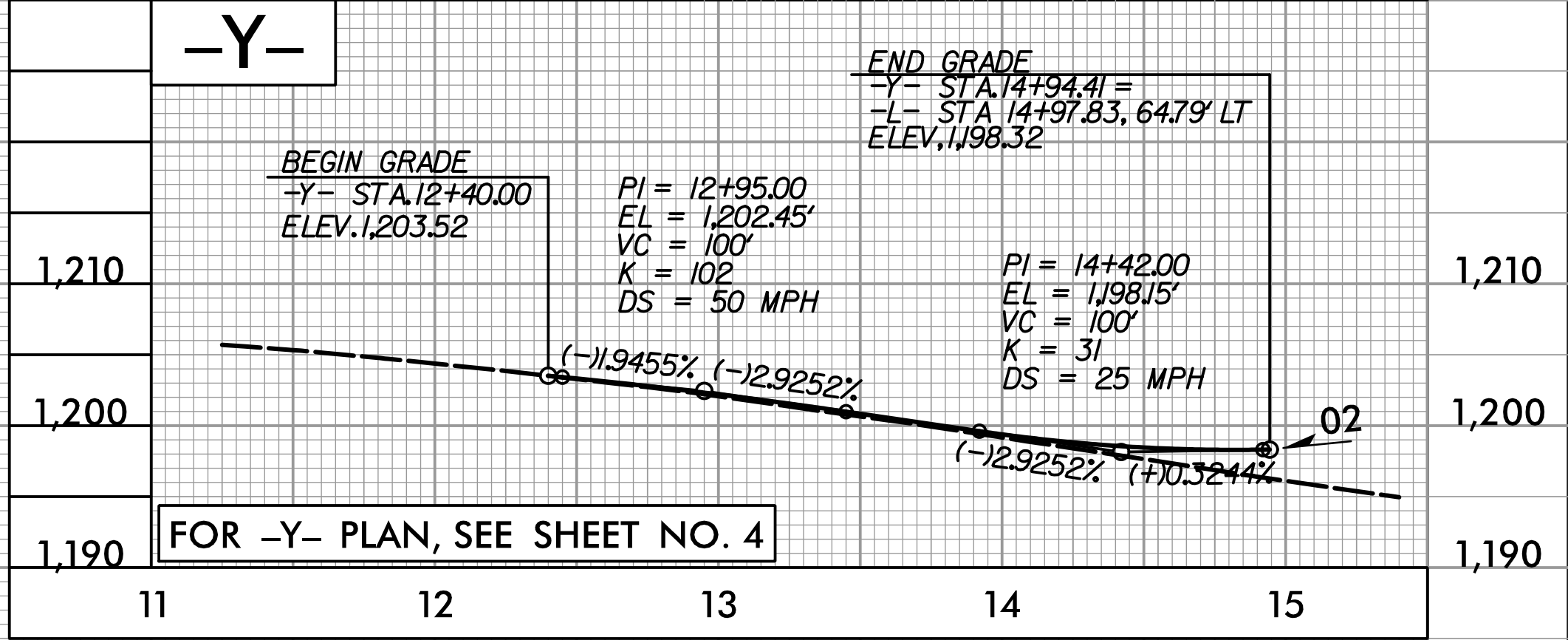
5/28/23

-L-

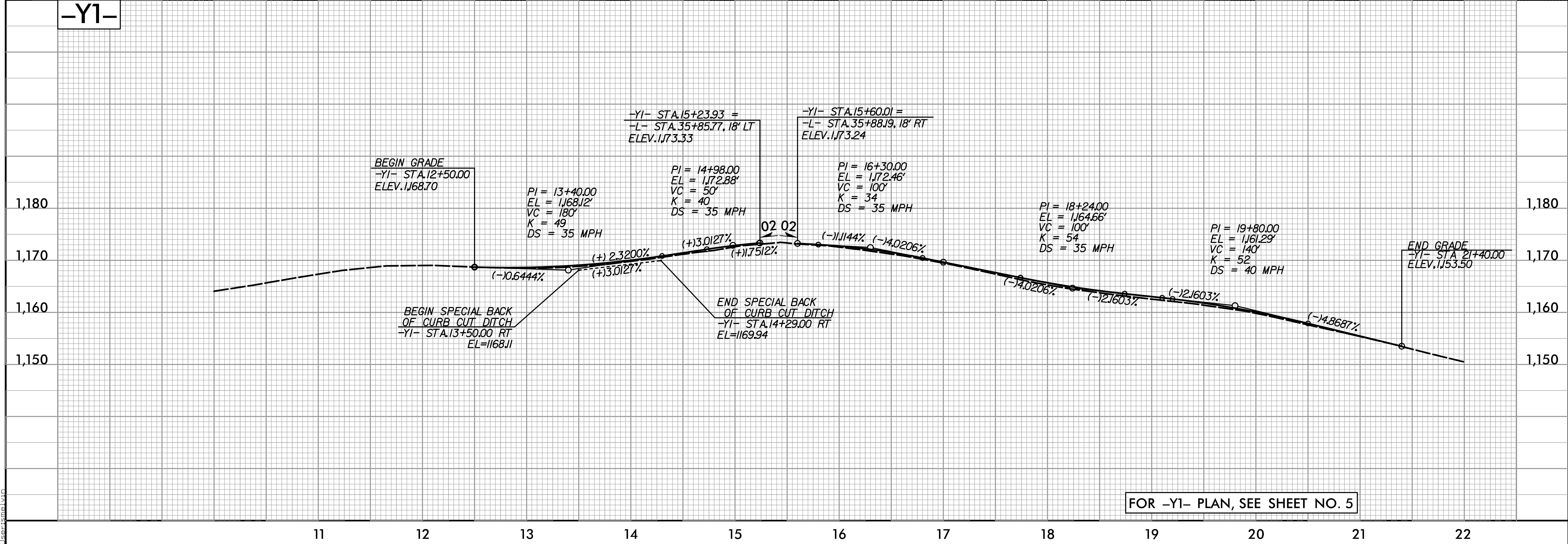
***DESIGN EXCEPTION REQUIRED FOR VERTICAL CURVATURE AND VERTICAL SSD.**



-Y-



-Y1-



PROJECT REFERENCE NO. U-6036	SHEET NO. 8
ROADWAY DESIGN ENGINEER SEAN M. TERRY PROFESSIONAL SEAL 35018 ENGINEER JANUARY 1, 2023	HYDRAULICS ENGINEER JAMIN J. HENEGAR PROFESSIONAL SEAL 044158 ENGINEER JANUARY 1, 2023
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

K:\30600\U-6036\Roadway\Proj\U-6036_Rdy_pFl.dgn