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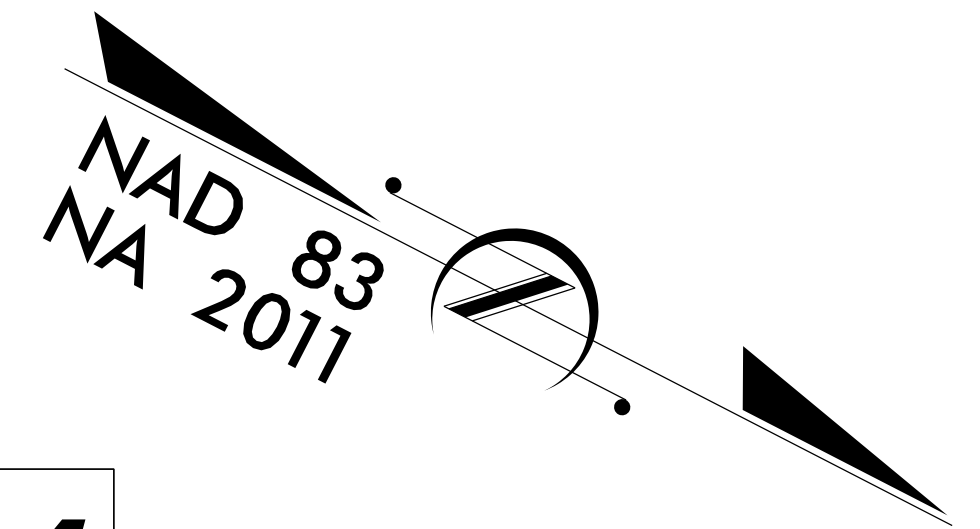
09/08/99

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-6034	RW01	05

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 SURVEY CONTROL, EXISTING CENTERLINES,
 RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

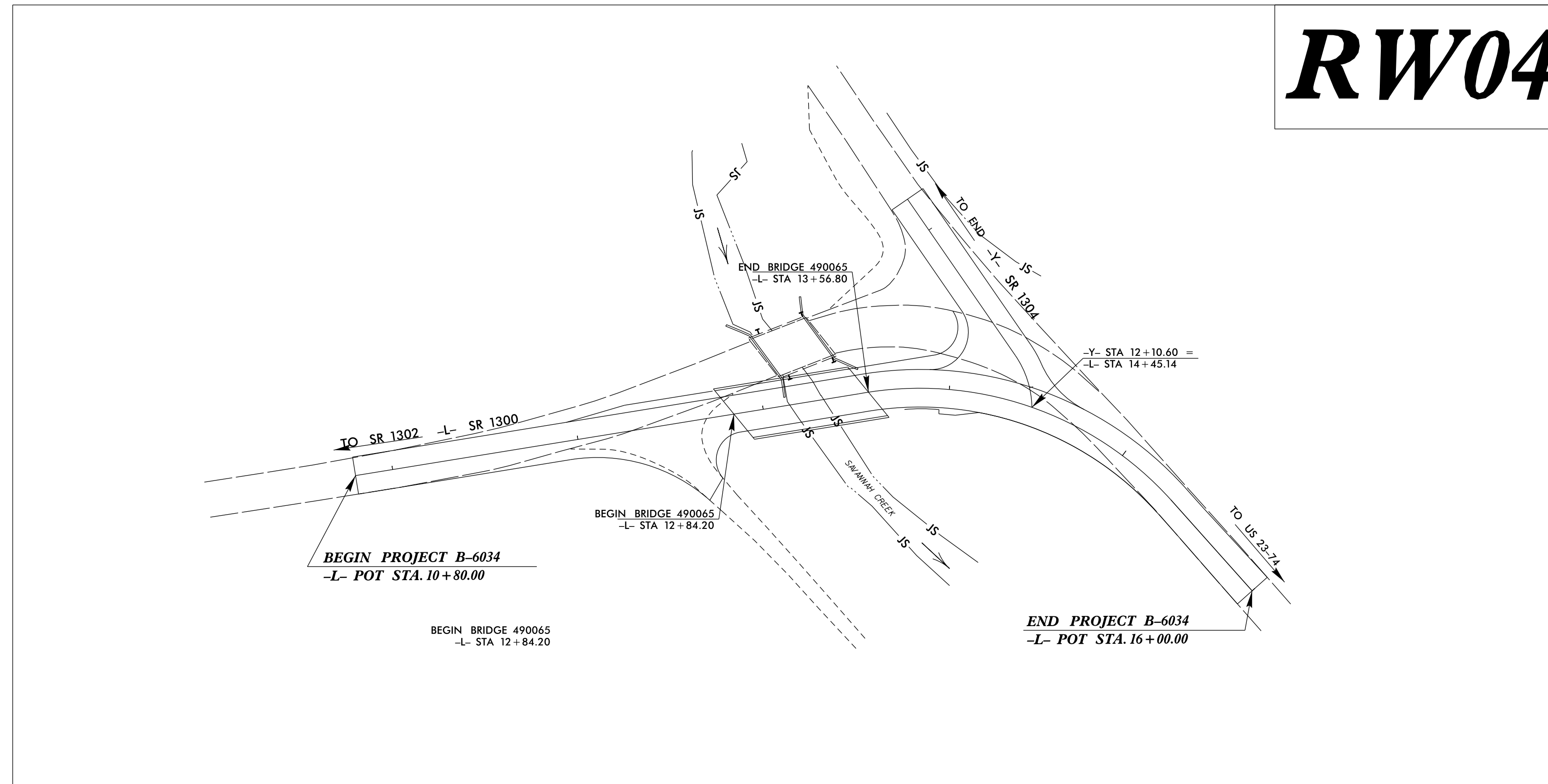
JACKSON COUNTY

LOCATION: BRIDGE NO. 490065 OVER SAVANNAH CREEK
 ON SR 1300 (PUMPKINTOWN RD)
 TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE

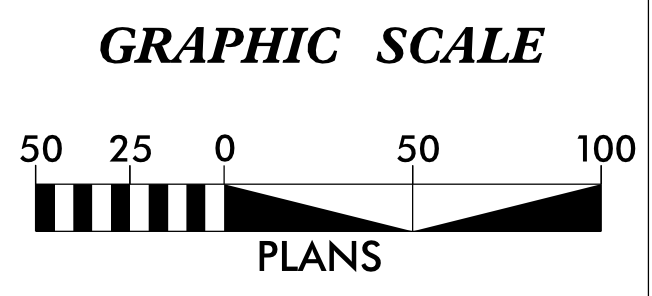


TIP PROJECT: B-6034

RW04



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "GPS101" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 582,473.890(ft) EASTING: 720,150.827(ft) ELEVATION: 2,448.71(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99975981 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS101" TO -L- STATION 10+80.00 IS S 18°16'14.33" E 496.31(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

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
 AUGUST 5, 2024

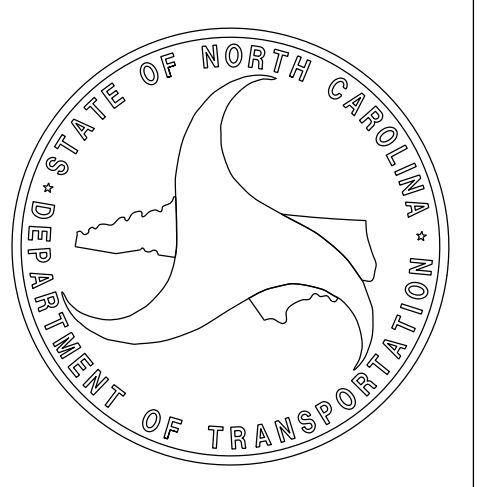
LETTING DATE:
 FEBRUARY 10, 2026

PROFESSIONAL LAND
 SURVEYOR



DocuSigned by:
 Brian Barnatt
 SIGNATURE:


12/03/2025
 Date:



03-DEC-2025 14:12
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SURVEY CONTROL SHEET

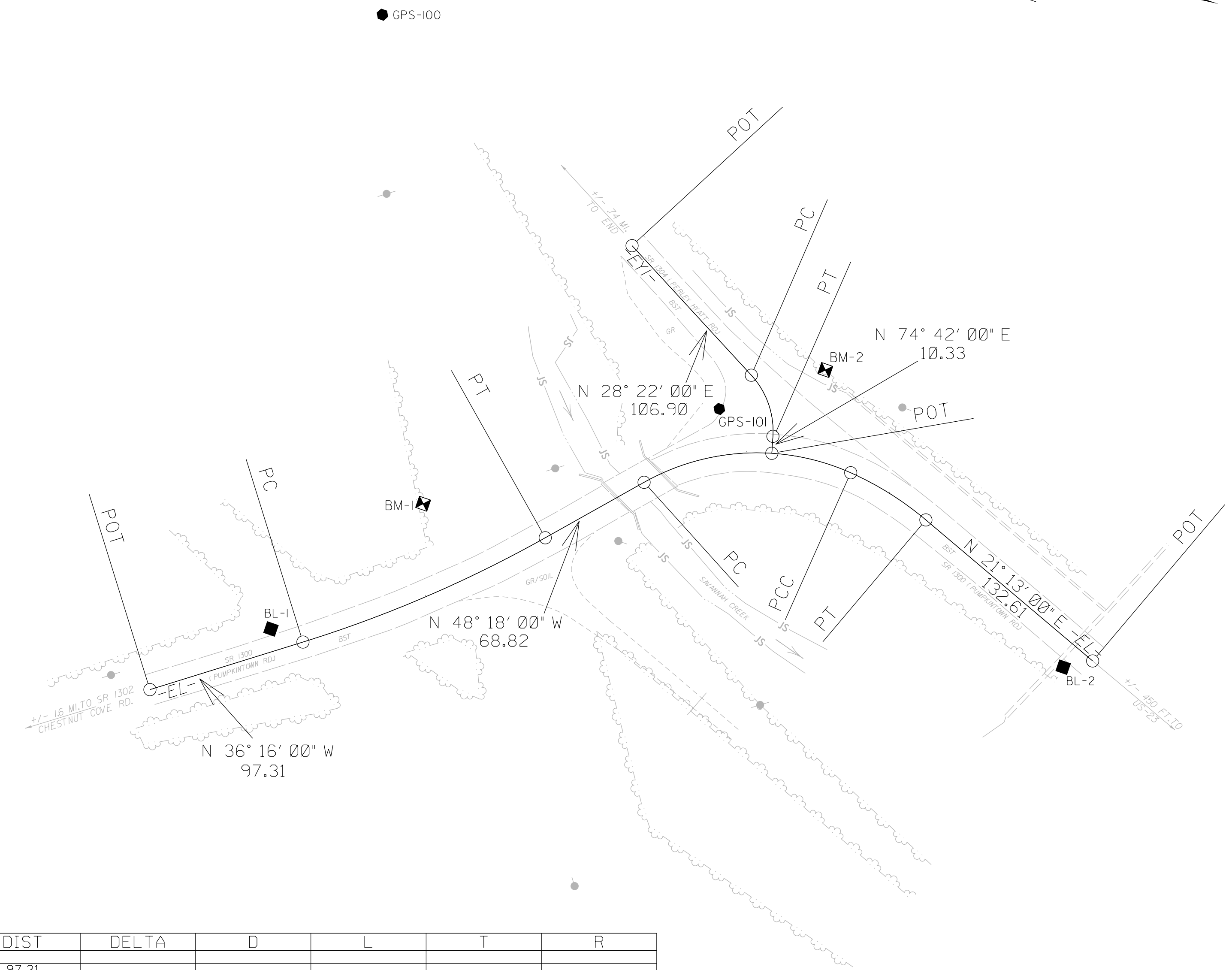
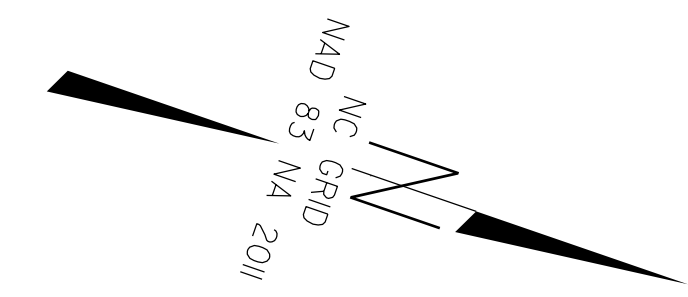
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
B-6034	RW02C-1
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1	BL-1	BL-1	582259.9319	720365.7438	2460.21
G101	GPS-101	GPS-101	582473.8900	720150.8270	2448.71
2	BL-2	BL-2	582722.2831	720231.0783	2450.72

.....
 BM1 ELEVATION = 2467.10
 N 582323 E 720264
 10" SPIKE IN BASE OF 18" POPLAR

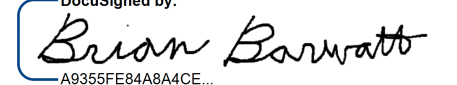
 BM2 ELEVATION = 2452.98
 N 582527 E 720108
 10" SPIKE IN BASE OF 18" PINE



I, Brian Barwatt, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
 Type of GPS field procedure: VRS
 Dates of survey: June 2016
 Datum/Epoch: NAD 83/NA 2011
 Published/Fixed-control use: N/A
 Localized around: GPS 101
 Northing: 582473.890
 Easting: 720150.827
 Combined grid factor: 0.99975981
 Geoid model: 12
 Units: U.S. Survey Feet

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed June 2016, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 3rd day of December, 2025.
 DocuSigned by:

 Professional Land Surveyor L-4727

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	582202.455	720424.503							
LINE			N 36°16'00.0" W	97.31					
PC	582280.913	720366.940							
CURVE			N 42°17'00.0" W	160.15	12°02'00.0"(LT)	07°30'00.0"	160.44	80.52	763.94
PT	582399.396	720259.191							
LINE			N 48°18'00.0" W	68.82					
PC	582445.180	720207.806							
CURVE			N 21°39'02.6" W	125.59	53°17'54.9"(RT)	40°55'32.0"	130.23	70.26	140.00
PCC	582561.907	720161.470							
CURVE			N 13°06'27.4" E	53.88	16°13'05.1"(RT)	29°59'52.0"	54.06	27.21	191.00
PT	582614.387	720173.690							
LINE			N 21°13'00.0" E	132.61					
POT	582738.010	720221.682							

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	582391.508	720074.345							
LINE			N 28°22'00.0" E	106.90					
PC	582485.576	720125.136							
CURVE			N 51°32'00.0" E	39.34	46°20'00.0"(RT)	114°35'29.6"	40.43	21.40	50.00
PT	582510.048	720155.939							
LINE			N 74°42'00.0" E	10.33					
POT	582512.773	720165.898							

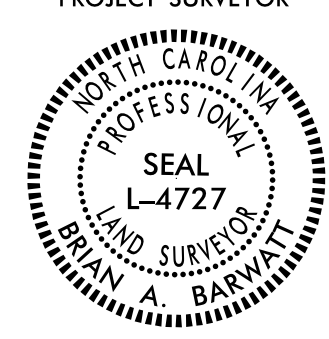
NOTES:

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.

REVISIONS

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 03-DEC-2025 10:33
 Brian Barwatt

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. B-6034	SHEET NO. RW02D-1
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Brian Barwatt, PLS, 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.

This 3rd day of December, 2025.

DocuSigned by:
Brian Barwatt
Professional Land Surveyor L-4727

REVISIONS

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	582202.4548	720424.5031
PC	13+51.63	582485.9646	720216.4982
PT	15+35.03	582659.7110	720191.2852
POT	16+19.02	582738.0104	720221.6817

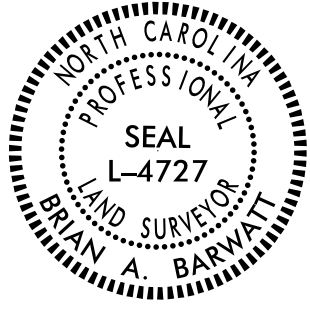
Y

TYPE	STATION	NORTH	EAST
POT	10+00.00	582391.5084	720074.3448
PC	11+81.15	582550.9084	720160.4123
PT	12+10.60	582571.3461	720181.0216


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 INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. B-6034	SHEET NO. RW03E-1
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Brian Barwatt, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on May 13th, 2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 3rd day of December, 2025.
 Signed by: 
 Professional Land Surveyor L-4727

ROW MARKER IRON PIN AND CAP - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	10+97.31	30.00	582298.6597	720391.1279
L	12+08.00	30.00	582387.9058	720325.6500
L	12+45.00	45.00	582426.6111	720315.8570
L	13+04.87	45.00	582474.8841	720280.4402

IRON PIN WITH NO CAP SET

REVISIONS

03 DEC 2025 10:57
 C:\Users\barwatt\OneDrive\Documents\Projects\B-6034\1s_rw03e-1.dgn
 barwatt

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED ON MAY 13TH, 2025.

Location and Surveys

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

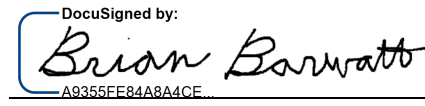
PROJECT SURVEYOR



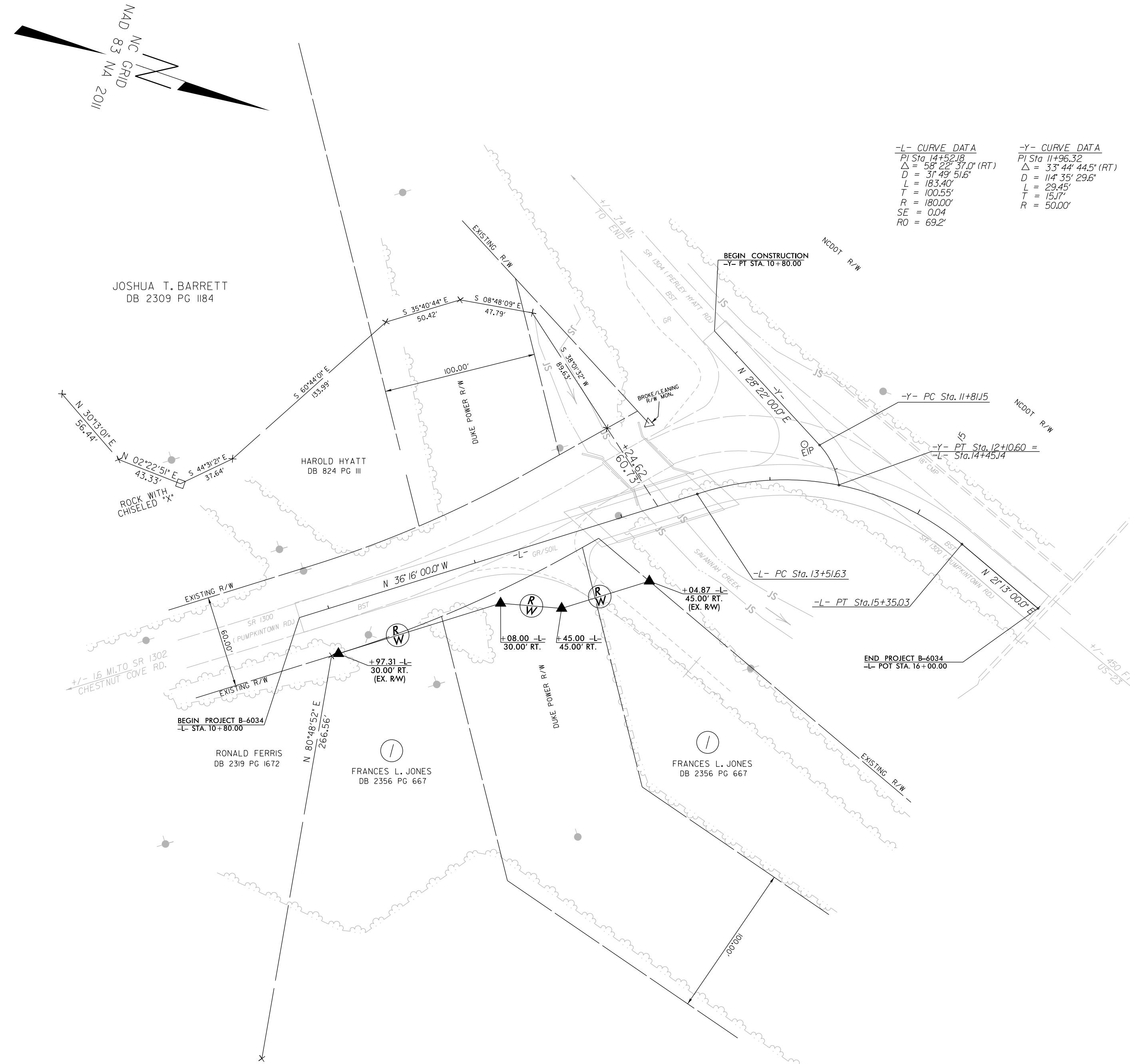
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Brian Barwatt, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on May 13th, 2025, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 3rd day of December, 2025.


 Brian Barwatt
 Professional Land Surveyor L-4727

Professional Land Surveyor L-4727



-L- CURVE DATA	-Y- CURVE DATA
PI Sta. 14+52.18	PI Sta. 11+96.32
Δ = 58°22'51.0\" (RT)	Δ = 33°44'44.5\" (RT)
D = 31'49'51.6\"	D = 114'35'29.6\"
L = 183.40'	L = 29.45'
T = 100.55'	T = 15.07'
R = 180.00'	R = 50.00'
SE = 0.04	
RO = 69.2'	

REVISIONS

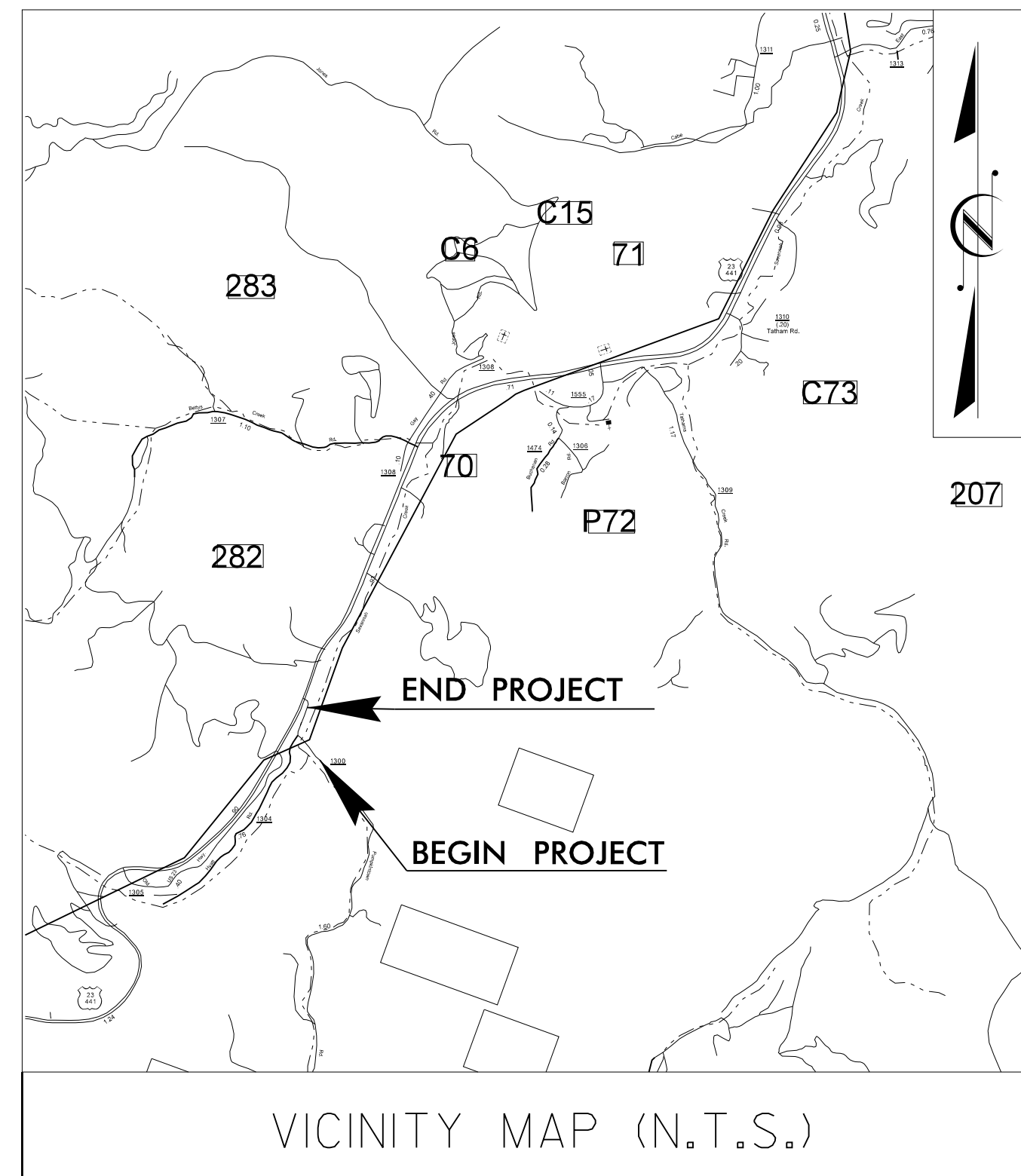
NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED ON MAY 13TH, 2025.

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

JACKSON COUNTY
DIVISION 14



**LOCATION: BRIDGE NO. 490065 OVER SAVANNAH CREEK
ON SR 1300 (PUMPKINTOWN RD)**

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

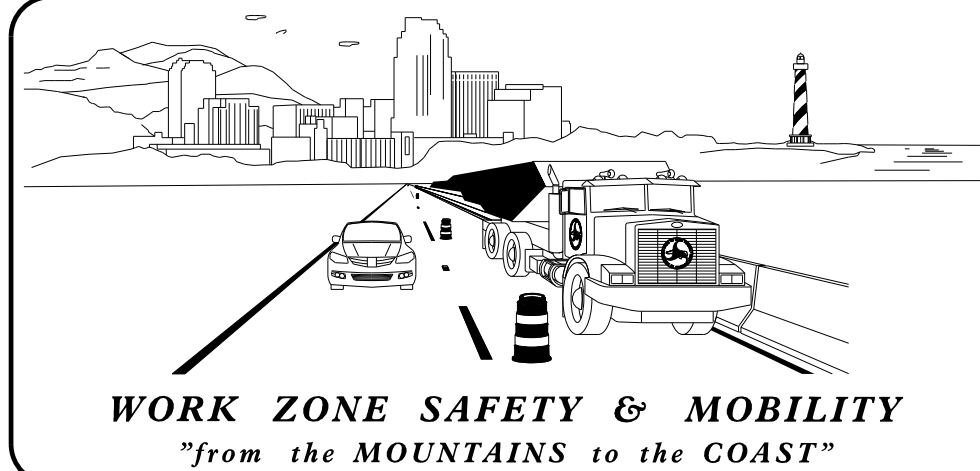
INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)
TMP-1C	TEMPORARY SHORING NOTES
TMP-2	TEMPORARY TRAFFIC CONTROL PHASING
TMP-3	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
TMP-4	TEMPORARY TRAFFIC CONTROL PHASE II DETAIL
TMP-5	TEMPORARY TRAFFIC CONTROL PHASE III DETAIL

SHEET NO.
TMP-1

B-6034

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



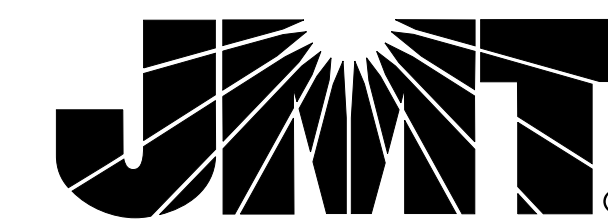
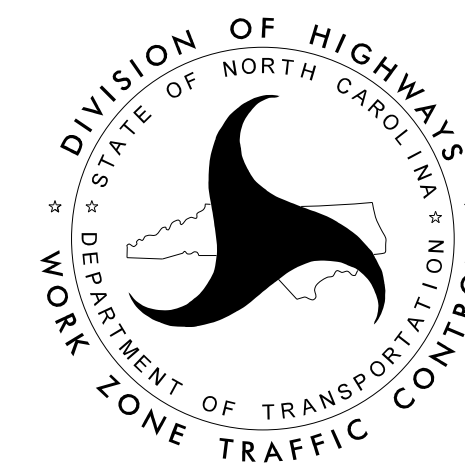
PLANS PREPARED BY:

COLTON M. RIDDLE, P.E.
PROJECT ENGINEER

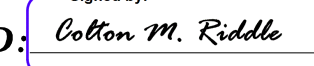
ALEX FITZPATRICK
PROJECT DESIGN ENGINEER

NCDOT CONTACTS:

ZACHARY THOMAS SHULER, P.E.
DIV. 14 BRIDGE
PROGRAM/PROJECT MANAGER



Johnson, Mirmiran, & Thompson Inc.
108 Asheville Commerce Parkway, Suite 100,
Candler, NC 28715
License No: C-3097

APPROVED: 
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DATE: 11/25/2025

SEAL



PROJECT:

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User:cmriddle

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - 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 ADVANCE 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
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.12	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.
- TEMP. SHORING (LOCATION PURPOSES ONLY)

- WORK AREA
- REMOVAL

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY
- PORTABLE TRAFFIC SIGNAL

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION
	4" PAINT
	WHITE EDGELINE
	24" PAINT
	WHITE STOPBAR



APPROVED: DATE: 11/25/2025 SEAL			ROADWAY STANDARD DRAWINGS & LEGEND
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

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 User:cmriddle

GENERAL NOTES / LOCAL 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.

TIME RESTRICTIONS

A) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
ALL ROADS	MONDAY THRU FRIDAY, 6 A.M. TO 9 A.M., 4 P.M. TO 7 P.M.	15 MIN., TIE-INS, MARKING PLACEMENT, TRAFFIC SHIFTS

LANE AND SHOULDER CLOSURE REQUIREMENTS

- B) 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.
- C) 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.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 5 FT OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- E) 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.
- F) 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.
- G) NOTIFY THE NCDOT STATEWIDE TRANSPORTATION OPERATIONS CENTER (STOC) AT 877-627-7862 APPROXIMATELY 30 MINUTES PRIOR TO INSTALLING AND WITHIN 15 MINUTES AFTER REMOVING LANE CLOSURES ON INTERSTATES, FREEWAYS, CONTROLLED ACCESS FACILITIES, AND US ROUTES.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- H) 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.

- I) 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) 200' IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- J) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- K) 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.
- L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- M) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 100 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

- N) 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.
- O) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
SR 1300 (PUMPKINTOWN RD)	PAINT	NONE
SR 1304 (PERLEY HYATT RD)	PAINT	NONE

- Q) 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.
- R) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- S) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

- T) 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.

MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

TRAFFIC MANAGEMENT STRATEGIES:

- LANE SHIFTS OR CLOSURES
- SHOULDER CLOSURES
- ONE-LANE, TWO WAY OPERATION (FLAGGING)
- ONE-LANE, TWO WAY OPERATION (SIGNALIZED)
- WEEKEND WORK
- WORK HOUR RESTRICTIONS FOR PEAK TRAVEL

WORK ZONE SAFETY & MOBILITY STRATEGIES:

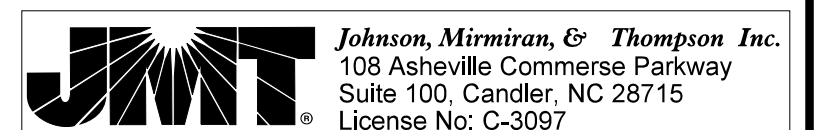
AUTOMATED FLAGGER ASSISTANCE DEVICES (AFADS)




LOCAL NOTES

LOCAL NOTES:

- 1) EMERGENCY VEHICLE ACCESS MUST BE MAINTAINED AT ALL TIMES.
- 2) NOTIFY THE FIRE DEPT, E.M.S., AND JACKSON COUNTY SCHOOL BOARD 30 DAYS PRIOR TO ROAD CLOSURE.
- 3) LOCAL ACCESS TO ALL RESIDENCES AND BUSINESSES WILL BE MAINTAINED BETWEEN CLOSURE POINTS AT ALL TIMES DURING CONSTRUCTION.
- 4) THE TEMPORARY PORTABLE TRAFFIC SIGNAL SYSTEM SHALL BE ACTUATED, NOT PRETIMED. THE SIGNALS ARE TO REST IN ALL RED OR AS DIRECTED BY THE ENGINEER.

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APPROVED:  DATE: 11/25/2025 SEAL 		<h3 style="margin: 0;">TRANSPORTATION OPERATIONS PLAN</h3>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

Shoring Location Nos. 1 and 2

THE FOLLOWING SHORING RECOMMENDATIONS ARE FOR TEMPORARY SHORING LOCATIONS AS INDICATED BELOW:

- 1) TEMPORARY SHORING LOCATION NO. 1 FROM STATION 12+71 -L-, 3* LT, TO STATION 12+86 -L-, 3* LT.
- 2) TEMPORARY SHORING LOCATION NO. 2 FROM STATION 13+54 -L-, 3* RT, TO STATION 13+69 -L-, 3* LT.

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING LOCATION NOS. 1 AND 2 FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 LB/CF
 FRICTION ANGLE (ϕ) = 30 DEGREES
 COHESION (c) = 0 LB/SF
 GROUNDWATER ELEVATION = 2440 FT

AT THE CONTRACTOR*S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING LOCATION NOS. 1 AND 2. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

WHEN BACKFILL FOR BRIDGE APPROACH OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR BRIDGE APPROACH, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

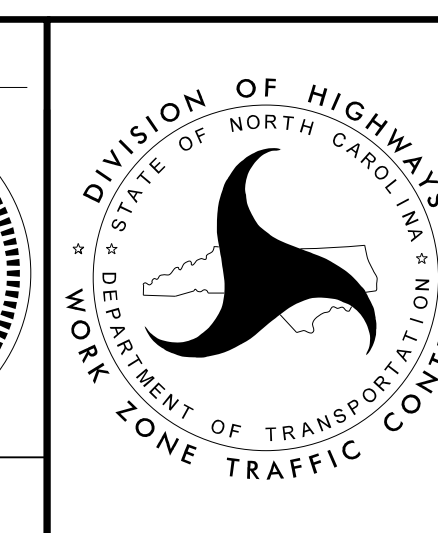
THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM NCDOT GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED TO JMT ON (JUNE 23, 2025) AND SEALED BY A PROFESSIONAL ENGINEER, (SHIPING YANG, PE), LICENSE #031361. SEE STANDARD TEMPORARY SHORING AND STANDARD TEMPORARY WALL SHEETS (2G-1 THUR 2G-3 IN ROADWAY PLANS).



APPROVED: *Colton M. Riddle*
 DATE: 11/25/2025

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TEMPORARY SHORING NOTES

PROJECT PHASING

COMPLETE THE WORK OF PHASE I, AND PHASE II BY DECEMBER 01, 2026. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

PHASE I

- STEP 1: - ERECT WORK ZONE ADVANCED WARNING SIGNS USING ROADWAY STANDARD DRAWINGS NO. 1101.01, SHEET 3 OF 3.
- STEP 2: - USING RSD 1101.02 SHEET 1 OF 19, TRUCK MOUNTED ATTENUATOR (TMA), AND FLAGGERS AS NECESSARY, PERFORM THE FOLLOWING:
 - INSTALL TEMPORARY GUARDRAIL FROM -L- STA. 12+52 +/- TO -L- STA. 13+11 +/- (RT), AND ALL TRAFFIC CONTROL DEVICES (SEE SHEET TMP-3).
- STEP 3: - USING RSD 1101.02 SHEET 1 OF 19, AND FLAGGERS AS NECESSARY, PERFORM THE FOLLOWING:
 - INSTALL TEMPORARY SHORING FROM -L- STA. 12+71 +/- TO -L- STA. 12+86 +/- (1), AND FROM -L- STA. 13+54 +/- TO -L- STA. 13+69 +/- (2) (SEE SHEET TMP-3).
- STEP 4: - AWAY FROM TRAFFIC CONSTRUCT A PORTION OF PROPOSED STRUCTURE, PER STAGE 1 OF THE STRUCTURE PLANS (SEE SHEET TMP-3 AND STRUCTURE PLANS).
- STEP 5: - USING RSD 1101.02 SHEET 1 OF 19, AND FLAGGERS AS NECESSARY, PERFORM THE FOLLOWING:
 - CONSTRUCT -L- (SR 1300 PUMPKINTOWN ROAD) UP TO, BUT NOT INCLUDING THE SURFACE COURSE, FROM THE END OF PROPOSED BRIDGE TO EXISTING EDGE OF PAVEMENT NORTHBOUND LANE (RIGHT SIDE) (SEE SHEET TMP-3).

PHASE II


- NOTE: STEP 1 SHALL BE COMPLETED IN A CONTINUOUS OPERATION.
- STEP 1: - USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 1 & 17 OF 19, AND FLAGGERS AS NECESSARY, PERFORM THE FOLLOWING:
 - REMOVE, AS NECESSARY, EXISTING PAVEMENT MARKINGS, AND PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) FROM -L- STA. 9+50 +/- TO -L- STA. 17+30 +/- AND -Y- 10+30 +/- (SEE SHEET TMP-4).
 - INSTALL PORTABLE TRAFFIC SIGNALS AND ALL TRAFFIC CONTROL DEVICES (SEE SHEET TMP-4).
 - ACTIVATE PORTABLE TRAFFIC SIGNALS, AND DIRECT SR 1300 (PUMPKINTOWN ROAD) TRAFFIC INTO A ONE-LANE TWO-WAY PATTERN IN THE SOUTHBOUND LANE OF SR 1300 (PUMPKINTOWN ROAD) (SEE SHEET TMP-4).
 - STEP 2: - AWAY FROM TRAFFIC, PERFORM THE FOLLOWING:
 - CONSTRUCT -L- (SR 1300 PUMPKINTOWN ROAD) UP TO, BUT NOT INCLUDING THE SURFACE COURSE, FROM -L- STA. 10+80 +/- TO START OF PROPOSED BRIDGE AND FROM -L- STA. 14+10 +/- TO -L- STA. 16+00 +/- NORTHBOUND LANE (RIGHT SIDE) (SEE SHEET TMP-4).
 - STEP 3: - INSTALL FINAL GUARDRAIL ON RIGHT SIDE OF -L- (SR 1300 PUMPKINTOWN ROAD) (SEE SHEET TMP-4 AND ROADWAY PLANS).
 - INSTALL TEMPORARY GUARDRAIL FROM -L- STA. 11+50 +/- TO -L- STA. 14+00 +/- (LT) (SEE SHEET TMP-4).

PHASE III

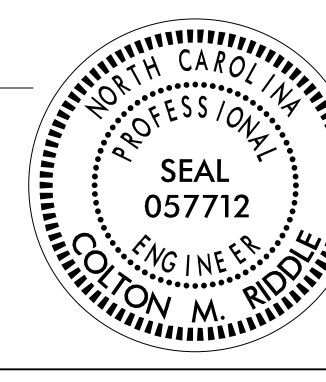
- NOTE: STEP 1 SHALL BE COMPLETED IN A CONTINUOUS OPERATION.
- STEP 1: - USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 1 & 17 OF 19, AND FLAGGERS AS NECESSARY, PERFORM THE FOLLOWING:
 - REMOVE, AS NECESSARY, PAVEMENT MARKINGS PLACED IN STEP 1, PHASE II AND PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) FROM -L- STA. 10+30 +/- TO -L- STA. 16+50 +/- AND -Y- 10+80 +/- TO -L- (SEE SHEET TMP-5).
 - RESET TRAFFIC CONTROL DEVICES (SEE SHEET TMP-5).
 - ACTIVATE PORTABLE TRAFFIC SIGNALS AND DIRECT SR 1300 (PUMPKINTOWN ROAD) TRAFFIC INTO A ONE-LANE TWO-WAY PATTERN IN THE NEWLY CONSTRUCTED NORTHBOUND LANE OF SR 1300 (PUMPKINTOWN ROAD) (SEE SHEET TMP-5).
 - STEP 2: - AWAY FROM TRAFFIC, REMOVE EXISTING STRUCTURE (SEE TMP-5 AND STRUCTURE PLANS).
 - STEP 3: - AWAY FROM TRAFFIC PERFORM THE FOLLOWING:
 - FINISH CONSTRUCTING PROPOSED STRUCTURE PER STAGE 2 OF THE STRUCTURE PLANS (SEE SHEET TMP-5 AND STRUCTURE PLANS).
 - CONSTRUCT -L- (SR 1300 PUMPKINTOWN ROAD) UP TO, BUT NOT INCLUDING THE SURFACE COURSE, FROM -L- STA. 10+80 +/- TO -L- STA. 16+00 +/- SOUTHBOUND LANE (LEFT SIDE), AND -Y- (SR 1304 PERLEY HYATT RD) FROM STA. 10+80 TO -L- (SEE SHEET TMP-5).
 - INSTALL FINAL GUARDRAIL ON LEFT SIDE OF -L- (SR 1300 PUMPKINTOWN ROAD) (SEE SHEET TMP-5 AND ROADWAY PLANS).
 - STEP 4: - USING ROADWAY STANDARD DRAWINGS NO. 1101.02, SHEETS 1 & 17 OF 19, AND FLAGGERS AS NECESSARY, PERFORM THE FOLLOWING:
 - REMOVE TEMPORARY GUARDRAIL PLACED IN STEP 3, PHASE II.
 - PLACE THE FINAL LAYER OF SURFACE COURSE ON ENTIRE PROJECT.
 - PLACE FINAL PAVEMENT MARKINGS (PAINT) ON THE ENTIRE PROJECT (SEE PMP PLANS).
 - RELOCATE STOPSIGN ON SR 1304 (PERLEY HYATT RD).
 - STEP 5: - REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNALS, AND OPEN SR 1300 (PUMPKINTOWN ROAD) TO TWO-LANE TWO-WAY TRAFFIC.

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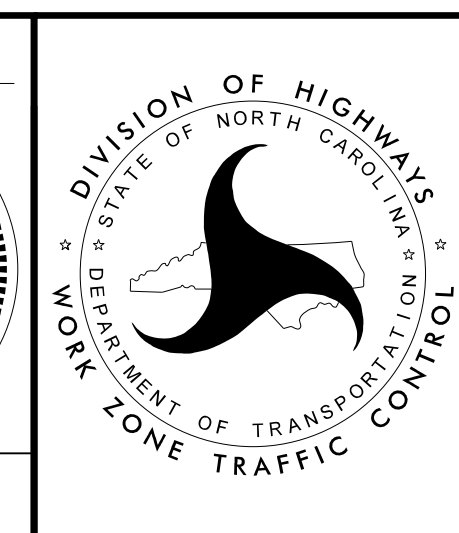
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DATE: 11/25/2025

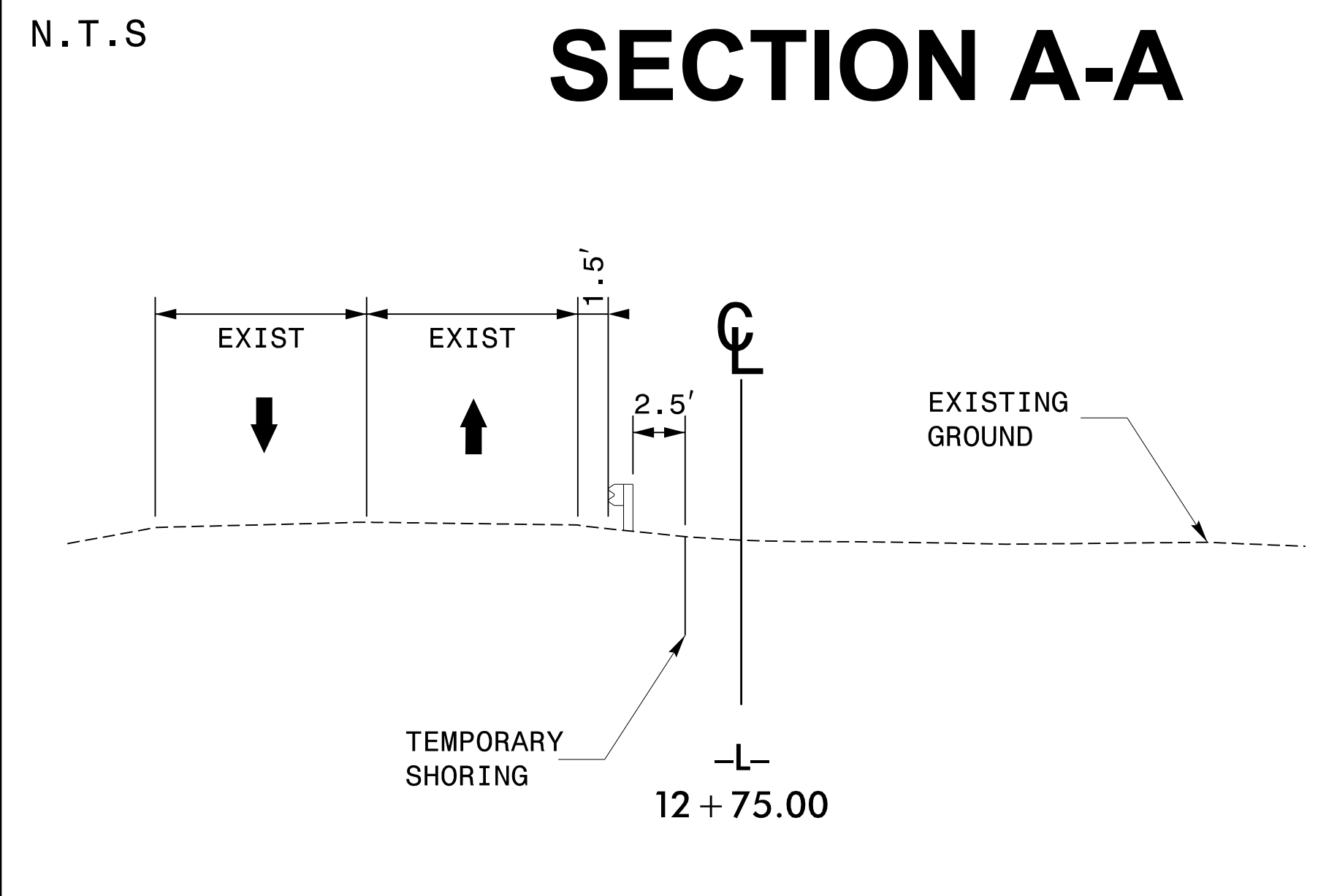
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TEMPORARY TRAFFIC
CONTROL PHASING

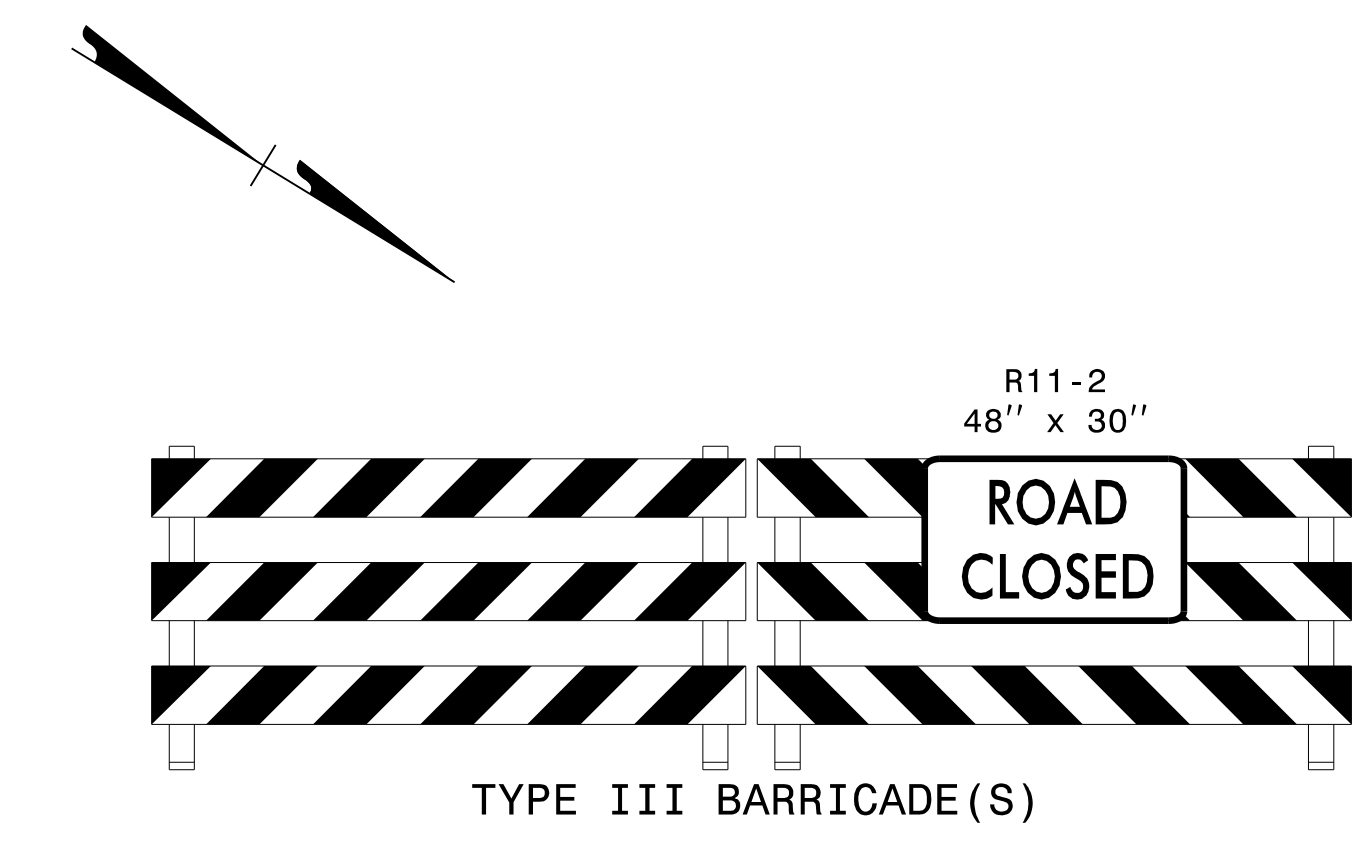


1 QUANTITY = 81 SQ.FT.
 TEMPORARY SHORING
 FROM STA. -L- 12+71 +/-, 3' (LT)
 TO STA. -L- 12+86 +/-, 3' (LT)

2 QUANTITY = 105 SQ.FT.
 TEMPORARY SHORING
 FROM STA. -L- 13+54 +/-, 3' (LT)
 TO STA. -L- 13+69 +/-, 3' (LT)

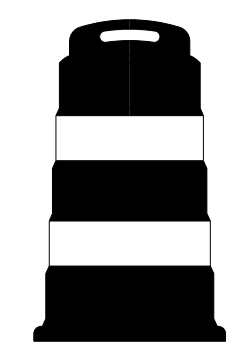
(SEE SHEET TMP-1C FOR TEMPORARY SHORING NOTES)

(SEE SHEET TMP-1C FOR TEMPORARY SHORING NOTES)

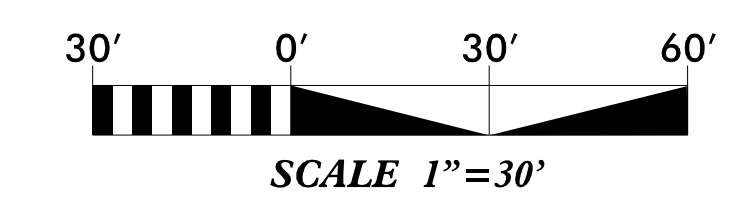


TYPE III BARRICADE(S)

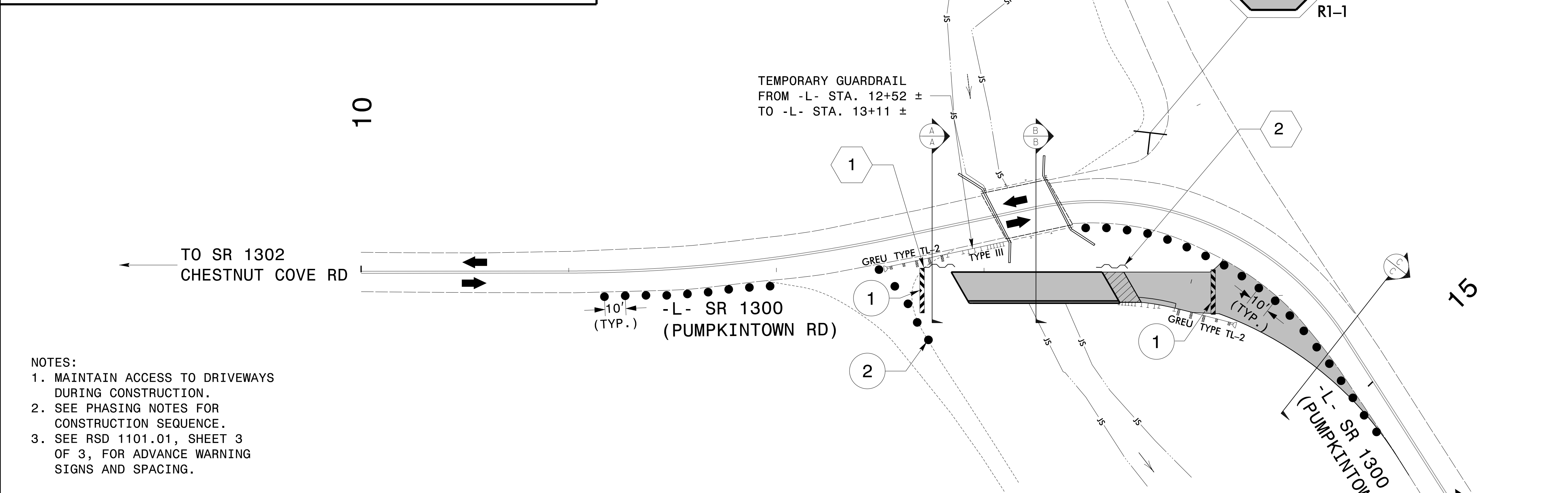
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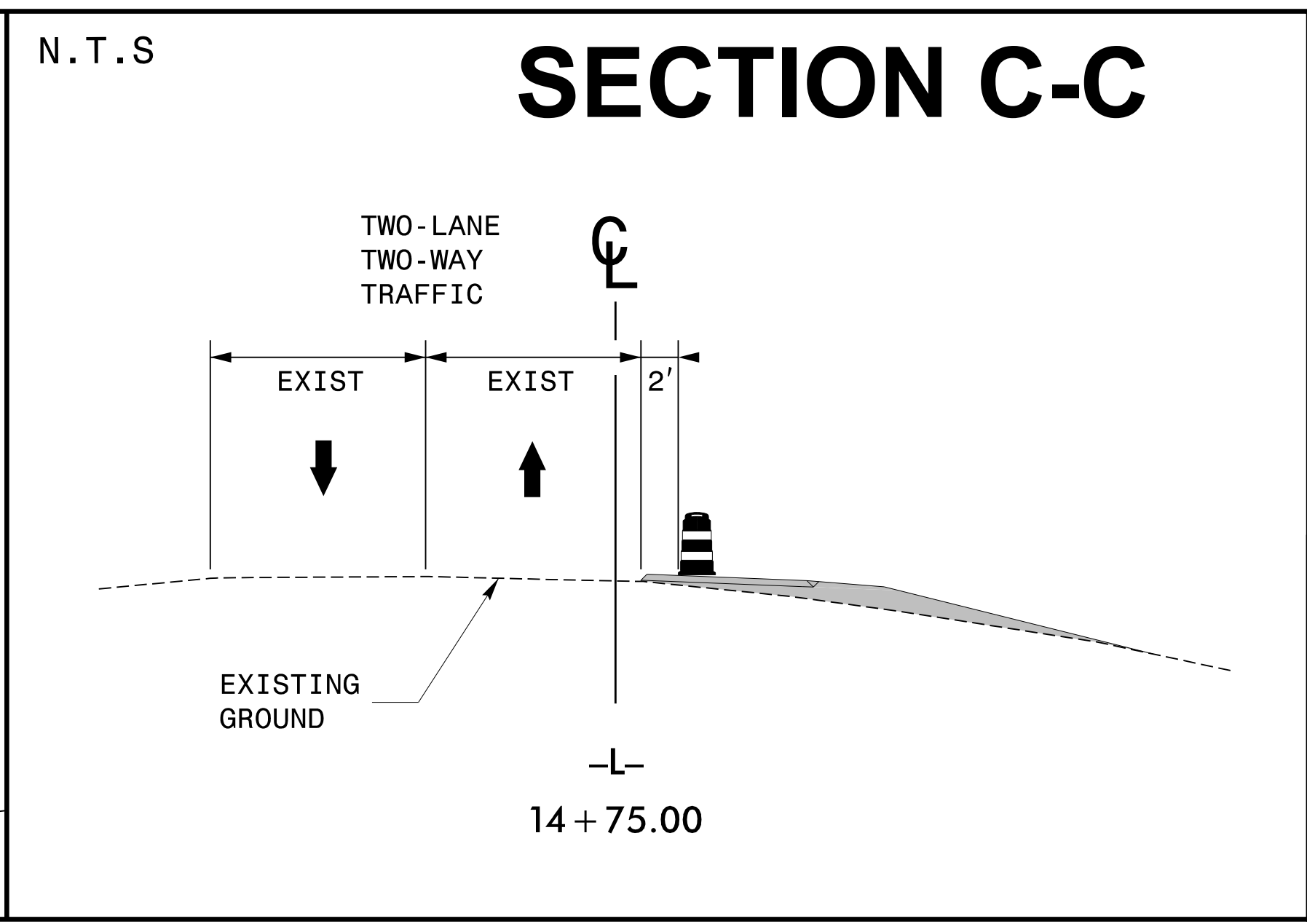
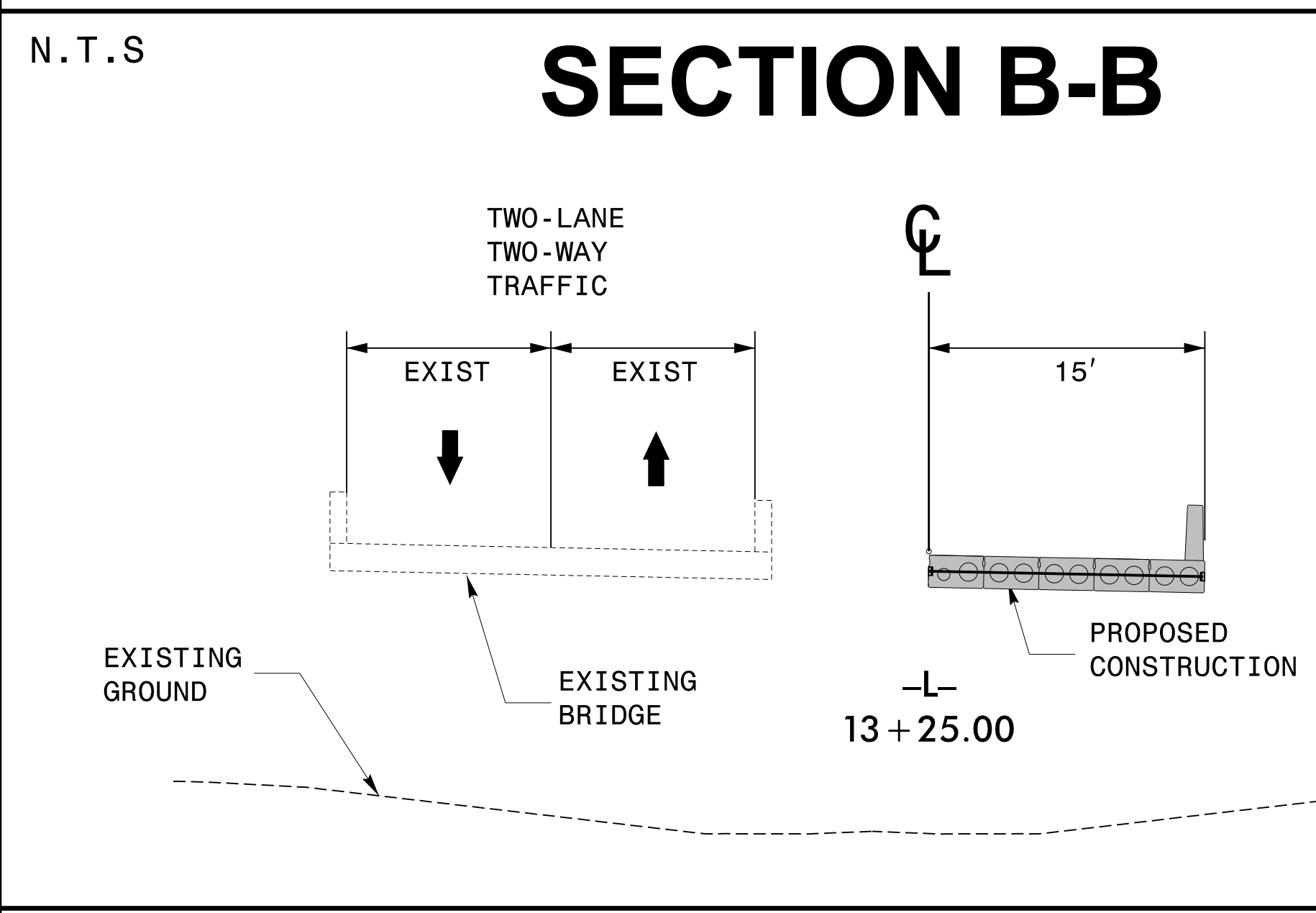
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WORK AREA



- NOTES:
1. MAINTAIN ACCESS TO DRIVEWAYS DURING CONSTRUCTION.
 2. SEE PHASING NOTES FOR CONSTRUCTION SEQUENCE.
 3. SEE RSD 1101.01, SHEET 3 OF 3, FOR ADVANCE WARNING SIGNS AND SPACING.



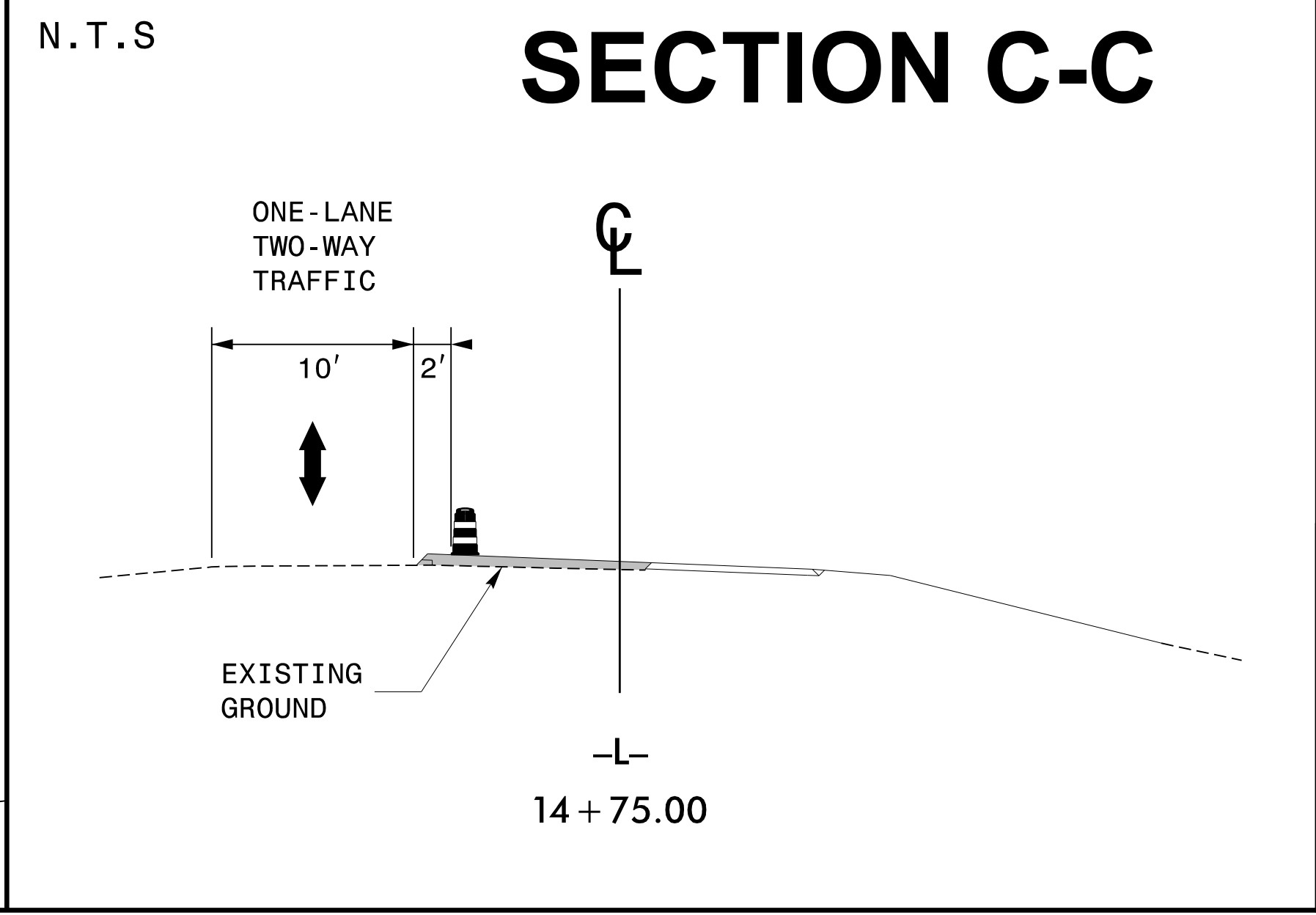
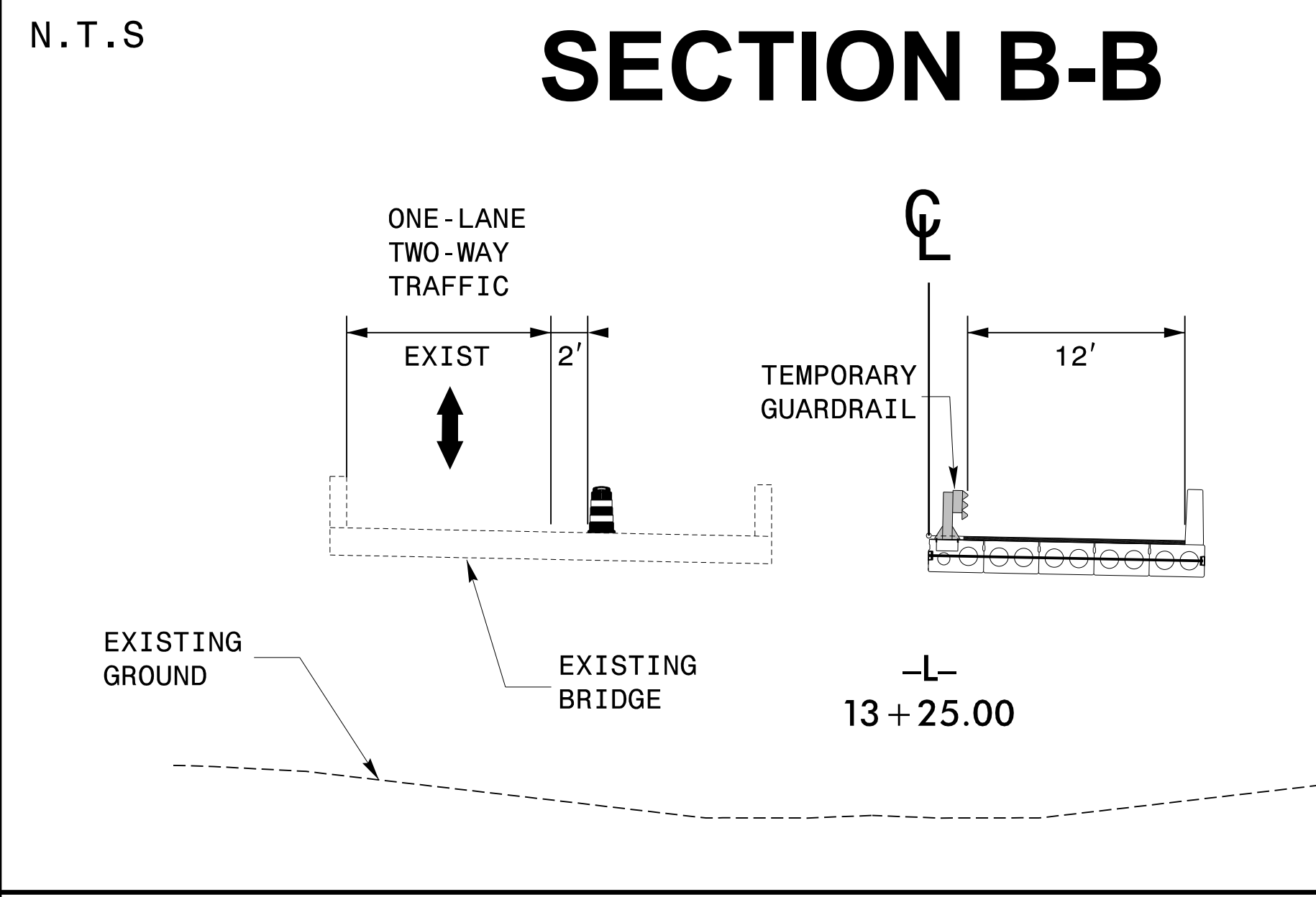
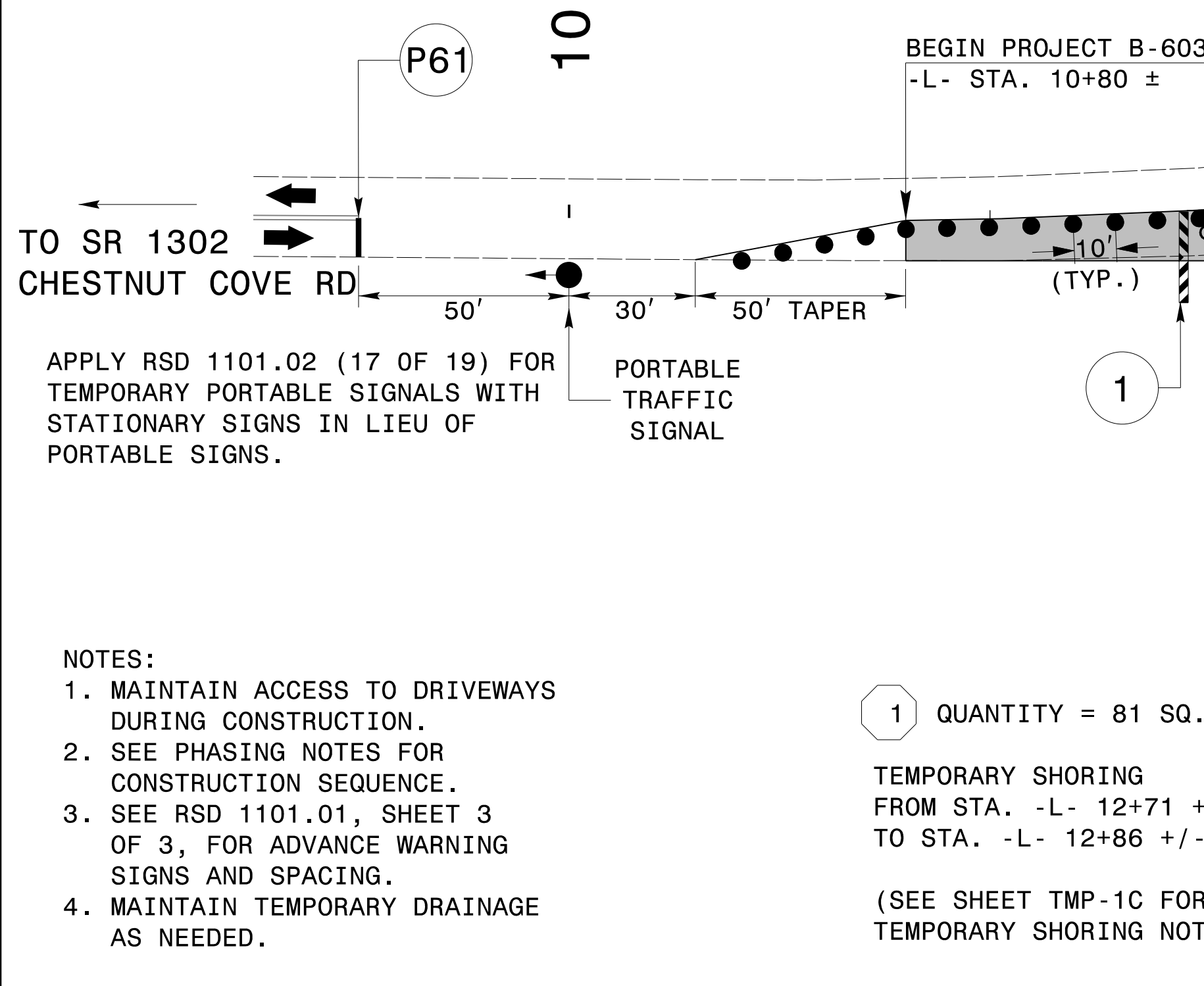
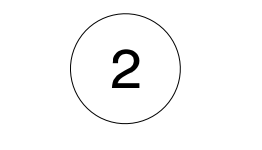
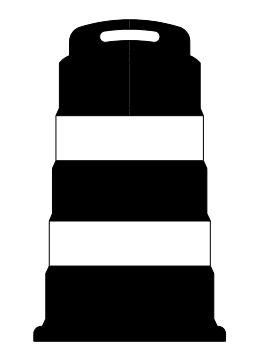
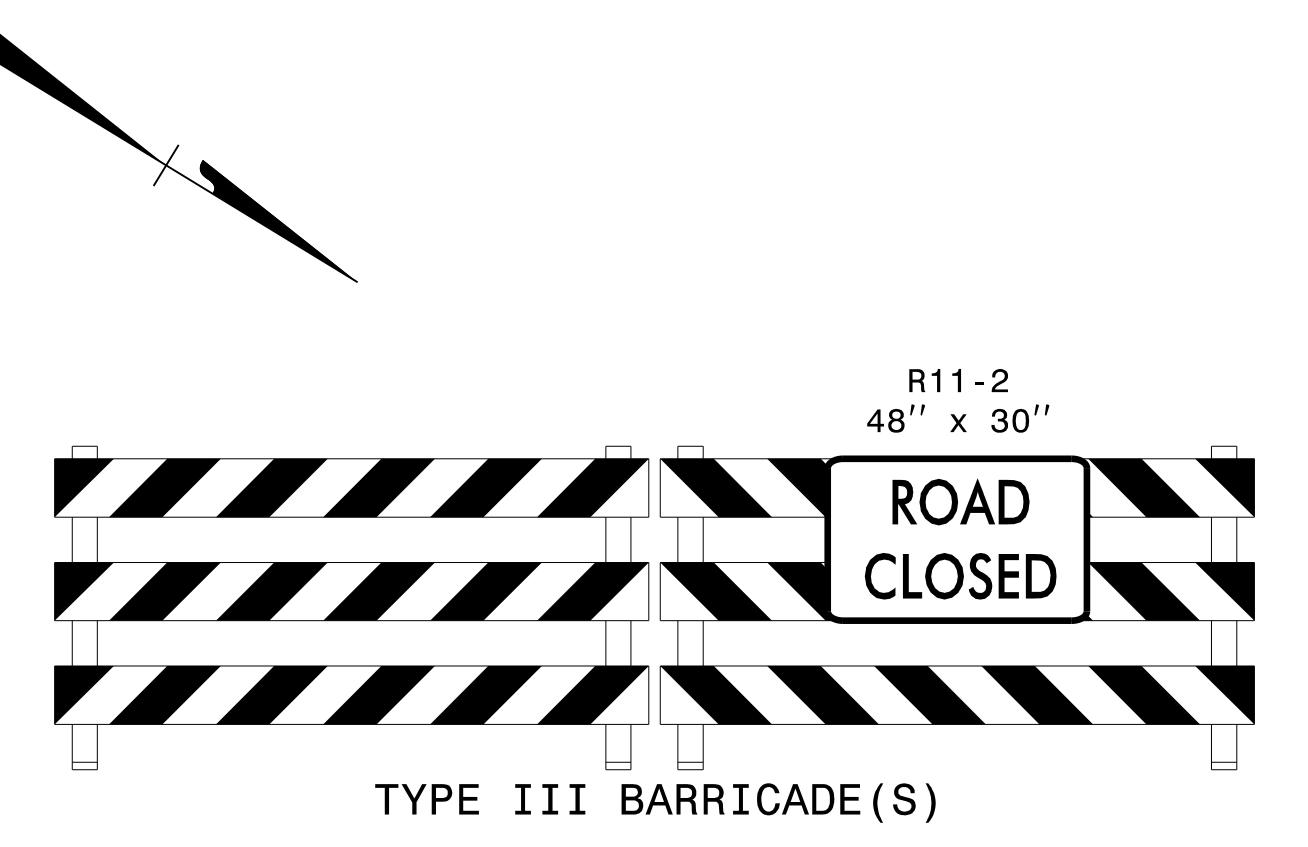
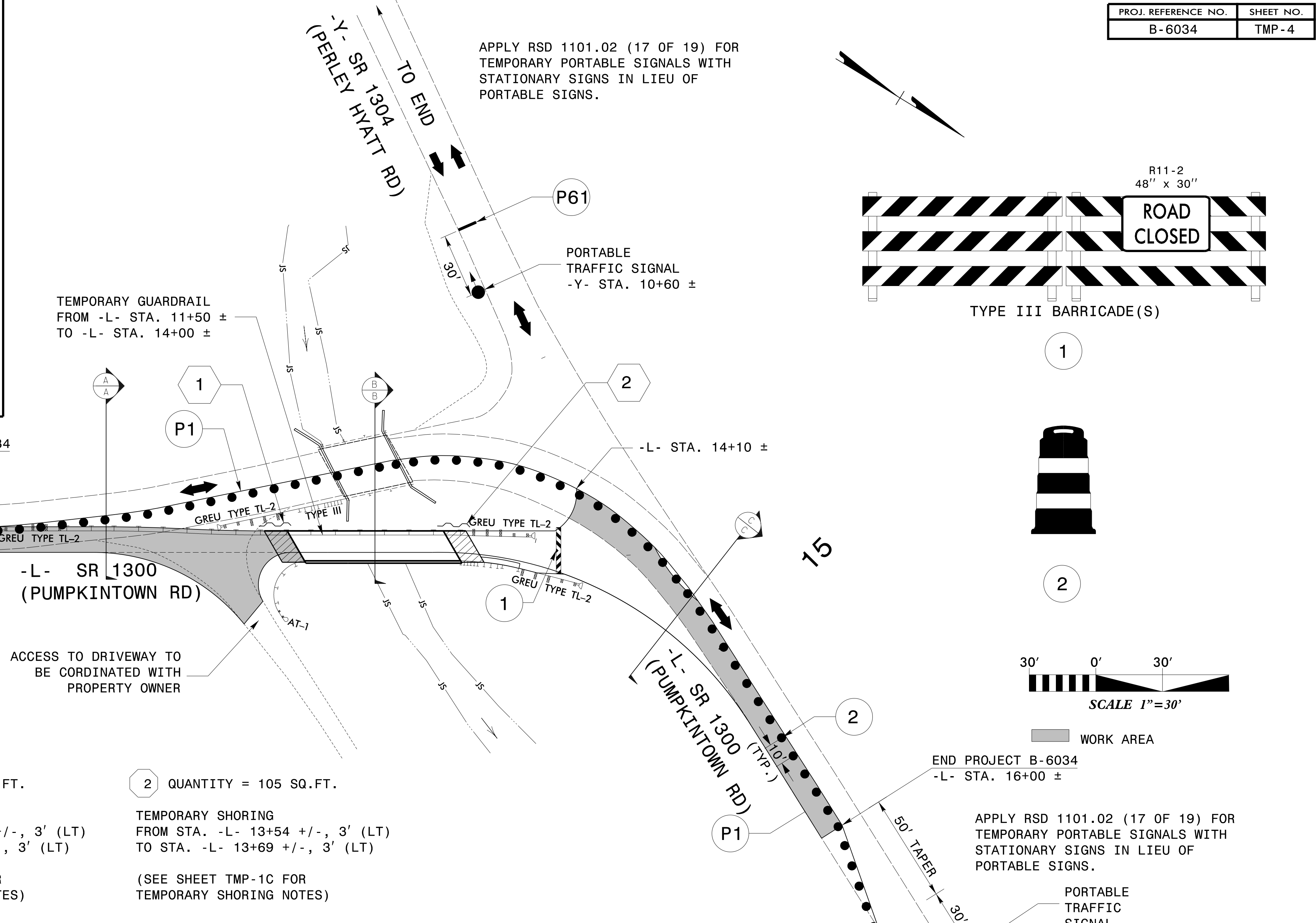
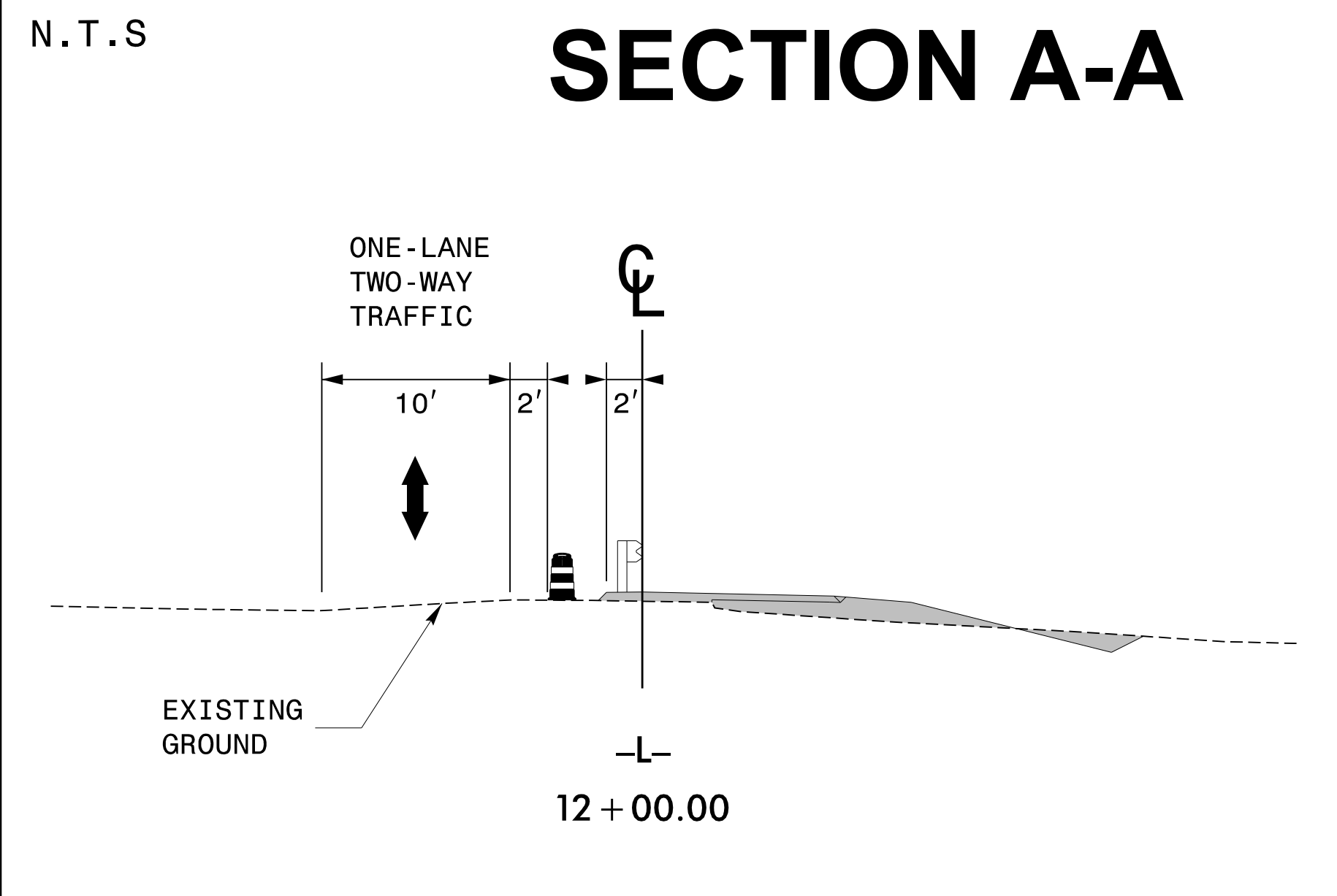
APPROVED: *Colton M. Riddle*
 DATE: 11/25/2025

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TEMPORARY TRAFFIC CONTROL PHASE I DETAIL

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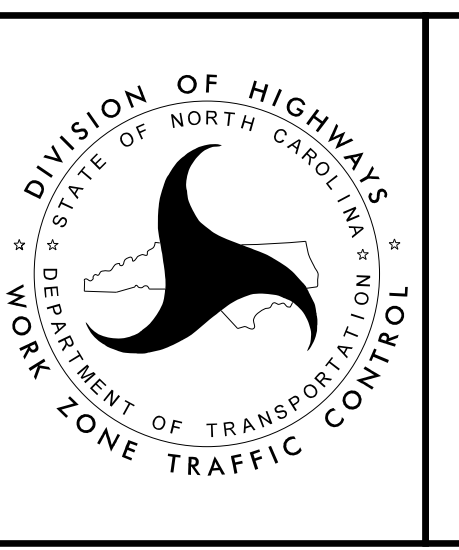


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DATE: 1/8/2026

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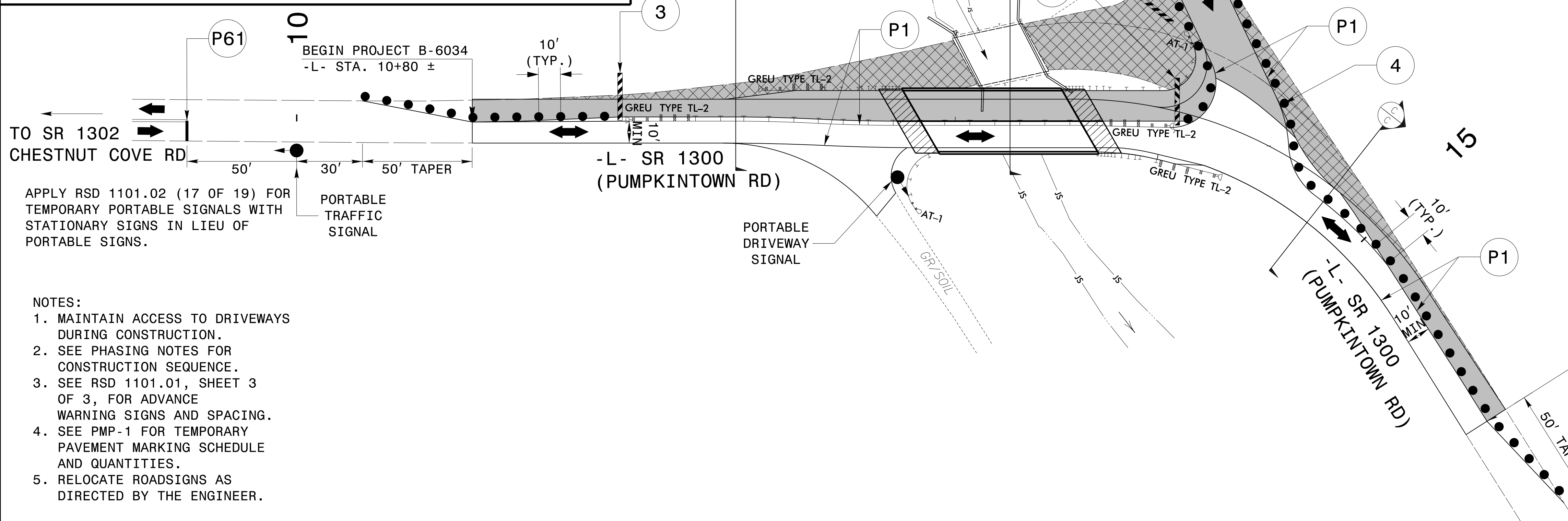
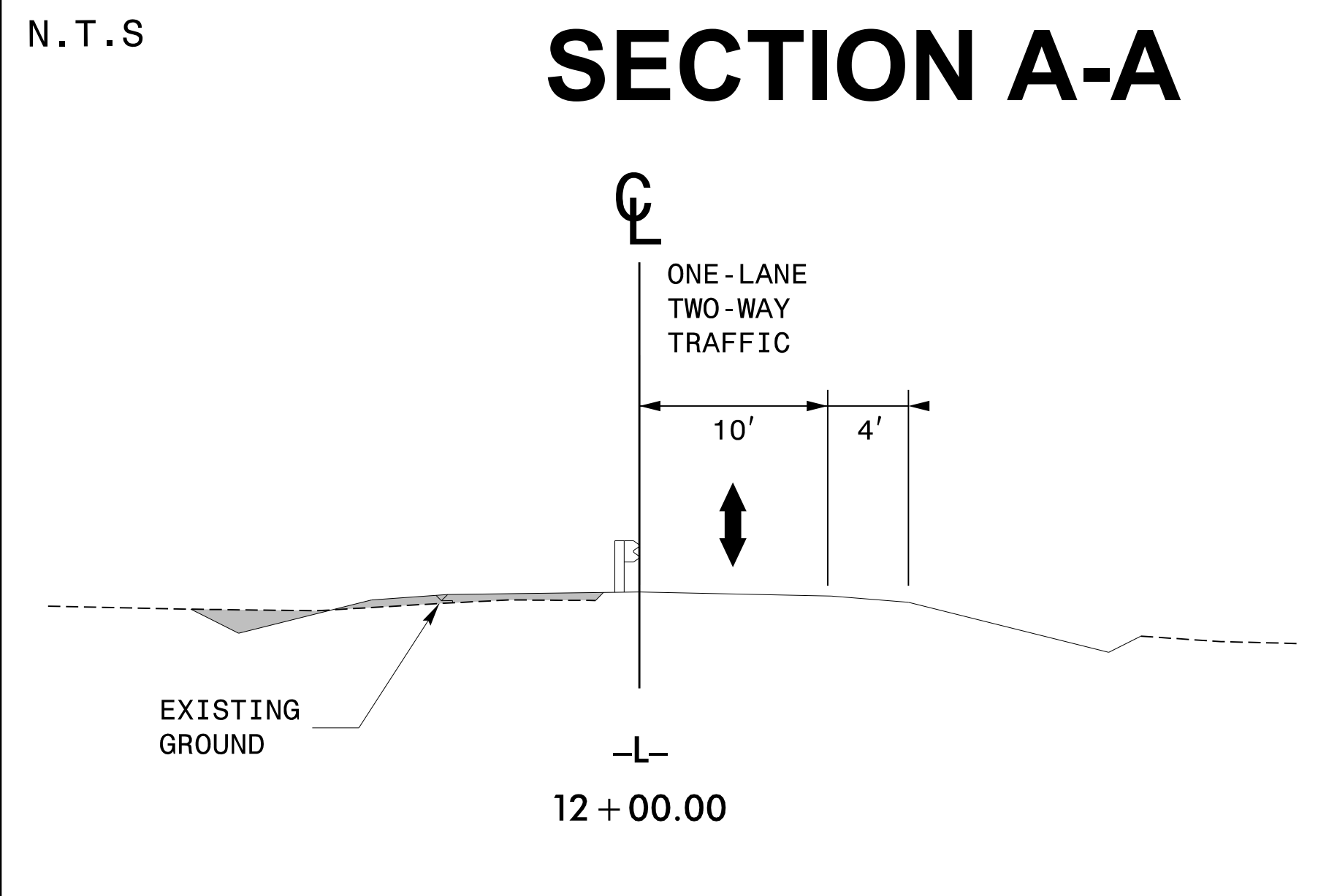
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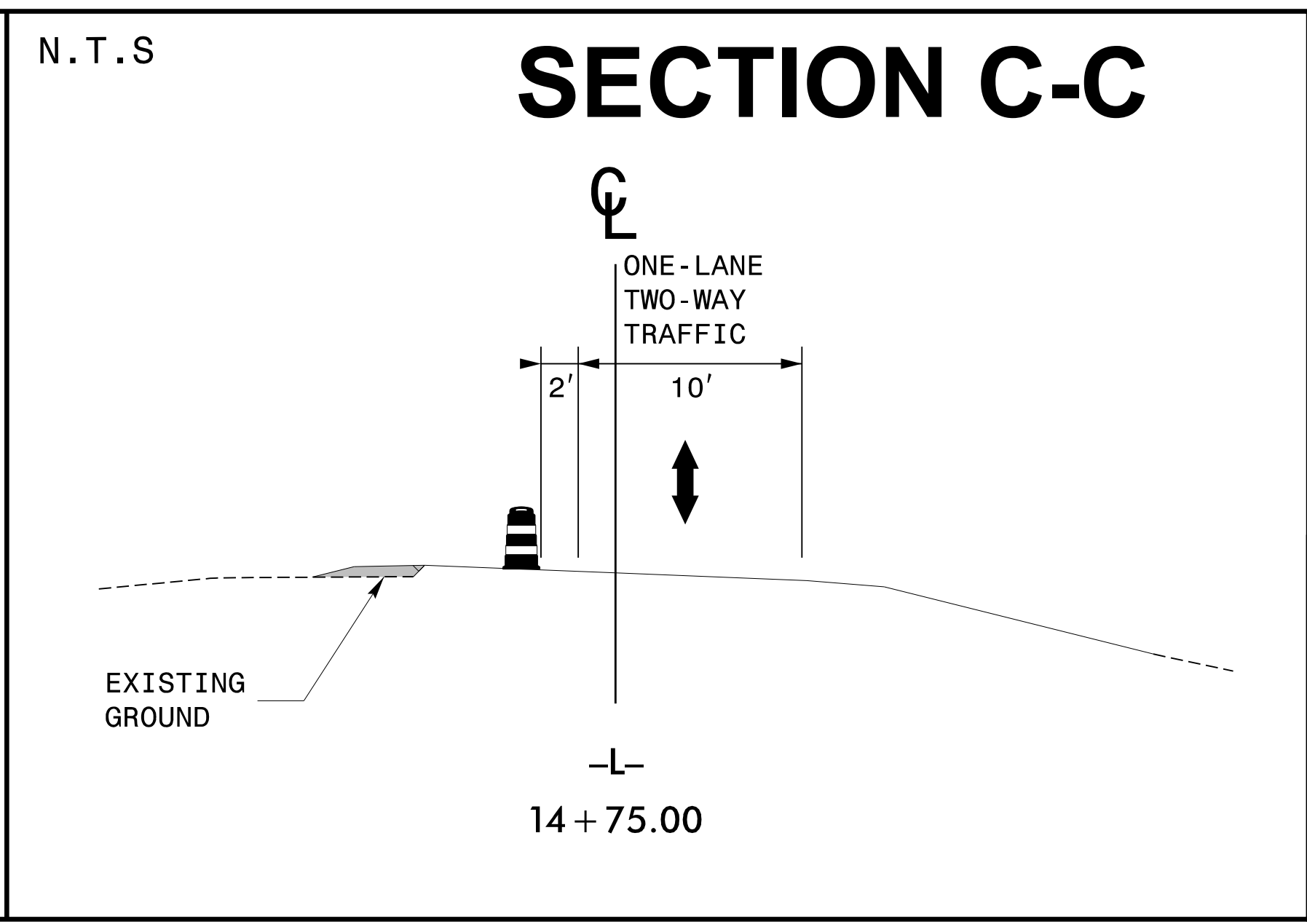
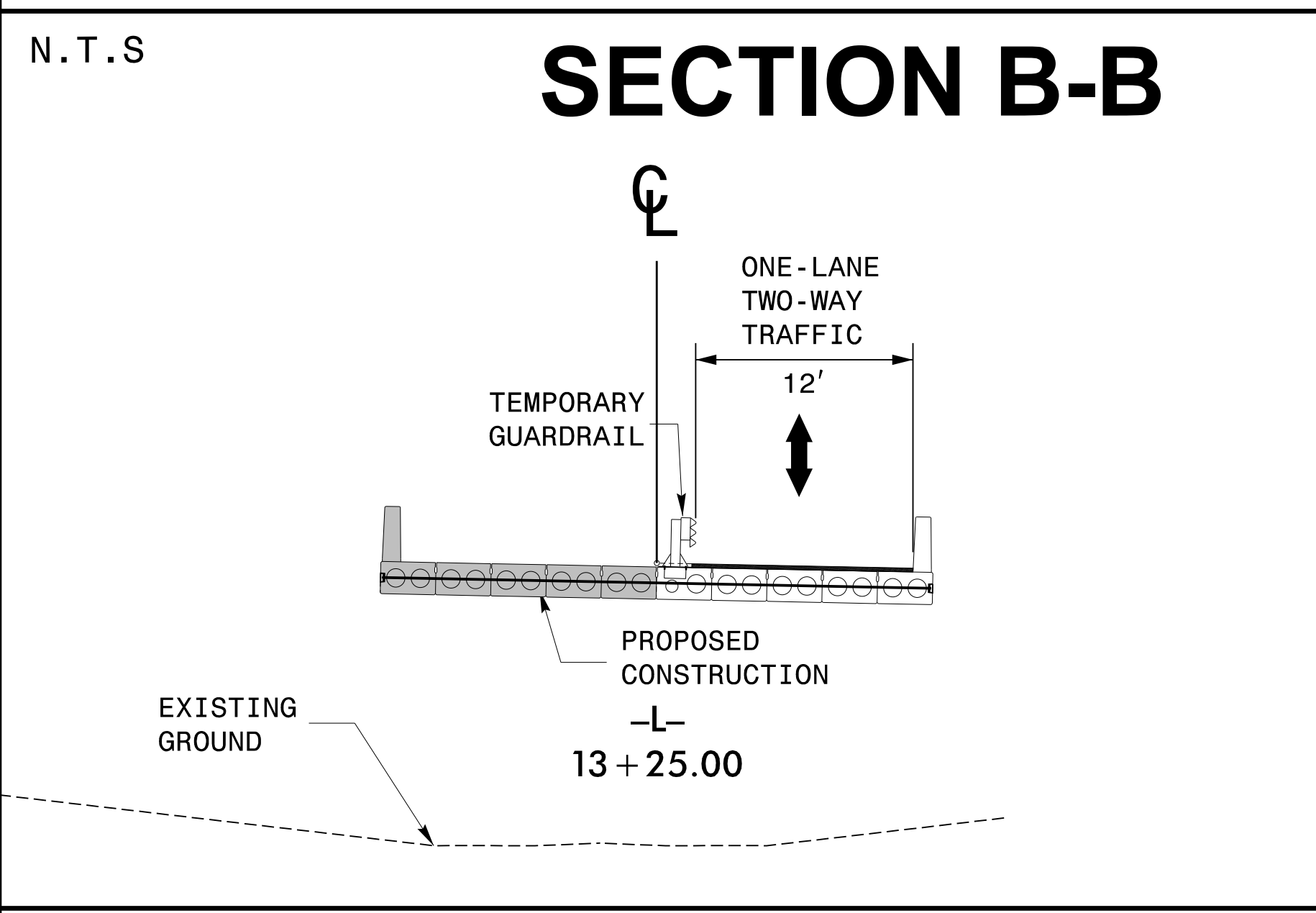
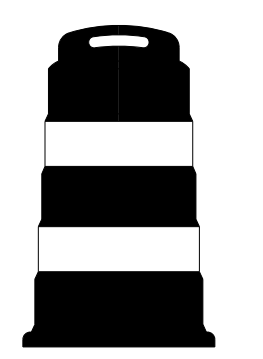
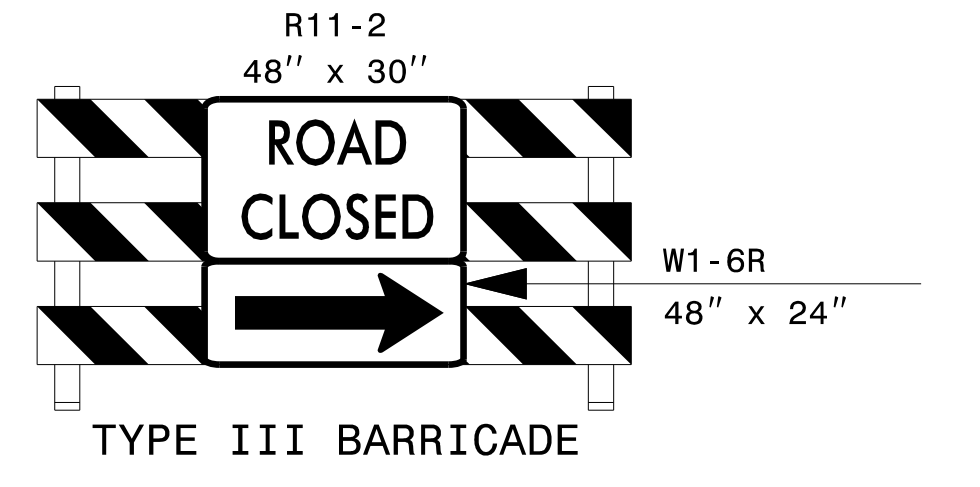
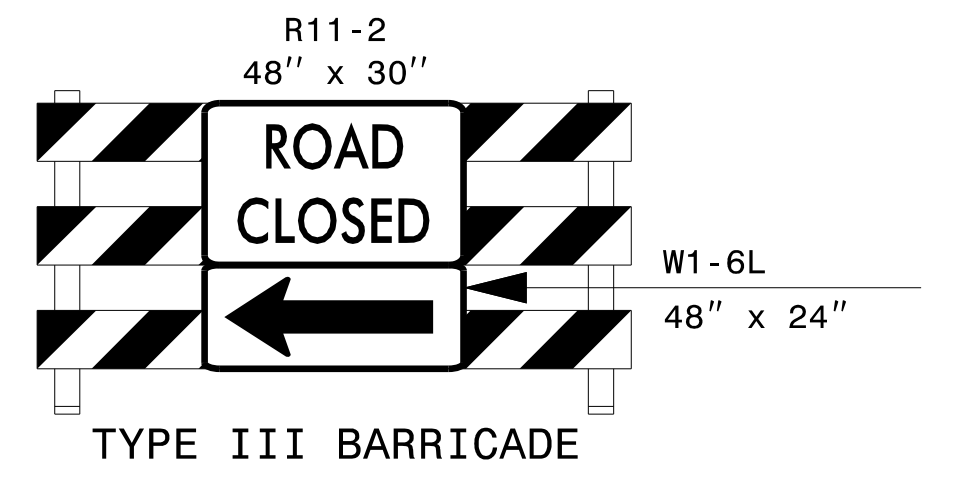
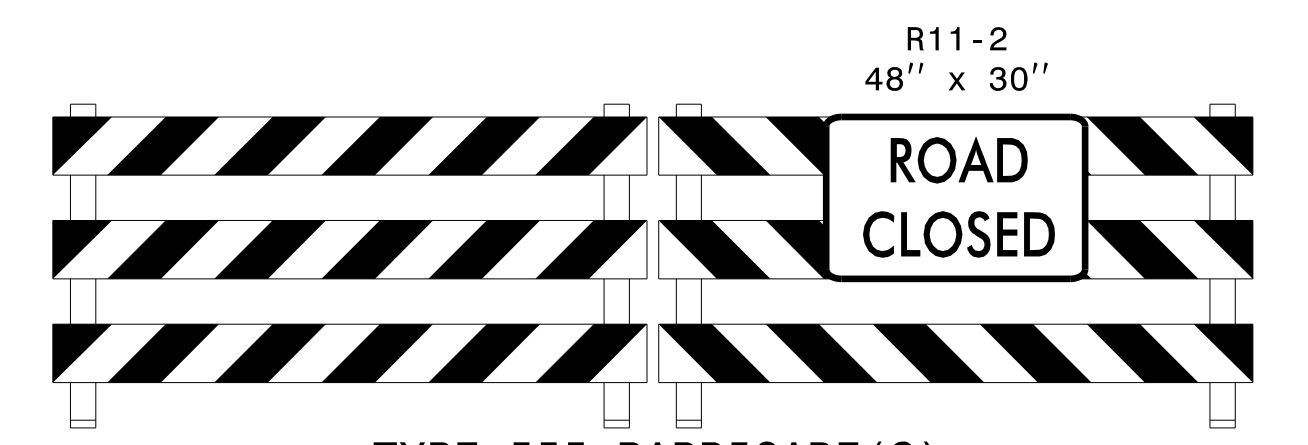
TEMPORARY TRAFFIC CONTROL PHASE II DETAIL

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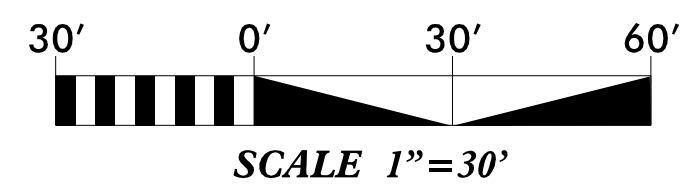
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- NOTES:
1. MAINTAIN ACCESS TO DRIVEWAYS DURING CONSTRUCTION.
 2. SEE PHASING NOTES FOR CONSTRUCTION SEQUENCE.
 3. SEE RSD 1101.01, SHEET 3 OF 3, FOR ADVANCE WARNING SIGNS AND SPACING.
 4. SEE PMP-1 FOR TEMPORARY PAVEMENT MARKING SCHEDULE AND QUANTITIES.
 5. RELOCATE ROADSIGNS AS DIRECTED BY THE ENGINEER.



APPLY RSD 1101.02 (17 OF 19) FOR TEMPORARY PORTABLE SIGNALS WITH STATIONARY SIGNS IN LIEU OF PORTABLE SIGNS.



WORK AREA

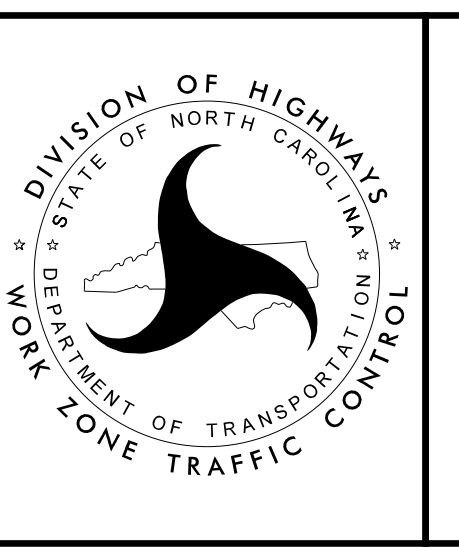
REMOVAL

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DATE: 11/25/2025

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TEMPORARY TRAFFIC CONTROL PHASE III DETAIL

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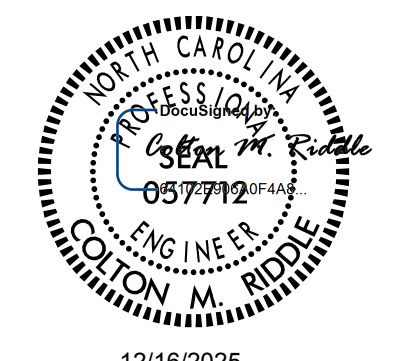
PROJECT: B-6034

CONTRACT: DN01144

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PAVEMENT MARKING PLAN
JACKSON COUNTY

**LOCATION : BRIDGE NO. 490065 OVER SAVANNAH CREEK
ON SR 1300 (PUMPKINTOWN ROAD)**

PROJECT REFERENCE NO. B-6034	SHEET NO. PMP-1
	
12/16/2025	
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ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR 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 & MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.12	PAVEMENT MARKINGS - BRIDGES
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES & 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: | MARKING | MARKER |
|----------------------------|---------|--------|
| SR 1300 (PUMPKINTOWN ROAD) | PAINT | NONE |
| SR 1304 (PERLEY HYATT RD.) | PAINT | NONE |
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D. TEMPORARY PAVEMENT MARKINGS ARE PLACED IN ONE (1) COAT OF PAINT, AND FINAL PAVEMENT MARKINGS ARE PLACED IN TWO (2) COATS OF PAINT.

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE SHEET
PMP-1A	DETAIL IN LIEU OF STANDARD
PMP-2	PAVEMENT MARKING DETAIL AND SCHEDULE

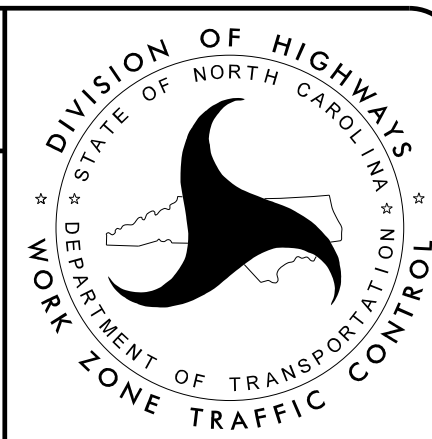
**PAVEMENT MARKING
SCHEDULE**

FINAL
PAVEMENT MARKINGS

SYMBOL	DESCRIPTION
<u>PAINT (4")</u>	
P1	WHITE EDGELINE
P13	YELLOW DOUBLE CENTER
P5	2FT. -6FT. SP WHITE MINISKIP
<u>PAINT (24")</u>	
P61	WHITE STOPBAR

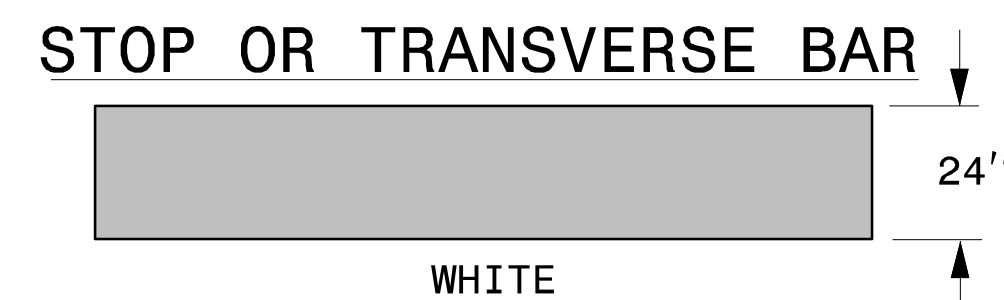
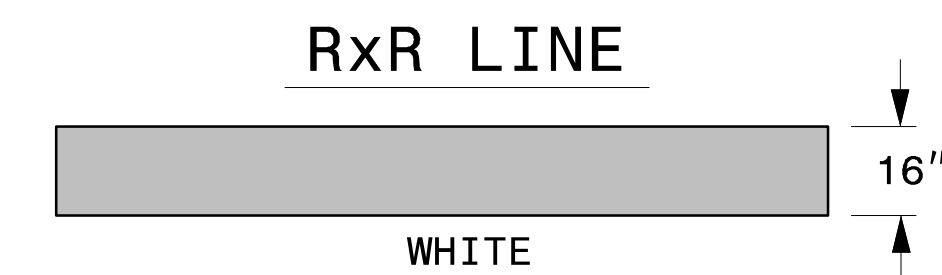
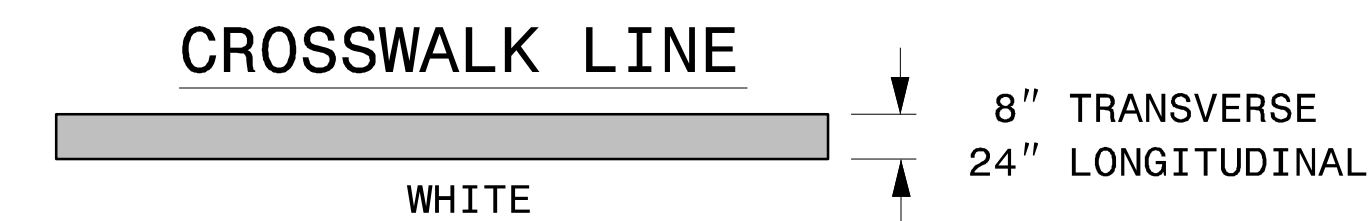
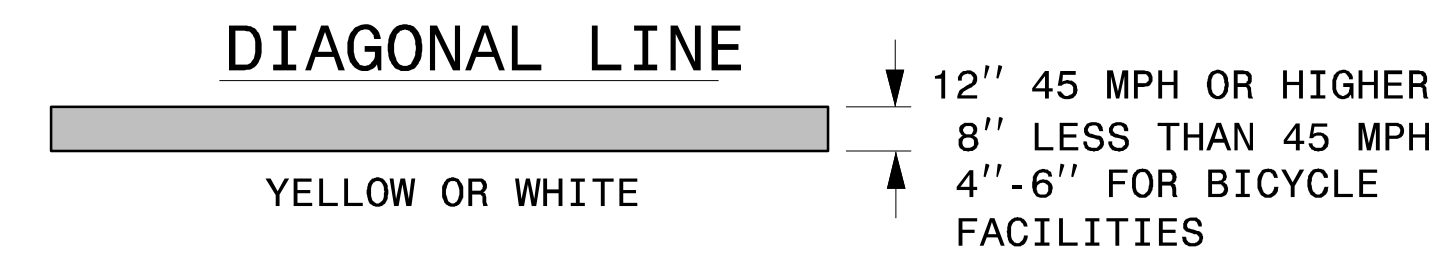
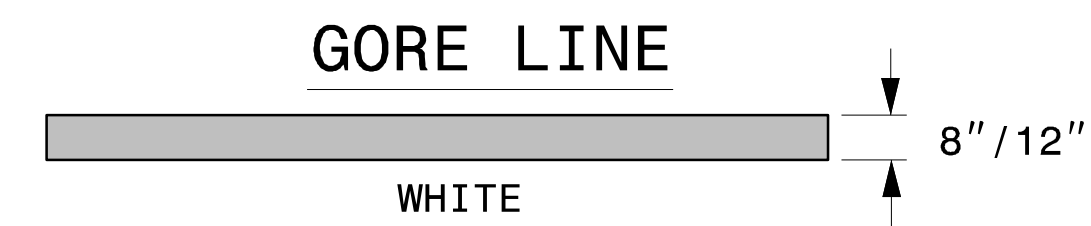
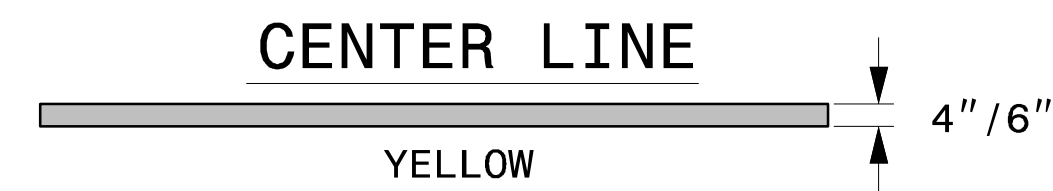
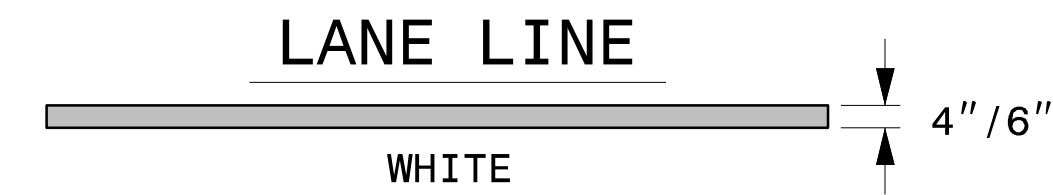
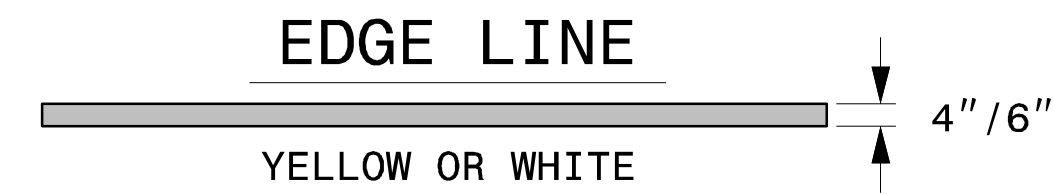
PLANS REVIEWED BY: N.C.D.O.T SIGNING AND DELINEATION UNIT

K. L. JORDAN	SIGNING & DELINEATION REGIONAL ENGINEER
M. TRACEY, P.E.	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



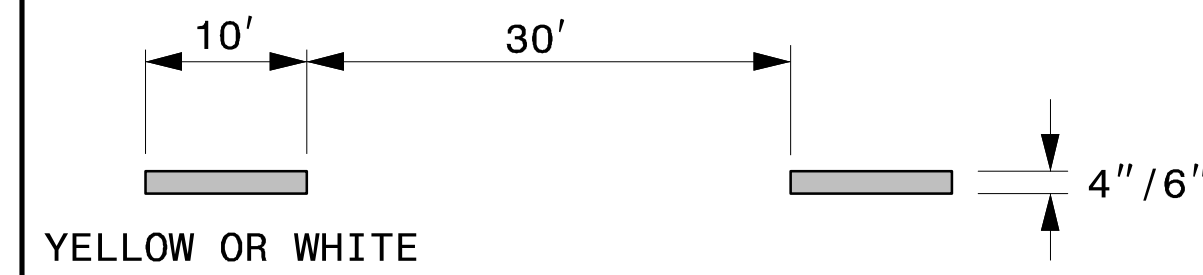
TRANSPORTATION ENGINEER COLTON M. RIDDLE, P.E.
TRANSPORTATION DESIGN ENGINEER COLTON M. RIDDLE, P.E.

CONTINUOUS LINES



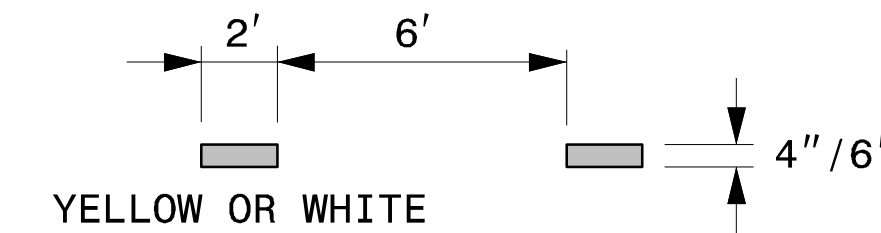
10'-30'/SP SKIP LINE

UNLESS OTHERWISE SHOWN, USE 10'-30'/SP SKIPS FOR SKIP LANE LINES AND SKIP CENTER LINES.



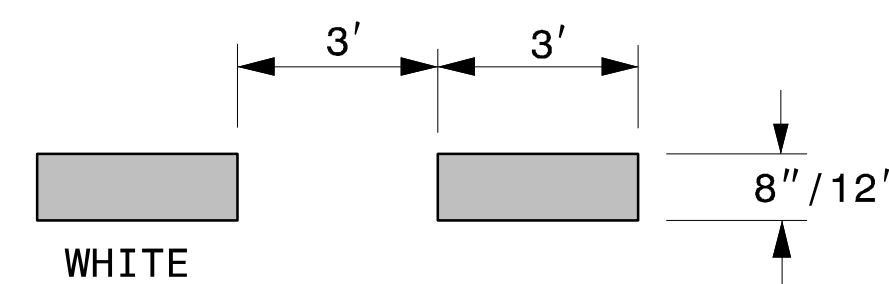
2'-6'/SP MINI-SKIP LINE

UNLESS OTHERWISE SHOWN, USE 2'-6'/SP MINI-SKIPS FOR LANE LINE EXTENSIONS THROUGH INTERSECTIONS, EDGE LINE EXTENSIONS THROUGH INTERSECTIONS AND BICYCLE LANE EXTENSIONS.



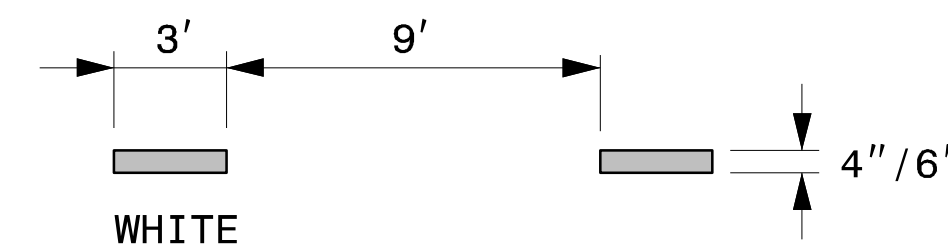
3'-3'/SP MINI-SKIP LINE

UNLESS OTHERWISE SHOWN, USE 3'-3'/SP MINI-SKIPS FOR THE WHITE EDGE LINE EXTENSIONS AT ROUNDABOUTS.



3'-9'/SP MINI-SKIP LINE

UNLESS OTHERWISE SHOWN, USE 3'-9'/SP MINI-SKIPS FOR MINI-SKIP LANE LINES, LINE EXTENSIONS THROUGH TAPERS, AND MINI-SKIPS USED FOR BICYCLE LANE LINES.



GENERAL NOTES:

- 1- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER.
- 2- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.
- 3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.

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

ROADWAY DETAIL DRAWING FOR
PAVEMENT MARKINGS
LINE TYPES AND OFFSETS

SHEET 1 OF 2

1205D01

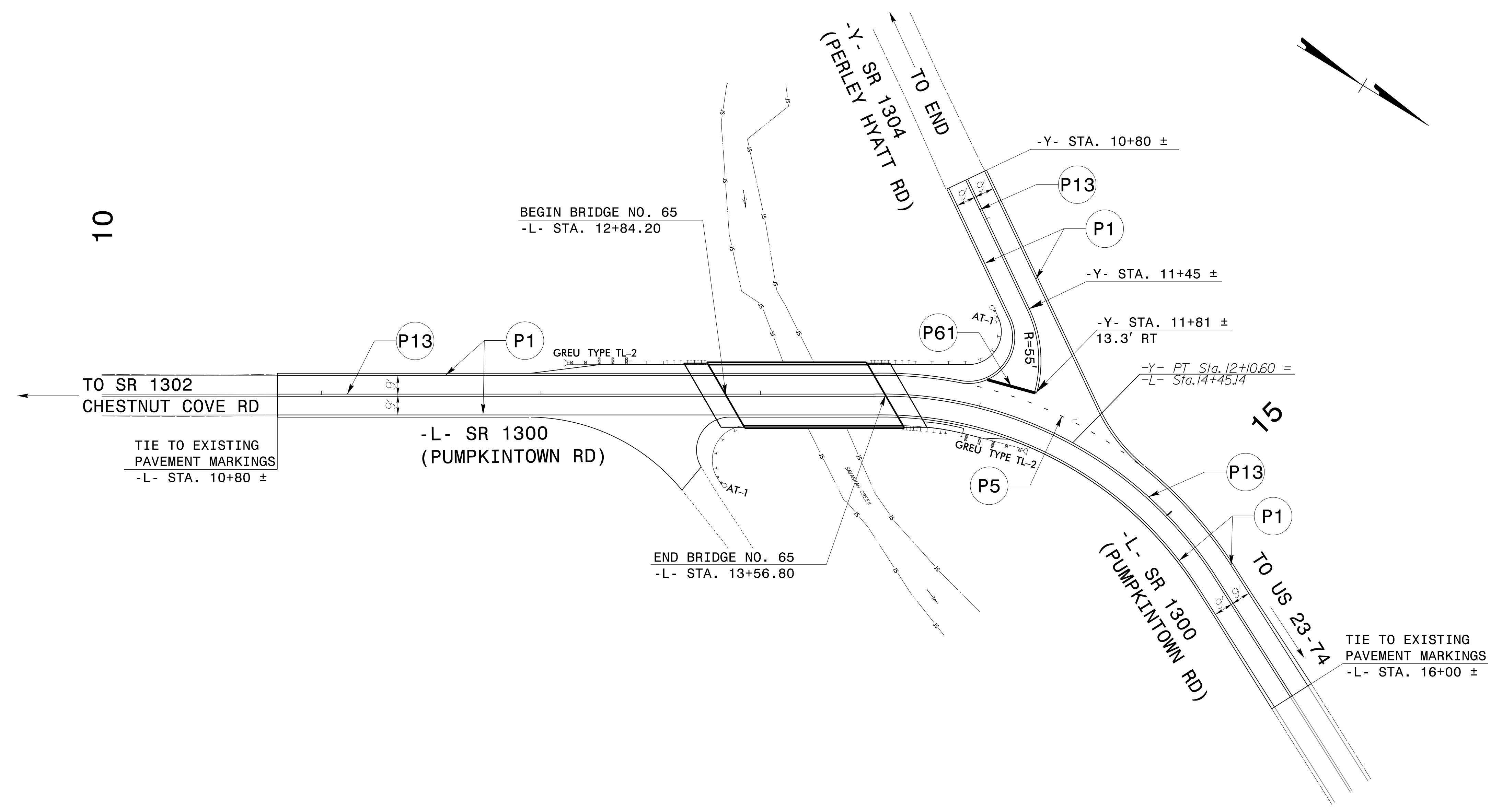


12/22/2025

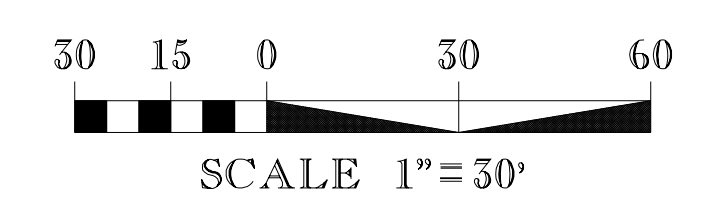
CONTRACTS STANDARDS AND DEVELOPMENT UNIT
Office 919-707-8950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: M.V. SPRINGER DATE: 2-15-24
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC.: _____



I:\17\2025_4\56\01 PM
V:\Asheville\Transportation\3\631-05 Jackson 65 - B-6034\Traffic\TrafficControl\TCP\PMP-2.dgn
User:cmriddle



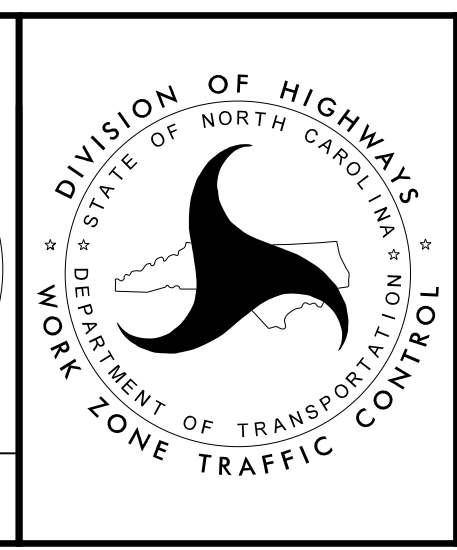
JMT Johnson, Mirmiran, & Thompson Inc.
108 Asheville Commerce Parkway
Suite 100, Candler, NC, 28715
License No. C-3097

APPROVED: *Colton M. Riddle*
DATE: 11/25/2025

SEAL

SEAL 057712
ENGINEER
COLTON M. RIDDLE

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



PAVEMENT MARKING
DETAIL

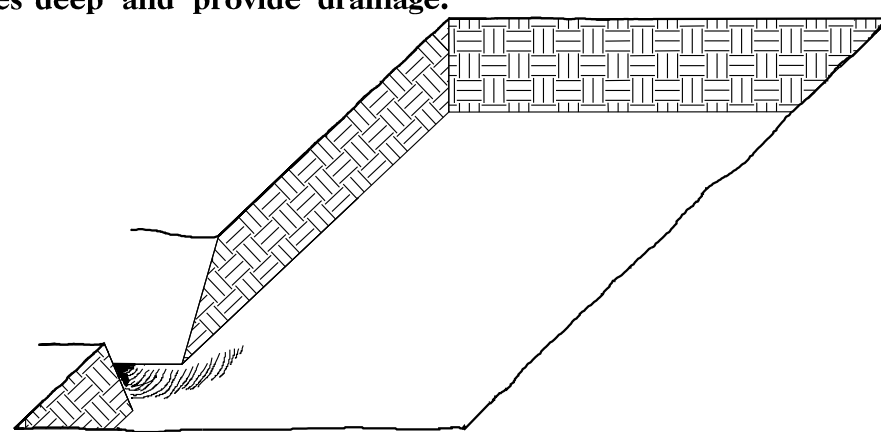
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-6034	RF-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

PLANTING DETAILS

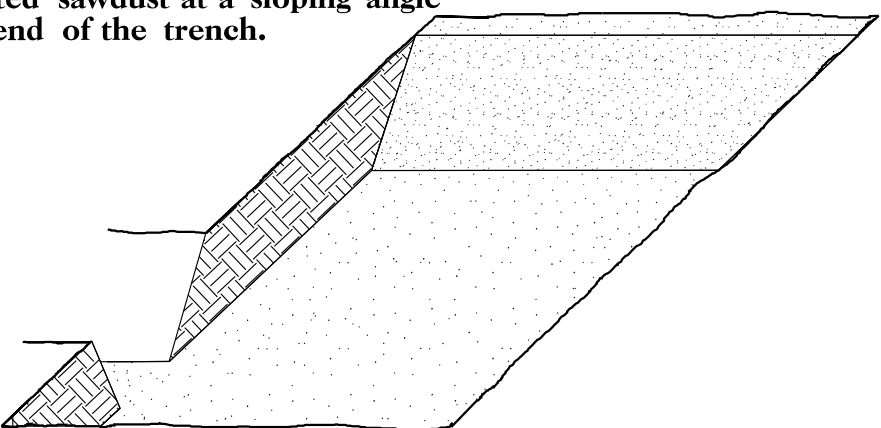
SEEDLING / LINER BAREROOT PLANTING DETAIL

HEALING IN

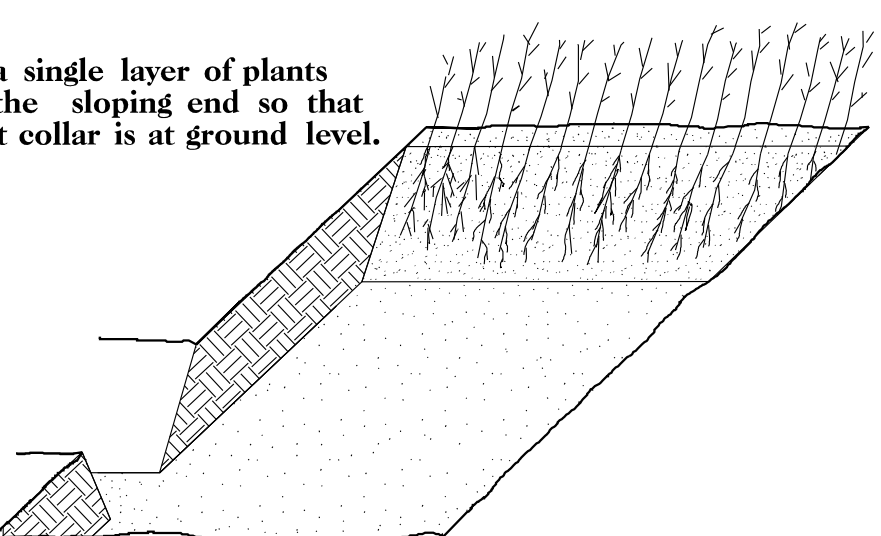
1. Locate a healing-in site in a shady, well protected area.
2. Excavate a flat bottom trench 12 inches deep and provide drainage.



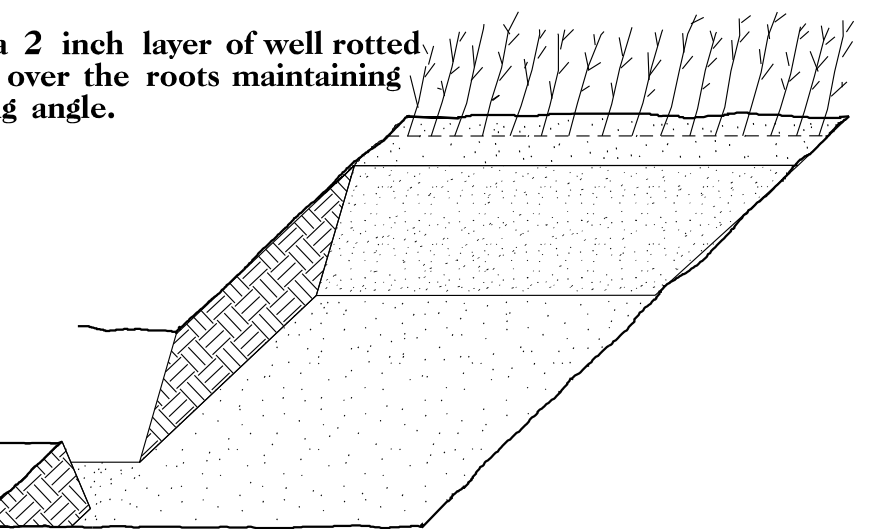
3. Jackfill the trench with 2 inches well rotted sawdust. Place a 2 inch layer of well rotted sawdust at a sloping angle at one end of the trench.



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

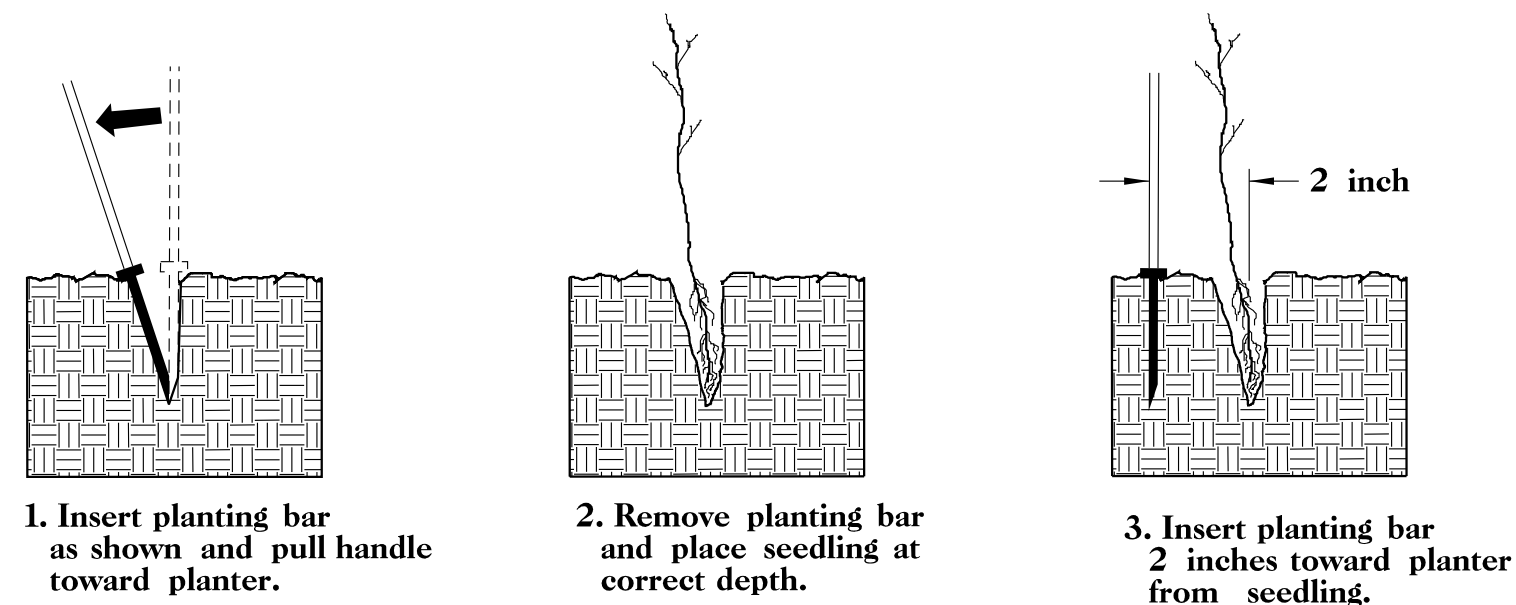


5. Place a 2 inch layer of well rotted sawdust over the roots maintaining a sloping angle.

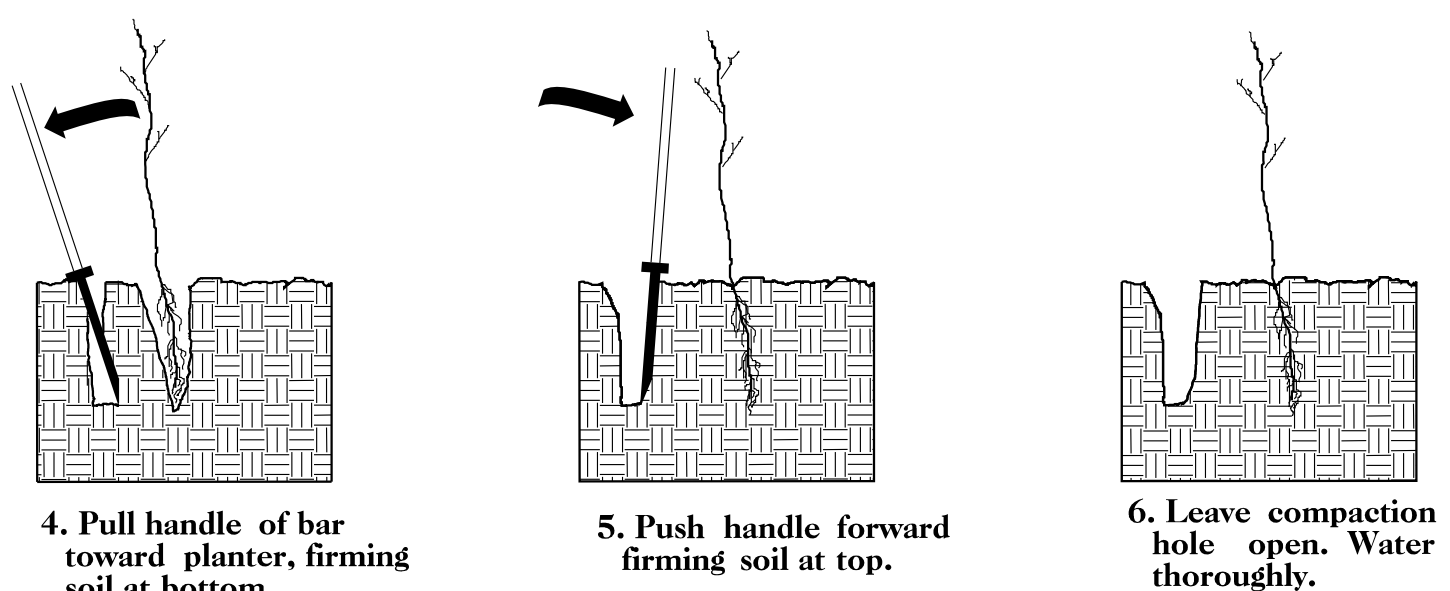


6. Repeat layers of plants and sawdust as necessary and water thoroughly.

DIBBLE PLANTING METHOD USING THE KBC PLANTING BAR



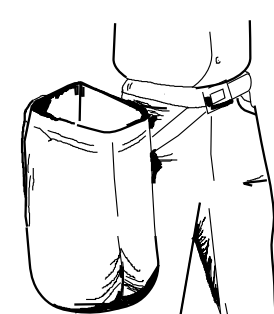
1. Insert planting bar as shown and pull handle toward planter.
2. Remove planting bar and place seedling at correct depth.
3. Insert planting bar 2 inches toward planter from seedling.



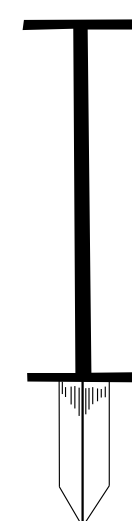
4. Pull handle of bar toward planter, firming soil at bottom.
5. Push handle forward firming soil at top.
6. Leave compaction hole open. Water thoroughly.

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

12/13/2004 1:25:39 PM
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12/4/17

PROJECT: B-6034

CONTRACT: DN01144

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

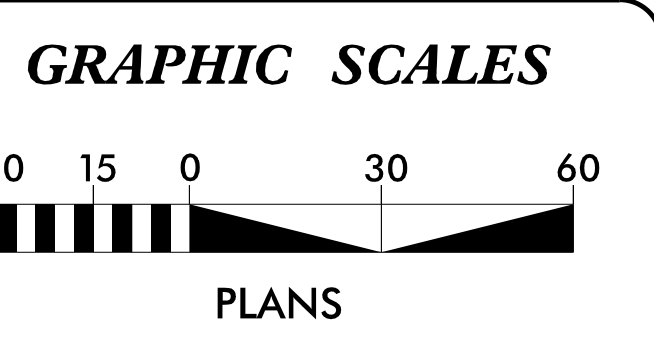
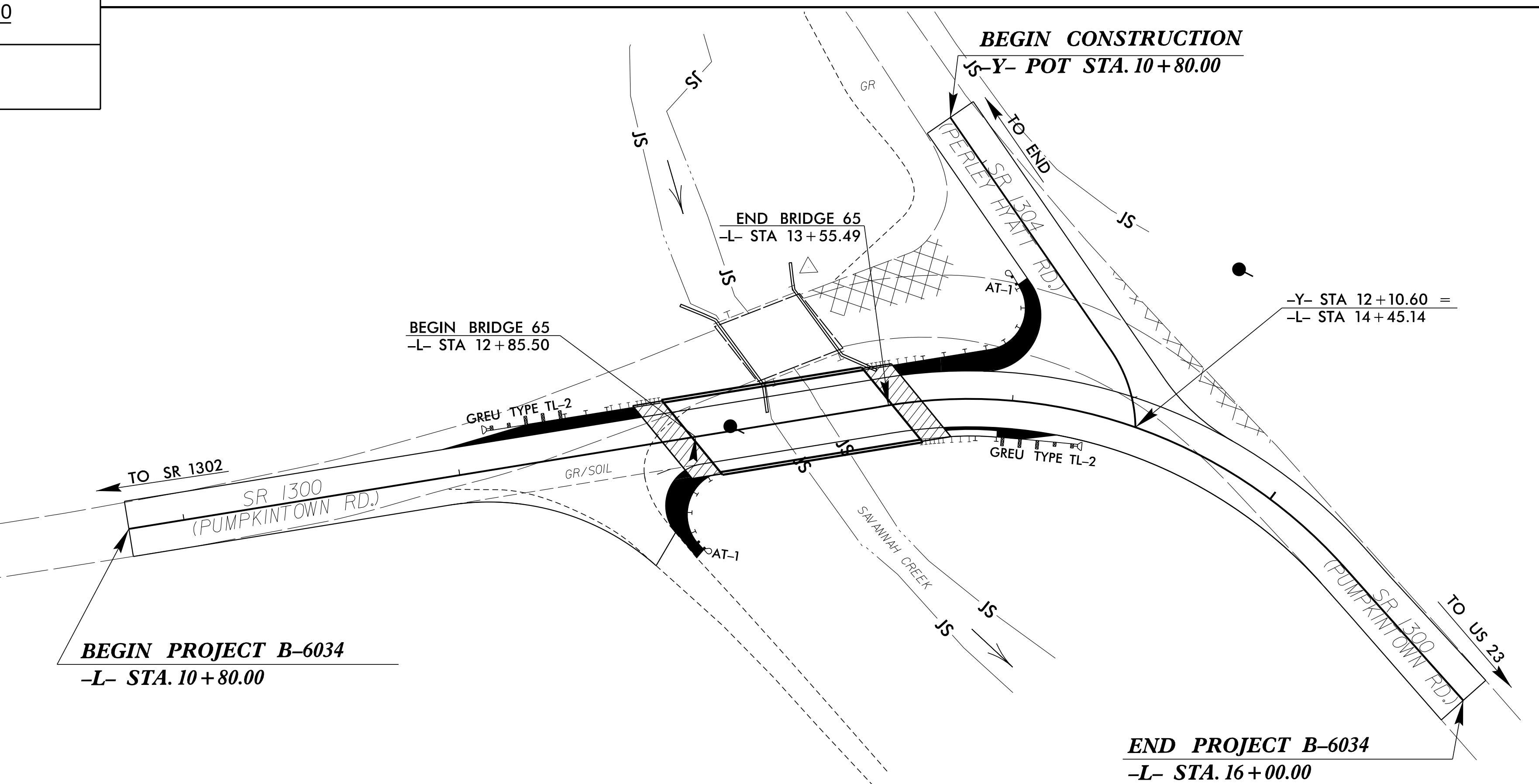
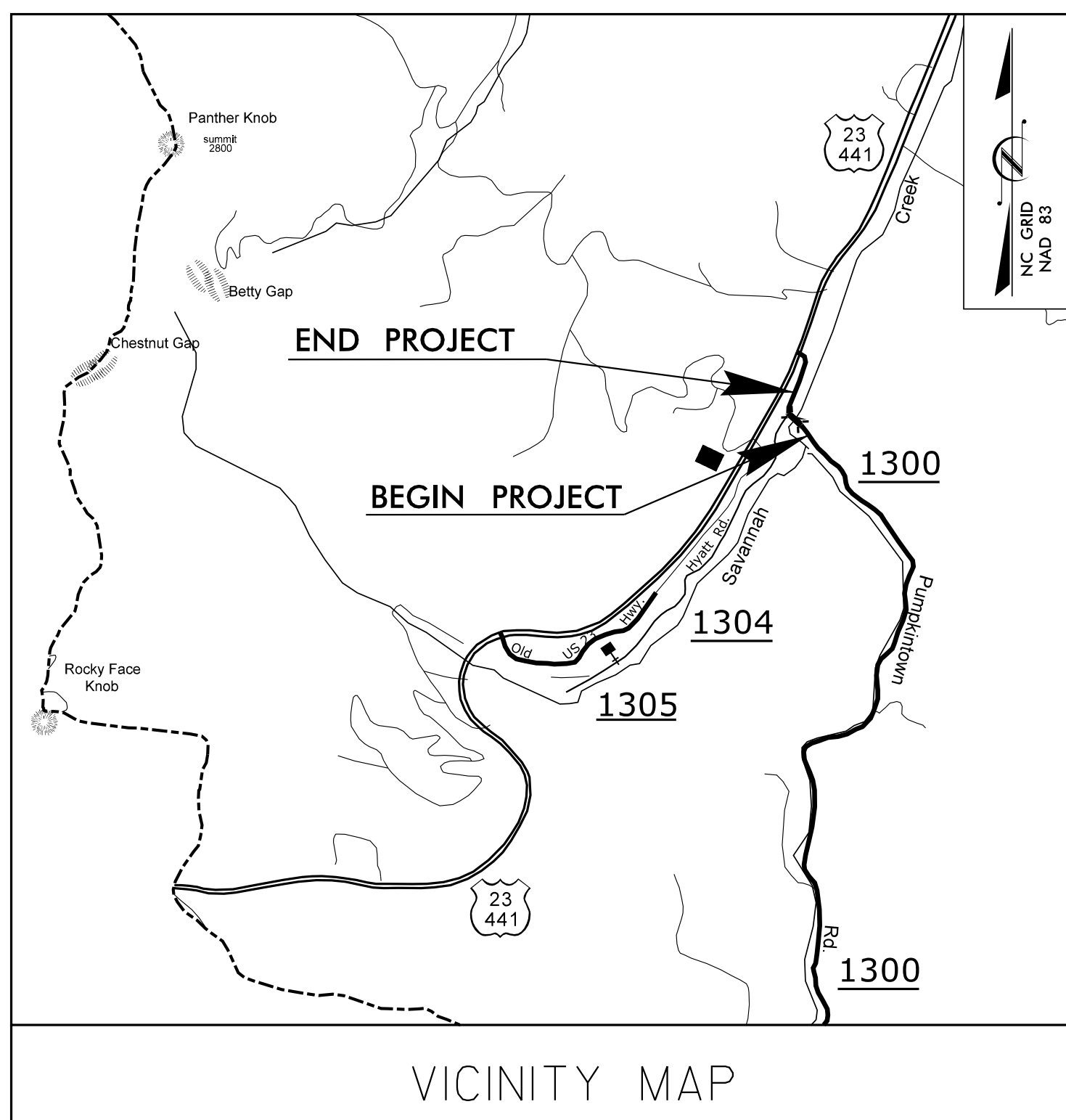
UTILITIES BY OTHERS JACKSON COUNTY

**LOCATION: BRIDGE NO. 49065 OVER SAVANNAH CREEK
ON SR 1300 (PUMPKINTOWN ROAD)**

**TYPE OF WORK: AERIAL POWER & BURIED TELEPHONE
& CABLE TV**

PROJECT REFERENCE NO.	SHEET NO.
B-6034	UO-1

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

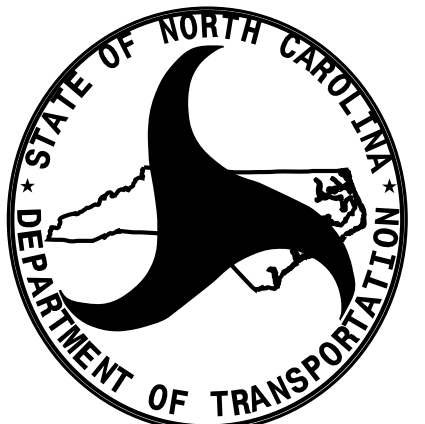


INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2	UTILITIES BY OTHERS PLAN SHEET

- UTILITY OWNERS ON PROJECT**
- (1) POWER - DUKE ENERGY
 - (2) TELEPHONE - FRONTIER COMM.
 - (3) FIBER COMMUNICATIONS - OPTIMUM
 - (4) FIBER COMMUNICATIONS - SPECTRUM

PLANS PREPARED BY:

JMT
Prepared in the Office of:
JOHNSON, MIRAMIRAN, & THOMPSON, INC.
1315-F Patton Ave.
Asheville, NC 28806



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 14 UTILITY ENGINEER
James R. Montgomery UTILITIES PROJECT COORDINATOR

V&M PROJECT #31631-05
TRANSPORTATION\31631-05\UTILITIES\UO-1.DGN

12/4/17

PROJECT: B-6034

CONTRACT: DN01144

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

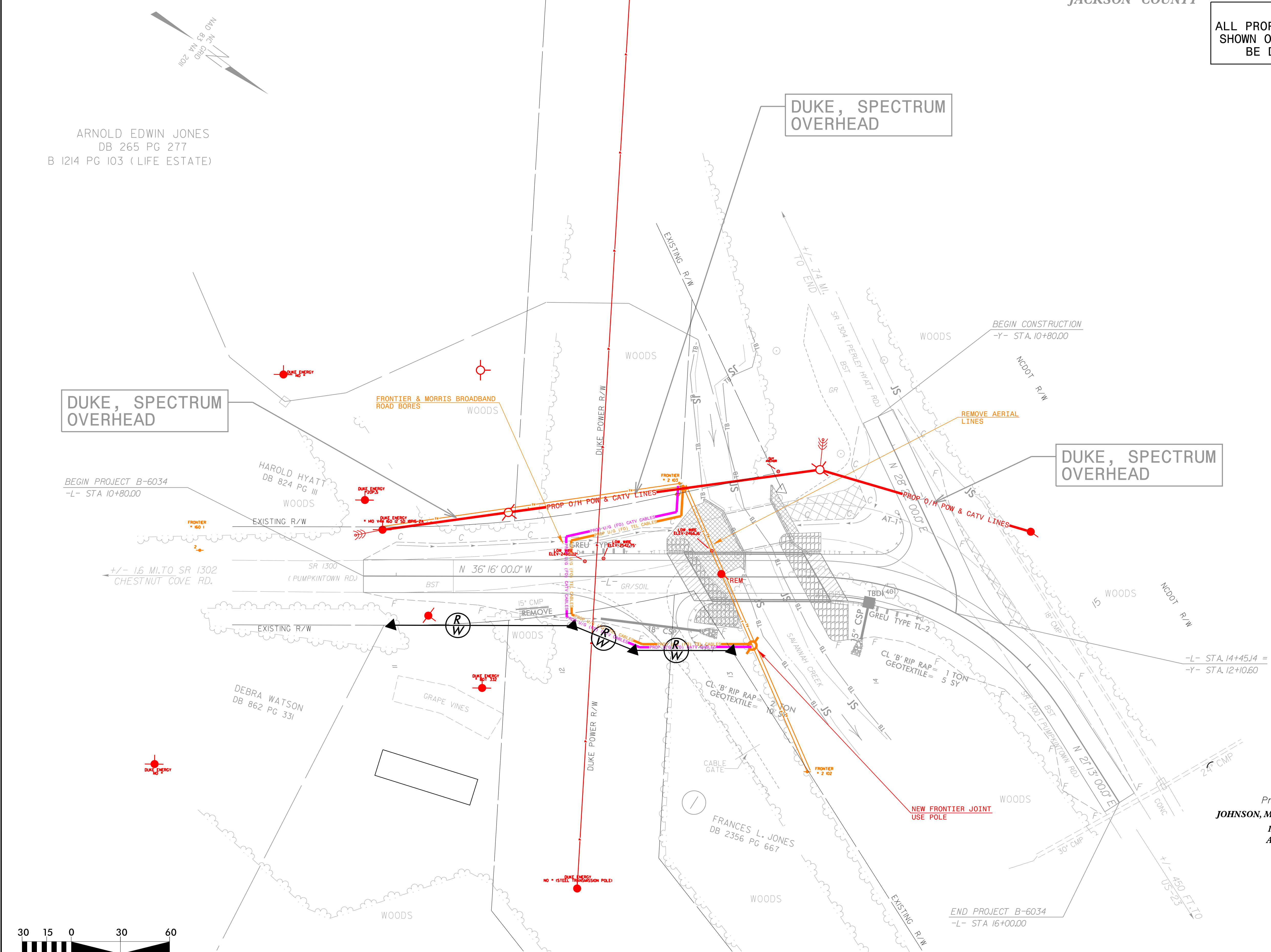
PROJECT REFERENCE NO. B-6034	SHEET NO. U0-2
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**STRUCTURE 490065
JACKSON COUNTY**

UTILITIES BY OTHERS

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

ARNOLD EDWIN JONES
DB 265 PG 277
B 1214 PG 103 (LIFE ESTATE)



V&M PROJECT #31631-05
TRANSPORTATION\31631-05 UTILITIES\JACKSON_65_U0-2.DGN

JMT
Prepared in the Office of:
JOHNSON, MIRMIRAN, & THOMPSON, INC.
1318-F Patton Ave.
Asheville, NC 28806