

**This electronic collection of documents is provided
for the convenience of the user
and is Not a Certified Document –**

**The documents contained herein were originally issued
and sealed by the individuals whose names and license
numbers appear on each page, on the dates appearing
with their signature on that page.**

**This file or an individual page
shall not be considered a certified document.**

See Sheet 1A For Index of Sheets
See Sheet 1B For Standard Symbology Sheet

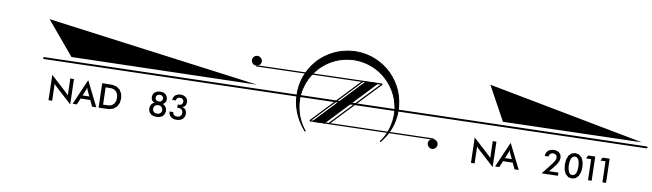
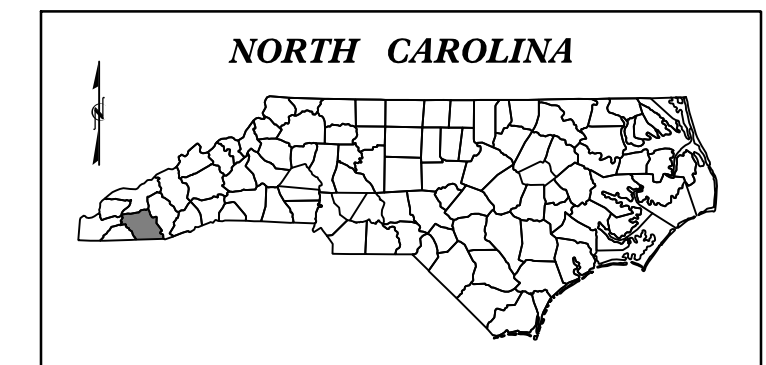
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MACON COUNTY

LOCATION: BRIDGE #009 OVER NORTH PRONG ELLIJAY CREEK ON SR 1001 (ELLIJAY RD)

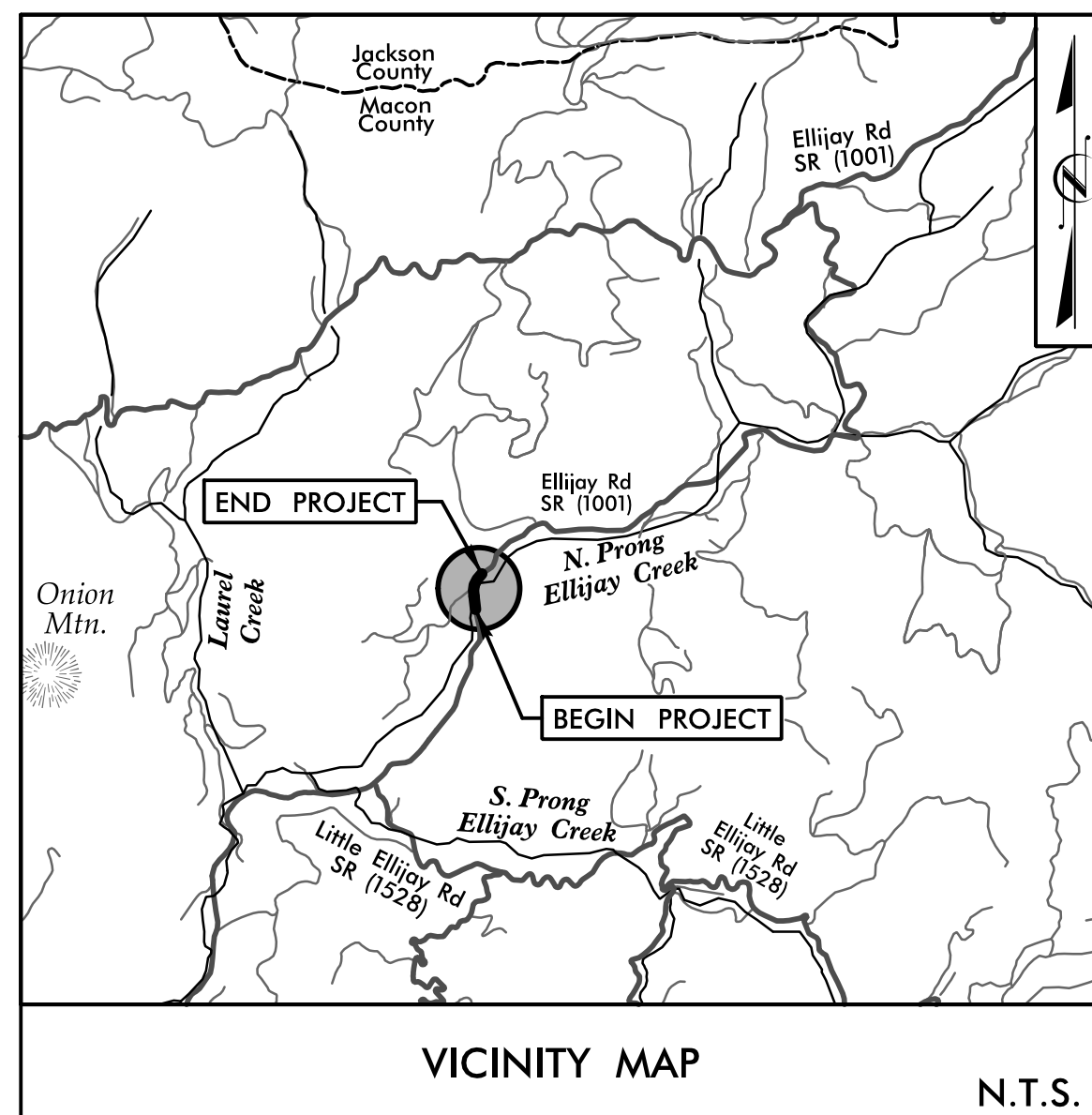
TYPE OF WORK: GRADING, PAVING, DRAINAGE, & STRUCTURE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-6029	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
48224.1.1		P.E.	
48224.2.1		ROW & UTILITIES	
48224.3.1		CONSTRUCTION	



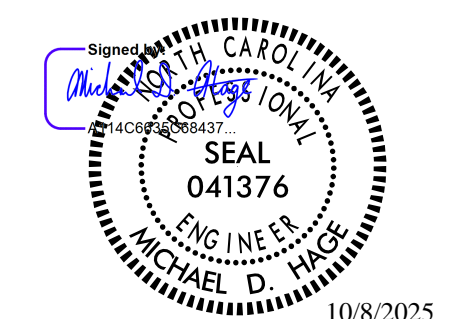
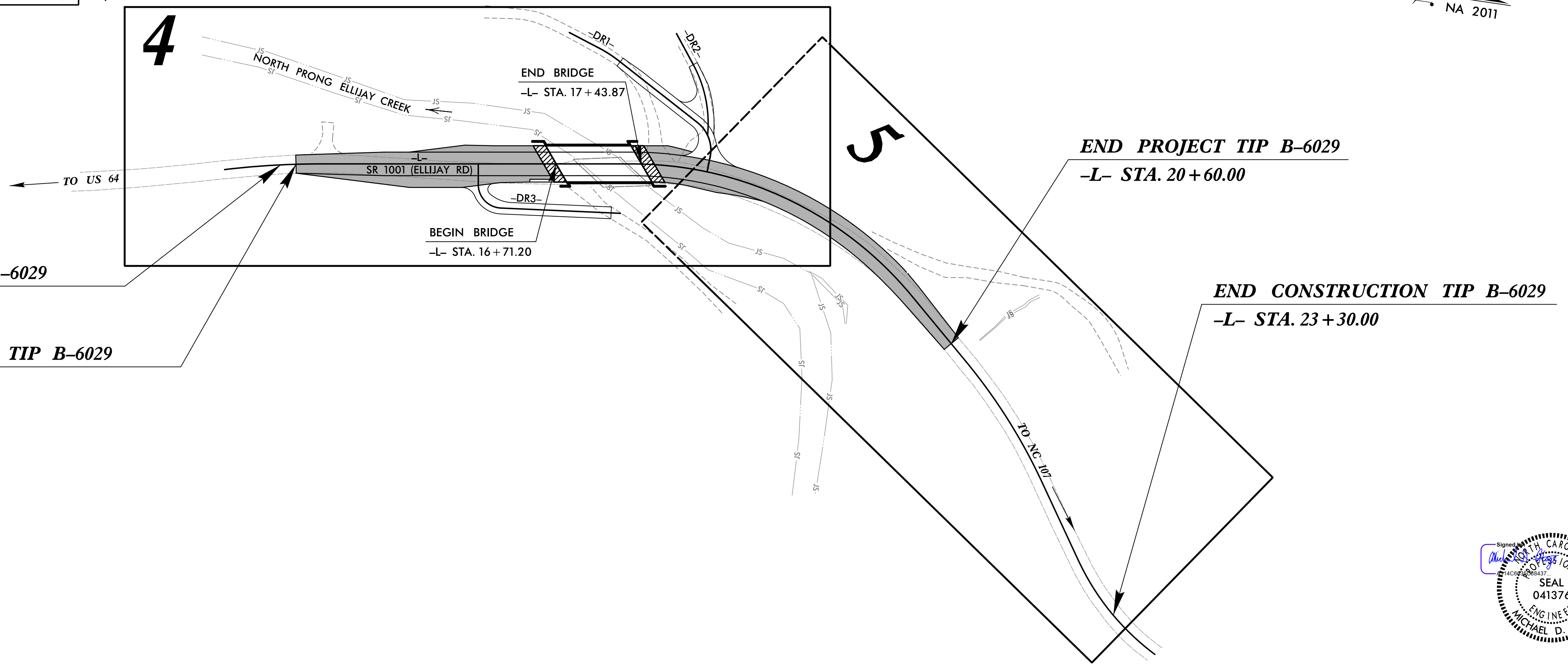
PROJECT TIP: B-6029

CONTRACT: DN00477

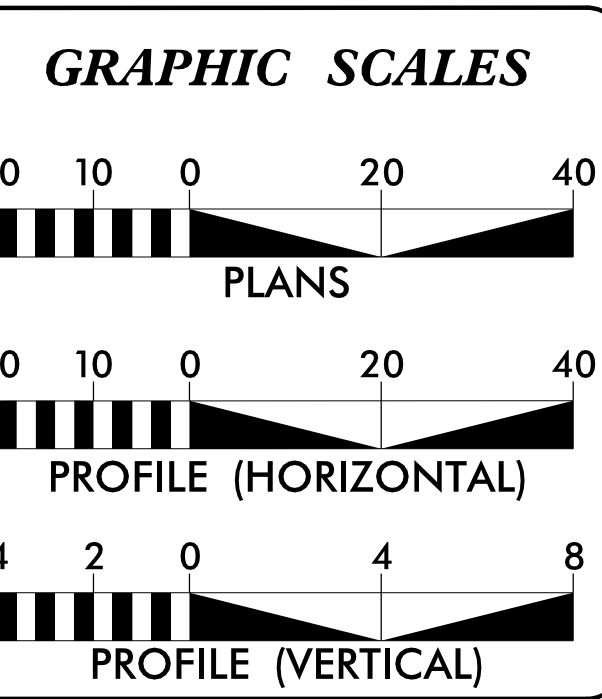


VICINITY MAP N.T.S.

FINAL PLANS



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



DESIGN DATA

ADT 2012 =	420
ADT 2025 =	840
DHV =	N/A
D =	N/A
T =	6%
V =	30 MPH

FUNC. CLASSIFICATION:
COLLECTOR
SUBREGIONAL TIER

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT TIP B-6029 =	0.102 MILES
LENGTH OF STRUCTURE PROJECT TIP B-6029 =	0.014 MILES
TOTAL LENGTH OF PROJECT TIP B-6029 =	0.116 MILES

NCDOT CONTACT: ADAM DOCKERY
Division Bridge Manager

PLANS PREPARED FOR THE NCDOT BY:

stv STV Engineers, Inc.
2151 Hawkins Street, Suite 1400
Charlotte, NC 28203
NC License Number F-0991

2024 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: SEPTEMBER 25, 2017	NIKKI T. HONEYCUTT, PE PROJECT ENGINEER
LETTING DATE: DECEMBER 9, 2025	CLARK GROVES PROJECT DESIGNER

HYDRAULICS ENGINEER

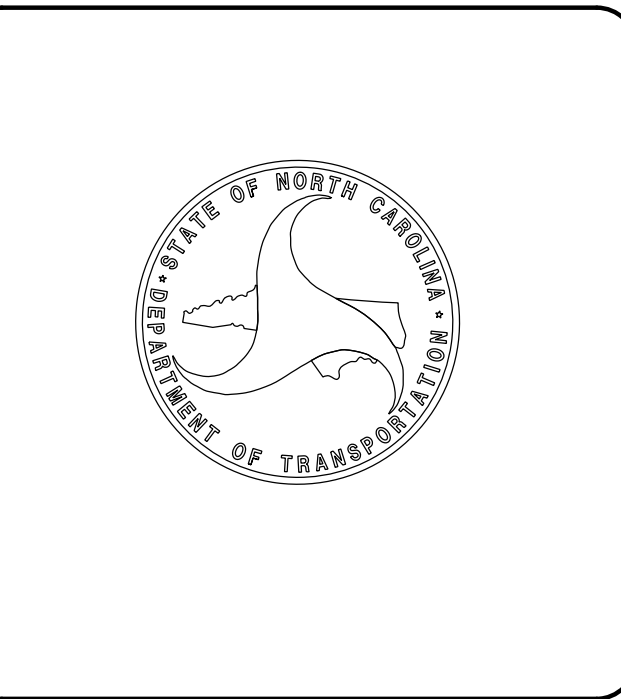
NOT A CERTIFIED DOCUMENT AS TO THE ORIGINAL DOCUMENT BUT ONLY AS TO THE LET DATE.
THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY:
DAVIN C. MORRISON
528553 ON 11/22/23
THIS DOCUMENT IS ONLY CERTIFIED AS TO THE LET DATE.

SIGNATURE: _____ **P.E.**

ROADWAY DESIGN ENGINEER

NOT A CERTIFIED DOCUMENT AS TO THE ORIGINAL DOCUMENT BUT ONLY AS TO THE LET DATE.
THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY:
NIKKI T. HONEYCUTT
629234 ON 11/16/23
THIS DOCUMENT IS ONLY CERTIFIED AS TO THE LET DATE.

SIGNATURE: _____ **P.E.**





PROJECT REFERENCE NO. <i>B-6029</i>	SHEET NO. <i>1A</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
NOT A CERTIFIED DOCUMENT AS TO THE ORIGINAL DOCUMENT BUT ONLY AS TO THE STD DRAWINGS	
THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY:	
NIKULI HONEYCUTT	
032234	ON 11/16/23
THIS DOCUMENT IS ONLY CERTIFIED AS TO STANDARD IND. #22.01	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

INDEX OF SHEETS

GENERAL NOTES

STANDARD DRAWINGS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
RW01	SURVEY CONTROL TSH
RW02C-1THRU RW02C-3	SURVEY CONTROL PLANSHEET
RW02D-1	PROP ALIGNMENT SHEET
RW03E-1	RIGHT OF WAY CONTROL SHEET
RW04 THRU RW05	RIGHT OF WAY, EASEMENT, AND PROPERTY TIES
2A-1	TYPICAL SECTIONS AND DETAILS
3B-1	SUMMARIES SHEET
3P-1	PARCEL DATA SHEET
4 THRU 6	PLAN AND PROFILE SHEET
TMP-1 THRU TMP-5	TRAFFIC MANAGEMENT PLANS
PMP-1	PAVEMENT MARKING PLANS
EC-1 THRU EC-6	EROSION CONTROL PLANS
RF-1	REFORESTATION DETAIL SHEET
UO-1 THRU UO-2	UTILITIES BY OTHERS PLANS
X-1 THRU X-21	CROSS-SECTIONS
S-1 THRU S-16	STRUCTURE PLANS
W-1	GABION WALL
SN	STANDARD NOTES

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

GRADE LINE: SURFACING: 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.

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.

END BENTS: THE ENGINEER SHALL CHECK THE STRUCTURE END BENT PLANS, DETAILS, AND CROSS-SECTION PRIOR TO SETTING OF THE SLOPE STAKES FOR THE EMBANKMENT OR EXCAVATION APPROACHING A BRIDGE.

RIGHT-OF-WAY MARKERS: ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY CONTRACT IN ACCORDANCE WITH SECTION 801 OF THE 2024 NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.

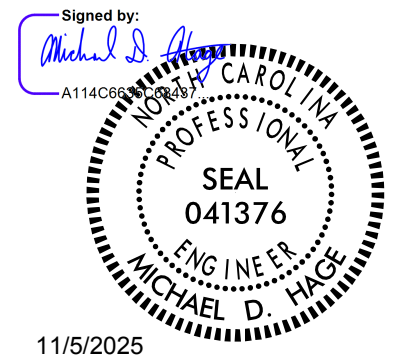
SUBSURFACE PLANS: SUBSURFACE INFORMATION IS AVAILABLE ON THE STRUCTURE PORTION OF THIS PROJECT ONLY. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES: UTILITY OWNERS ON THIS PROJECT ARE DUKE ENERGY & FRONTIER COMMUNICATIONS. ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

2024 ROADWAY ENGLISH STANDARD DRAWINGS EFF. January, 2024

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 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
275.01	Rock Plating
DIVISION 4 - MAJOR STRUCTURES	
423.01	Bridge Approach Fills - Type 1 Approach Fill for Bridge Abutment
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I
DIVISION 8 - INCIDENTALS	
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
840.20	Frames and Wide Slot Flat Grates
840.29	Frames and Narrow Slot Flat Grates
840.35	Traffic Bearing Grated Drop Inlet
846.01	Concrete Curb, Gutter and Curb & Gutter
862.01	Guardrail Placement
862.02	Guardrail Installation
876.02	Guide for Rip Rap at Pipe Outlets
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.01	Detail Drawing for Two-way Undivided Work Zone Warning Signs
1101.02	Temporary Lane Closures
1101.04	Temporary Shoulder Closures
1101.05	Work Zone Vehicle Accesses
1110.01	Stationary Work Zone Signs - Mounting Height & Lateral Clearance
1110.02	Portable Work Zone Signs - Mounting Height & Lateral Clearance
1130.01	Drum
1135.01	Cones
1145.01	Barricades - Type III
1150.01	Flagging Devices
1180.01	Skinny - Drum
DIVISION 12 - PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.01	Pavement Markings - Line Types and Offsets
1205.12	Pavement Markings - Bridges
1261.01	Guardrail and Barrier Delineators - Installation Spacing
1261.02	Guardrail & Barrier Delineators - Types and Mounting
1262.01	Guardrail End Delineation
DIVISION 16 - EROSION CONTROL AND ROADSIDE DEVELOPMENT	
1605.01	Temporary Silt Fence
1606.01	Special Sediment Control Fence
1631.01	Matting Installation
1632.02	Rock Inlet Sediment Trap Type B
1632.03	Rock Inlet Sediment Trap Type C
1633.01	Temporary Rock Silt Check Type A
1634.02	Temporary Rock Sediment Dam Type B
1635.02	Rock Pipe Inlet Sediment Trap Type B



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	
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—S—
Potential Contamination Area: Soil	—S—S—S—
Known Contamination Area: Water	—W—W—W—
Potential Contamination Area: Water	—W—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	_____
Proposed Temporary Drainage Easement	_____
Proposed Permanent Drainage Easement	_____
Proposed Permanent Drainage/Utility Easement	_____
Proposed Permanent Utility Easement	_____
Proposed Temporary Utility Easement	_____
Proposed Aerial Utility Easement	_____

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	_____
Existing Curb	_____
Proposed Slope Stakes Cut	_____
Proposed Slope Stakes Fill	_____
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	_____

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)*	_____
U/G Power Line (SUE – LOS C)*	_____
U/G Power Line (SUE – LOS D)*	_____

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)*	_____
U/G Telephone Cable (SUE – LOS C)*	_____
U/G Telephone Cable (SUE – LOS D)*	_____
U/G Telephone Conduit (SUE – LOS B)*	_____
U/G Telephone Conduit (SUE – LOS C)*	_____
U/G Telephone Conduit (SUE – LOS D)*	_____
U/G Fiber Optics Cable (SUE – LOS B)*	_____
U/G Fiber Optics Cable (SUE – LOS C)*	_____
U/G Fiber Optics Cable (SUE – LOS D)*	_____

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)*	_____
U/G Water Line (SUE – LOS C)*	_____
U/G Water Line (SUE – LOS D)*	_____
Above Ground Water Line	_____
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)*	_____
U/G TV Cable (SUE – LOS C)*	_____
U/G TV Cable (SUE – LOS D)*	_____
U/G Fiber Optic Cable (SUE – LOS B)*	_____
U/G Fiber Optic Cable (SUE – LOS C)*	_____
U/G Fiber Optic Cable (SUE – LOS D)*	_____

GAS:

Gas Valve	
Gas Meter	
U/G Gas Line Test Hole (SUE – LOS A)*	
U/G Gas Line (SUE – LOS B)*	_____
U/G Gas Line (SUE – LOS C)*	_____
U/G Gas Line (SUE – LOS D)*	_____
Above Ground Gas Line	_____

SANITARY SEWER:

Sanitary Sewer Manhole	
Sanitary Sewer Cleanout	
U/G Sanitary Sewer Line	_____
Above Ground Sanitary Sewer	_____
SS Force Main Line Test Hole (SUE – LOS A)*	
SS Force Main Line (SUE – LOS B)*	_____
SS Force Main Line (SUE – LOS C)*	_____
SS Force Main Line (SUE – LOS D)*	_____

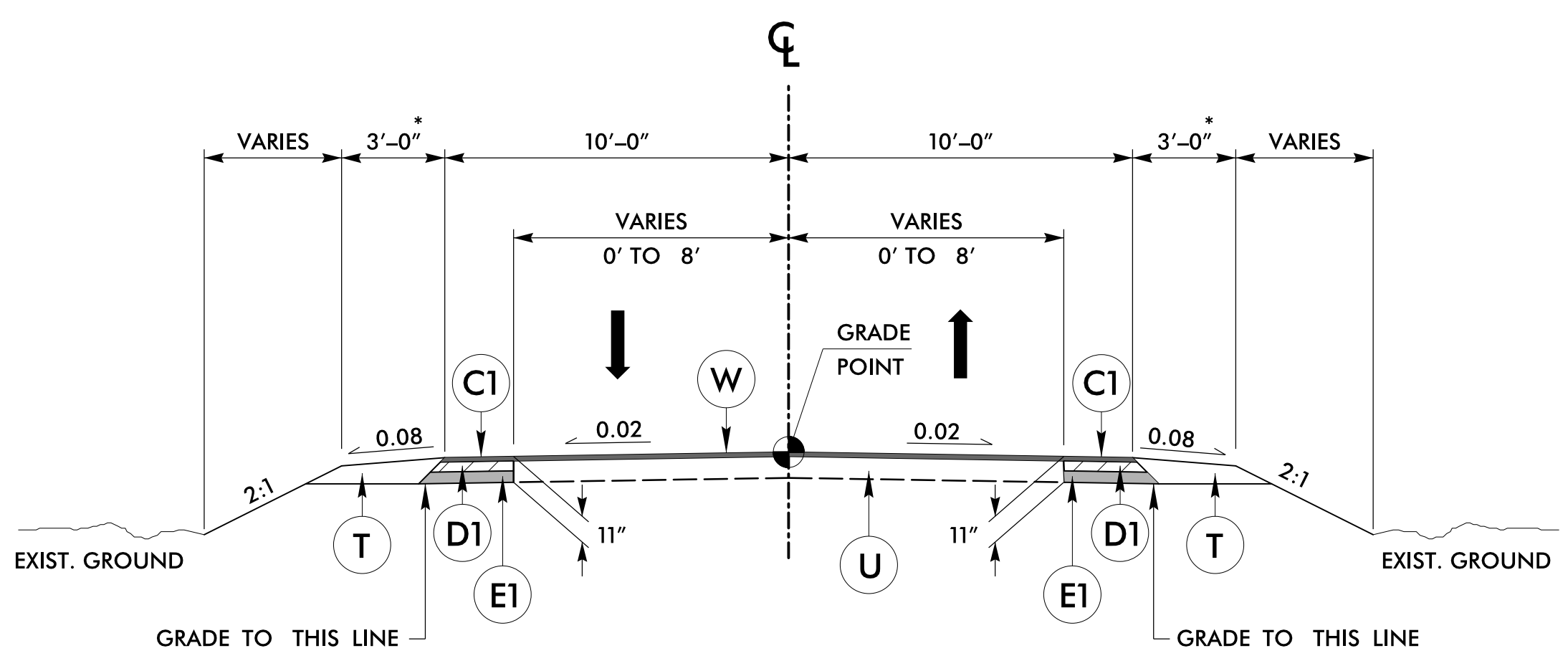
MISCELLANEOUS:

Utility Pole	
Utility Pole with Base	
Utility Located Object	
Utility Traffic Signal Box	
Utility Unknown U/G Line (SUE – LOS B)*	_____
U/G Tank; Water, Gas, Oil	
Underground Storage Tank, Approx. Loc.	
A/G Tank; Water, Gas, Oil	
Geoenvironmental Boring	
Abandoned According to Utility Records	
End of Information	

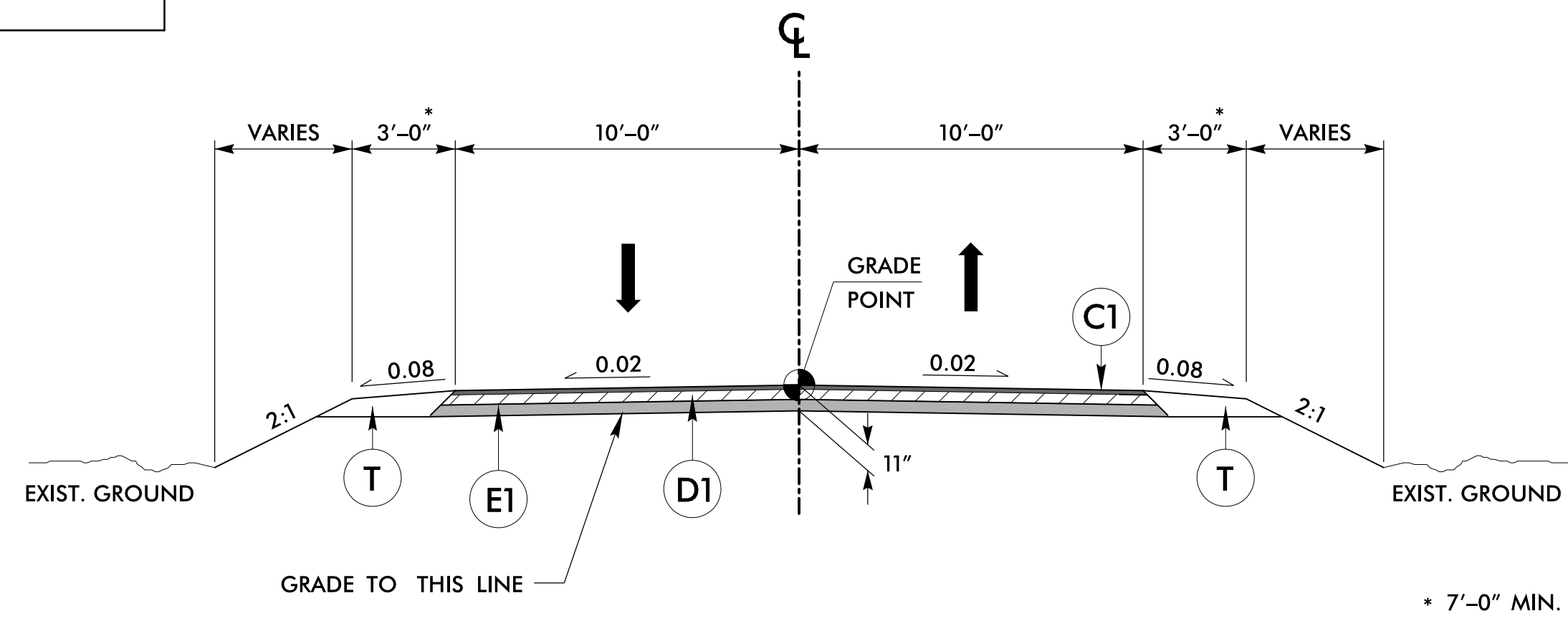
9/10/2021
11/14/2023
R:\Roadway\Proj\SH\T\TBP\4R158_r_dy_psh01B.dgn
Sauc16SL

PAVEMENT SCHEDULE	
C1	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.
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 1.5" IN DEPTH OR GREATER THAN 2" IN DEPTH.
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
D2	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 2.5" 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 3.0" IN DEPTH OR GREATER THAN 5.5" IN DEPTH.
J	8" AGGREGATE BASE COURSE
R	CONCRETE SHOULDER BERM GUTTER
T	EARTH MATERIAL
U	EXISTING PAVEMENT
W	PAVEMENT WEDGING

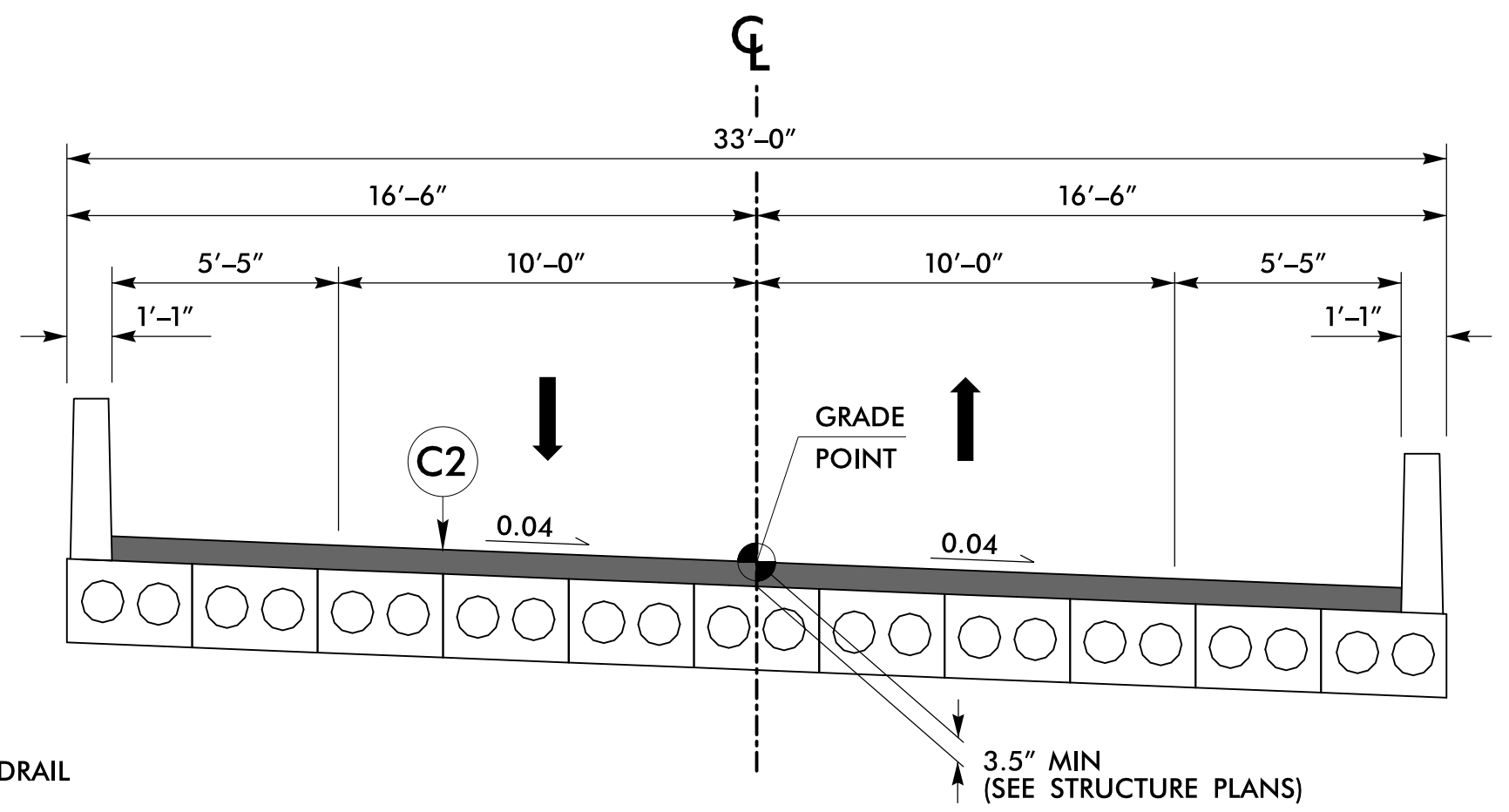
ALL PAVEMENT SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



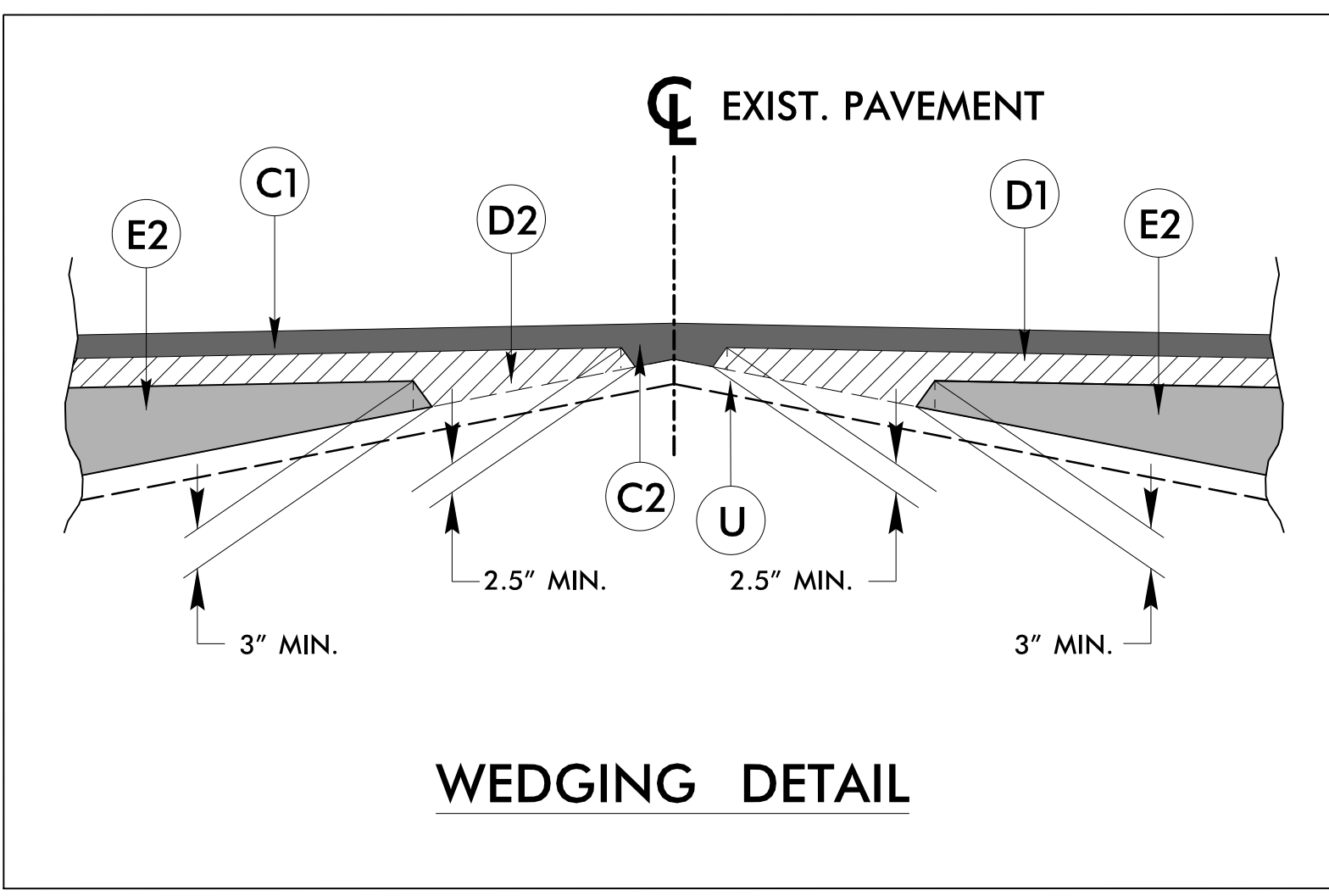
TYPICAL SECTION 1
 -L- STA. 14+50.00 TO 15+29.00
 -L- STA. 18+05.00 TO 20+60.00



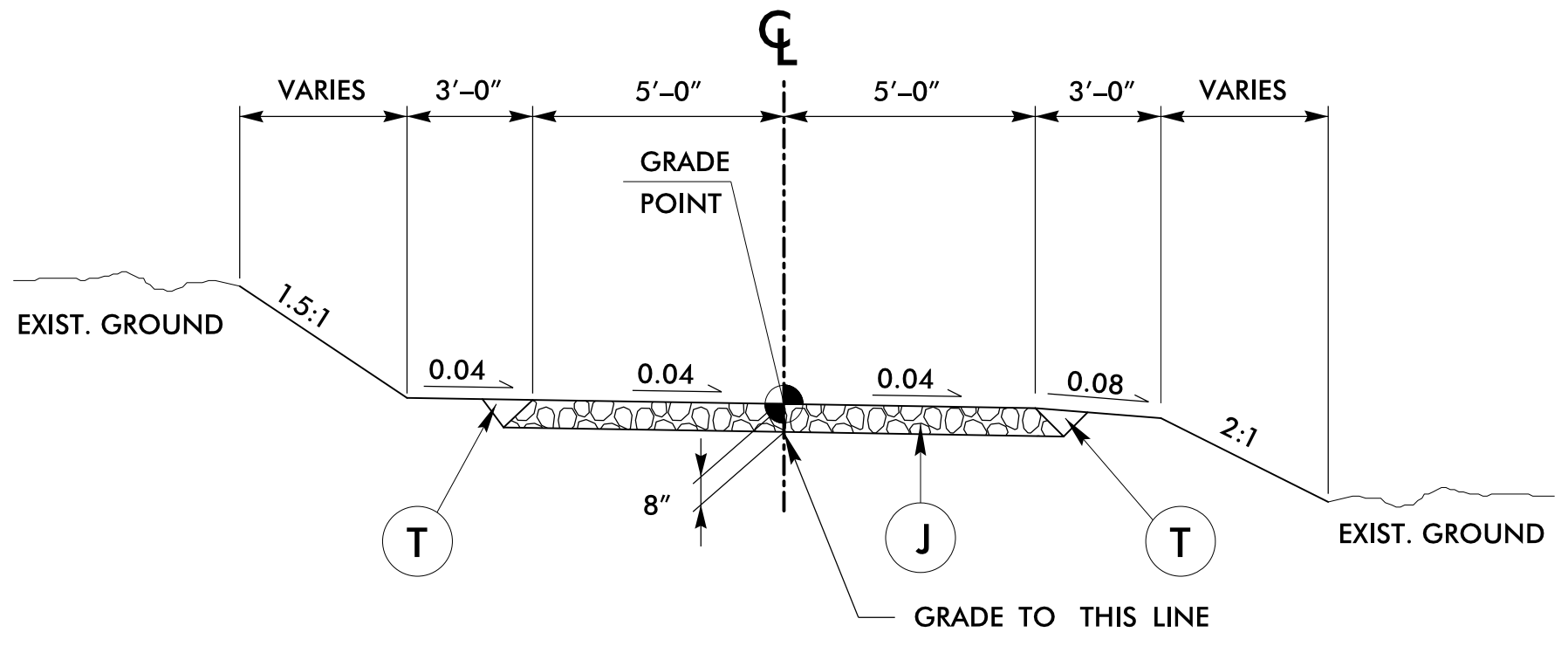
TYPICAL SECTION 2
 -L- STA. 15+29.00 TO 16+71.20 (BEGIN BRIDGE)
 -L- STA. 17+43.87 (END BRIDGE) TO 18+05.00



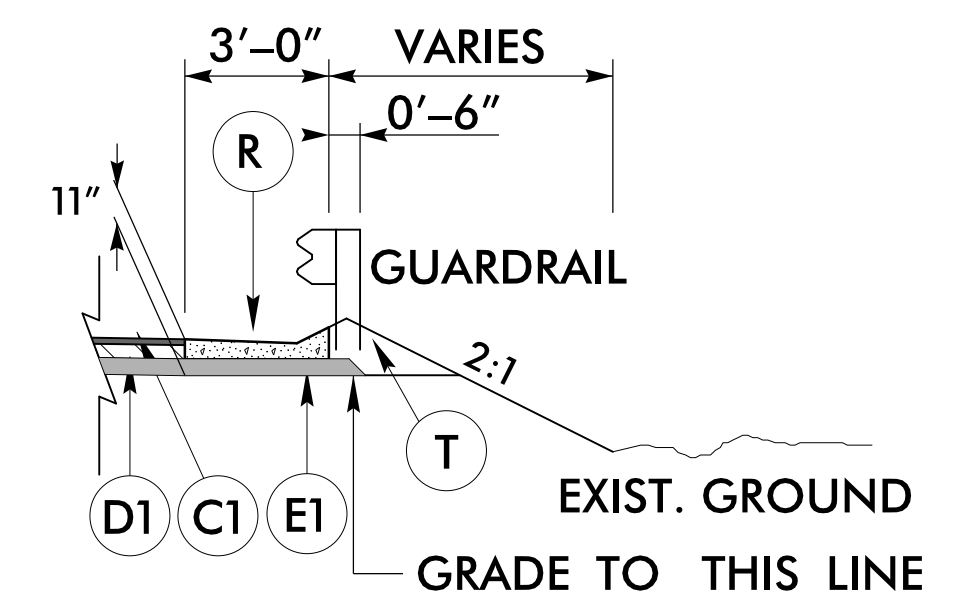
TYPICAL SECTION 3
 -L- STA. 16+71.20 (BEGIN BRIDGE) TO 17+43.87 (END BRIDGE)



WEDGING DETAIL



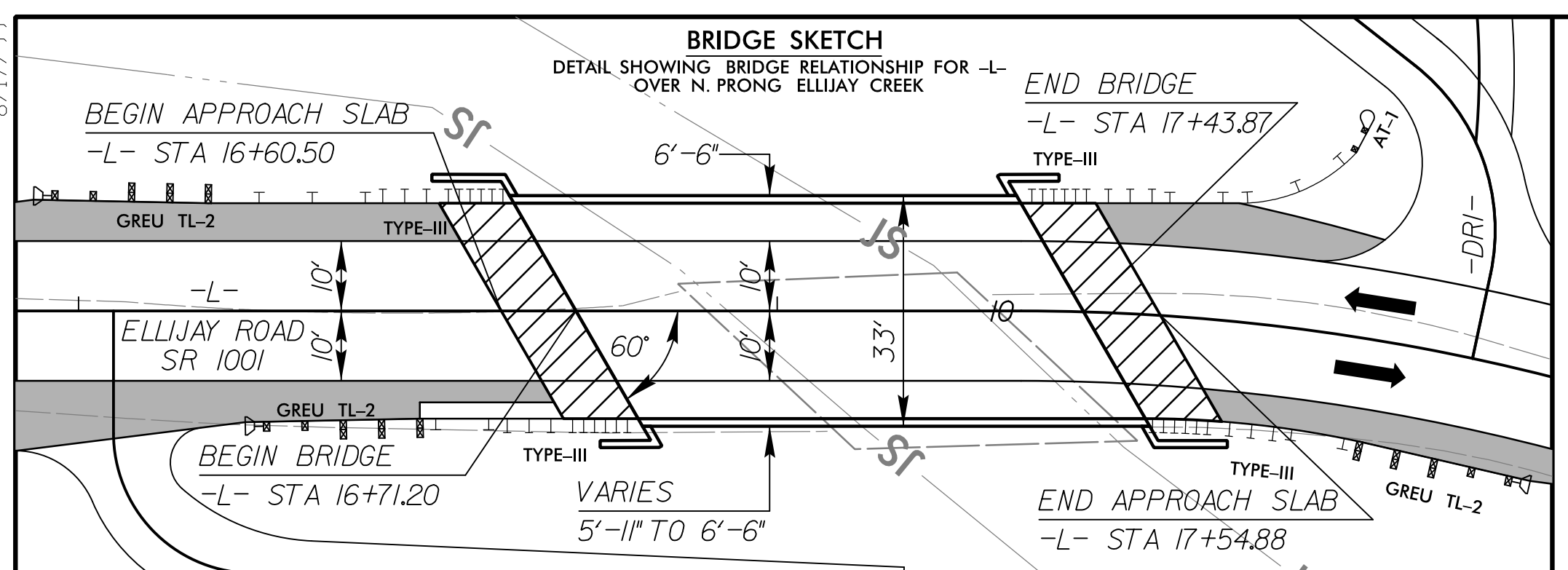
TYPICAL SECTION 4
 -DR1- STA. 10+50.00 TO 11+69.25
 -DR2- STA. 10+30.00 TO 10+83.47



DETAIL A
 -L- STA. 16+48.85 TO 16+66.27 (RT)

11/14/2023
 R:\Roadway\Proj\SHIT\TBP\4R158_r_dy_psh02A.typ.dgn
 SaucleSL

8/17/19



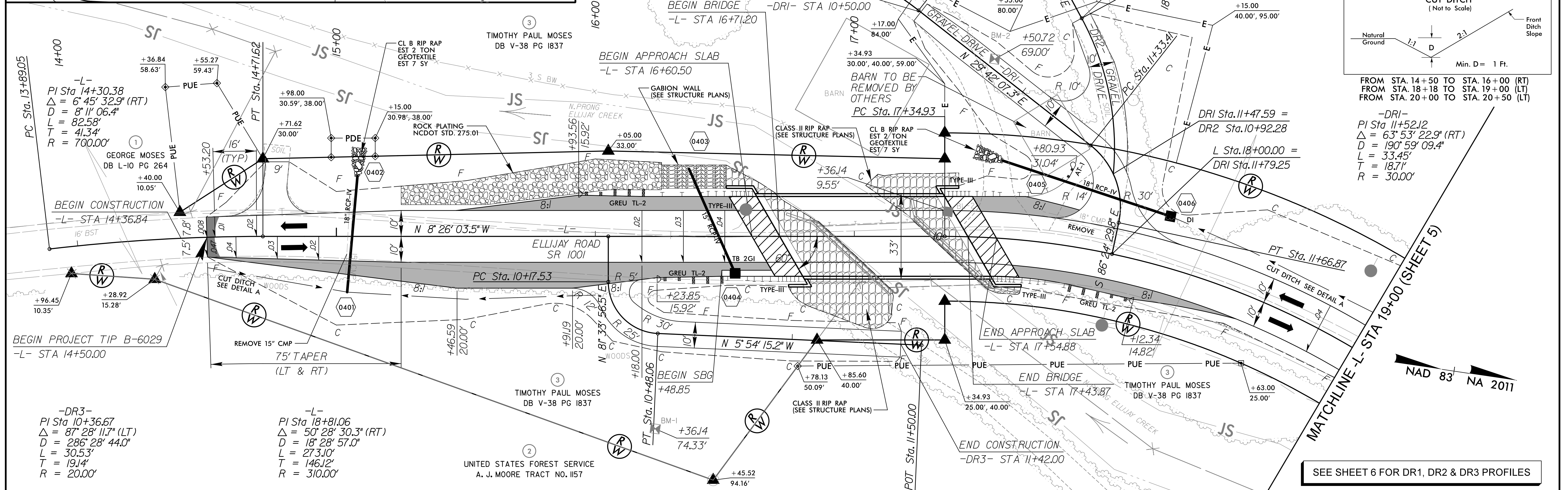
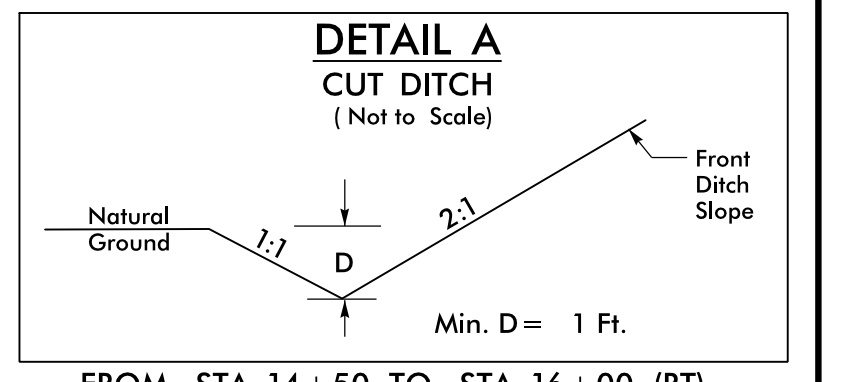
STV STV Engineers, Inc.
 900 West Trade St., Suite 715
 Charlotte, NC 28202
 NC License Number F-0991

PROJECT REFERENCE NO. **B-6029** SHEET NO. **4**

RW SHEET NO. ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER

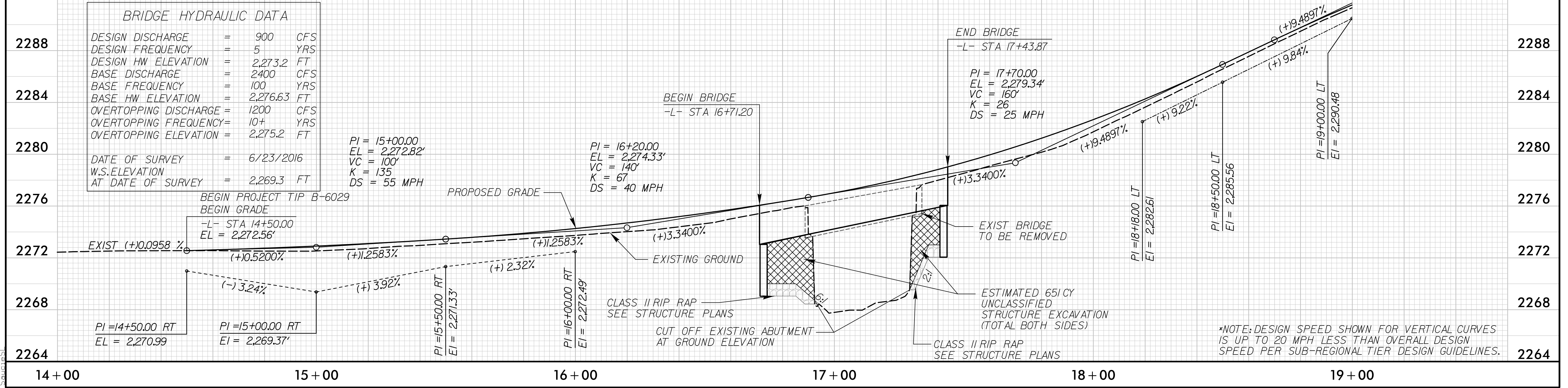
ENGINEER (Professional Seal) ENGINEER (Professional Seal)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	=	900	CFS
DESIGN FREQUENCY	=	5	YRS
DESIGN HW ELEVATION	=	2,273.2	FT
BASE DISCHARGE	=	2400	CFS
BASE FREQUENCY	=	100	YRS
BASE HW ELEVATION	=	2,276.63	FT
OVERTOPPING DISCHARGE	=	1200	CFS
OVERTOPPING FREQUENCY	=	10+	YRS
OVERTOPPING ELEVATION	=	2,275.2	FT
DATE OF SURVEY	=	6/23/2016	
W.S. ELEVATION AT DATE OF SURVEY	=	2,269.3	FT

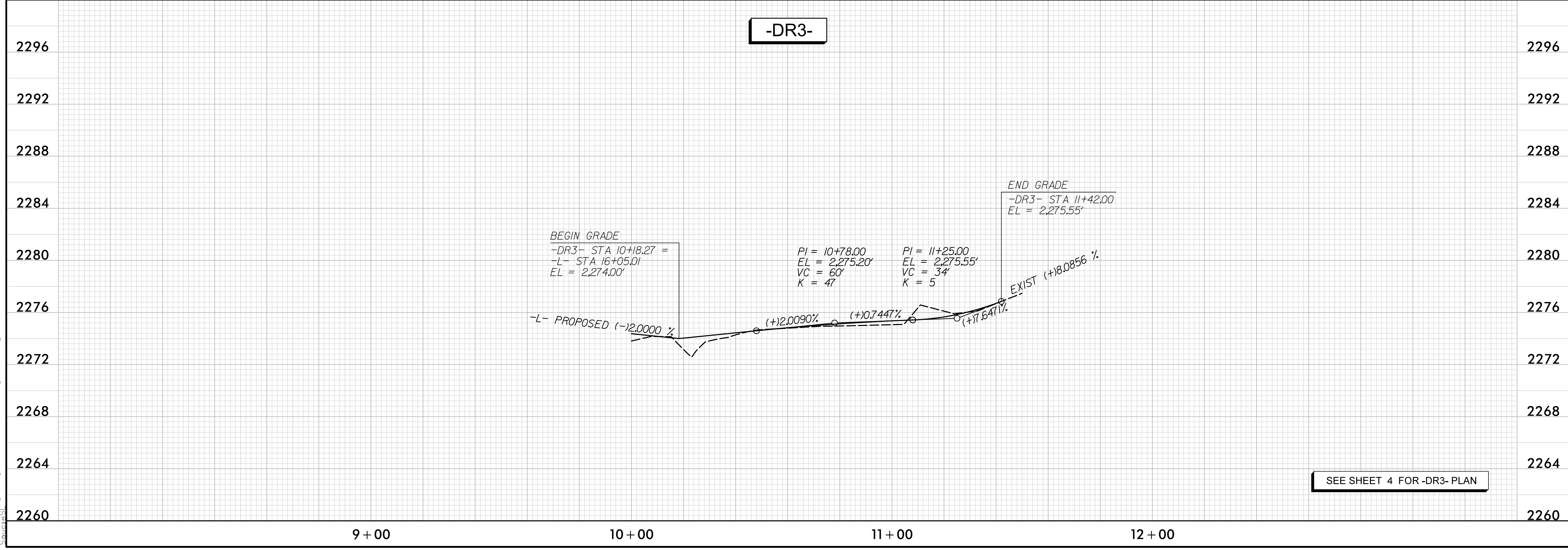
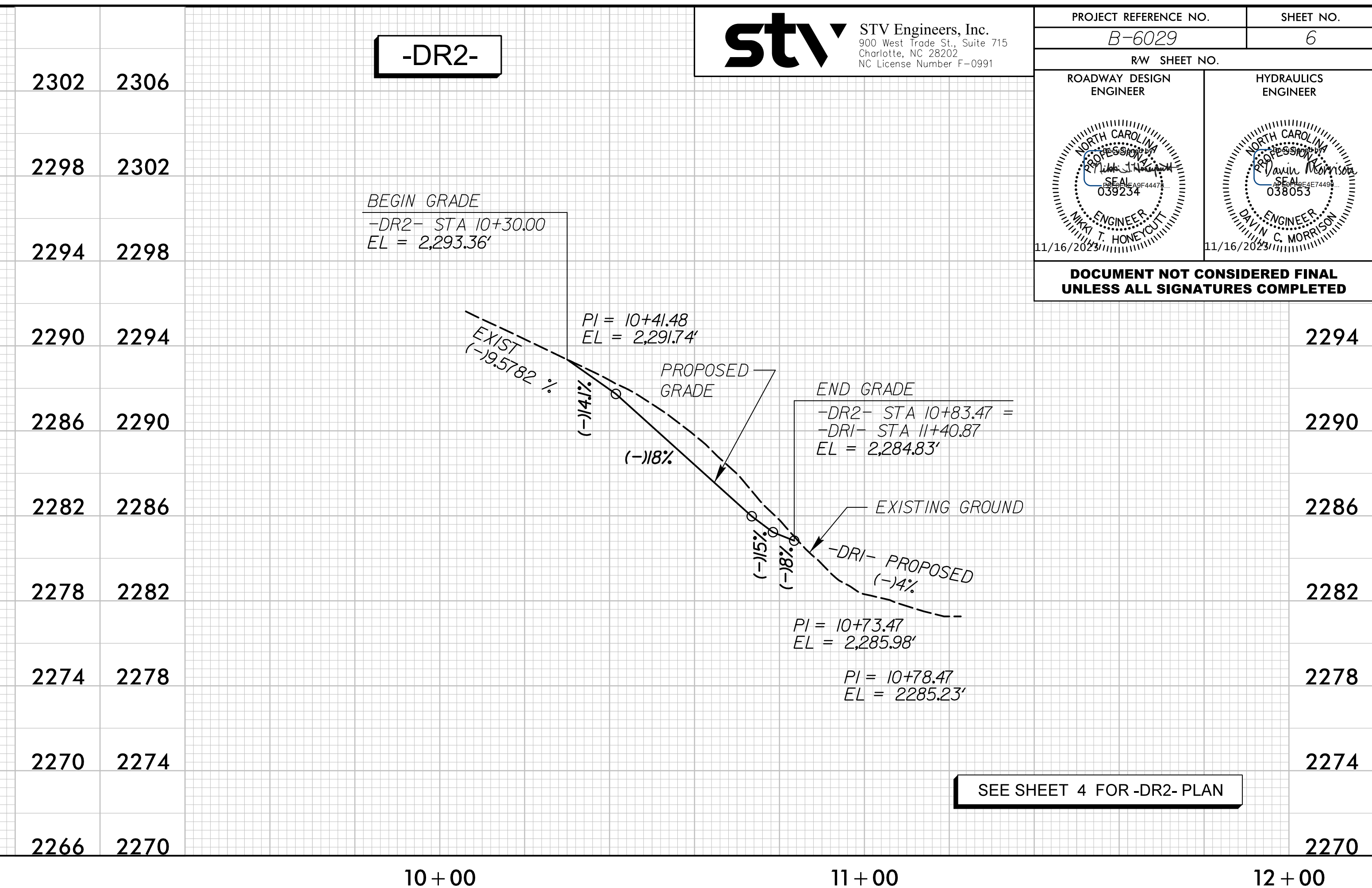
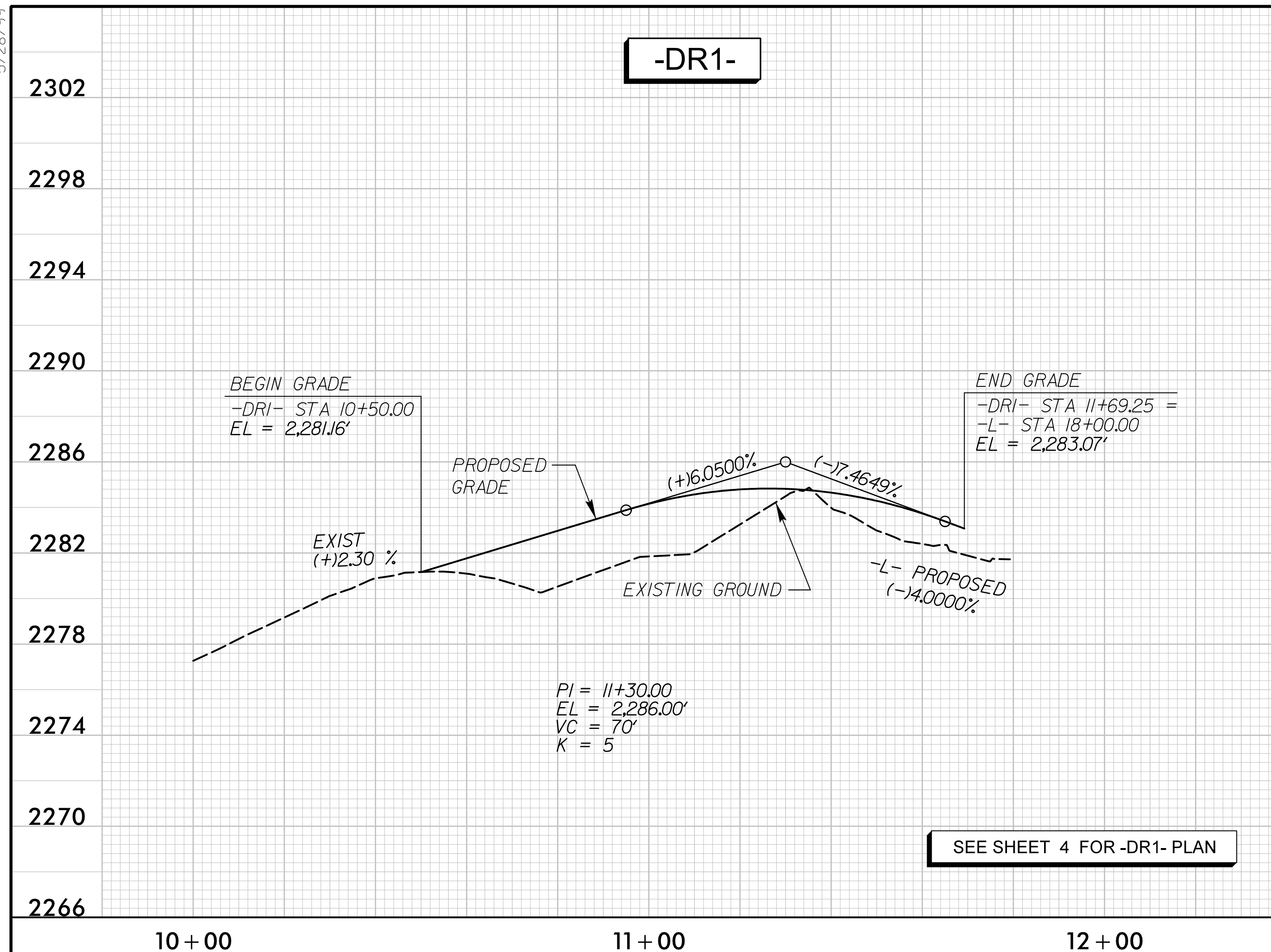


I:\16_2023\Proj\17BPT\17BPT14R156_rdy_psh04.dgn
 11/16/2023 10:37 AM
 Sources:

5/28/99



PROJECT REFERENCE NO.	SHEET NO.
B-6029	6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



11/4/2023 5:00:51 PM \\proj\proj\proj\175P14R158_rdy_psh06.dgn

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-6029	RW01	8

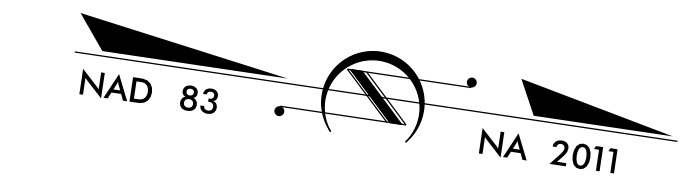
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

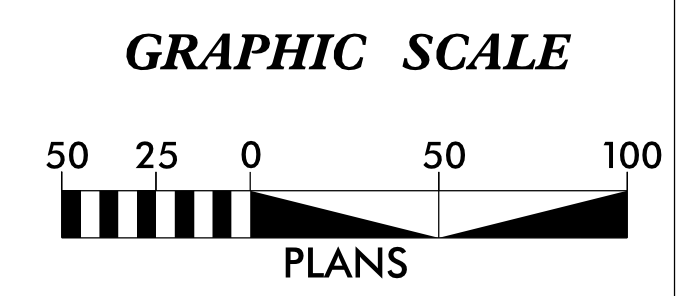
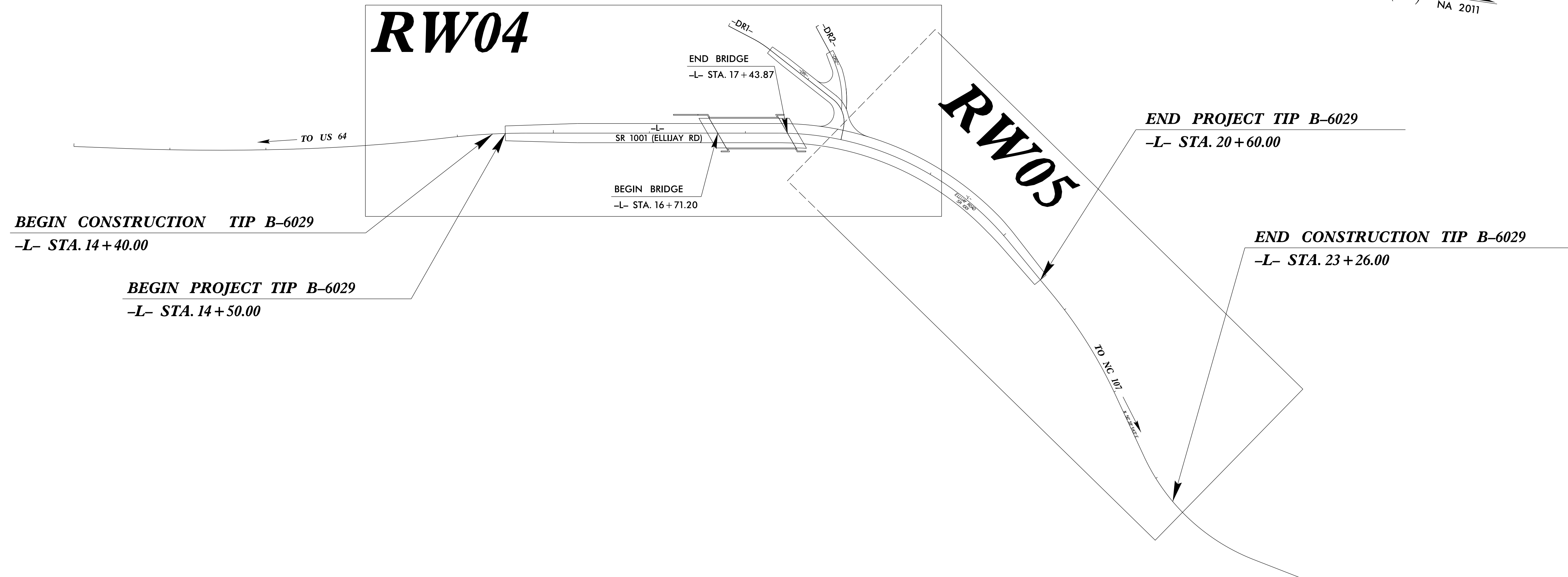
MACON COUNTY

**LOCATION: BRIDGE #009 OVER NORTH PRONG ELLIJAY CREEK ON
SR 1001 (ELLIJAY RD)**

TYPE OF WORK: GRADING, PAVING, DRAINAGE, & STRUCTURE



TIP PROJECT: B-6029



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "GPS-100"

WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 554,752.5450(ft) EASTING: 724,978.9180(ft)
ELEVATION: 2,246.890(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9997697459

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS-100" TO -L- STATION 14+50.00 IS
N 15°23'14.35" E 1900.85(ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

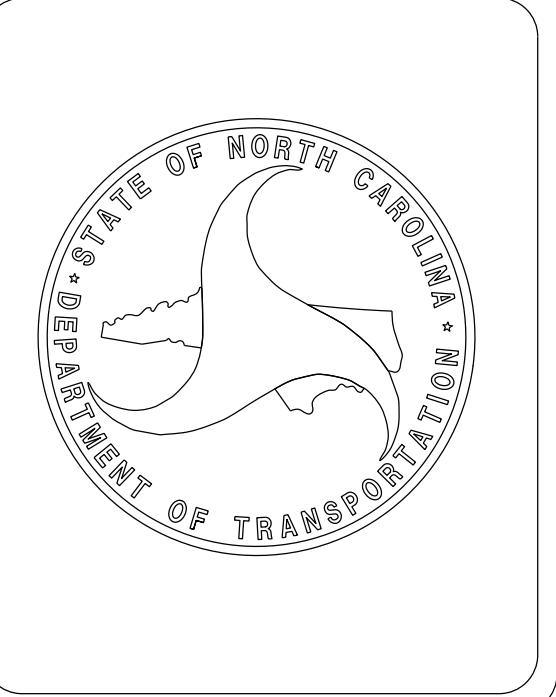
**LOCATION AND SURVEYS, DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779**

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: 09/25/2017	LETTING DATE: 01/23/2024
---	------------------------------------

PROFESSIONAL LAND SURVEYOR

DocuSigned by:
Brian Barwatt
SIGNATURE: *Brian Barwatt* DATE: 11/20/2023

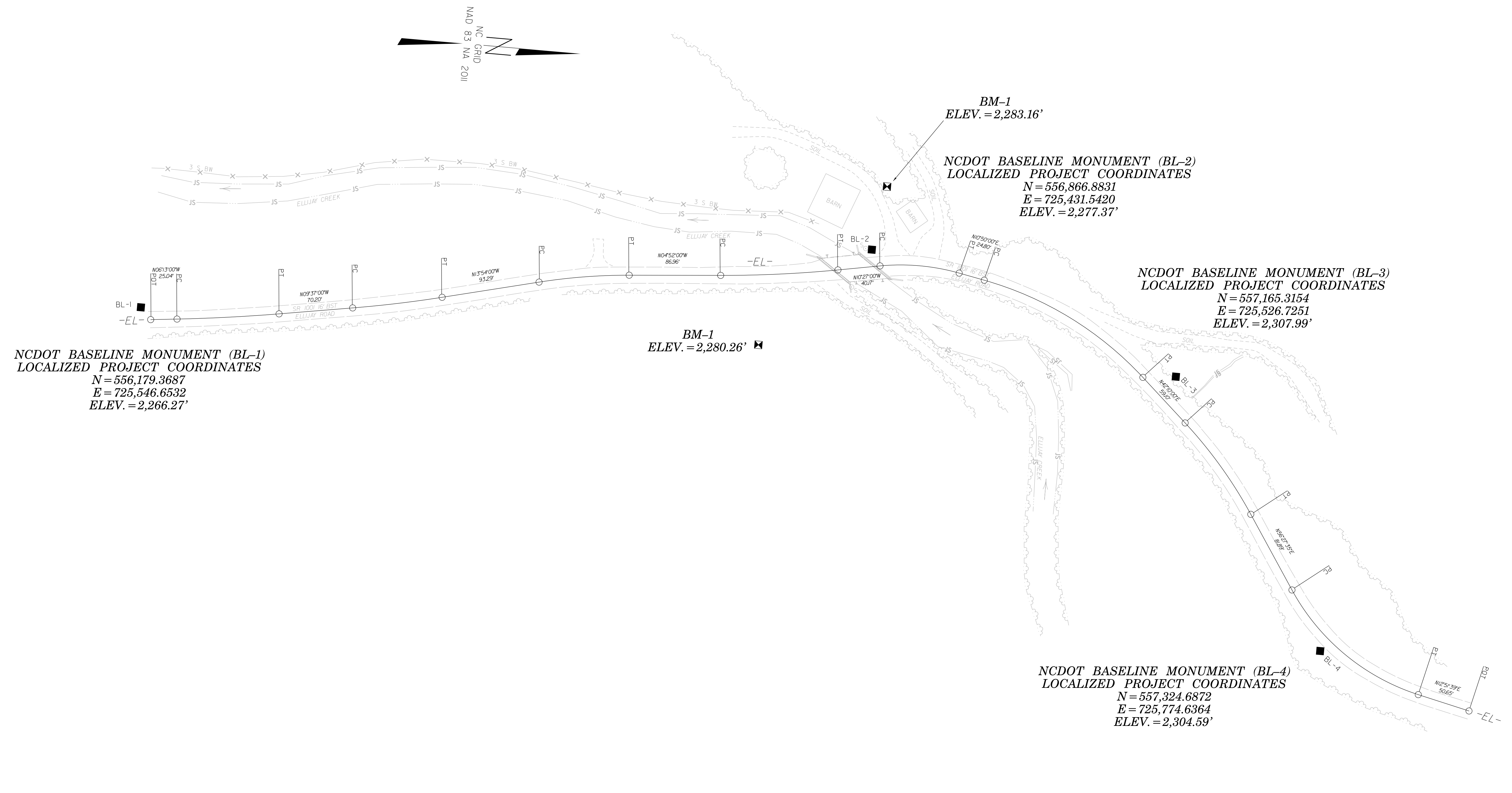
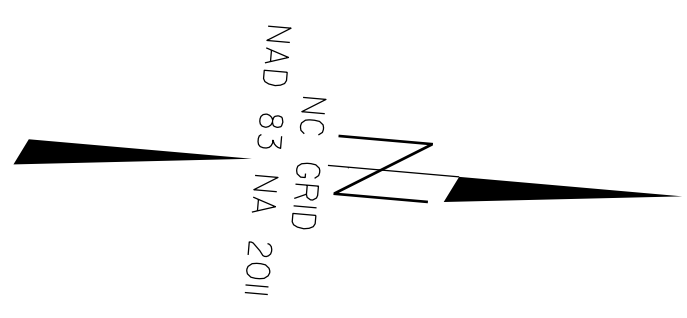


20-NOV-2023 08:50 C:\Sylva\bridge\550009\Survey Control\550009 From Bill\To Send\B6029_ls_rw01.dgn

SEE SHEET RW02C-3
FOR FURTHER
ALIGNMENT DETAILS

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



NCDOT BASELINE MONUMENT (BL-1)
LOCALIZED PROJECT COORDINATES
N = 556,179.3687
E = 725,546.6532
ELEV. = 2,266.27'

BM-1
ELEV. = 2,280.26'

BM-1
ELEV. = 2,283.16'

NCDOT BASELINE MONUMENT (BL-2)
LOCALIZED PROJECT COORDINATES
N = 556,866.8831
E = 725,431.5420
ELEV. = 2,277.37'

NCDOT BASELINE MONUMENT (BL-3)
LOCALIZED PROJECT COORDINATES
N = 557,165.3154
E = 725,526.7251
ELEV. = 2,307.99'

NCDOT BASELINE MONUMENT (BL-4)
LOCALIZED PROJECT COORDINATES
N = 557,324.6872
E = 725,774.6364
ELEV. = 2,304.59'

NOTES:

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/19

P:\JUL-2021\16.FI...550009\Survey Control\550009.ls-rw02c-1.dgn
 C:\Users\Brodg...LS-317302

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		BL - 1	556179.3687	725546.6532	2266.27
2		BL - 2	556866.8831	725431.5420	2277.37
3		BL - 3	557165.3154	725526.7251	2307.99
4		BL - 4	557324.6872	725774.6364	2304.59

 BM1 ELEVATION = 2280.26
 N 556767 E 725531
 BL STATION 10+82.46 81.75 RIGHT
 R/R SPIKE IN BASE OF 20" WALNUT

 BM2 ELEVATION = 2283.16
 N 556876 E 725371
 BL STATION 11+97.08 61.66 LEFT
 R/R SPIKE SET IN BASE OF 18" WALNUT

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

6/2/99

REVISIONS

19-JUL-2021 16:54
 C:\j\w\B-6029\550009\Survey Control\550009.ls-rw02c-2.dgn
 550009 LS-317302

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

6/2/99

REVISIONS

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	556189.694	725557.523							
LINE			N 06°13'00.0" W	25.04					
PC	556214.590	725554.811							
CURVE			N 07°55'00.0" W	97.13	03°24'00.0"(LT)	03°30'00.0"	97.14	48.59	1637.02
PT	556310.793	725541.434							
LINE			N 09°37'00.0" W	70.20					
PC	556380.009	725529.706							
CURVE			N 11°45'30.0" W	85.65	04°17'00.0"(LT)	05°00'00.0"	85.67	42.85	1145.92
PT	556463.858	725512.253							
LINE			N 13°54'00.0" W	93.29					
PC	556554.412	725489.843							
CURVE			N 09°23'00.0" W	85.94	09°02'00.0"(RT)	10°30'00.0"	86.03	43.11	545.67
PT	556639.205	725475.831							
LINE			N 04°52'00.0" W	86.96					
PC	556725.855	725468.453							
CURVE			N 07°39'30.0" W	111.62	05°35'00.0"(LT)	05°00'00.0"	111.67	55.88	1145.92
PT	556836.482	725453.578							
LINE			N 10°27'00.0" W	40.17					
PC	556875.989	725446.291							
CURVE			N 00°11'30.0" E	75.58	21°17'00.0"(RT)	28°00'00.0"	76.01	38.45	204.63
PT	556951.564	725446.544							
LINE			N 10°50'00.0" E	24.80					
PC	556975.922	725451.205							
CURVE			N 26°30'00.0" E	176.82	31°20'00.0"(RT)	17°30'00.0"	179.05	91.82	327.40
PT	557134.169	725530.104							
LINE			N 42°10'00.0" E	59.10					
PC	557177.972	725569.776							
CURVE			N 49°18'47.4" E	106.99	14°17'34.8"(RT)	13°19'28.6"	107.27	53.91	430.00
PT	557247.721	725650.904							
LINE			N 56°27'34.8" E	81.89					
PC	557292.968	725719.161							
CURVE			N 34°39'36.8" E	155.97	43°35'56.0"(LT)	27°17'01.3"	159.80	83.99	210.00
PT	557421.260	725807.863							
LINE			N 12°51'38.8" E	50.65					
POT	557470.641	725819.137							

NOTES:

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

P:\JUL-2021\656\550009\Survey Control\550009.ls-rw02c-3.dgn
 C:\JUL-2021\656\550009\Survey Control\550009.ls-rw02c-3.dgn
 6/2/99

PROPOSED ALIGNMENT CONTROL SHEET

6/2/99

REVISIONS

D:\JUL-2021\658\550009\Survey Control\550009.ls-rw02d-1.dgn
 6/2/99 11:37:40

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	556142.8532	725562.6257
PC	10+50.00	556192.5592	725557.2113
PCC	12+35.35	556375.9510	725530.5915
PRC	13+89.05	556525.8099	725496.6891
PT	14+71.62	556606.5925	725479.7924
PC	17+34.93	556867.0536	725441.1715
PT	20+08.03	557120.1173	725517.5916
PC	20+79.60	557173.2734	725565.5221
PT	22+01.98	557252.7872	725658.1113
PC	22+74.38	557292.5882	725718.5840
PT	24+34.87	557421.2616	725807.8633
POT	24+85.52	557470.6413	725819.1372

DR1

TYPE	STATION	NORTH	EAST
POT	10+00.00	556798.7484	725338.5166
PC	10+28.59	556825.7636	725347.8782
PT	10+48.92	556844.2500	725356.2670
PC	11+33.41	556917.6424	725398.1327
PT	11+66.87	556932.7188	725426.0705
POT	11+79.25	556931.9432	725438.4276

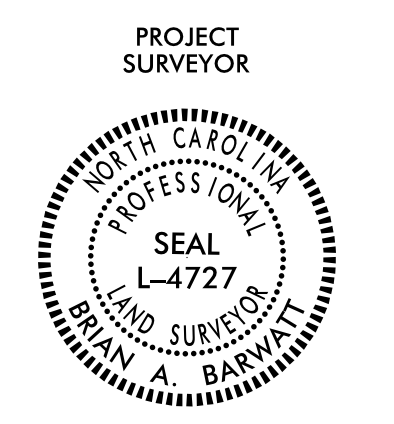
DR2

TYPE	STATION	NORTH	EAST
POT	10+00.00	556889.0014	725326.0422
PC	10+30.00	556907.0028	725350.0411
PT	11+02.46	556927.8928	725417.9330
POT	11+22.71	556926.9507	725438.1547

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATINO REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

RIGHT OF WAY CONTROL SHEET AND PERMANENT EASEMENT



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

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	14+40.00	-10.05	556573.5033	725475.2668
L	14+71.62	-30.00	556602.1922	725450.1168
L	16+05.00	-33.00	556733.6855	725427.5863
L	17+34.93	-30.00	556862.6533	725411.4959
L	17+34.93	-40.00	556861.1866	725401.6041
L	20+08.03	-40.00	557146.9037	725487.8849
L	20+55.00	-25.00	557171.7423	725530.4791
L	20+70.00	-10.02	557172.8523	725551.6475
L	20+70.00	9.98	557159.4591	725566.5009
L	20+50.00	25.00	557134.5459	725564.2642
L	20+08.03	25.00	557103.3759	725536.1583
L	17+34.93	25.00	556870.7204	725465.9011
L	17+34.93	40.00	556872.9206	725480.7389
L	16+85.60	40.00	556824.1196	725487.9750
L	16+45.52	94.16	556792.4167	725547.4249
L	14+29.04	13.75	556567.5248	725500.7715
L	14+05.59	10.40	556544.3161	725502.6430

PDE

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	14+98.00	-30.59	556628.1958	725445.6613
L	14+98.00	-38.00	556627.1094	725438.3347
L	15+15.00	-38.00	556643.9255	725435.8412
L	15+15.00	-30.98	556644.9558	725442.7896
L	20+19.00	25.00	557111.5232	725543.5048
L	20+19.00	40.00	557101.4783	725554.6448
L	19+90.00	40.00	557081.3696	725537.1275
L	19+90.00	25.00	557090.7499	725525.4224

PUE

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	14+36.84	-58.63	556560.8528	725428.2547
L	14+55.27	-59.43	556580.3531	725423.8118
L	20+31.00	-32.66	557159.0508	725508.7152
L	23+30.00	-54.00	557364.6919	725720.0185
L	23+26.00	-10.00	557332.7218	725750.4373
L	18+63.00	25.00	556987.4181	725472.8356
L	16+78.13	50.09	556818.2114	725499.0542

I, Brian Barwatt, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 19th day of July, 2021.

DocuSigned by:
Brian Barwatt
Professional Land Surveyor

L-4727
PLS #

Seal

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

REVISIONS

6/2/19

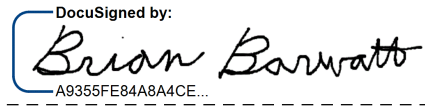
D:\JUL-2021\616\550009\Survey Control\550009\Resend\550009.LS-rw03e-1.dgn
C:\Users\barwatt\Documents\550009\LS-317.dgn
B. Barwatt

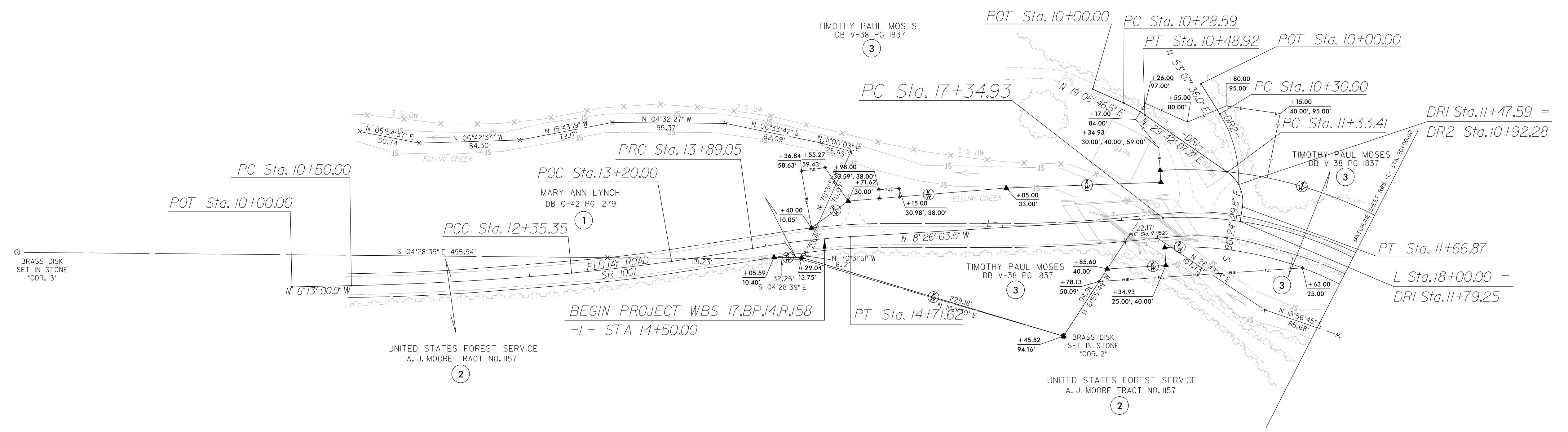
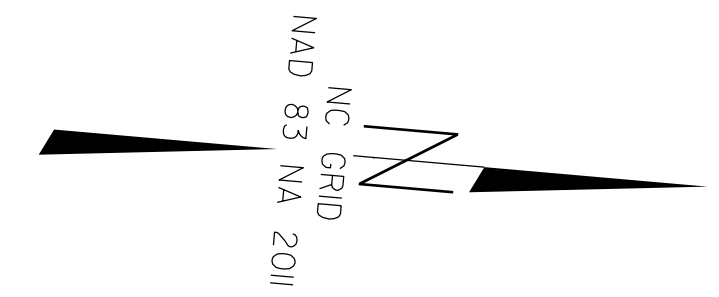
I, Brian Barwatt, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 19th day of July, 2021.

Digitally signed by: 
 Professional Land Surveyor L-4727 PLS # Seal



-L-	-L-	-L-	-L-	-DRI-	-DRI-	-DR2-
PI Sta 11+42.72	PI Sta 13+12.25	PI Sta 14+30.38	PI Sta 18+81.06	PI Sta 10+38.79	PI Sta 11+52.12	PI Sta 10+67.74
$\Delta = 4' 05'' 04.5''$ (LT)	$\Delta = 4' 53'' 31.9''$ (LT)	$\Delta = 6' 45'' 32.9''$ (RT)	$\Delta = 50' 28'' 30.3''$ (RT)	$\Delta = 10' 35'' 20.8''$ (RT)	$\Delta = 63' 53'' 22.9''$ (RT)	$\Delta = 39' 32'' 27.3''$ (RT)
D = 2' 12' 13.3"	D = 3' 10' 59.2"	D = 8' 11' 06.4"	D = 18' 28' 57.0"	D = 52' 05' 13.5"	D = 190' 59' 09.4"	D = 54' 34' 02.7"
L = 185.35'	L = 153.69'	L = 82.58'	L = 273.10'	L = 20.33'	L = 33.45'	L = 72.46'
T = 92.72'	T = 76.89'	T = 41.34'	T = 146.12'	T = 10.19'	T = 18.71'	T = 37.74'
R = 2,600.00'	R = 1,800.00'	R = 700.00'	R = 310.00'	R = 110.00'	R = 30.00'	R = 105.00'

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

6/2/19

REVISIONS

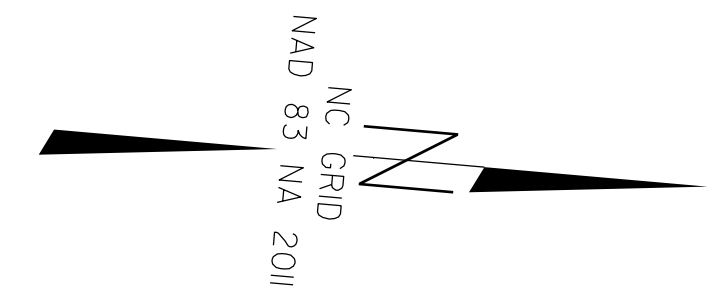
C:\N0V-2023\556550009\Survey Control\550009_1s.rw04.dgn
 From Bill To Send\550009_1s.rw04.dgn
 6/2/2023 15:23
 Brian Barwatt
 L-4727

I, Brian Barwatt, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

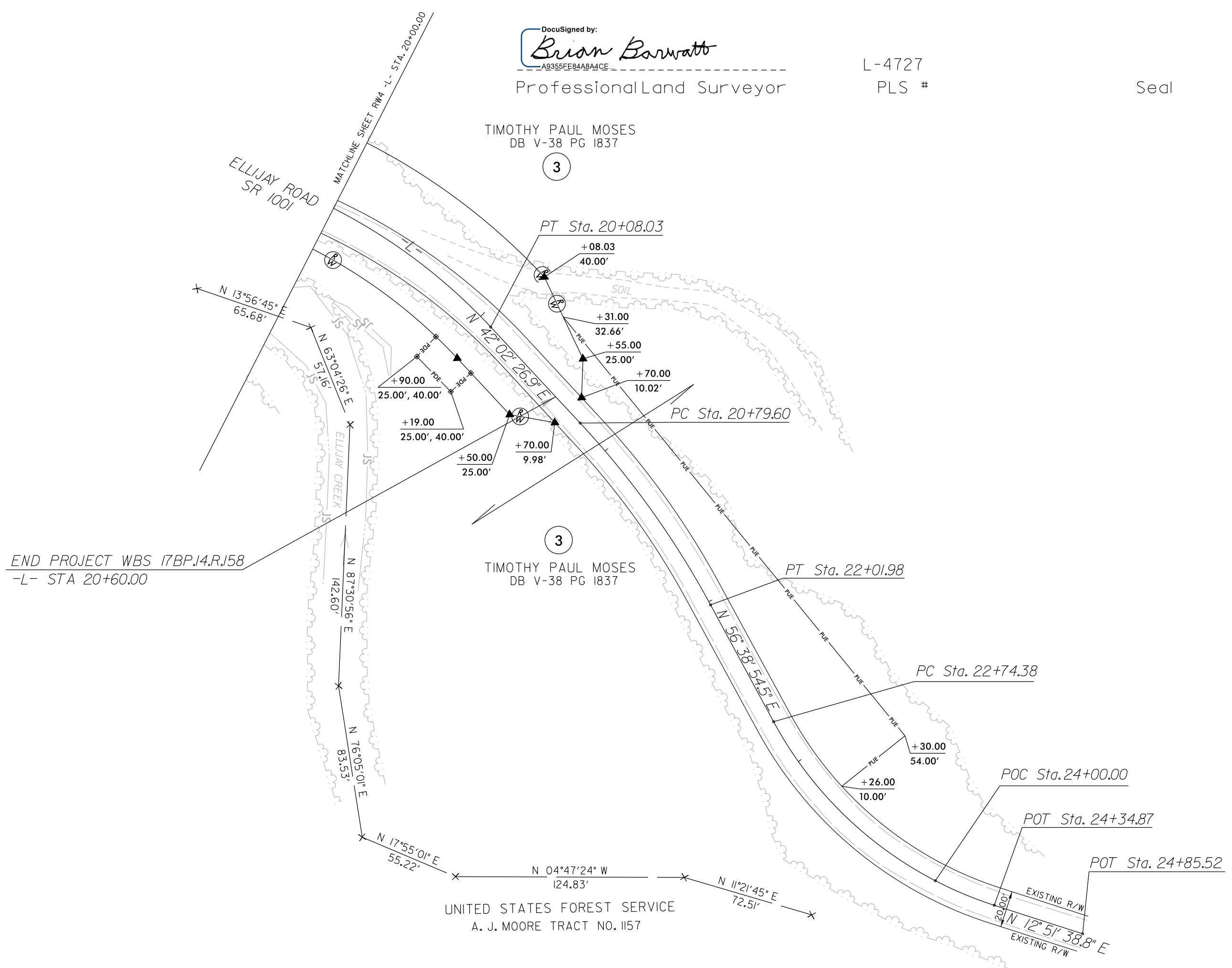
I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 19th day of July, 2021.



DocuSigned by:
Brian Barwatt
Professional Land Surveyor L-4727 PLS # Seal



PI Sta 18+81.06 Δ = 50° 28' 30.3" (RT) D = 18° 28' 57.0" L = 273.10' T = 146.12' R = 310.00'	PI Sta 21+41.13 Δ = 14° 36' 27.7" (RT) D = 11° 56' 11.8" L = 122.38' T = 61.52' R = 480.00'	PI Sta 23+58.77 Δ = 43° 47' 15.7" (LT) D = 27° 17' 01.3" L = 160.49' T = 84.39' R = 210.00'
---	--	--

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

REVISIONS

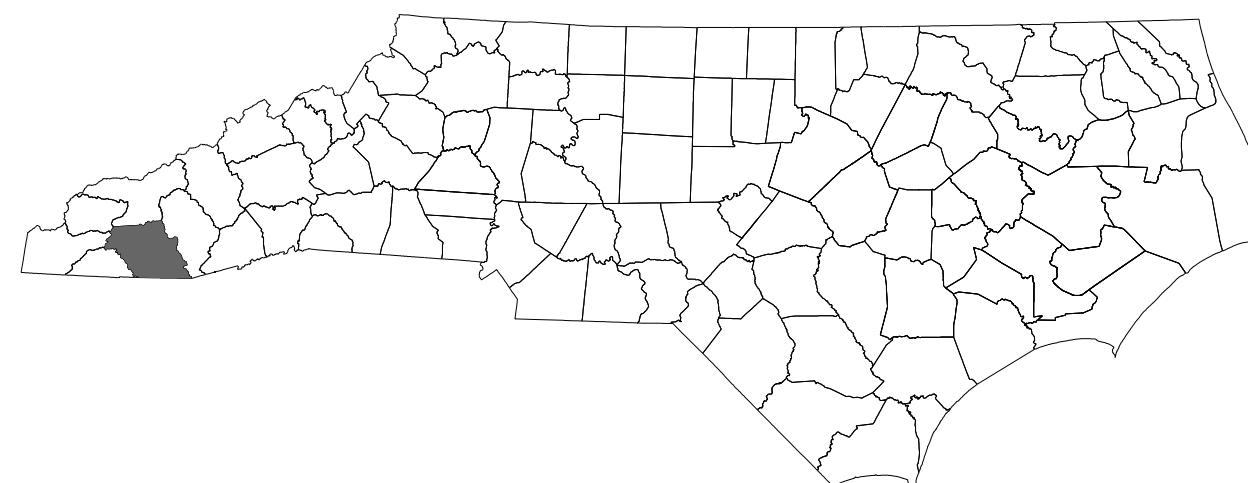
6/2/19

C:\N0V-2023\553\550009\Survey Control\550009_1s.rw05.dgn
From Bill\To Send\6029_1s.rw05.dgn
LS-3301731
Barwatt

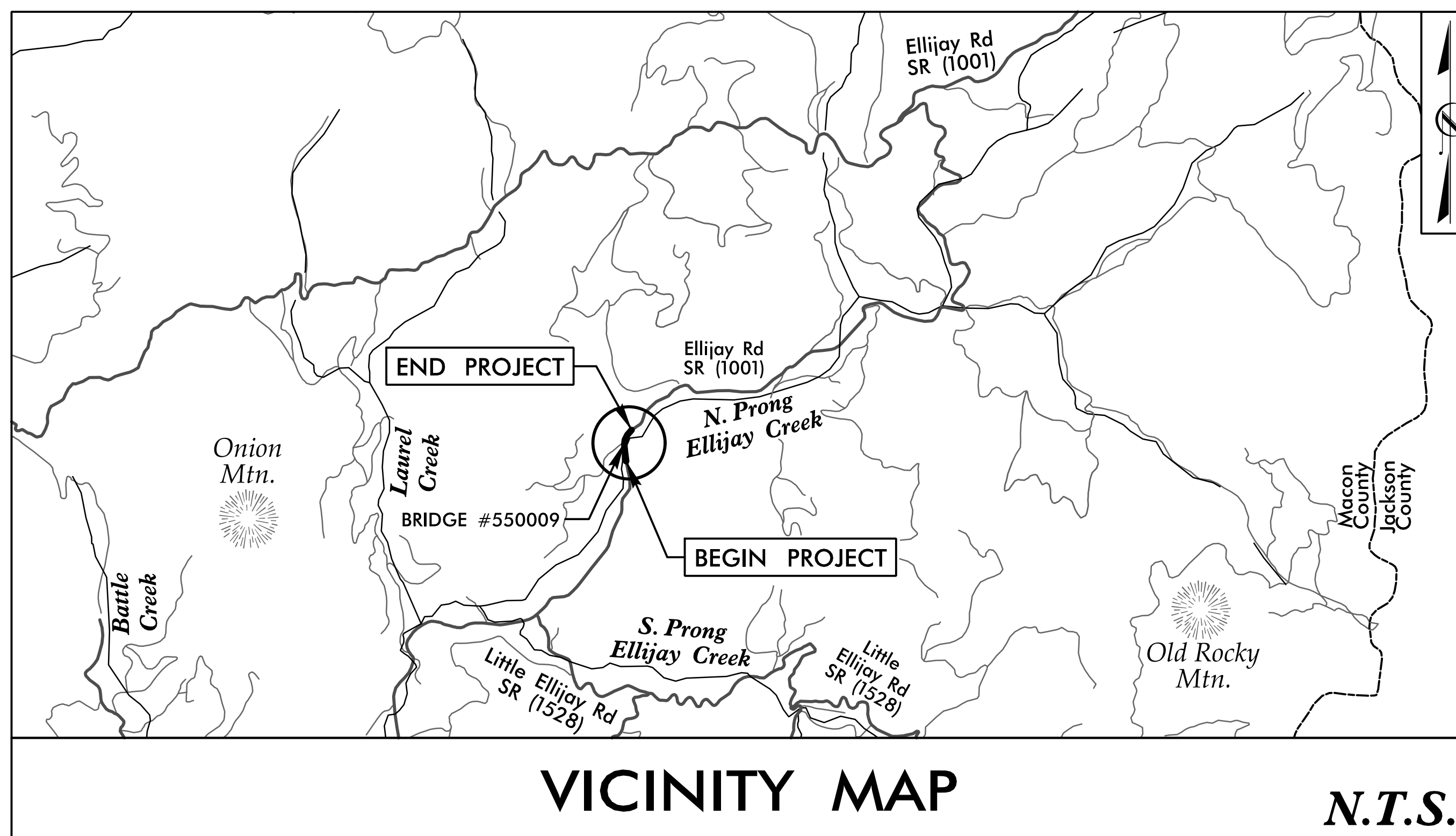
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

MACON COUNTY



**LOCATION: BRIDGE #009 OVER NORTH PRONG
ELLIJAY CREEK ON SR 1001 (ELLIJAY RD)**
TYPE OF WORK: GRADING, DRAINAGE, PAVING & STRUCTURES

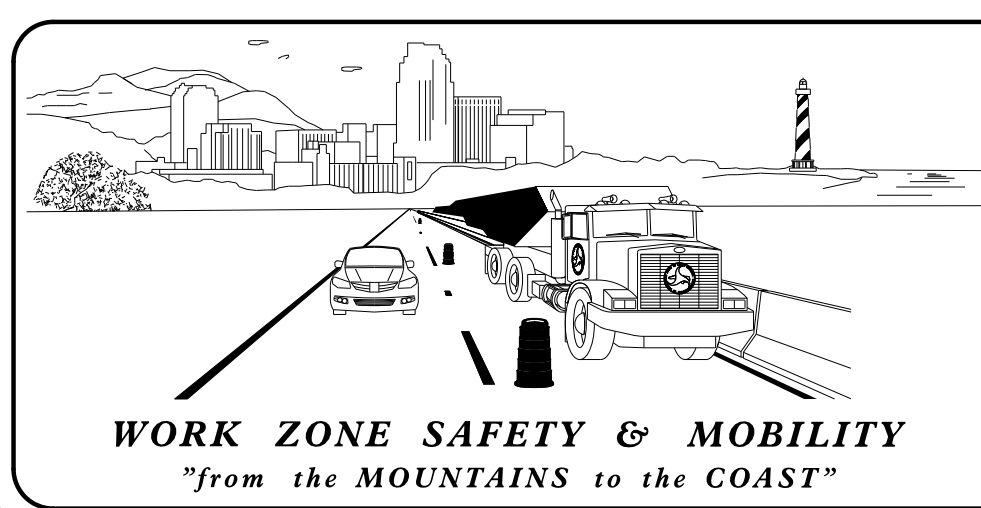


INDEX OF SHEETS	
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-2	TRANSPORTATION OPERATIONS PLAN
TMP-2A	TEMPORARY SHORING NOTES
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4	PHASE I DETAILS
TMP-5	PHASE II DETAILS

SHEET NO.
TMP-1

R:\Traffic\TrafficControl\TCP\CP_Sheets\TBP\4R\5B_TCP_SHT_1.dgn

11/14/2023



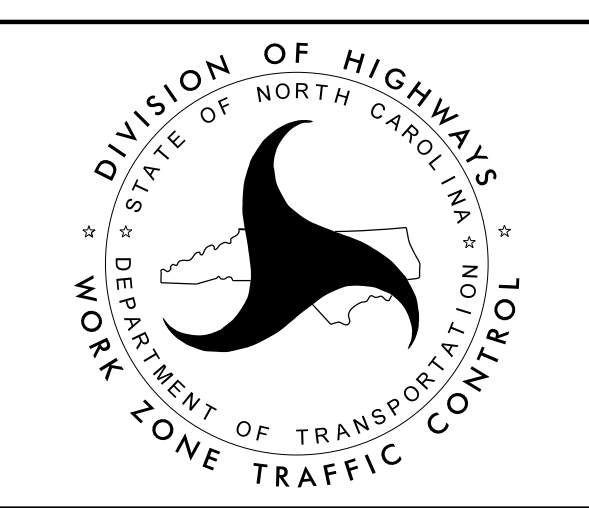
N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
 1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
 750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
 PHONE: (919) 773-2800 FAX: (919) 771-2745

JOSEPH E. HUMMER, PE STATE TRAFFIC MANAGEMENT ENGINEER

_____ TRAFFIC CONTROL PROJECT ENGINEER

_____ TRAFFIC CONTROL PROJECT DESIGN ENGINEER

_____ TRAFFIC CONTROL DESIGN ENGINEER



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

stv STV Engineers, Inc.
 900 West Trade St., Suite 715
 Charlotte, NC 28202
 NC License Number F-0991

NIKKI T. HONEYCUTT, PE
 TRAFFIC ENGINEER

STEPHANIE M. PHILLIPS, PE
 TRANSPORTATION DESIGNER

APPROVED:
DATE: 11/16/2023



TIP PROJECT: B-6029

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUM
1135.01	CONES
1150.01	FLAGGING DEVICES
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.10	PAVEMENT MARKINGS - BRIDGES
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.

- WORK AREA
- REMOVAL/BREAKING OF PAVEMENT
- TEMPORARY PAVEMENT
- PORTABLE BARRIER

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM
- SKINNY DRUM
- TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW PANEL (TYPE C)
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY
- PORTABLE TRAFFIC SIGNAL

TEMPORARY PAVEMENT MARKING

- PAINT 4"
- P1 WHITE EDGE LINE
- PAINT 24"
- P61 WHITE STOPBAR

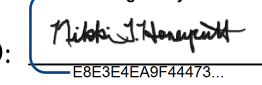
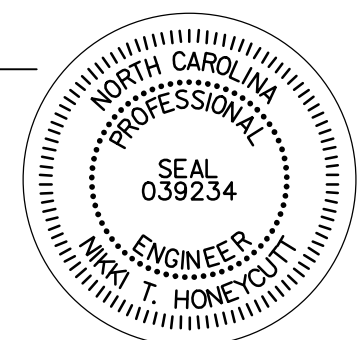

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

I:\14\2023\RA\TrafficControl\TCP_Sheets\7BP_14_R158_TCP_SHT_1A.dgn
SauciesL

APPROVED:  DATE: 11/16/2023 SEAL 		ROADWAY STANDARD DRAWINGS & LEGEND
<p style="text-align: center;">DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		



BRIDGE #550009

PROJECT NOTES

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- A) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- B) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- E) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- F) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
 - BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
 - BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
 - BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- G) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 ft IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- H) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- I) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- J) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- K) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- L) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN OPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

- M) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
SR 1001 (ELLIJAY RD) (-L-)	PAINT	NONE

- N) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- O) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- P) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

- Q) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 100 FT AND 200 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

LOCAL NOTES

1. CONTACT MACON COUNTY EMERGENCY SERVICES AND SCHOOLS AT LEAST ONE MONTH PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL BUILD AS MUCH AS POSSIBLE AWAY FROM TRAFFIC.

MANAGEMENT STRATEGIES

PHASE I - TRAFFIC WILL BE MAINTAINED ON THE EXISTING ROAD, BUT REDUCED TO ONE LANE USING TEMPORARY SIGNALS AND PAVEMENT MARKINGS AS THE NEW ALIGNMENT IS CONSTRUCTED.

PHASE II - TRAFFIC WILL BE SHIFTED TO ONE LANE ON THE NEW ALIGNMENT USING TEMPORARY SIGNALS AND PAVEMENT MARKINGS WHILE THE REMAINDER IS CONSTRUCTED. A FLAGGING OPERATION WILL BE USED TO CONSTRUCT THE NEW TIE-INS.

PHASE III - THE TEMPORARY TRAFFIC SIGNALS WILL BE REMOVED AND TWO WAY TRAFFIC WILL BE MAINTAINED USING TEMPORARY LANE CLOSURES TO CONSTRUCT THE FINAL PAVEMENT SURFACE AND PAVEMENT MARKINGS.

11/14/2023 R:\Traffic\TrafficControl\TCP\TCP_Sheets\78BP\44.R\58_TCP_SHT_2.dgn

APPROVED: DATE: 11/16/2023 SEAL			<h3>TRANSPORTATION OPERATIONS PLAN</h3>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

PROJ. REFERENCE NO.	SHEET NO.
B-6029	TMP-3



BRIDGE *550009

PROJECT PHASING

PHASE I

- STEP 1: INSTALL ADVANCED WORK ZONE WARNING SIGNS IN ACCORDANCE TO NCDOT RSD. 1101.01 SHEET 3 OF 3.
- STEP 2: USING NCDOT RSD. 1101.02 SHEET 17 OF 19, INSTALL PORTABLE TRAFFIC SIGNALS, SIGNING, TEMPORARY PAVEMENT MARKINGS, TEMPORARY BARRIER, DRUMS, AND TEMPORARY SHORING NO. 1 AND NO. 2 AS SHOWN ON SHEET TMP-4. ONCE SIGNS AND DEVICES ARE IN PLACE, ACTIVATE PORTABLE TRAFFIC SIGNALS AND PLACE TRAFFIC INTO A ONE-LANE, TWO-WAY OPERATION.
- STEP 3: REMOVE EXISTING LEFT SIDE BRIDGE RAIL AND SAW CUT AND REMOVE LEFT SIDE OF EXISTING BRIDGE.
- STEP 4: CONSTRUCT LEFT SIDE OF BRIDGE, GUARDRAIL, AND -L- (SR 1001) FROM +/- STA. 14+50 TO 20+60, UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE AS SHOWN ON SHEET TMP-4.

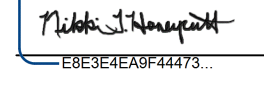
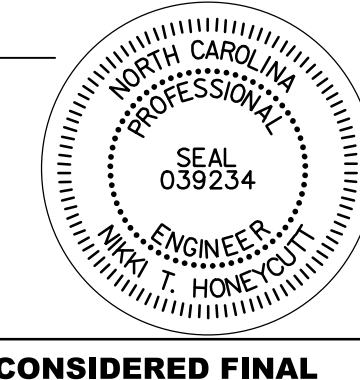
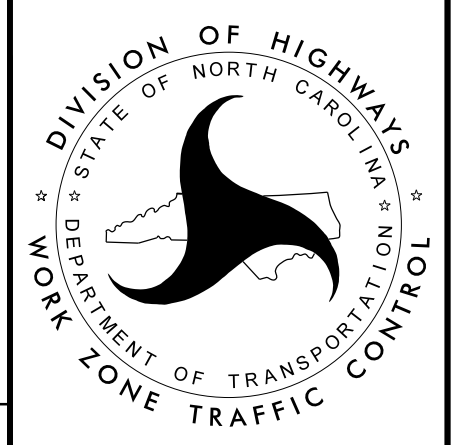
PHASE III

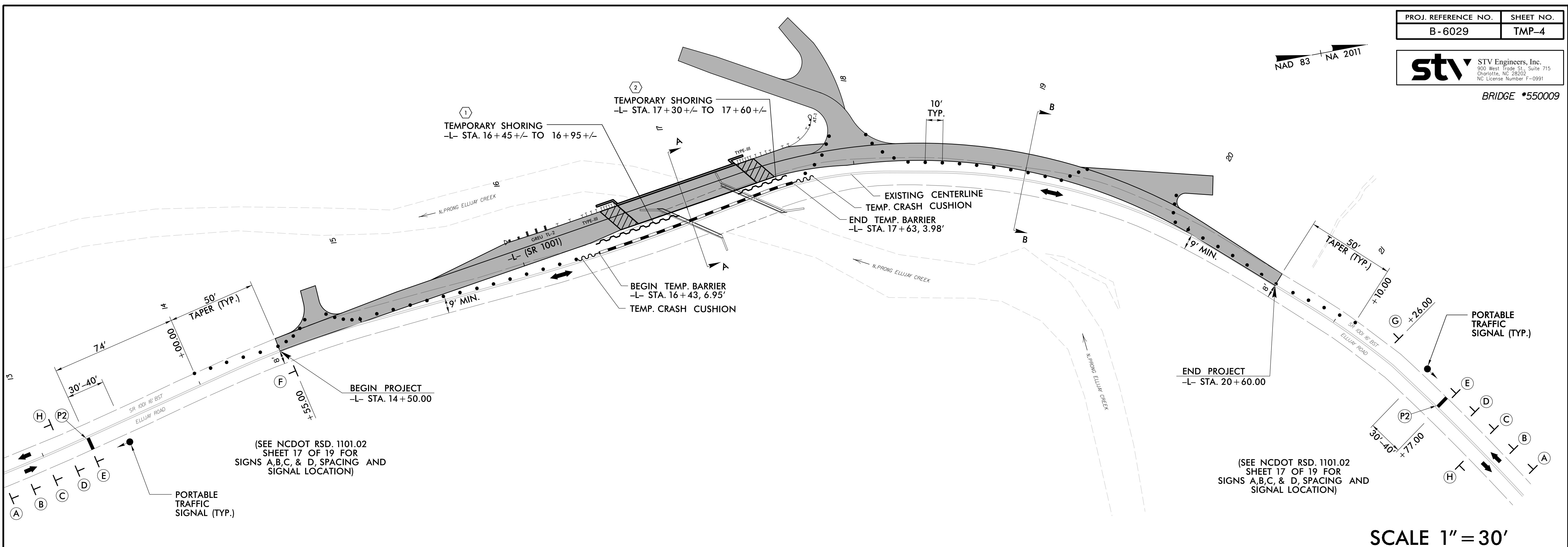
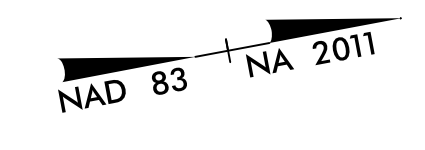
- STEP 1: USING NCDOT RSD. 1101.02 SHEET 1 OF 19, REMOVE TEMPORARY BARRIER, TEMPORARY TRAFFIC SIGNALS AND CONFLICTING TEMPORARY PAVEMENT MARKINGS.
- STEP 2: USING NCDOT RSD. 1101.02 SHEET 1 OF 19, INSTALL FINAL LAYER OF SURFACE COURSE AND PAVEMENT MARKINGS ON -L-.
- STEP 3: ONCE ALL CONSTRUCTION IS COMPLETE, REMOVE ALL SIGNS AND DEVICES, AND PLACE TRAFFIC IN ITS FINAL PATTERN.

PHASE II

- STEP 1: USING NCDOT RSD. 1101.02 SHEET 17 OF 19, INSTALL SIGNING, TEMPORARY PAVEMENT MARKINGS, TEMPORARY BARRIER AND DRUMS AS SHOWN ON SHEET TMP-5. ONCE SIGNS AND DEVICES ARE IN PLACE, ACTIVATE PORTABLE TRAFFIC SIGNALS AND SHIFT ONE-LANE, TWO-WAY TRAFFIC ONTO THE NEWLY CONSTRUCTED LEFT SIDE OF -L-.
- STEP 2: AWAY FROM TRAFFIC REMOVE EXISTING BRIDGE, CONSTRUCT RIGHT SIDE OF BRIDGE, AND RIGHT SIDE OF -L- (SR 1001) FROM +/- STA. 14+50 TO 20+60, UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE AS SHOWN ON SHEET TMP-5.

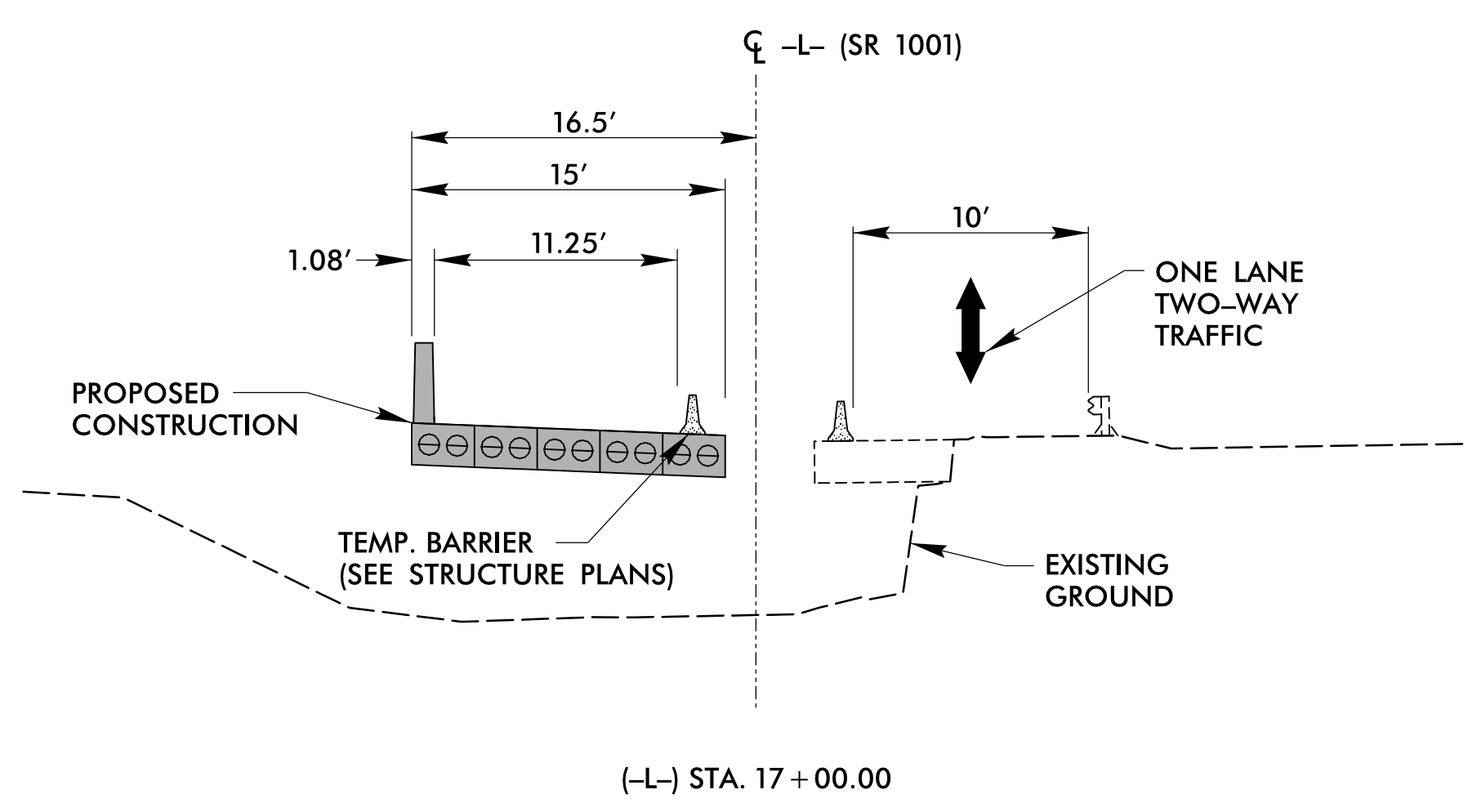
I:\14\2023\B\TrafficControl\TCP\TCP_Sheets\7BP\4.4.158_TCP_SHT_3.dgn
S:\u\esl

<p>APPROVED: </p> <p>DATE: 11/16/2023</p> <p>SEAL</p> 		<p>TEMPORARY TRAFFIC CONTROL PHASING</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		



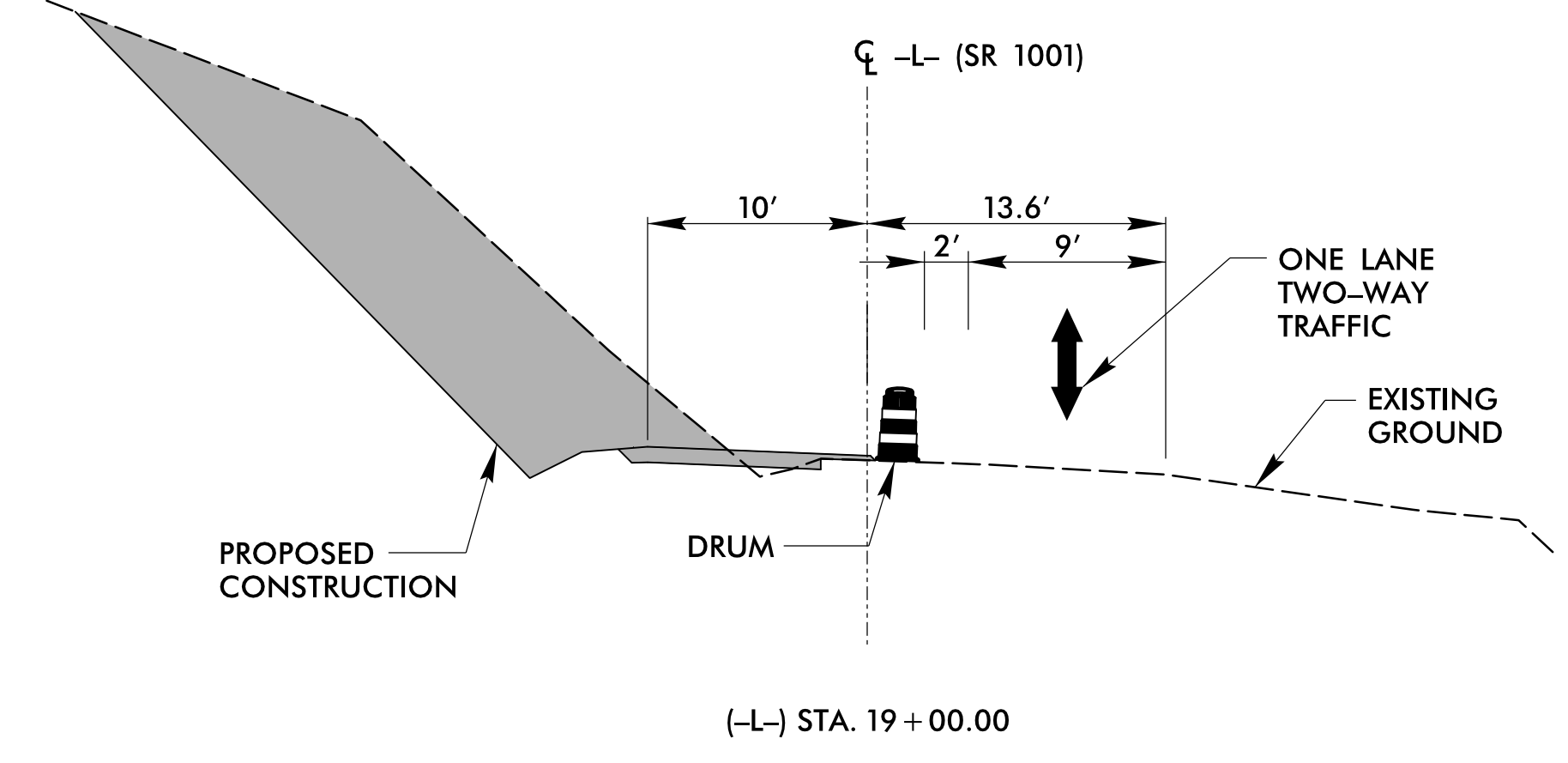
SCALE 1" = 30'

SECTION A-A

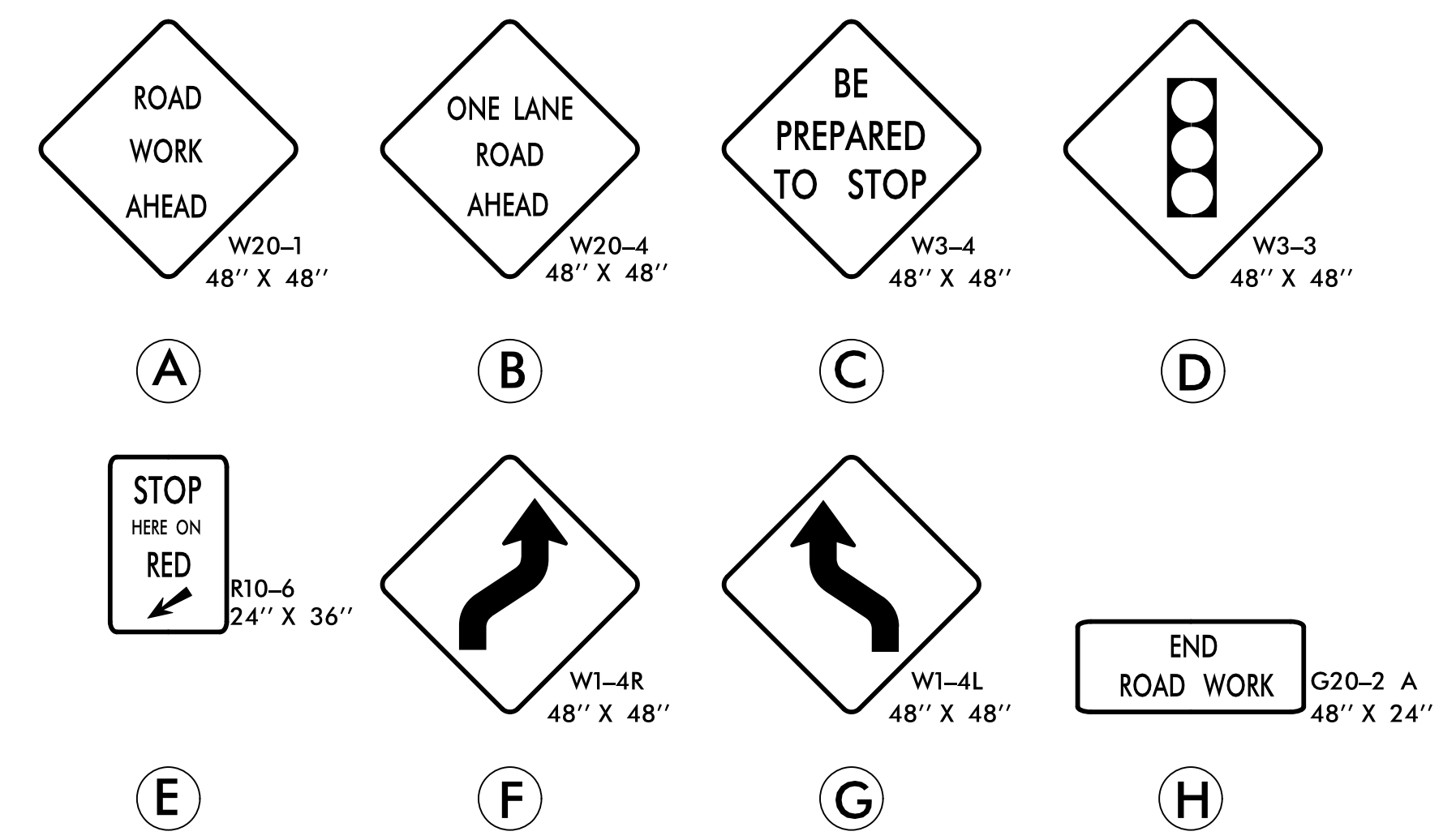


N.T.S

SECTION B-B



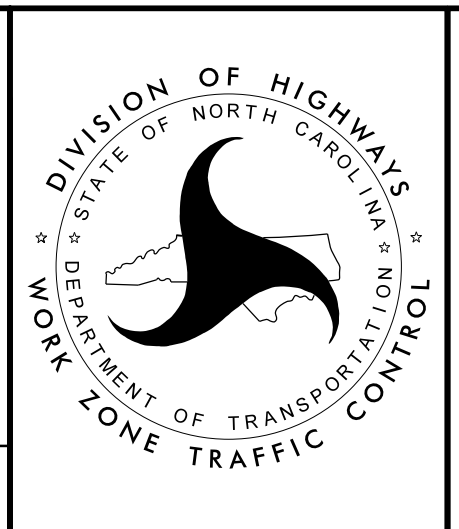
N.T.S



APPROVED: *[Signature]*
DATE: 11/16/2023

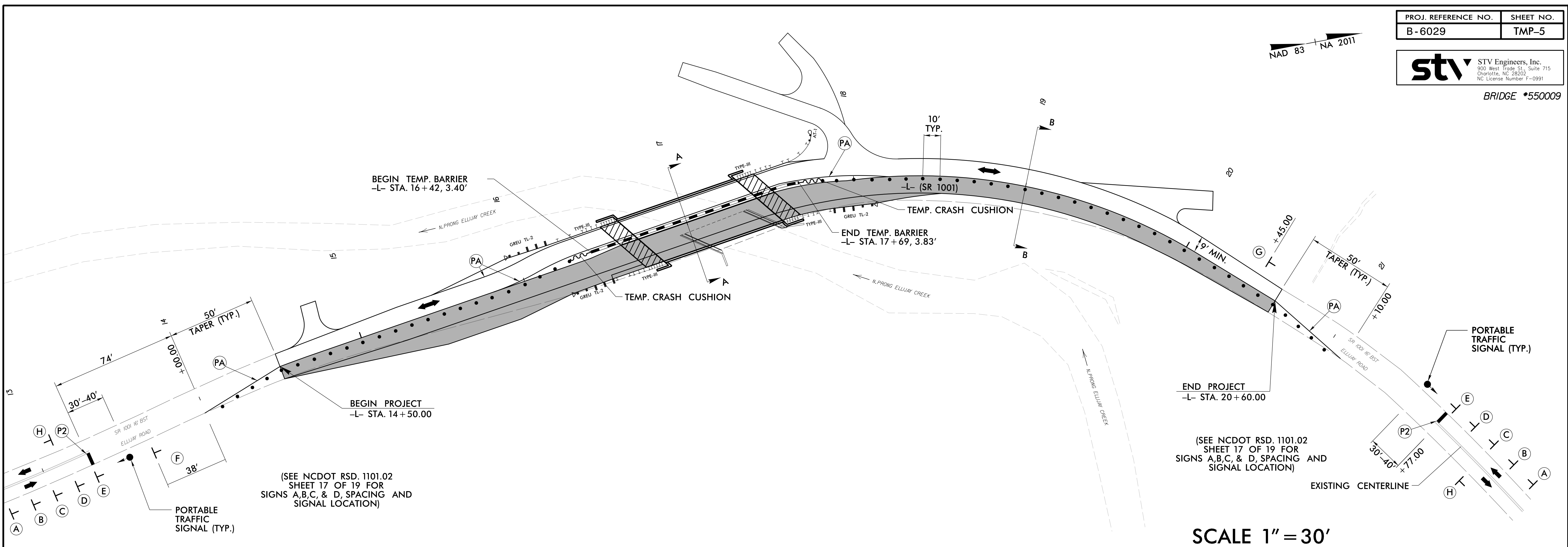
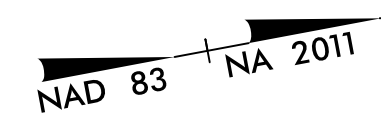
SEAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

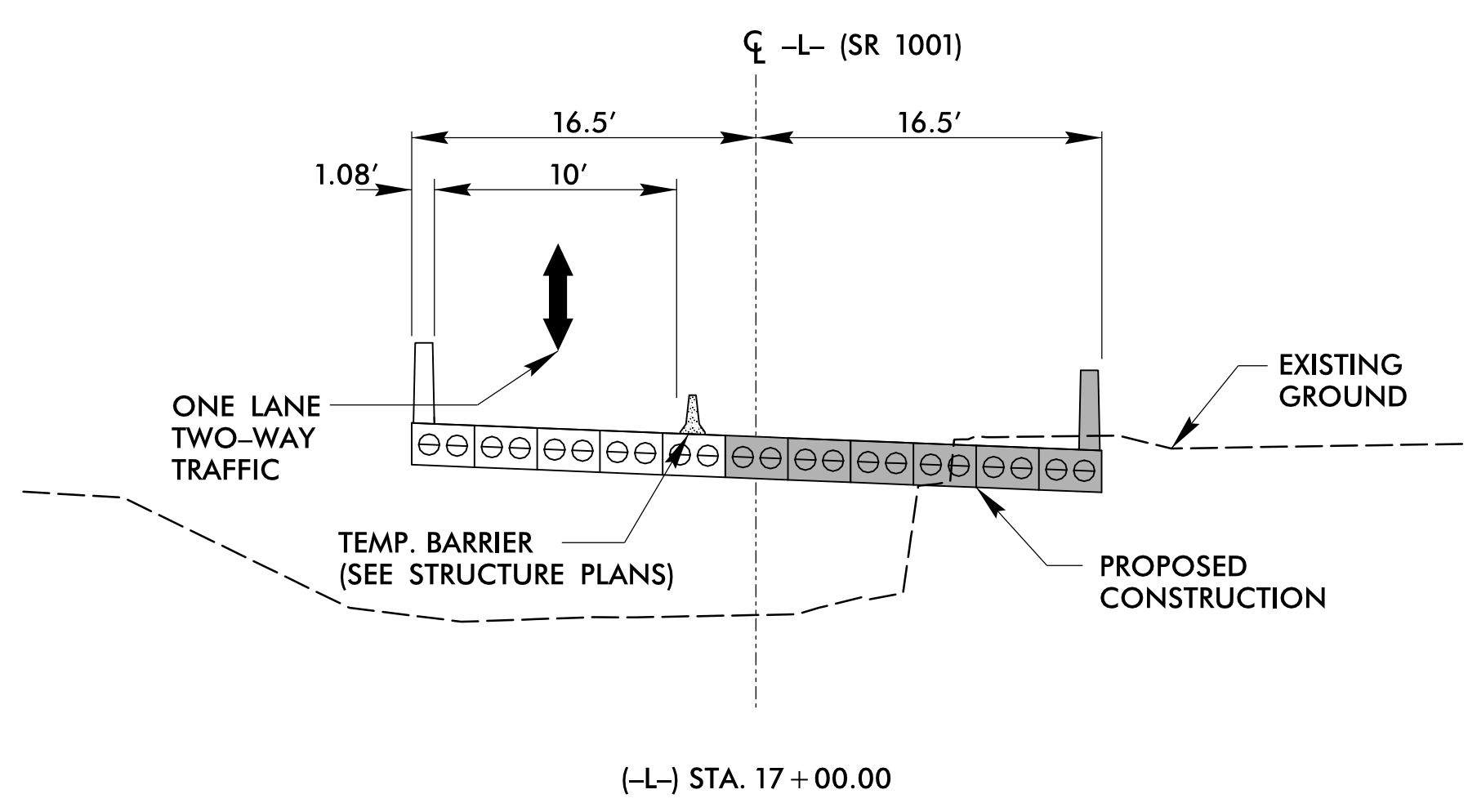


PHASE I DETAILS

11/14/2023
R:\TrafficControl\TCP\TCP_Sheets\7BP\4.R.158_TCP_SHT_4.dgn
S:\dgs\SL

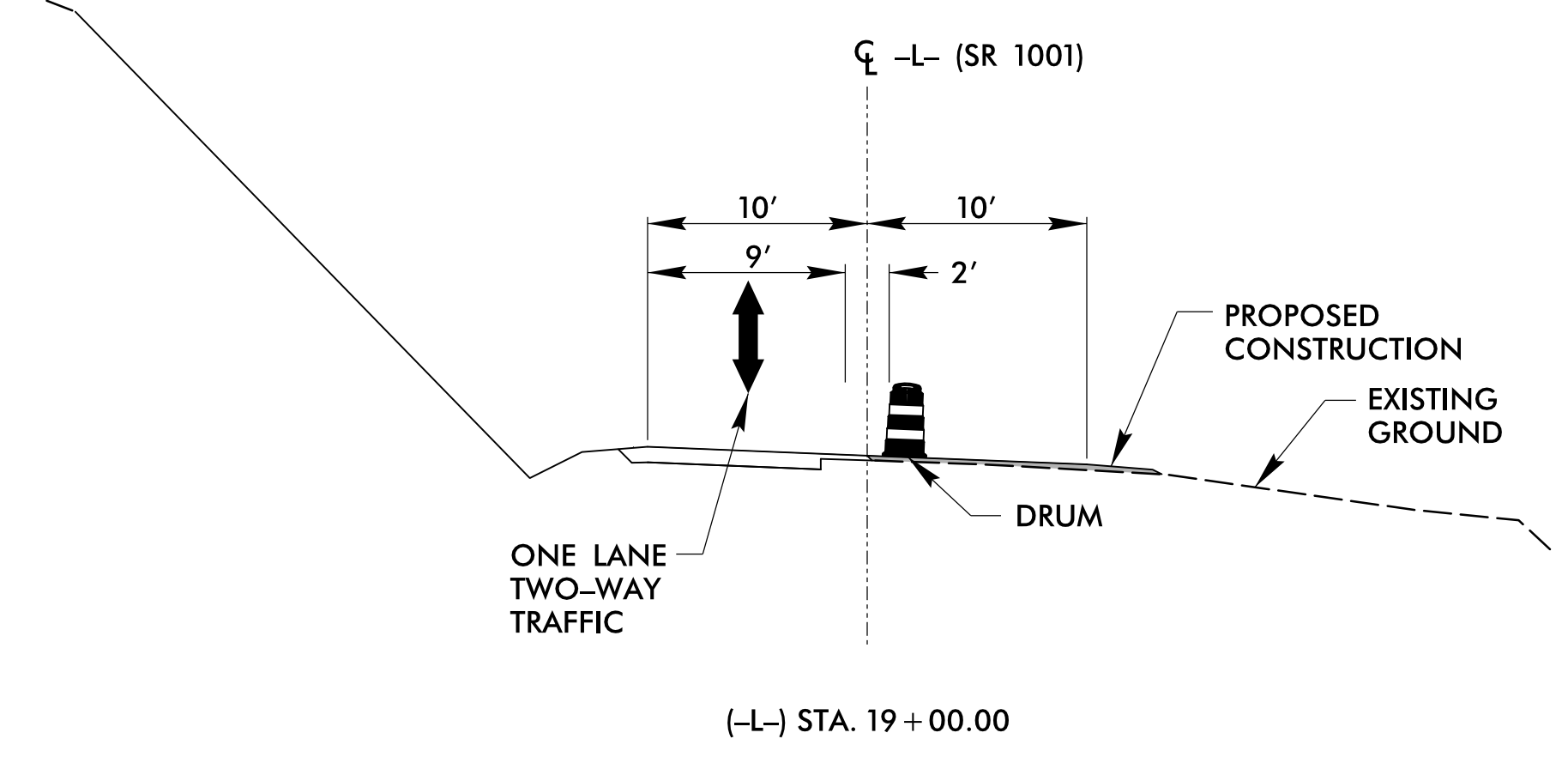


SECTION A-A

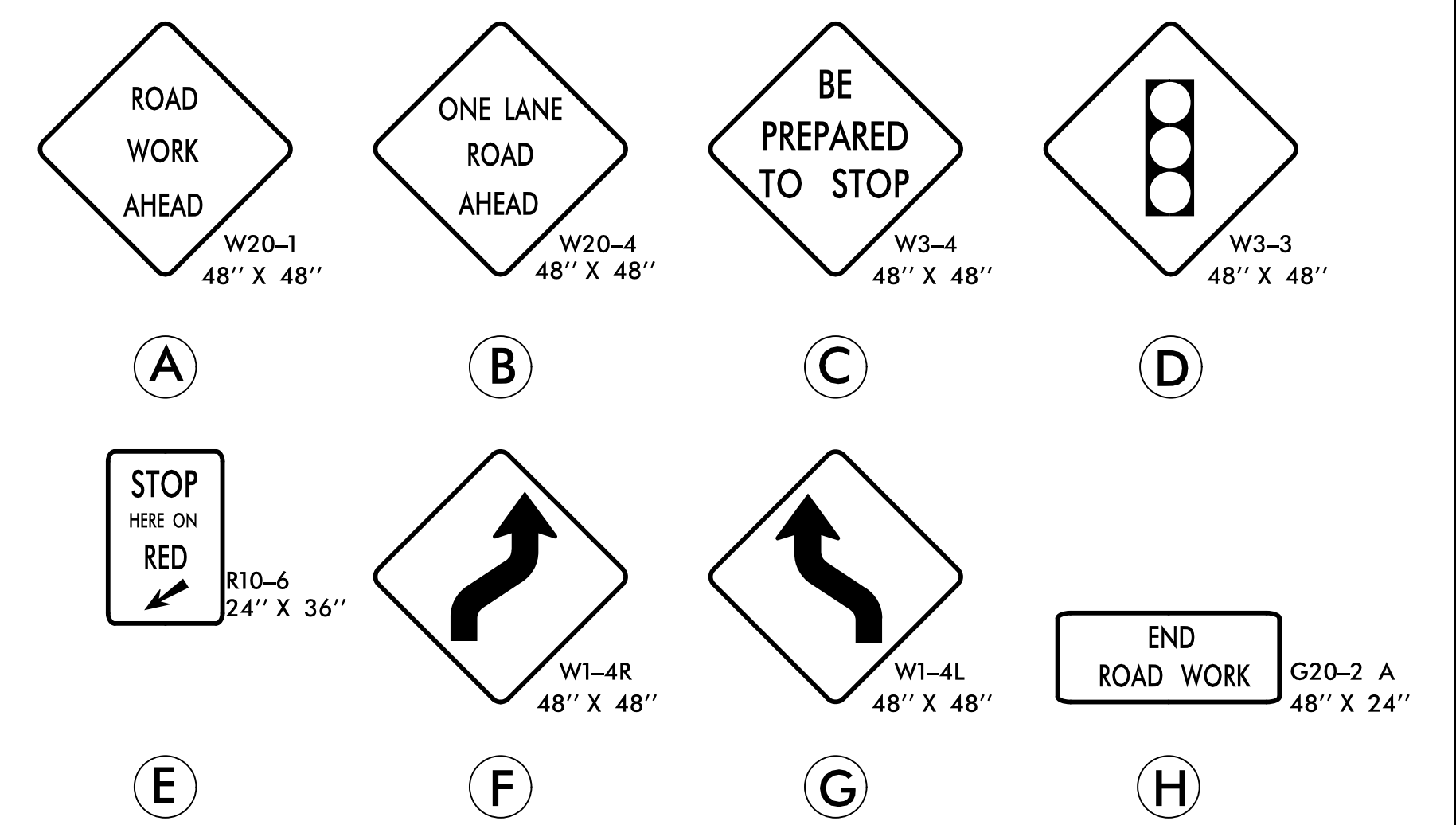


N.T.S

SECTION B-B



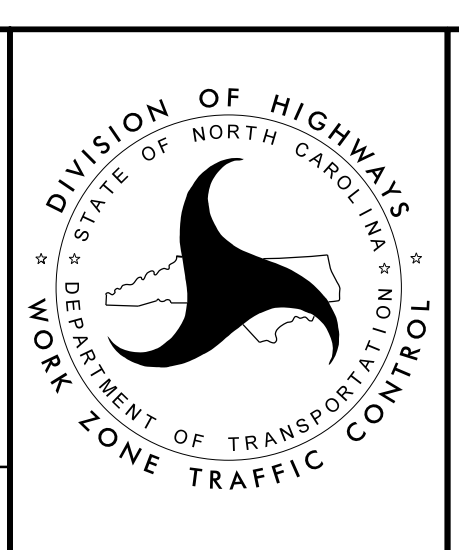
N.T.S



APPROVED: *[Signature]*
DATE: 11/16/2023

SEAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



PHASE II DETAILS

11/14/2023
R:\TrafficControl\TCP\TCP_Sheets\7BP\4.R.158_TCP_SHT_5.dgn
S:\dgs\SL

PROJ. REFERENCE NO.	SHEET NO.
B-6029	PMP-1



BRIDGE #550009

PAVEMENT MARKING PLAN

ROADWAY STANDARD DRAWING

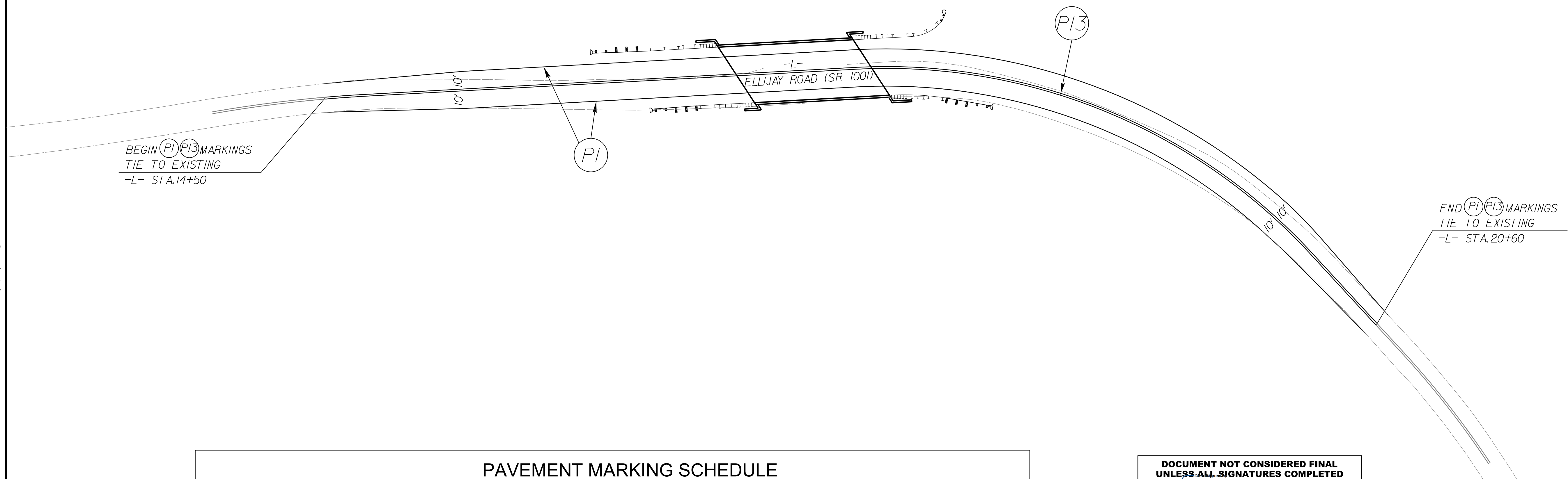
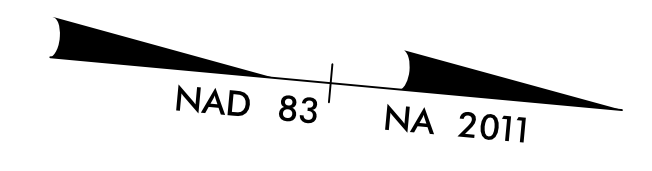
THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1261.01	GUARDRAIL & BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL & BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

- A. INSTALL PAVEMENT MARKINGS ON THE FINAL SURFACE.
- ROAD NAME: SR 1001 (ELLIJAY RD) MARKING: PAINT
- B. TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C. REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- C. TEMPORARY PAVEMENT MARKINGS ARE PLACED IN ONE(1) COAT OF PAINT, AND FINAL PAVEMENT MARKINGS ARE PLACED IN TWO(2) COATS OF PAINT.

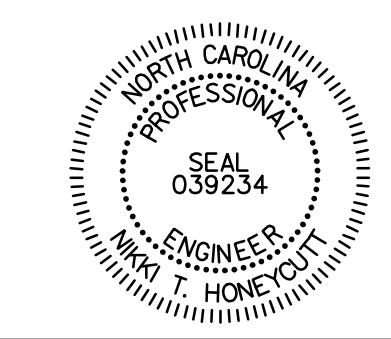


PAVEMENT MARKING SCHEDULE

MARKING	DESCRIPTION	LENGTH (LF)
P1 - PAINT (4" WHITE)	WHITE EDGELINE	1220 LF
P13 - PAINT (4" YELLOW)	DOUBLE YELLOW CENTER LINE	1220 LF

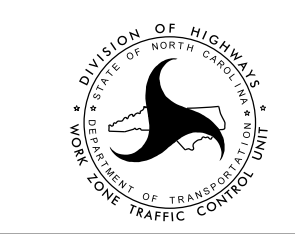
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

APPROVED: *[Signature]* DATE: 11/16/2023
ENGINEER



PAVEMENT MARKING DETAIL

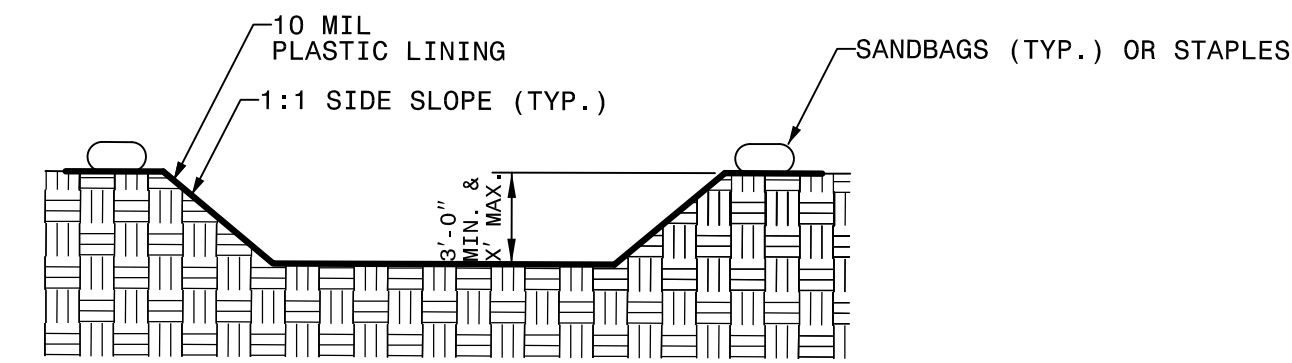
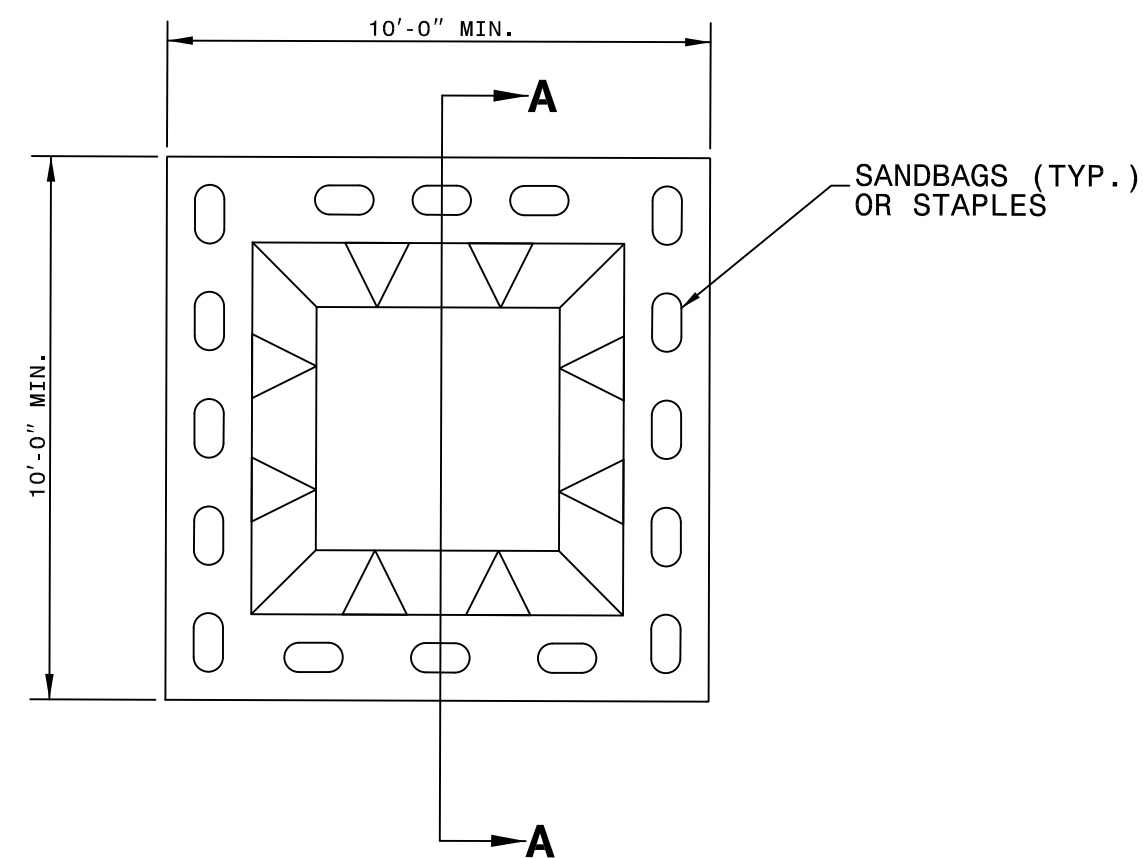
SCALE: 20
 DATE: 01/09/18
 DWG. BY: ERW
 DESIGN BY: ERW
 REVIEWED BY: MBE



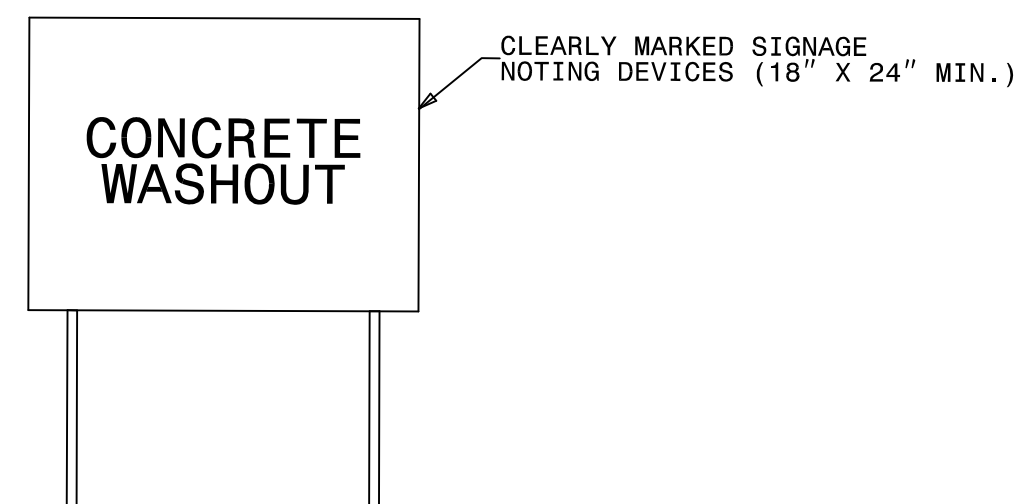
REVISIONS	

R:\T\traffic\TrafficControl\NMP\7\BP\4R\5B_rdy_bmp01.dgn 11/14/2023

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER DETAIL



SECTION A-A

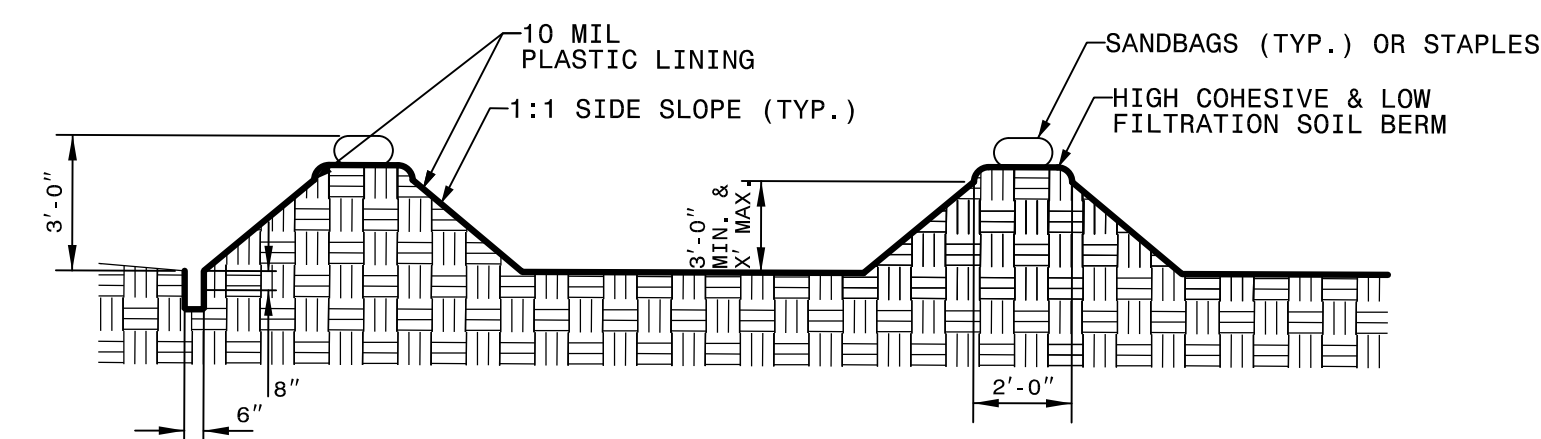
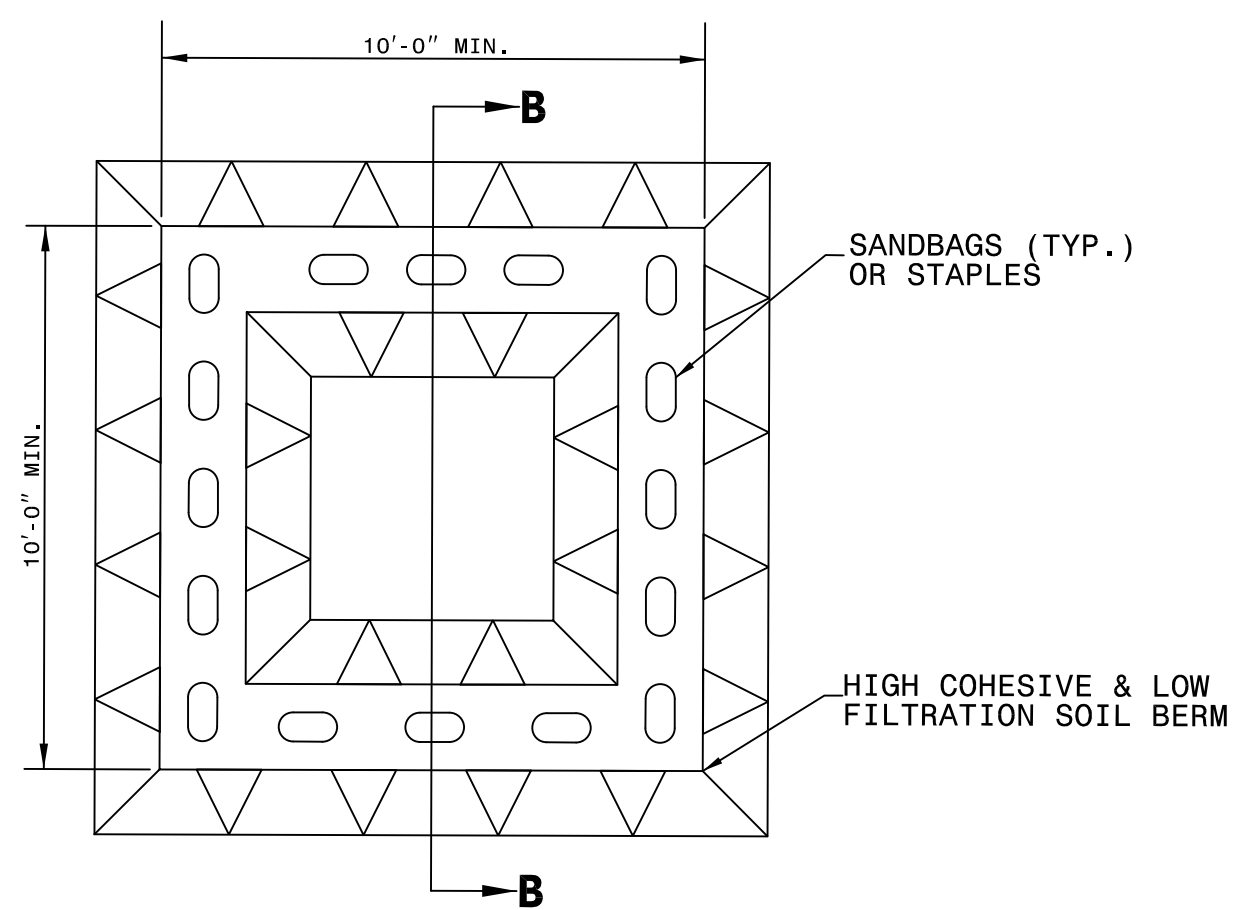


NOTES:

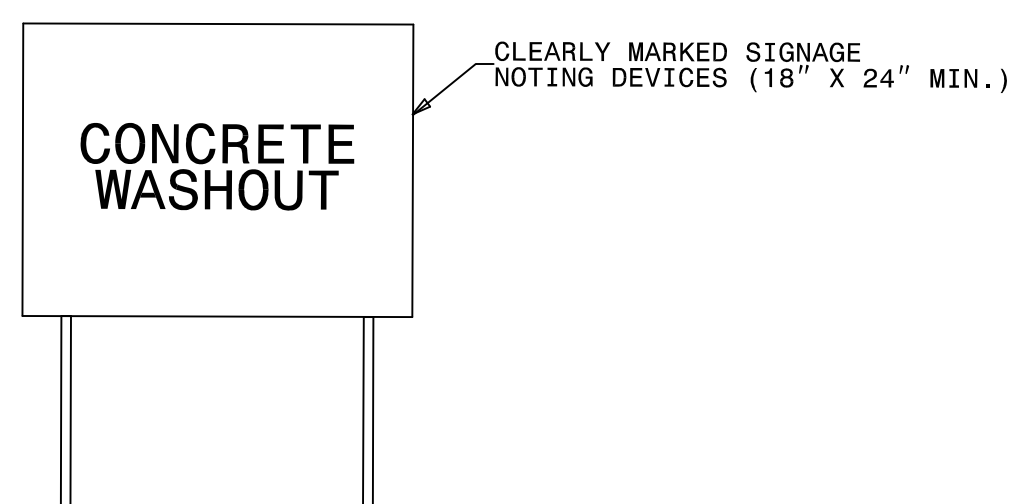
1. ACTUAL LOCATION DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.
3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

BELOW GRADE WASHOUT STRUCTURE



SECTION B-B



NOTES:

1. ACTUAL LOCATION DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

ABOVE GRADE WASHOUT STRUCTURE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. SHEET NO.
B-6029 EC-3A

stv STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

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.

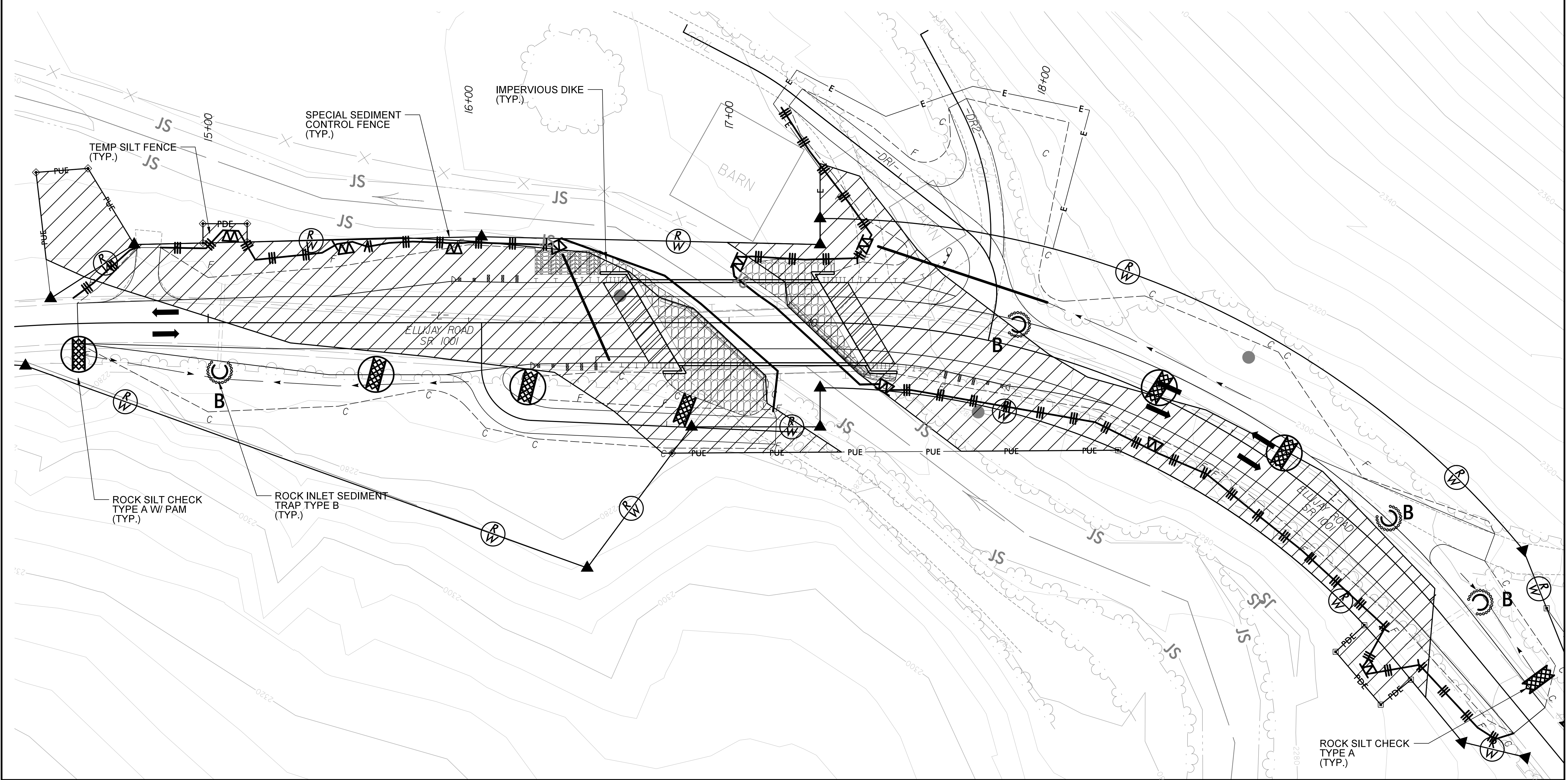
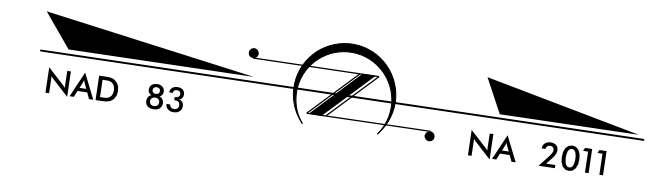
CLEARING & GRUBBING PHASE I

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

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

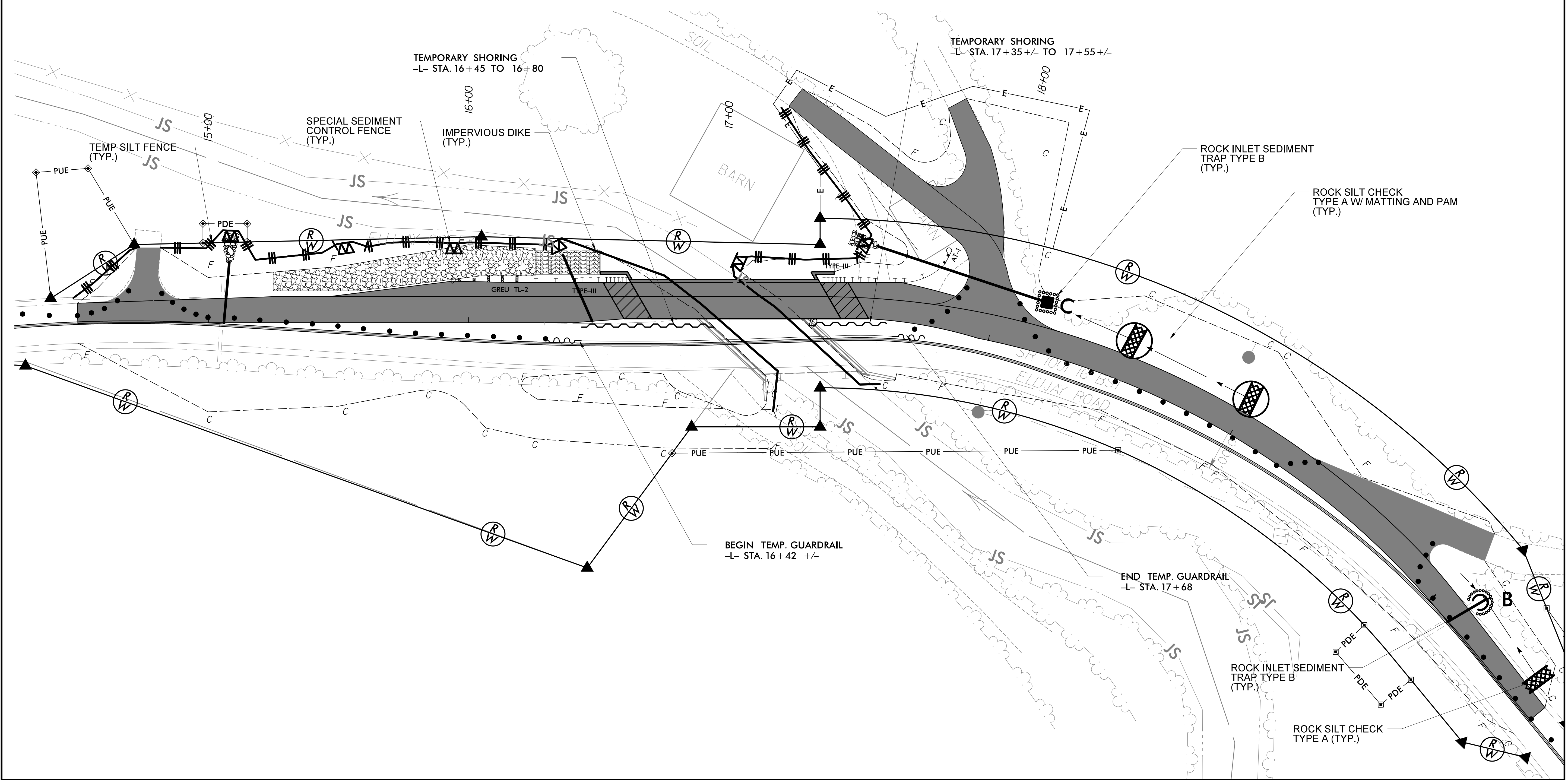
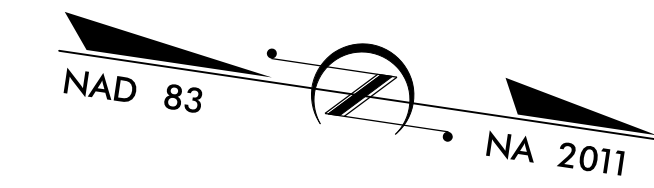
NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE
INSTALLED DURING CLEARING AND GRUBBING PHASE.

 ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS



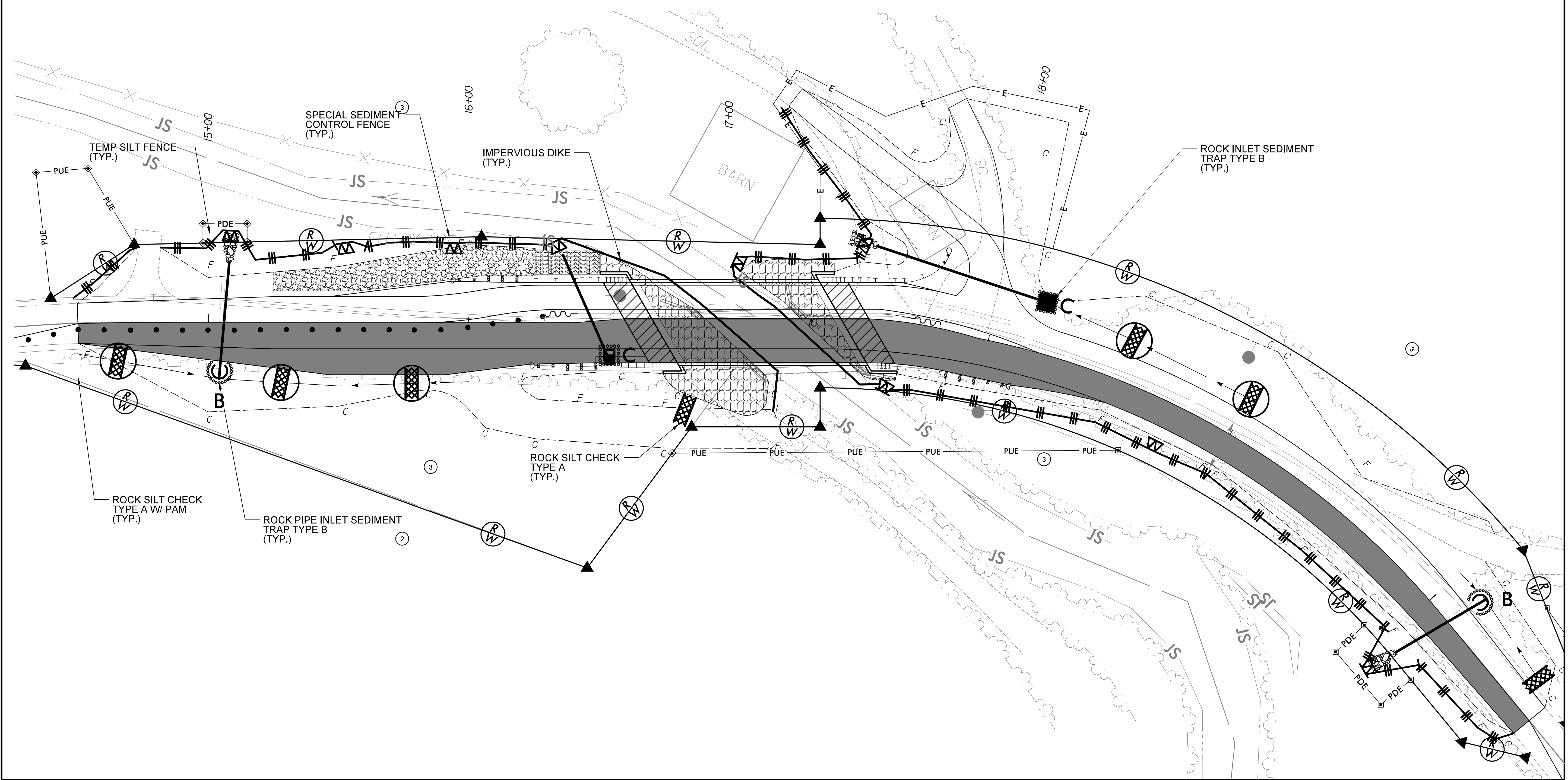
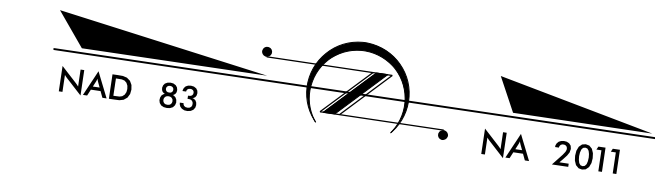
FINAL GRADING
PHASE I

PROJECT REFERENCE NO.	SHEET NO.
B-6029	EC-5/CONST.4
RW SHEET NO.	
stv STV Engineers, Inc. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991	



FINAL GRADING
PHASE II

PROJECT REFERENCE NO.	SHEET NO.
B-6029	EC-6/CONST.4
RW SHEET NO.	
stv STV Engineers, Inc. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991	





STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

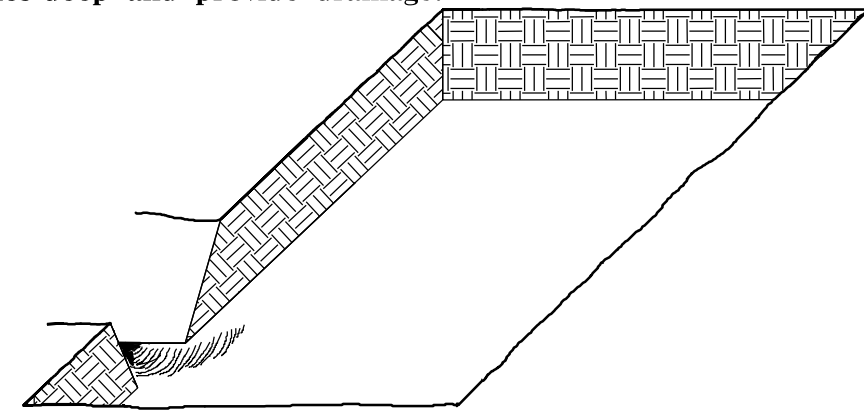
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-6029	RF-1	1
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

PLANTING DETAILS

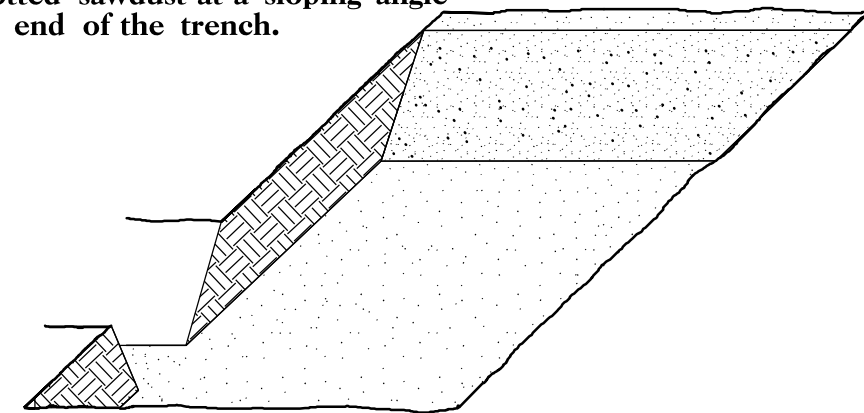
SEEDLING / LINER BAREROOT PLANTING DETAIL

HEALING IN

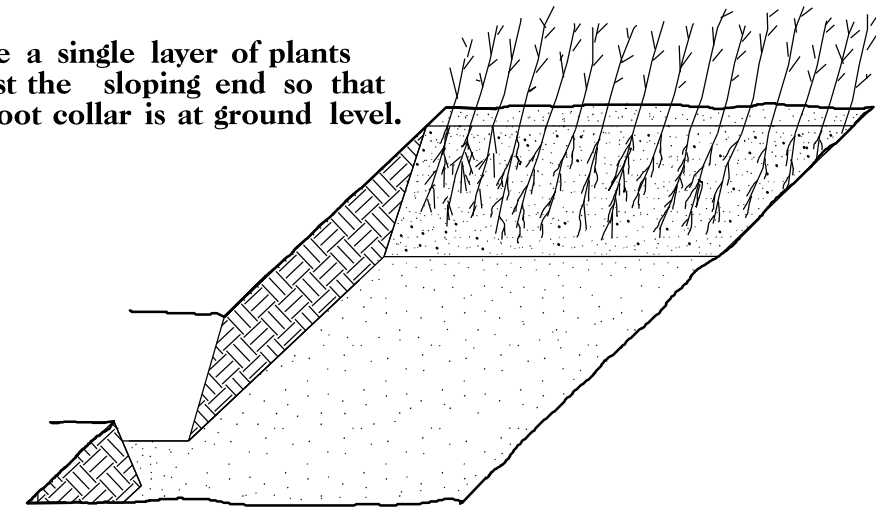
1. Locate a healing-in site in a shady, well protected area.
2. Excavate a flat bottom trench 12 inches deep and provide drainage.



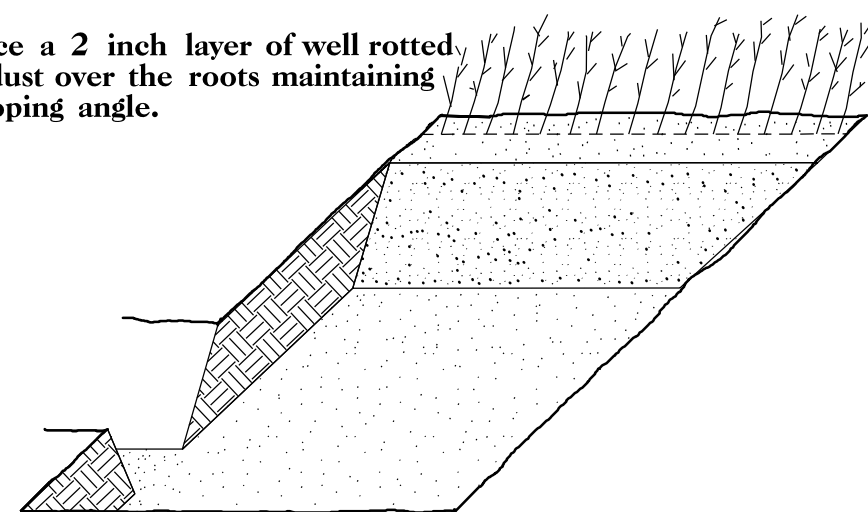
3. Backfill the trench with 2 inches well rotted sawdust. Place a 2 inch layer of well rotted sawdust at a sloping angle at one end of the trench.



4. Place a single layer of plants against the sloping end so that the root collar is at ground level.

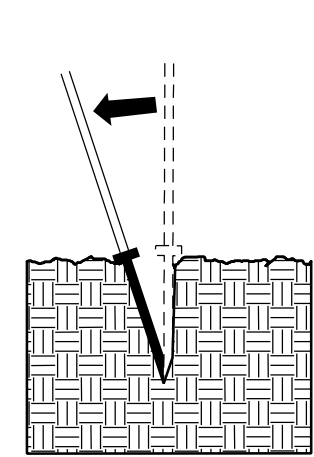


5. Place a 2 inch layer of well rotted sawdust over the roots maintaining a sloping angle.

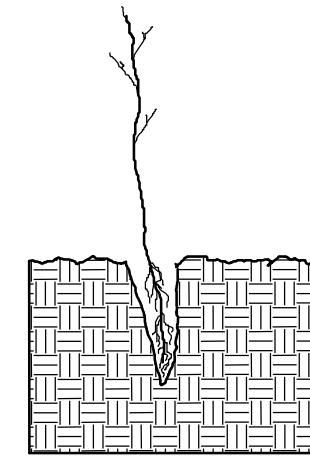


6. Repeat layers of plants and sawdust as necessary and water thoroughly.

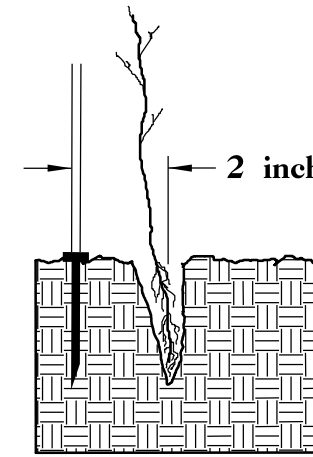
DIBBLE PLANTING METHOD USING THE KBC PLANTING BAR



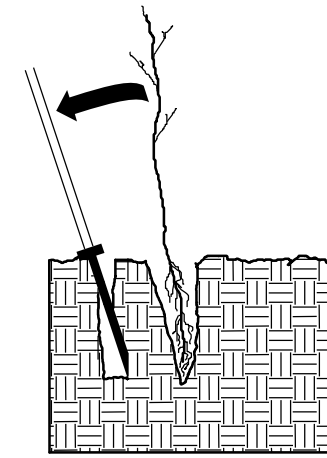
1. Insert planting bar as shown and pull handle toward planter.



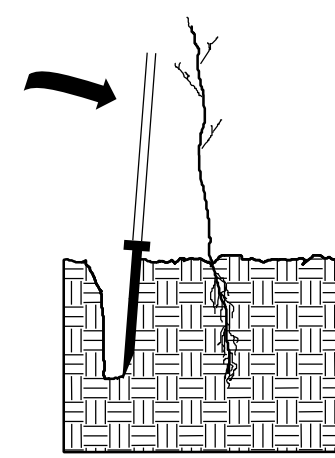
2. Remove planting bar and place seedling at correct depth.



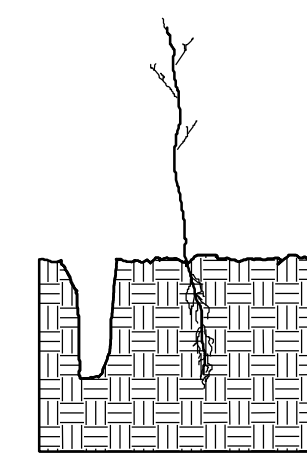
3. Insert planting bar 2 inches toward planter from seedling.



4. Pull handle of bar toward planter, firming soil at bottom.



5. Push handle forward firming soil at top.



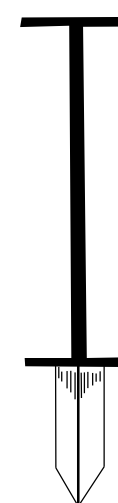
6. Leave compaction hole open. Water thoroughly.

PLANTING NOTES:

PLANTING BAG
During planting, seedlings shall be kept in a moist canvas bag or similar container to prevent the root systems from drying.



KBC PLANTING BAR
Planting bar shall have a blade with a triangular cross section, and shall be 12 inches long, 4 inches wide and 1 inch thick at center.



ROOT PRUNING
All seedlings shall be root pruned, if necessary, so that no roots extend more than 10 inches below the root collar.

REFORESTATION

- TREE REFORESTATION SHALL BE PLANTED 6 FT. TO 10 FT. ON CENTER, RANDOM SPACING, AVERAGING 8 FT. ON CENTER, APPROXIMATELY 680 PLANTS PER ACRE.

REFORESTATION

MIXTURE, TYPE, SIZE, AND FURNISH SHALL CONFORM TO THE FOLLOWING:

25 °	LIRIODENDRON TULIPIFERA	TULIP POPLAR	12 in - 18 in BR
25 °	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	12 in - 18 in BR
25 °	FRAXINUS PENNSYLVANICA	GREEN ASH	12 in - 18 in BR
25 °	BETULA NIGRA	RIVER BIRCH	12 in - 18 in BR

REFORESTATION DETAIL SHEET

N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT

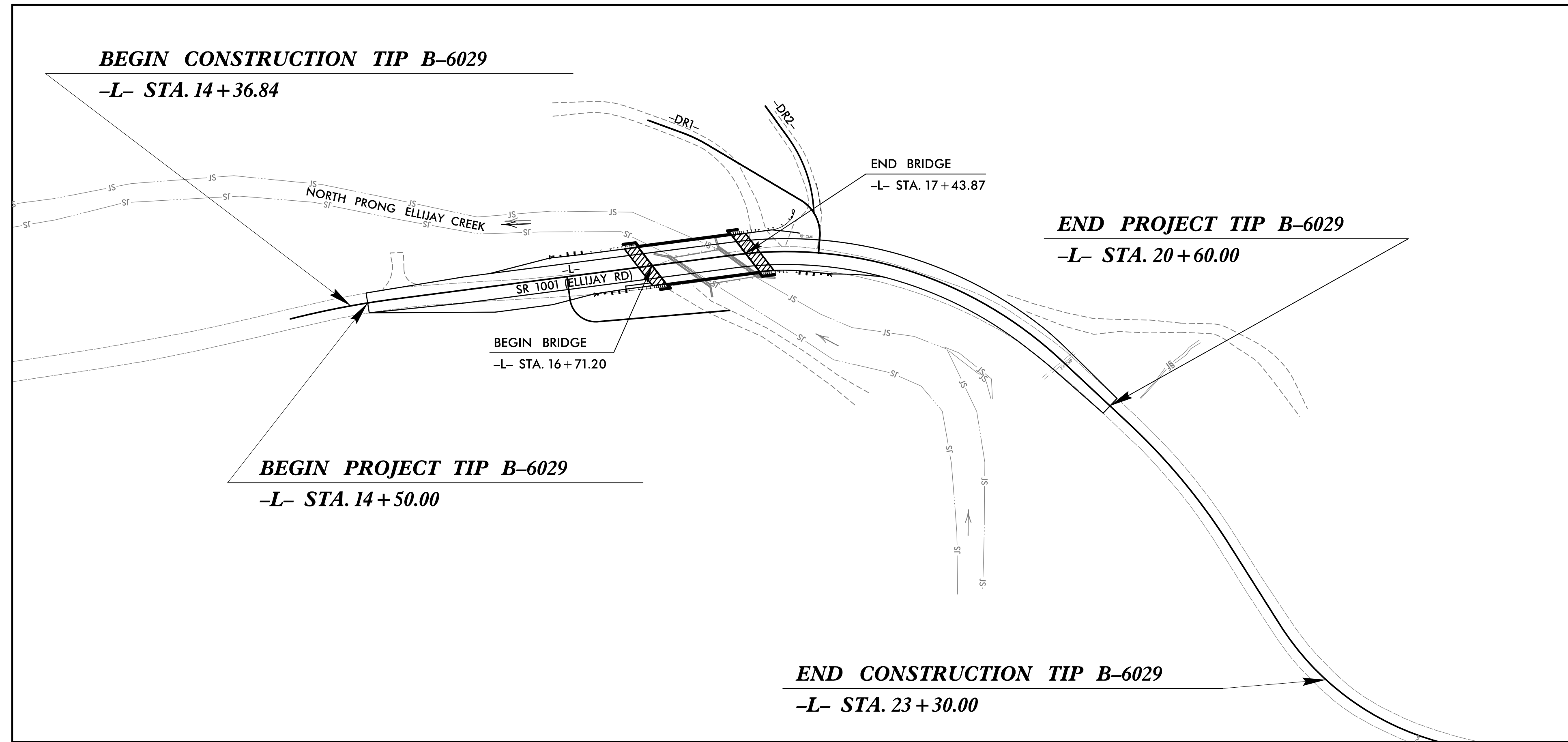
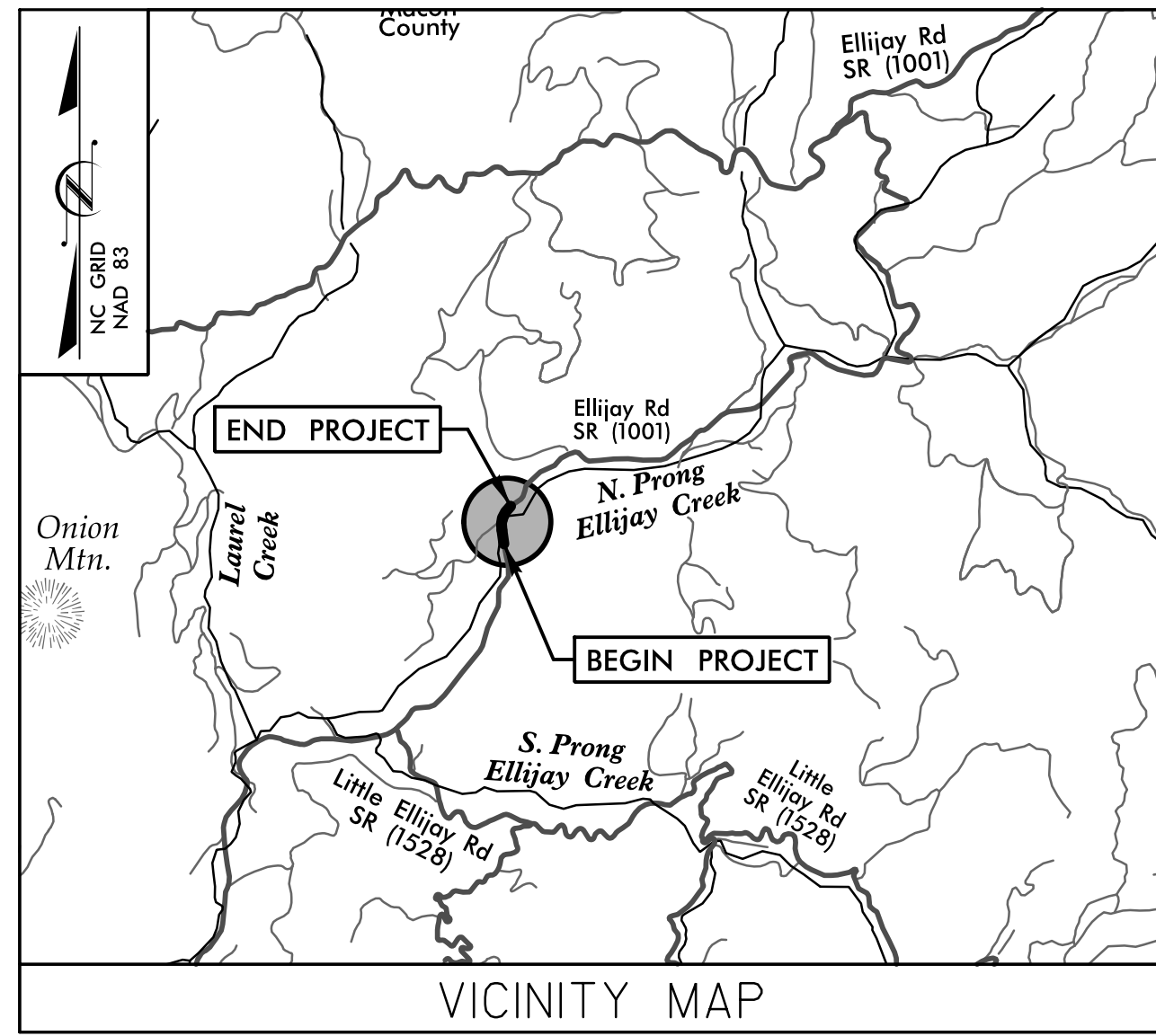
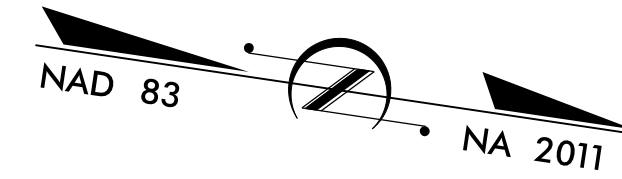
PROJECT REFERENCE NO.	SHEET NO.
B-6029	UO-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITIES BY OTHERS PLANS
MACON COUNTY**

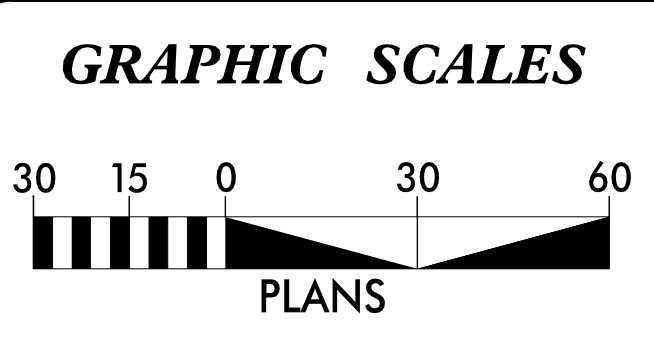
LOCATION: BRIDGE NO. 550009 OVER N PRONG ELLIJAY CREEK
ON SR 1001 (ELLIJAY ROAD)

TYPE OF WORK: AERIAL POWER & TELEPHONE
BURIED TELEPHONE



PROJECT TIP: B-6029

CONTRACT: DN00477



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2	UTILITIES BY OTHERS PLAN SHEET

- UTILITY OWNERS ON PROJECT
- (1) POWER - DUKE ENERGY
 - (2) TELEPHONE - FRONTIER

PLANS PREPARED BY:

V&M
Vaughn & Melton
Consulting Engineers
1318-F Patton Ave.
Asheville, NC 28806
828-253-2796
NC License Number F-1088

PREPARED FOR THE OFFICE OF:
DIVISION OF HIGHWAYS
UTILITIES ENGINEERING SECTION

1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 250-4128
FAX (919) 250-4119

Robert Golding DIVISION UTILITY COORDINATOR
Lynn Mann, P.G. UTILITIES PROJECT COORDINATOR

1/09/17
ADDED TELE PLANS 2/10/17
REVISED PUE & ROW 2/24/17

TRANSPORTATION\31614-01\MACON_9\UTILITIES\U0-2.DGN

PROJECT TIP: B-6029

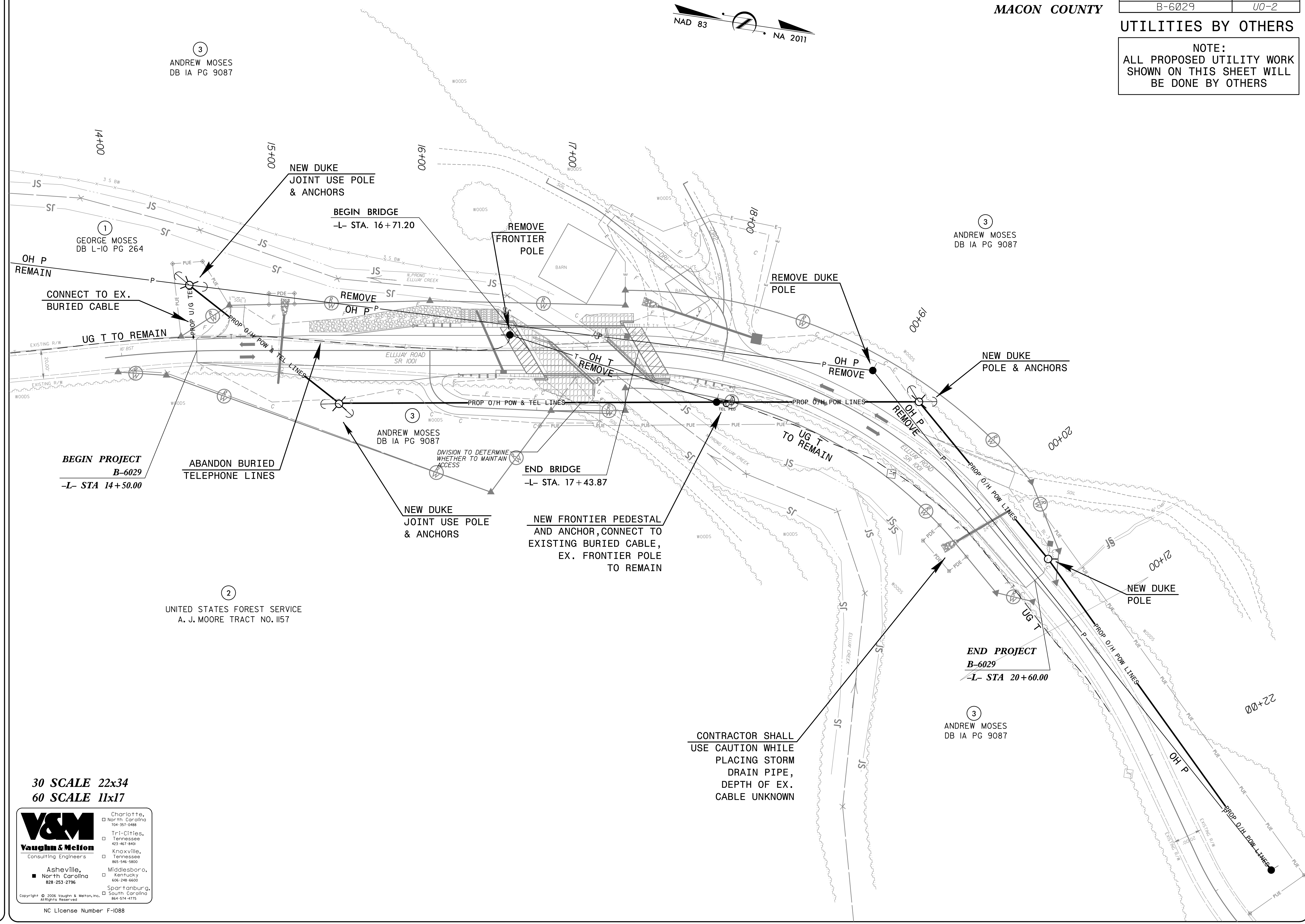
CONTRACT: DN00477

STRUCTURE 550009
MACON COUNTY

PROJECT REFERENCE NO.	SHEET NO.
B-6029	U0-2

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS



BEGIN PROJECT
B-6029
-L- STA 14+50.00

BEGIN BRIDGE
-L- STA. 16+71.20

END BRIDGE
-L- STA. 17+43.87

END PROJECT
B-6029
-L- STA 20+60.00

CONTRACTOR SHALL
USE CAUTION WHILE
PLACING STORM
DRAIN PIPE,
DEPTH OF EX.
CABLE UNKNOWN

30 SCALE 22x34
60 SCALE 11x17

V&M
Vaughn & Melton
Consulting Engineers

Charlotte, North Carolina 704-357-0488
Tri-Cities, Tennessee 423-467-8401
Knoxville, Tennessee 865-546-5800
Asheville, North Carolina 828-253-2796
Middlesboro, Kentucky 606-248-6600
Spartanburg, South Carolina 864-574-4775

Copyright © 2006 Vaughn & Melton, Inc. All Rights Reserved.
NC License Number F-1088