

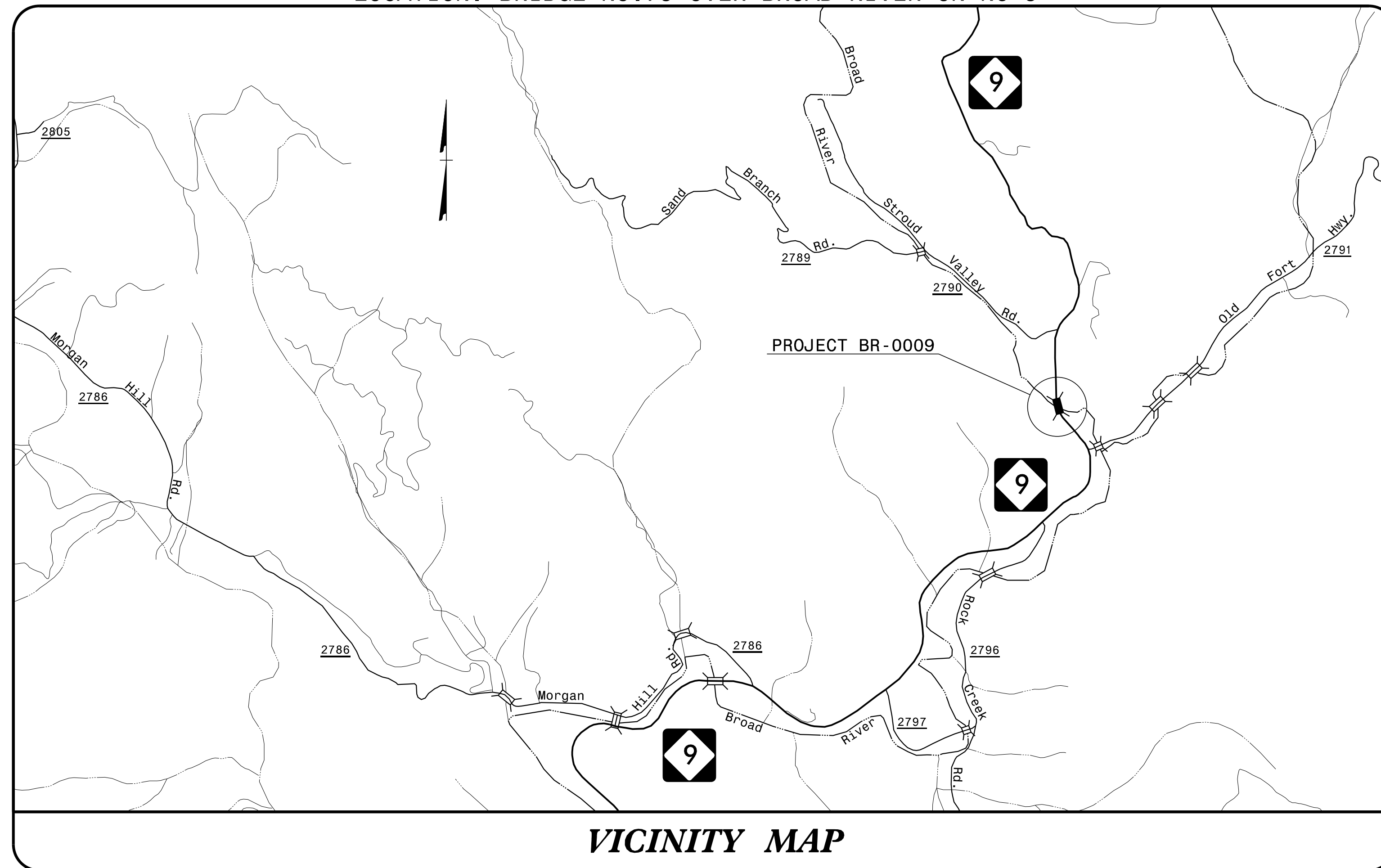
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**BUNCOMBE COUNTY**



LOCATION: BRIDGE NO.79 OVER BROAD RIVER ON NC 9



**VICINITY MAP**

**INDEX OF SHEETS**

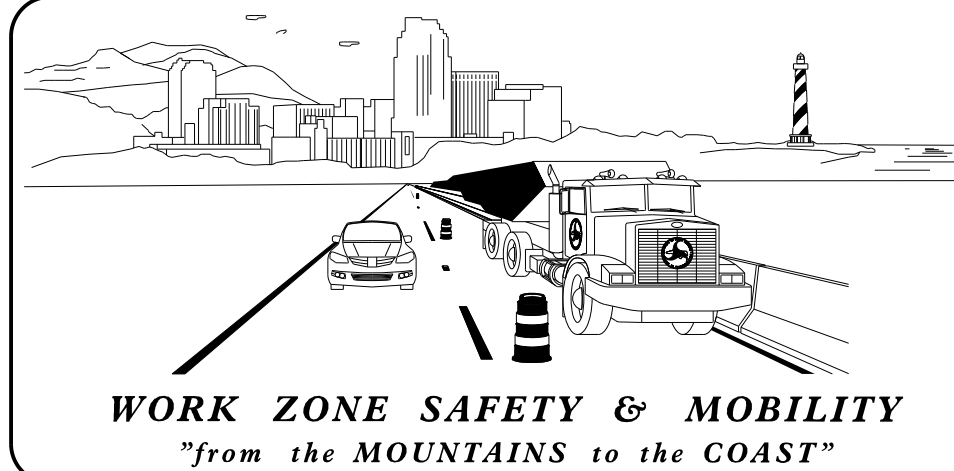
SHEET NO.	TITLE
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKINGS
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (GENERAL NOTES AND PHASING)
TMP-2	TEMPORARY SHORING NOTES
TMP-3	PHASE I DETAILS
TMP-4	PHASE II DETAILS
TMP-5	PHASE III DETAILS

SHEET NO.  
TMP-1

**BR-0009**

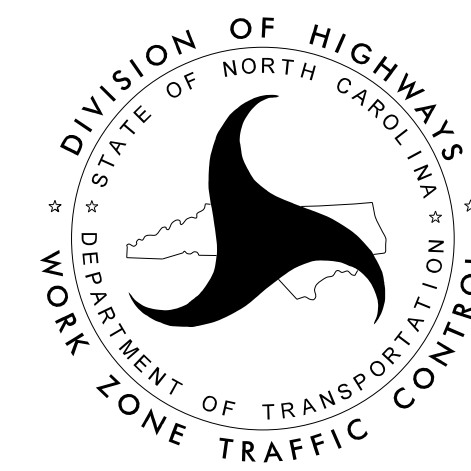
**PROJECT:**

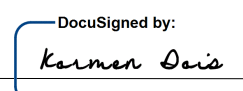
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



**PLANS PREPARED BY:**  
 D. A. PARKER, P.E.  
 TRAFFIC CONTROL PROJECT ENGINEER  
 K. E. DAIS, P.E.  
 TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
 S. B. COATS  
 TRAFFIC CONTROL DESIGN ENGINEER

**NCDOT CONTACTS:**  
 D. A. PARKER, P.E.  
 PROJECT ENGINEER  
 K. E. DAIS, P.E.  
 PROJECT DESIGN ENGINEER



APPROVED:   
 DATE: 3/17/2020

SEAL



# 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 2018 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
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
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
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMP
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

# 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
- (PTS) PORT
- (DS) PORT

## PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

## TEMPORARY PAVEMENT MARKING

- P1 - WHITE EDGELINE (PAINT) - 4"
- P4 - WHITE MINISKIP (PAINT) - 4"
- P13 - YELLOW DOUBLE CENTER (PAINT) - 4"
- P61 - WHITE STOP BAR (PAINT) - 24"

## 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

2/24/2020 Z:\Projects\Store\NSPro\Special\BR0009\TrafficControl\TCP\BR0009\_TC\_GEN\_TMP01A.dgn User:scodts

APPROVED: <small>DocuSigned by: Kamen Dis 598D97024696449...</small> DATE: 3/17/2020		
<b>ROADWAY STANDARD DRAWINGS &amp; LEGEND</b>		
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>		



## 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 UNDESIRABLE 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 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 THIRTY (30) 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 TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

### PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
NC 9 (-L-)	PAINT	N/A
NC 9 (-DET-)	PAINT	N/A

- 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.
- Q) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS SHOWN IN FINAL PAVEMENT MARKING PLAN.

## PHASING

NOTE: BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL PLACE ADVANCE WORK ZONE WARNING SIGNS ALONG -L- LINE (NC 9), (SEE RSD 1101.01, SHEET 3 OF 3)

NOTE: IF NECESSARY, USE RSD 1101.06 (SHEET 1 OF 1) FOR PLACEMENT OF ADVANCE WARNING SIGNS FOR BLASTING ZONES

### PHASE I

- STEP 1. USING RSD NO. 1101.02 (SHEET 1 OF 14), CONSTRUCT -DET- LINE, INCLUDING DETOUR BRIDGE, GUARDRAIL, AND SHORING, UP TO EXISTING EDGE OF PAVEMENT ELEVATIONS AS FOLLOWS (SEE TMP-3):  
 - STA. 10+00+/- -DET- TO STA. 16+43+/- -DET-
- STEP 2. USING RSD NO. 1101.02 (SHEET 1 OF 14), PLACE TEMPORARY PAVEMENT MARKINGS AS FOLLOWS (SEE TMP-4):  
 - STA. 9+00+/- -L- TO STA. 15+75+/- -L-  
 - PLACE TEMPORARY SIGNAL SIGNAGE AND TEMPORARY PORTABLE SIGNALS AND ACTIVATE (SEE TMP-4).  
 - SHIFT TRAFFIC FROM A TWO-LANE, TWO WAY PATTERN TO A ONE-LANE, TWO WAY PATTERN ON NC 9 AS SHOWN ON TMP-4.

### PHASE II


- STEP 1. AWAY FROM TRAFFIC, REMOVE EXISTING BRIDGE AND CONSTRUCT PROPOSED BRIDGE, INCLUDING APPROACHES, SHORING, DRAINAGE, AND GUARDRAIL, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS AND TMP-4):  
 - STA. 12+00+/- -L- TO STA. 14+00+/- -L-  
 - AWAY FROM TRAFFIC, WIDEN -L- UP TO EXISTING EDGE OF PAVEMENT ELEVATIONS AS FOLLOWS (SEE CONSTRUCTION PLANS AND TMP-4):  
 - STA. 10+00+/- -L- TO STA. 12+00+/- -L- (RIGHT)  
 - STA. 14+00+/- -L- TO STA. 16+23+/- -L- (RIGHT)  
 - DRIVEWAYS (RIGHT)  
 - STA. 14+00+/- -L- TO STA. 14+20+/- -L- (LEFT)
- STEP 2. USING RSD NO. 1101.02 (SHEET 1 OF 14), PAVE UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-4):  
 - STA. 10+00+/- -L- TO STA. 12+00+/- -L- (RIGHT)  
 - STA. 14+00+/- -L- TO STA. 16+23+/- -L- (RIGHT)  
 - USING RSD NO. 1101.02 (SHEET 1 OF 14), PLACE TEMPORARY PAVEMENT MARKINGS AS FOLLOWS (SEE TMP-5):  
 - STA. 9+00+/- -L- TO STA. 16+23+/- -L-  
 - REMOVE TEMPORARY SIGNAL SIGNAGE AND TEMPORARY PORTABLE SIGNALS.  
 - SHIFT TRAFFIC FROM A ONE-LANE, TWO WAY PATTERN TO A TWO-LANE, TWO WAY PATTERN ON NC 9 AS SHOWN ON TMP-5.

### PHASE III

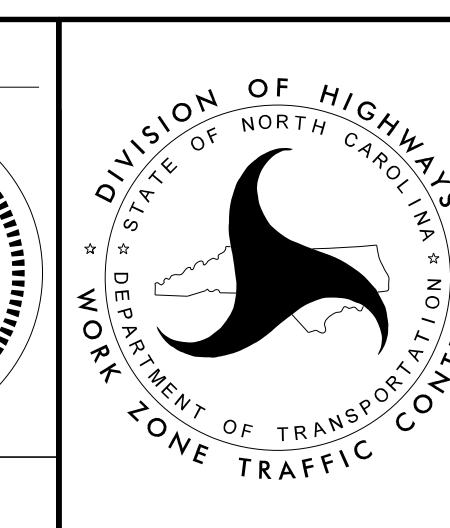
- STEP 1. USING RSD NO. 1101.02 (SHEET 1 OF 14), CONSTRUCT PAVED SHOULDERS UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-5):  
 - STA. 10+00+/- -L- TO STA. 12+15+/- -L- (LEFT)  
 - STA. 14+20+/- -L- TO STA. 16+23+/- -L- (LEFT)  
 - GRAVEL DRIVE (LEFT)  
 - REMOVE DETOUR BRIDGE (SEE TMP-5).  
 - REMOVE PAVEMENT AS SHOWN ON TMP-5.
- STEP 2. USING RSD NO. 1101.02 (SHEET 1 OF 14), PAVE THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS:  
 - STA. 10+00+/- -L- TO STA. 16+23+/- -L-
- STEP 3. USING RSD NO. 1101.02 (SHEET 1 OF 14), PLACE FINAL PAVEMENT MARKINGS FOR -L- LINE (SEE FINAL PAVEMENT MARKING PLANS).
- STEP 4. REMOVE ALL TRAFFIC CONTROL DEVICES AND SIGNAGE.

APPROVED: *Kerman Davis*  
DocuSigned by:  
Kerman Davis  
598097024998449

DATE: 3/17/2020



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



## TRANSPORTATION OPERATIONS PLAN

**TEMPORARY SHORING NOTES**

**SHORING LOCATION NO. 1**

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION. TEMPORARY SHORING IS REQUIRED FOR THE DETOUR CONSTRUCTION FROM STATION 13+38+/- -L-, 22' LT., TO STATION 13+53+/- -L-, 22' LT.

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 FROM STATION 13+38+/- -L-, 22' LT., TO STATION 13+53+/- -L-, 22' LT., FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION ( $c$ ) = 0 LB/SF  
 GROUNDWATER ELEVATION = 2180 FT

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 13+38+/- -L-, 22' LT., TO STATION 13+53+/- -L-, 22' LT. MAY NOT PENETRATE BELOW ELEVATION 2166 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION 13+38+/- -L-, 22' LT., TO STATION 13+53+/- -L-, 22' LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

**SHORING LOCATION NO. 2**

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION. TEMPORARY SHORING IS REQUIRED FOR THE END BENT INSTALLATION FROM STATION 12+62+/- -L-, 21' LT., TO STATION 12+77+/- -L-, 21' LT.

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 FROM STATION 12+62+/- -L-, 21' LT., TO STATION 12+77+/- -L-, 21' LT., FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION ( $c$ ) = 0 LB/SF  
 GROUNDWATER ELEVATION = 2182 FT

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 12+62+/- -L-, 21' LT., TO STATION 12+77+/- -L-, 21' LT. MAY NOT PENETRATE BELOW ELEVATION 2175 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.


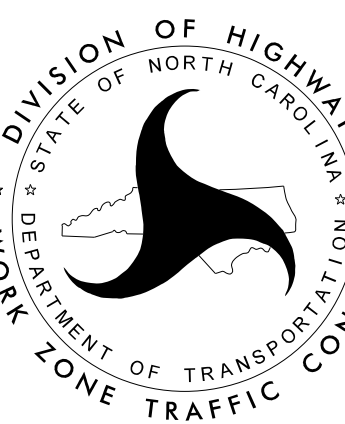
DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION 12+62+/- -L-, 21' LT., TO STATION 12+77+/- -L-, 21' LT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 12+62+/- -L-, 21' LT., TO STATION 12+77+/- -L-, 21' LT. SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

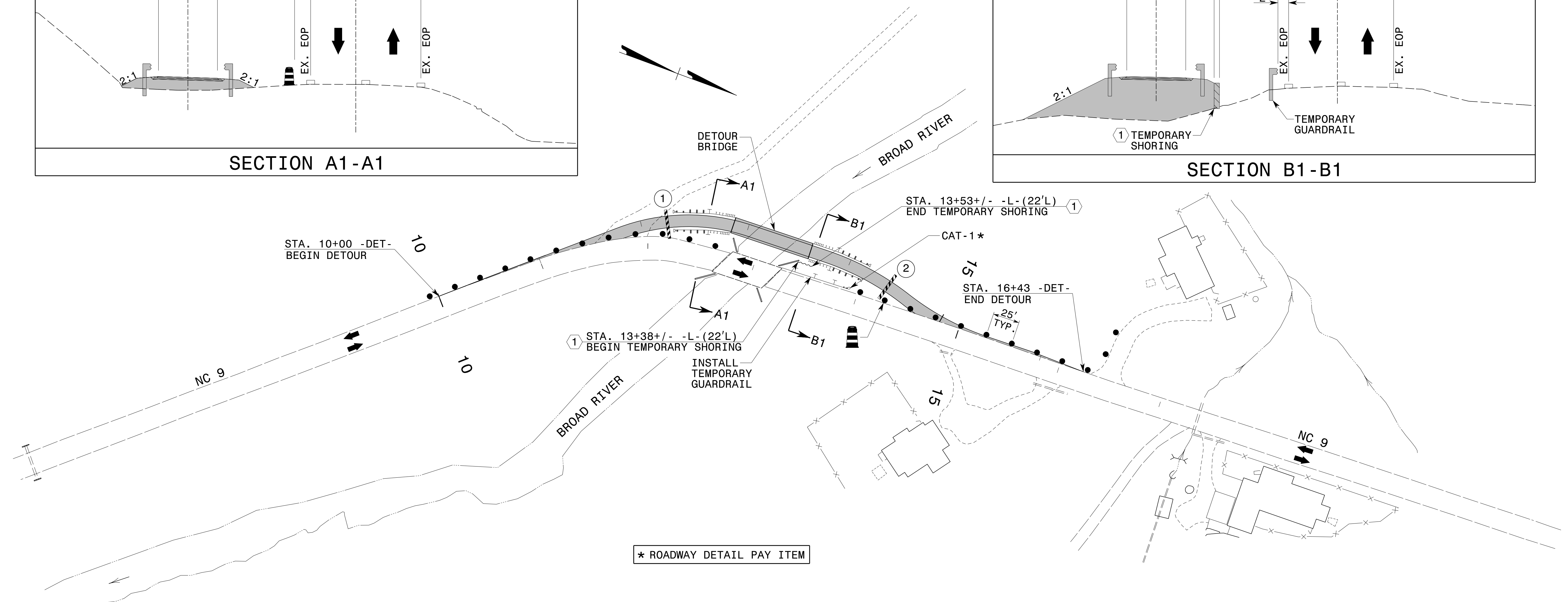
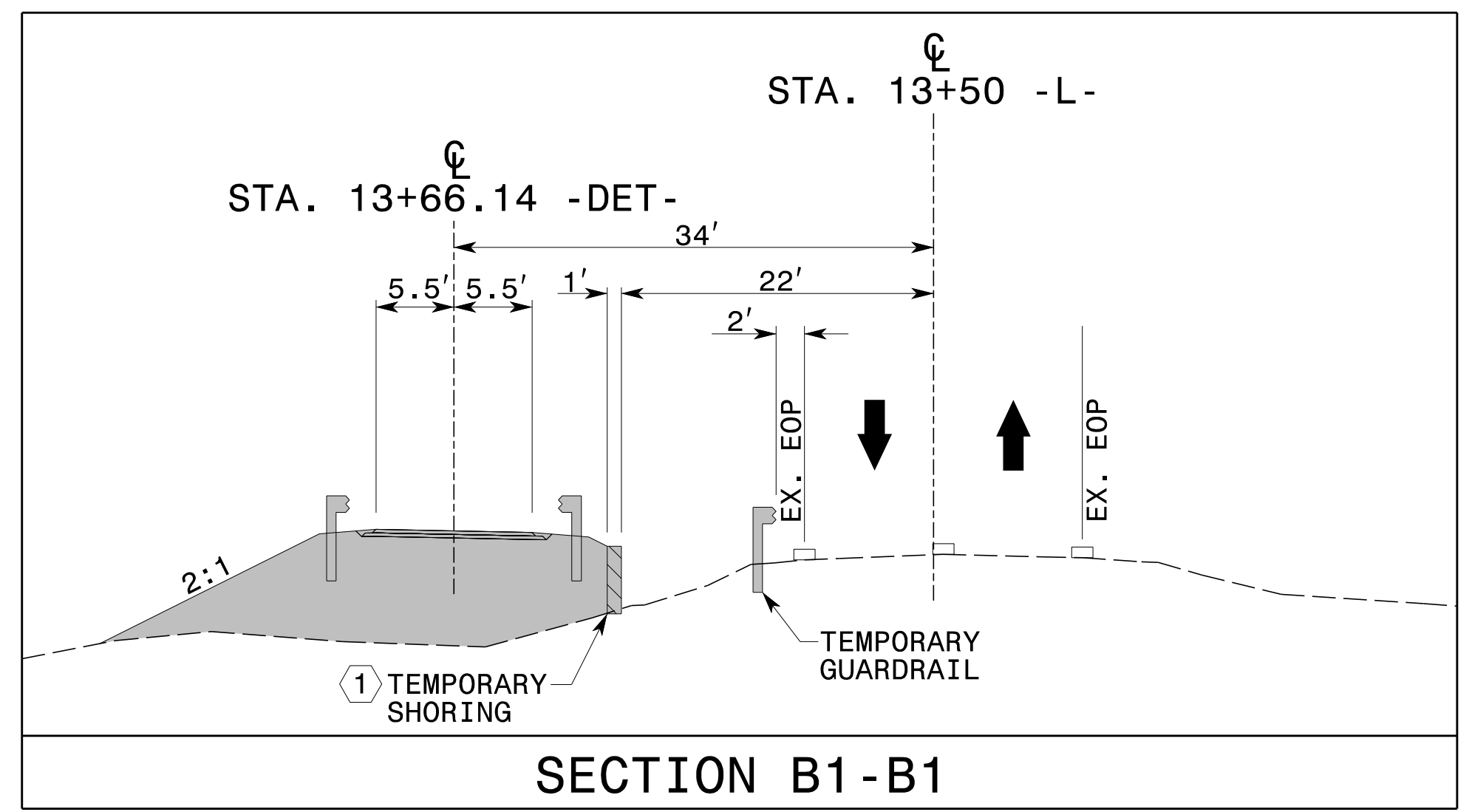
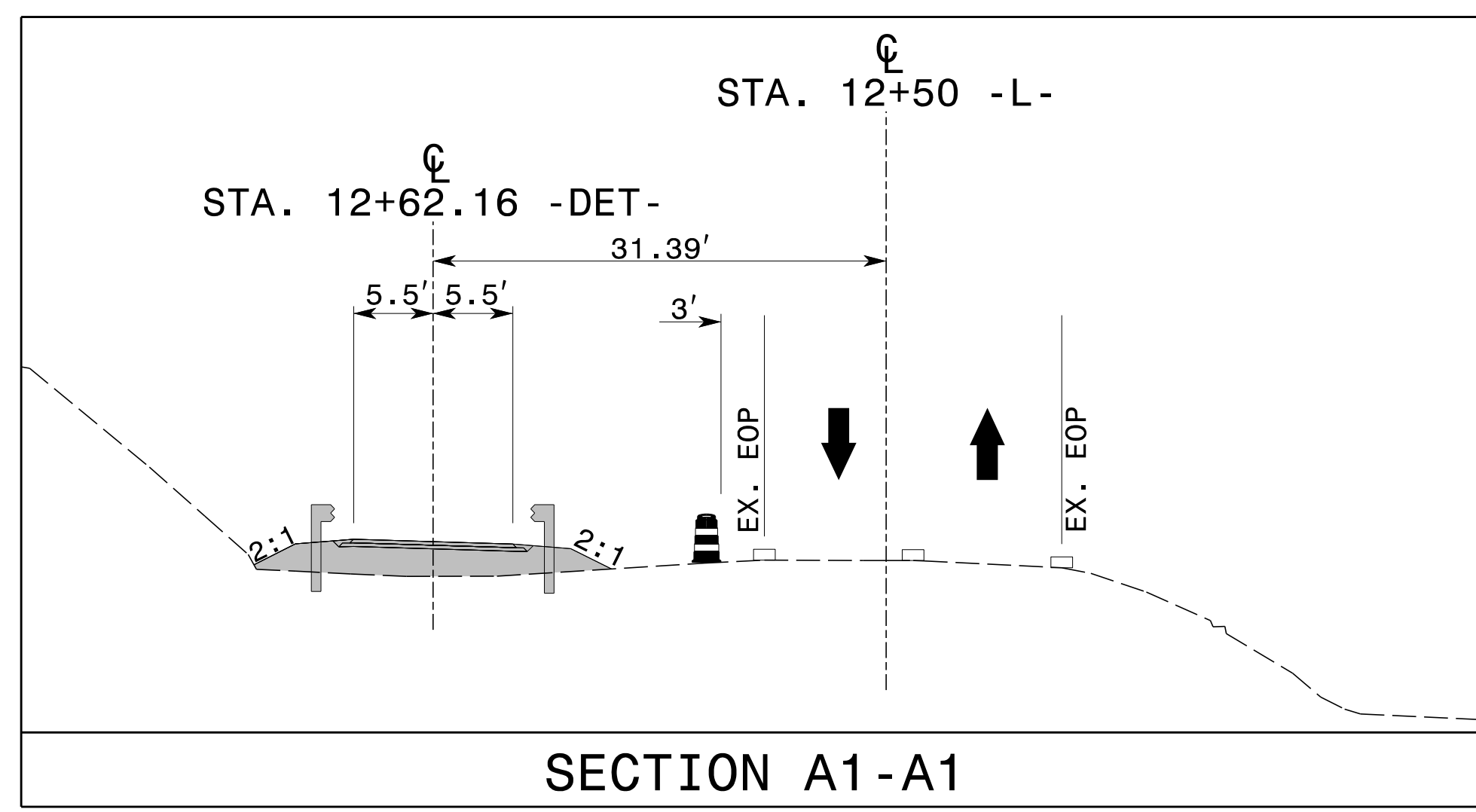
IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION 12+62+/- -L-, 21' LT., TO STATION 12+77+/- -L-, 21' LT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

SHORING LOCATION NO.	BEGIN STATION AND OFFSET	END STATION AND OFFSET	ESTIMATED AVERAGE HEIGHT	ESTIMATED MAXIMUM HEIGHT	SHORING LOCATION TYPE
NO. 1	STA. 13+38+/- -L- 22 FT. LT.	STA. 13+53+/- -L- 22 FT. LT.	4.5 FT.	6.0 FT.	ROADWAY
NO. 2	STA. 12+62+/- -L- 21 FT. LT.	STA. 12+77+/- -L- 21 FT. LT.	5.5 FT.	7.0 FT.	STRUCTURE

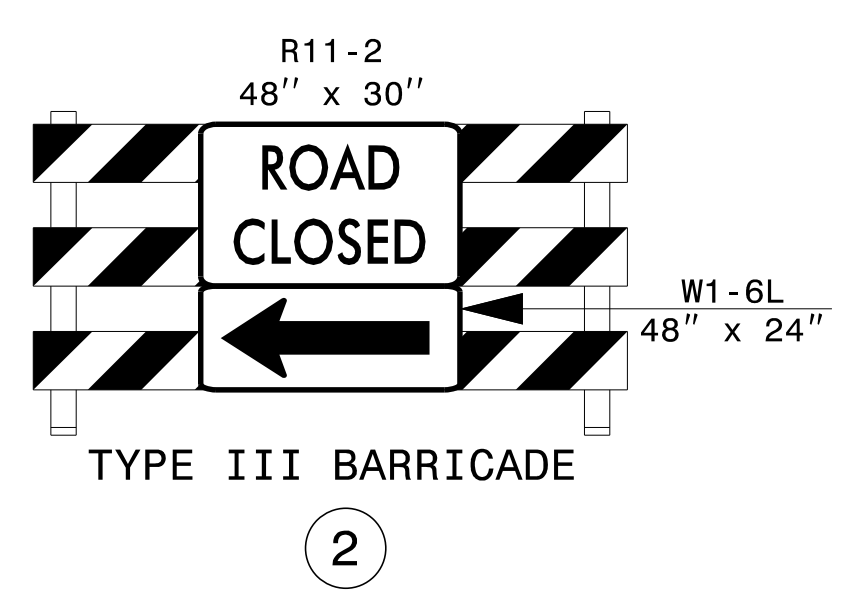
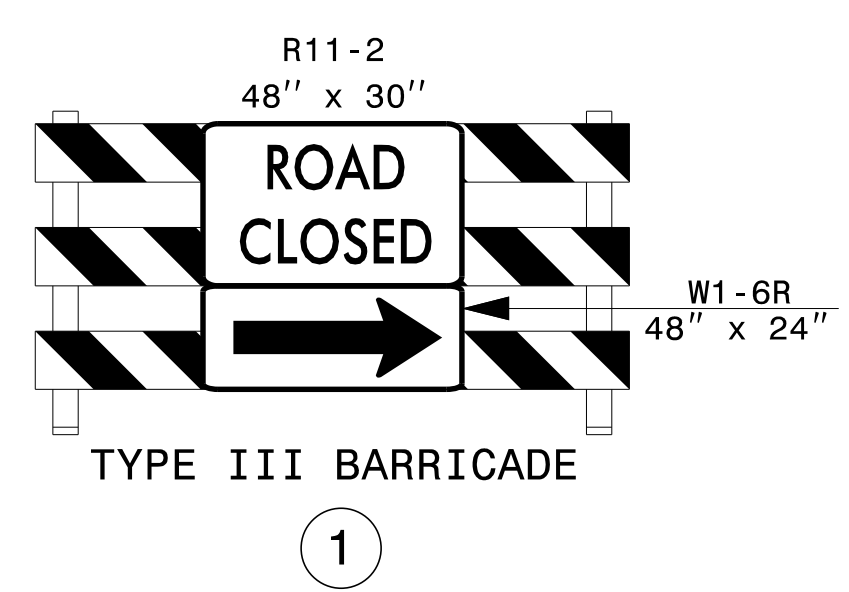
2/24/2020  
 Z:\Projects\Store\NSProj\Special\BR0009\TrafficControl\TCP\BR0009\_TC\_GEN\_TMP02.dgn  
 User:scodts

<p>APPROVED: <i>Shiping Yang</i>  <small>DocuSigned by:                  0000EE5EA6E4D4</small></p> <p>DATE: 3/17/2020</p> 		<p align="center"><b>TEMPORARY SHORING NOTES</b></p>
<p align="center"><b>DOCUMENT NOT CONSIDERED FINAL                  UNLESS ALL SIGNATURES COMPLETED</b></p>		





\* ROADWAY DETAIL PAY ITEM



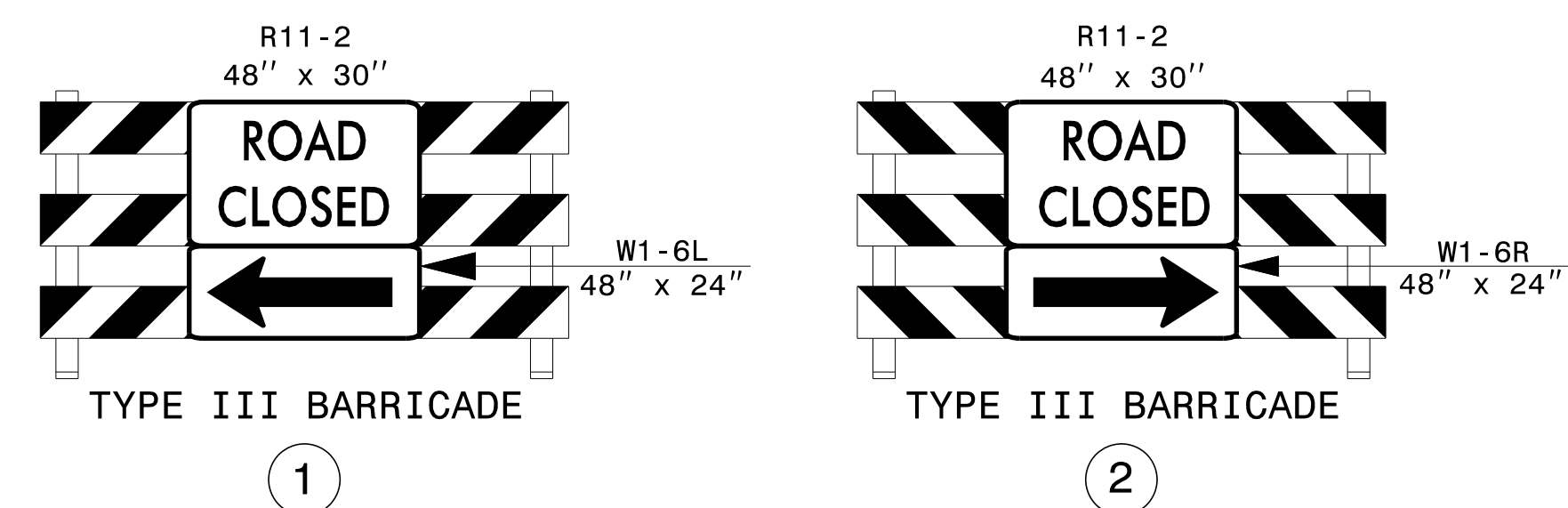
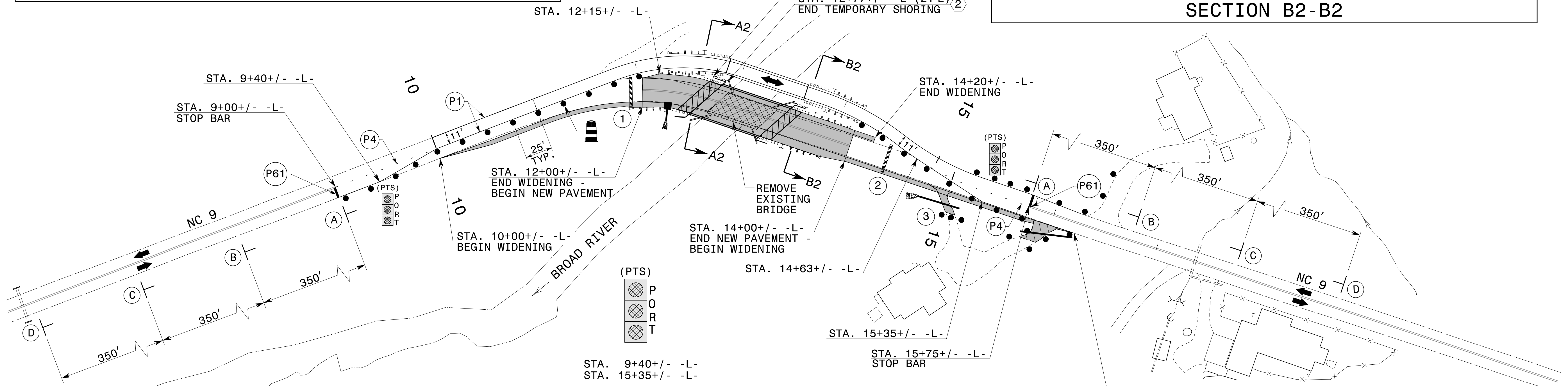
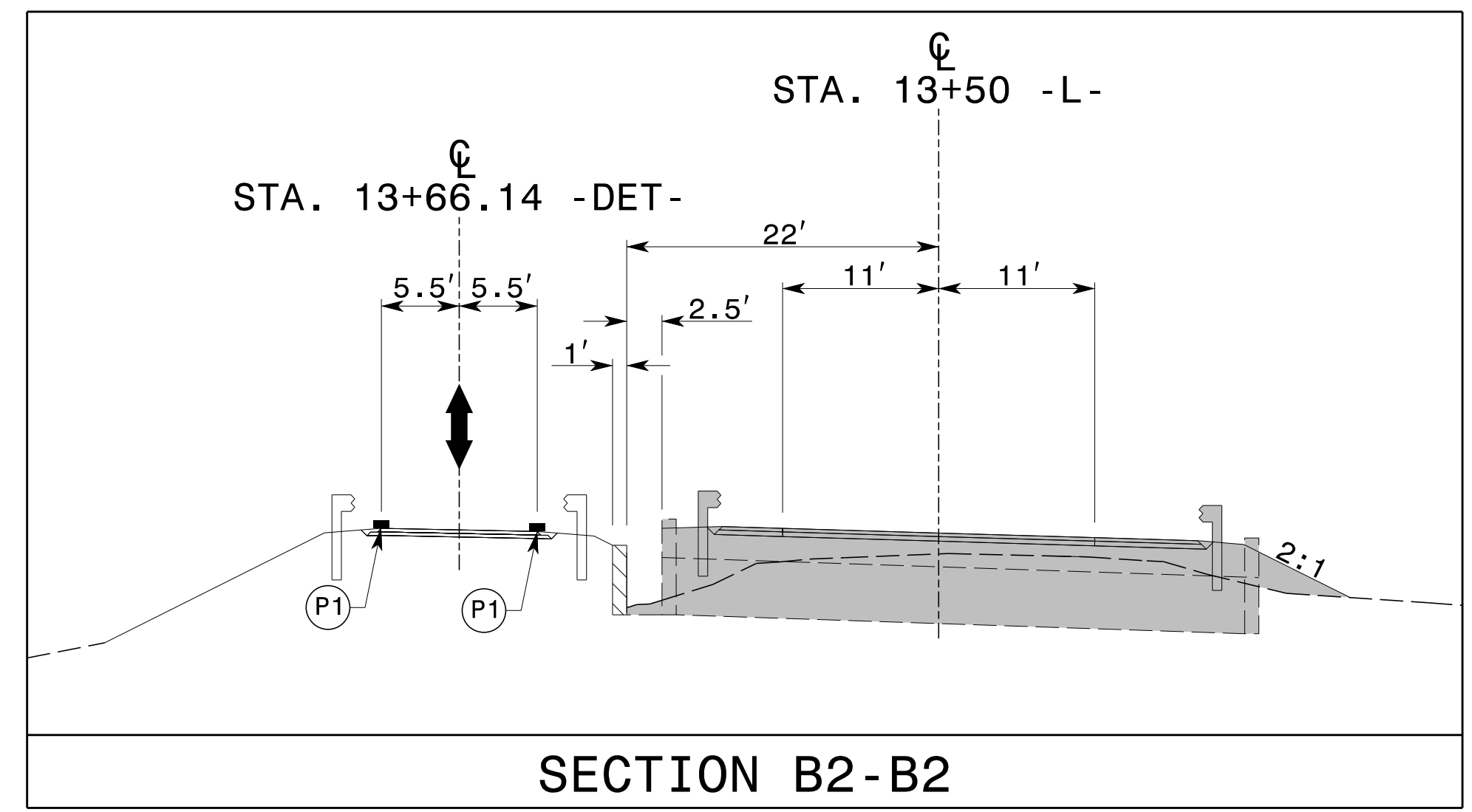
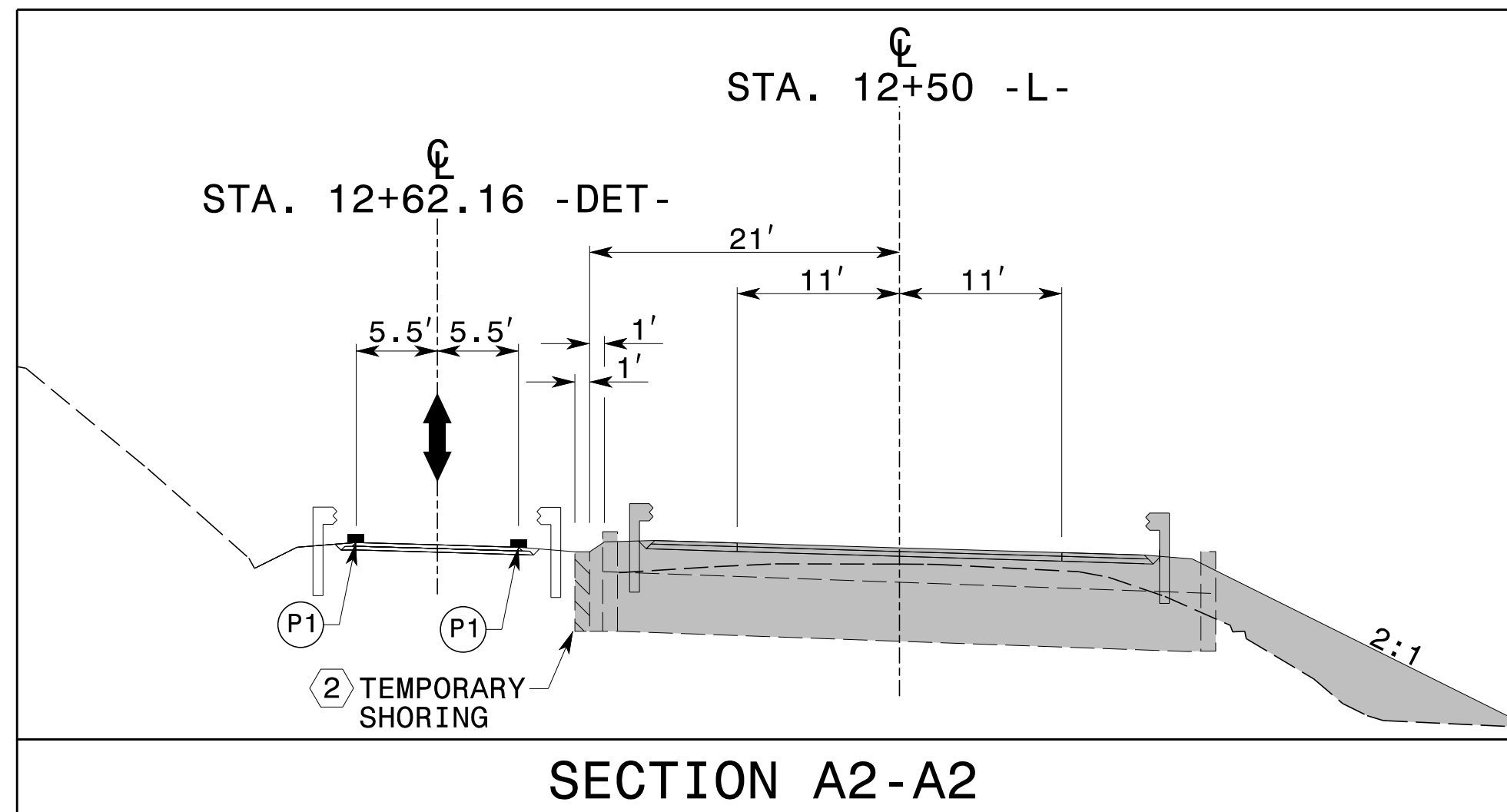
Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
①	4.5 FT.	68 SQ. FT.

APPROVED: *Karen Davis*  
 DATE: 3/17/2020

PHASE I DETAILS

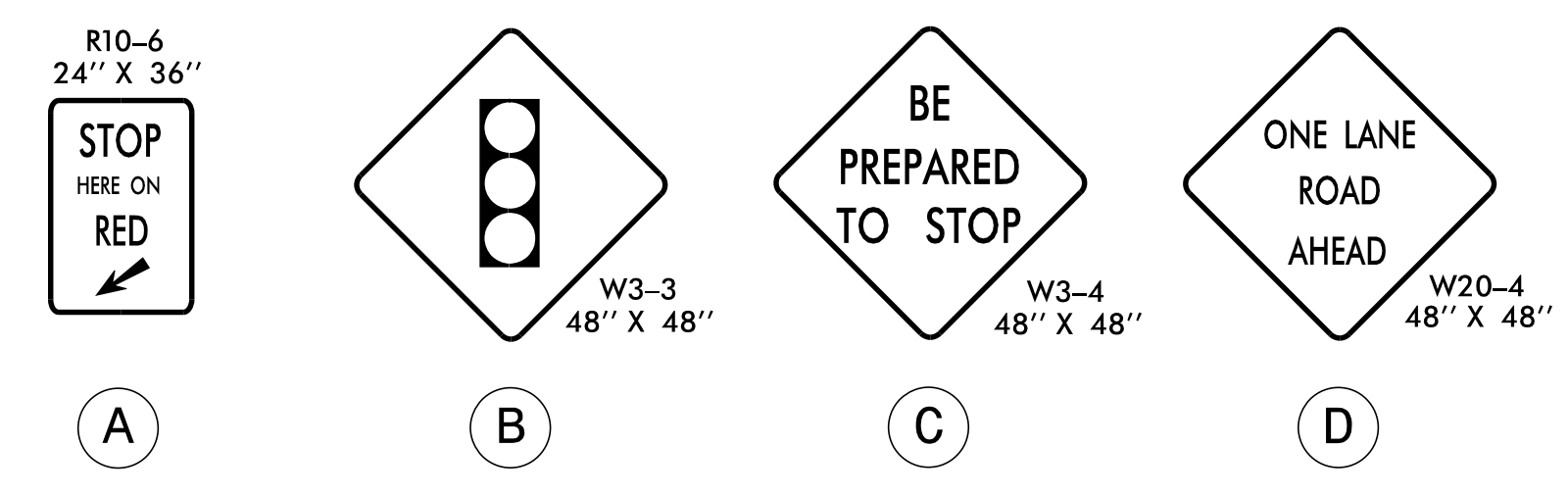
DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

2/24/2020  
 Z:\Projects\Store\NSPro\Special\BR0009\TrafficControl\TCP\BR0009\_TC\_PHL\_TMP03.dgn  
 User:scott.s



TEMPORARY PAVEMENT MARKING LEGEND	
P1	- PAINT - WHITE EDGELINE - (4")
P4	- PAINT - WHITE MINISKIP - (4")
P61	- PAINT - WHITE STOP BAR - (24")

REFER TO RSD NOS. 1205.01 AND 1205.02, FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS UNLESS NOTED OTHERWISE.



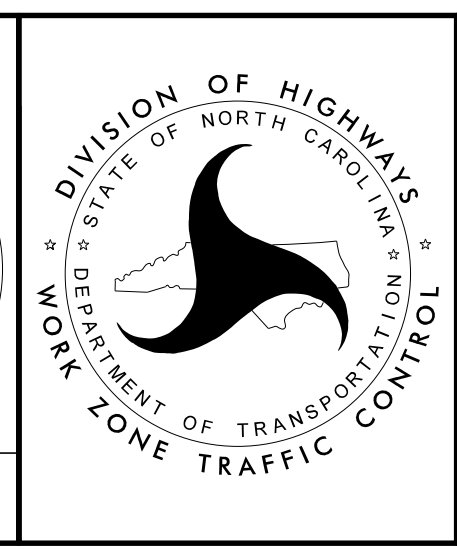
Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
2	5.5 FT.	83 SQ. FT.

APPROVED: *Karen Davis*  
 DATE: 3/17/2020

DocuSigned by:  
 Karen Davis  
 596D97024995449

SEAL  
 046203  
 ENGINEER  
 KAREN E. DAVIS

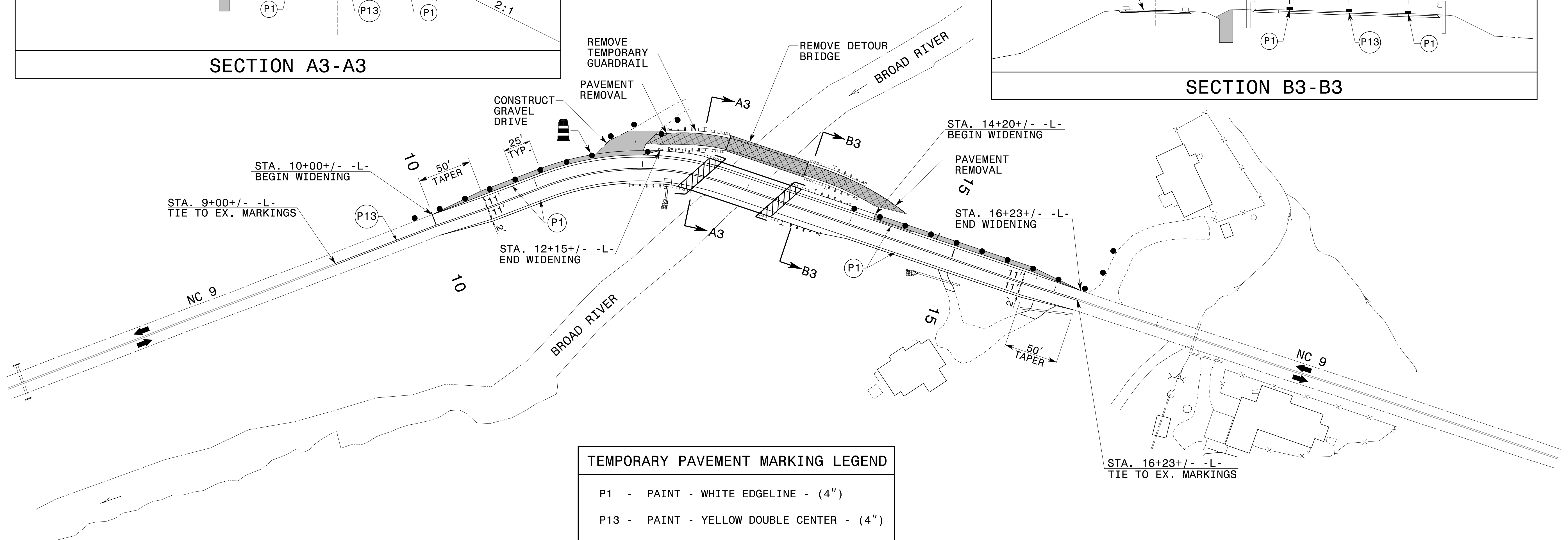
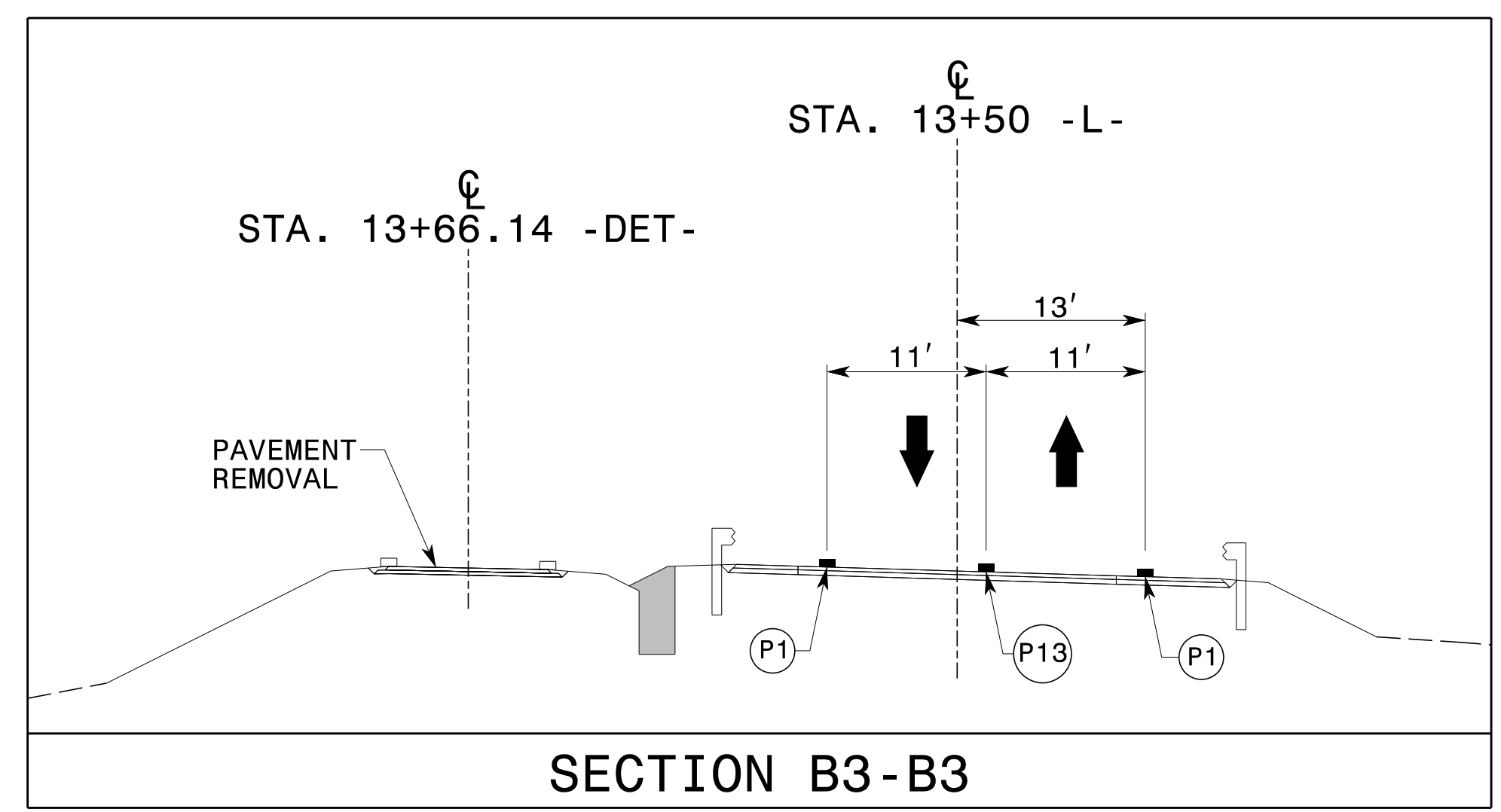
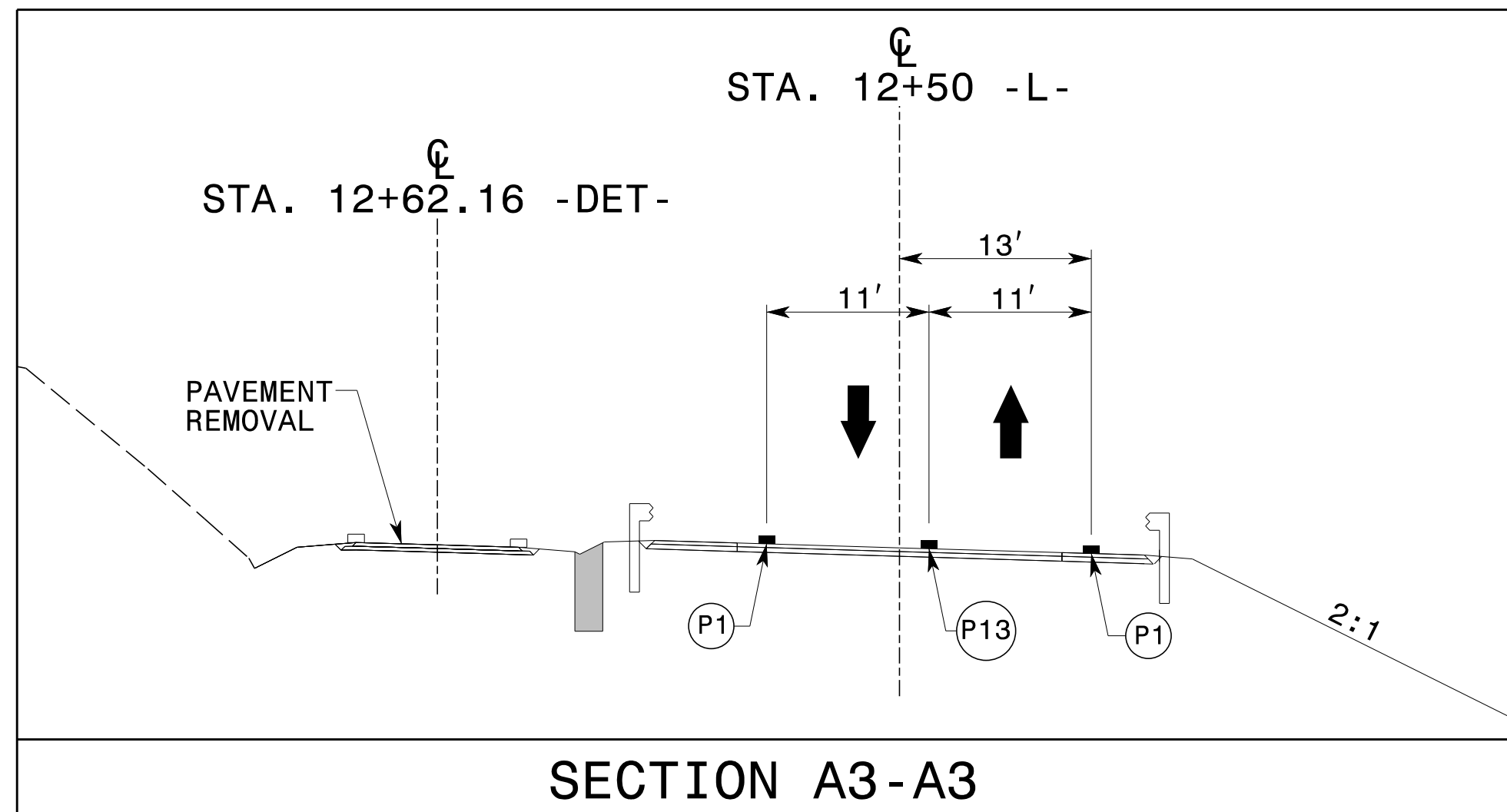
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PHASE II DETAILS

2/24/2020  
 Z:\Projects\Store\_NSP\Special\BR0009\TrafficControl\TC\_Ph2\_TMP04.dgn  
 User:scodts





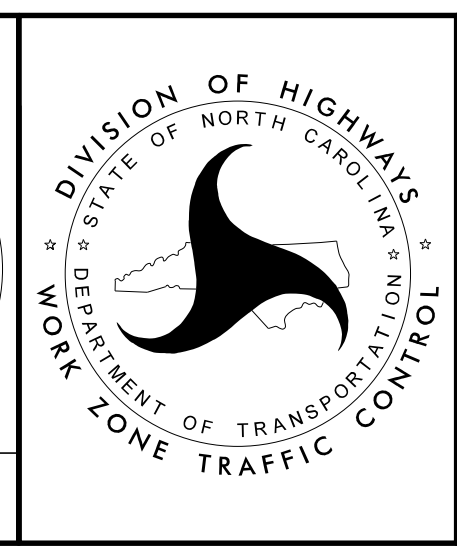
TEMPORARY PAVEMENT MARKING LEGEND	
P1	- PAINT - WHITE EDGELINE - (4")
P13	- PAINT - YELLOW DOUBLE CENTER - (4")

REFER TO RSD NOS. 1205.01 AND 1205.02, FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS UNLESS NOTED OTHERWISE.

2/24/2020 Z:\Projects\Store\NSPro\Special\BR0009\TrafficControl\TrafficControl\TC\_Ph3\_TMP05.dgn User:scodts

APPROVED: *Kerman Davis*  
 DATE: 3/17/2020

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



**PHASE III DETAILS**