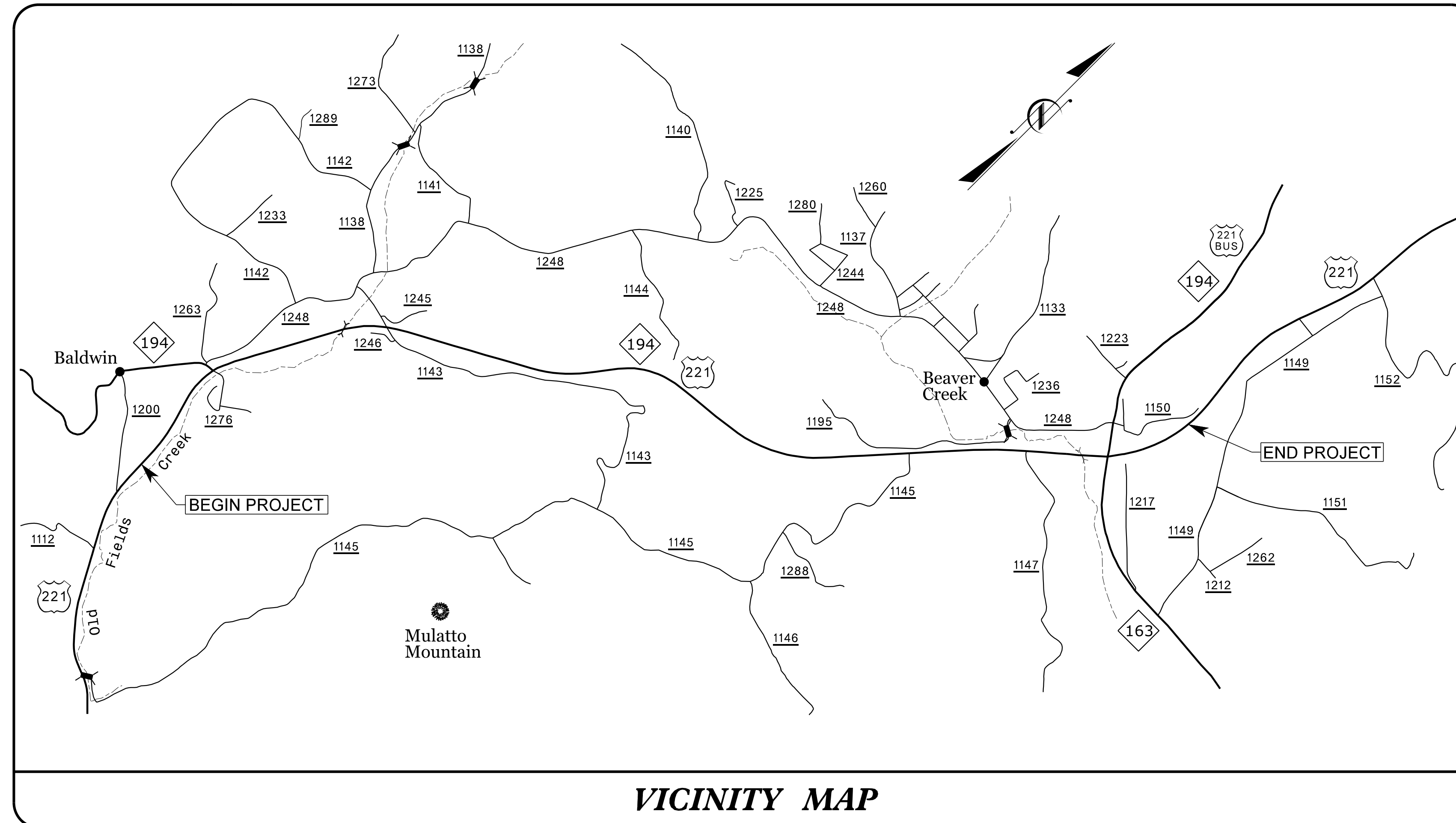
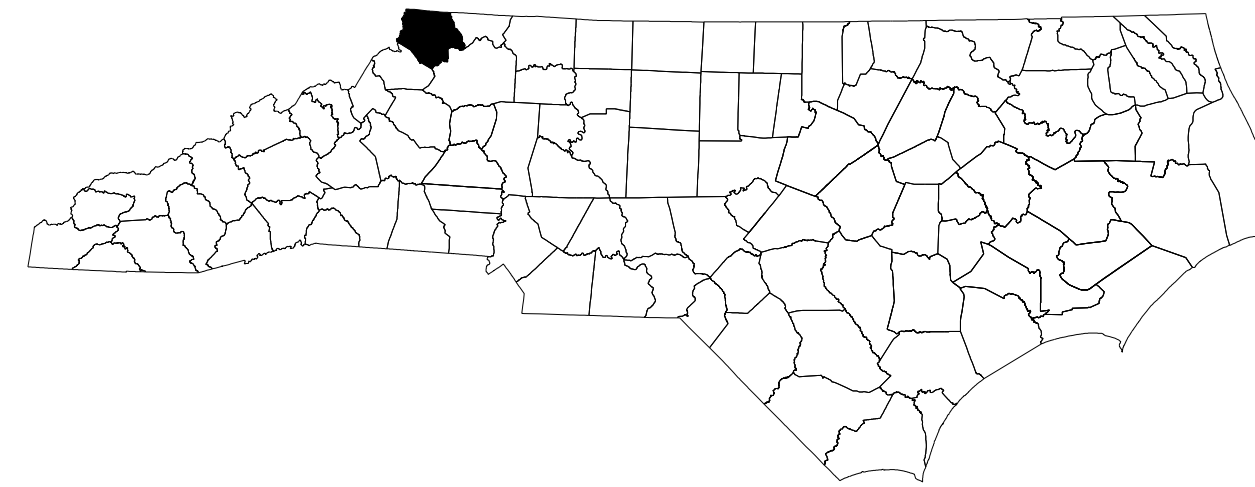


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**ASHE COUNTY**



**VICINITY MAP**

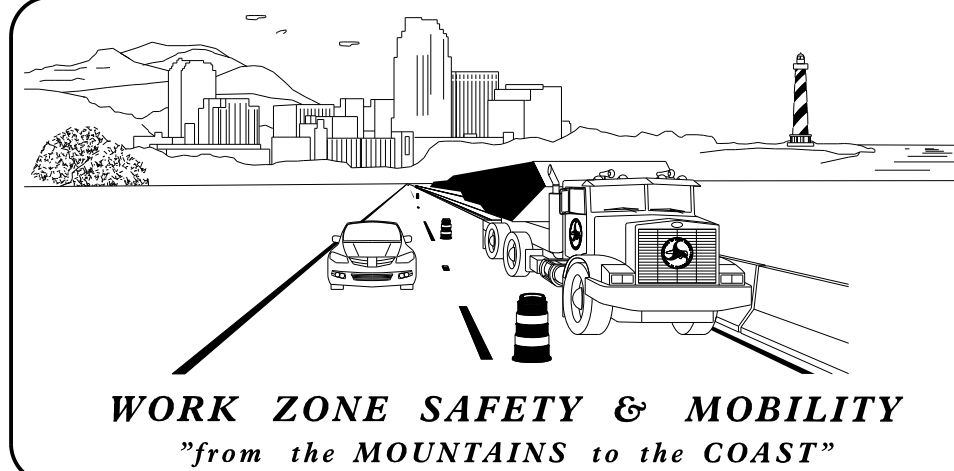
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES AND LOCAL NOTES)
TMP-2	TEMPORARY SHORING NOTES
TMP-2A	SPECIAL SIGN DESIGNS - BALDWIN ROAD AND HOWELL ROAD
TMP-2B	SPECIAL SIGN DESIGN - LYALL ROAD
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-3A	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4	PHASE I OVERVIEW
TMP-5 THRU TMP-23	PHASE I DETAILS
TMP-24	PHASE I - OFF-SITE DETOUR - NC 194 (-Y27-)
TMP-25	PHASE I DETAILS
TMP-26	PHASE I - OFF-SITE DETOUR - LYALL ROAD (-Y28-)
TMP-27	PHASE I DETAILS
TMP-28	PHASE II OVERVIEW
TMP-29 THRU TMP-45	PHASE II DETAILS
TMP-46	PHASE III OVERVIEW
TMP-47 THRU TMP-63	PHASE III DETAILS
TMP-64	PHASE III - OFF-SITE DETOUR - NC 163 (-Y32-)
TMP-65 THRU TMP-81	PHASE III DETAILS

SHEET NO.  
TMP-1

**R-2915D**

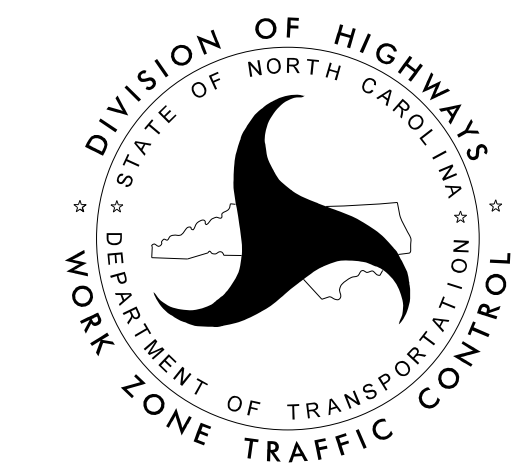
**TIP PROJECT:**

10/24/2014  
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User:tscoats



**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

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER  
J. W. WOOLARD, P.E. TRAFFIC CONTROL PROJECT ENGINEER  
TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
S. B. COATS TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: J. W. Woolard, Jr.  
DATE: 10/30/2014

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 2012 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
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSSES
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	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
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

# 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
- USER DEFINED (IF NEEDED)
- USER DEFINED (IF NEEDED)

## SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

## 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

- PA - WHITE EDGELINE (PAINT) - 4"
- PB - YELLOW EDGELINE (PAINT) - 4"
- PC - 10 FT. WHITE SKIP (PAINT) - 4"
- PD - 3 FT. WHITE MINISKIP (PAINT) - 4"
- PE - WHITE SOLID LANE LINE (PAINT) - 4"
- PI - YELLOW DOUBLE CENTER (PAINT) - 4"
- PN - WHITE GORELINE (PAINT) - 8"
- PO - WHITE DIAGONAL (CHEVRON) (PAINT) - 8"
- PP - YELLOW DIAGONAL (PAINT) - 8"
- P2 - WHITE STOP BAR (PAINT) - 24"
- P3 - WHITE CROSSWALK LINE (PAINT) - 24"
- QA - LEFT TURN ARROW
- QB - RIGHT TURN ARROW
- QC - STRAIGHT ARROW
- QD - COMBO. LEFT/STRIGHT ARROW
- QE - COMBO. RIGHT/STRIGHT ARROW
- QI - ALPHANUMERIC CHARACTER
- QP - MERGE ARROW
- QT - U-TURN ARROW

10/24/2014 10:24:10 AM User:tscoodts

APPROVED:  DATE: 10/30/2014 		<b>ROADWAY STANDARD DRAWINGS &amp; LEGEND</b>
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## MANAGEMENT STRATEGIES

### CONSTRUCTION

PROPOSED WIDENING OF US 221 FROM NC 194 TO US 221 BUS. (JEFFERSON AVENUE), INCLUDING CULVERTS, CURB AND GUTTER, GUARDRAIL, TEMPORARY PAVEMENT AND PIPE INSTALLATION.

### TMP DESIGN PARAMETERS

### 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 UNDESIRED 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 CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
US 221 (-L-)	MONDAY THRU FRIDAY 7:00 A.M. - 8:30 A.M.
US 221 BUS. (-Y32-)	MONDAY THRU FRIDAY 7:00 A.M. - 8:30 A.M.
NC 163 (-Y32-)	MONDAY THRU FRIDAY 7:00 A.M. - 8:30 A.M.

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME
US 221 (-L-)
US 221 BUS. (-Y32-)
NC 163 (-Y32-)

#### HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 6:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY TO 6:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR "CHRISTMAS IN JULY" CELEBRATION, THE 1ST WEEKEND IN JULY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 6:00 P.M. MONDAY.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION & OPERATION
US 221 (-L-)	MONDAY THRU FRIDAY 7:00 A.M. - 8:30 A.M.	15 MINUTES FOR TRAFFIC SHIFTS, PAVEMENT TIE-INS, PAVEMENT MARKING TIE-INS

D) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

#### LANE AND SHOULDER CLOSURE REQUIREMENTS

- E) 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.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN 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.

G) 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.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 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.

H) 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.

I) 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.

J) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

K) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

#### PAVEMENT EDGE DROP OFF REQUIREMENTS

L) 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.

M) 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

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

#### SIGNING

- O) 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.
- P) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS. PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- Q) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION. COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- R) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

S) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 350 FT. IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

#### TRAFFIC CONTROL DEVICES

T) 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.

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

#### PAVEMENT MARKINGS AND MARKERS

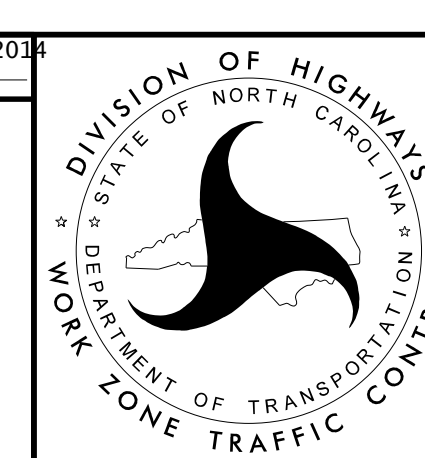
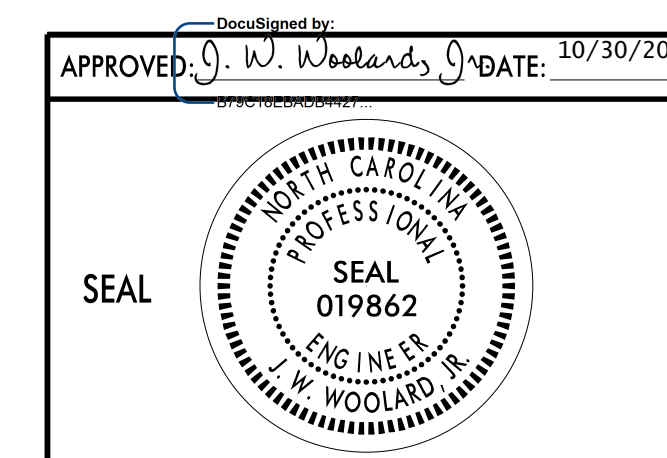
V) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	TEMPORARY

W) 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.

X) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

Y) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.





## TRANSPORTATION OPERATIONS PLAN

SHORING LOCATION NO.	BEGIN STATION AND OFFSET	END STATION AND OFFSET	ESTIMATED AVERAGE HEIGHT	ESTIMATED MAXIMUM HEIGHT	SHORING LOCATION TYPE
NO. 1	STA. 464+48 +/- -L-45.0 FT. (RT.)	STA. 464+64 +/- -L-45.0 FT. RT.	5.4 FT.	7.0 FT.	ROADWAY
NO. 2	STA. 504+52 +/- -L-25.0 FT. LT.	STA. 505+02 +/- -L-25.0 FT. LT.	7.8 FT.	11.3 FT.	ROADWAY
NO. 3	STA. 536+64 +/- -L-42.0 FT. LT.	STA. 536+88 +/- -L-42.0 FT. LT.	8.4 FT.	8.9 FT.	ROADWAY
NO. 4	STA. 540+42 +/- -L-40.0 FT. LT.	STA. 540+67 +/- -L-40.0 FT. LT.	5.5 FT.	5.8 FT.	ROADWAY
NO. 5	STA. 564+64 +/- -L-73.0 FT. RT.	STA. 564+82 +/- -L-73.0 FT. RT.	13.4 FT.	13.7 FT.	ROADWAY
NO. 6	STA. 587+14 +/- -L-45.0 FT. LT.	STA. 587+33 +/- -L-45.0 FT. LT.	7.7 FT.	8.1 FT.	ROADWAY
NO. 7	STA. 610+98 +/- -L-117.0 FT. RT.	STA. 611+23 +/- -L-117.0 FT. RT.	6.5 FT.	7.1 FT.	ROADWAY
NO. 8	STA. 618+92 +/- -L-81.0 FT. RT.	STA. 619+27 +/- -L-81.0 FT. RT.	7.5 FT.	7.9 FT.	ROADWAY
NO. 9	STA. 624+06 +/- -L-49.0 FT. RT.	STA. 624+26 +/- -L-49.0 FT. RT.	4.9 FT.	5.6 FT.	ROADWAY
NO. 10	STA. 650+72 +/- -L-39.0 FT. RT.	STA. 650+96 +/- -L-39.0 FT. RT.	6.6 FT.	7.2 FT.	ROADWAY
NO. 11	STA. 660+67 +/- -L-36.0 FT. RT.	STA. 661+35 +/- -L-36.0 FT. RT.	8.9 FT.	14.5 FT.	STRUCTURES
NO. 12	STA. 22+61 +/- -Y32-40.0 FT. LT.	STA. 22+81 +/- -Y32-40.0 FT. LT.	7.2 FT.	7.6 FT.	ROADWAY

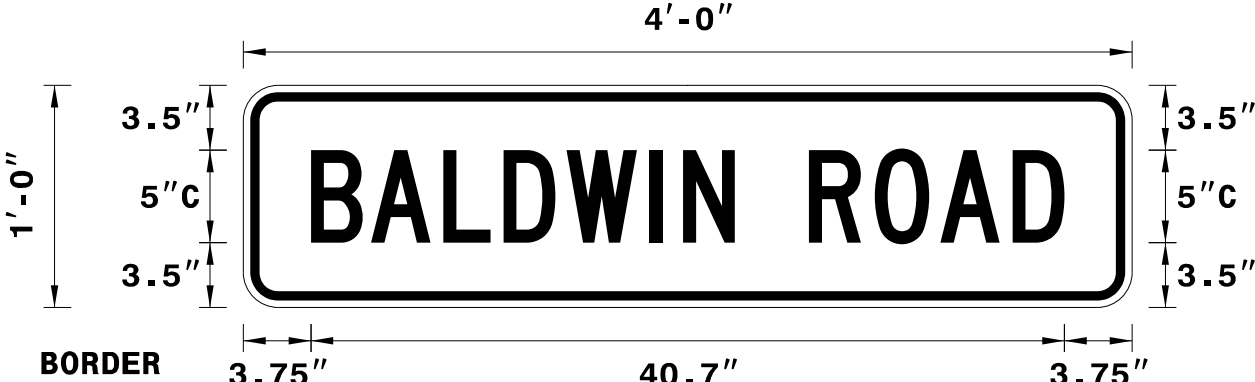
### TEMPORARY SHORING NOTES

- WHERE THE EXISTING HEADWALLS CAN NOT BE USED TEMPORARY SHORING AND APPROVED BY THE ENGINEER, USE A 1.5:1 (H:V) OR FLATTER TEMPORARY CUT SLOPE INSTEAD OF TEMPORARY SHORING AS SHOWN IN THE PLANS FOR LOCATIONS 6, 7, 8, 9, AND 10.
- FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.
- BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION FOR THE LOCATIONS LISTED IN THE TABLE, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.
- WHERE THE STANDARD TEMPORARY SHORING DETAILS DO NOT APPLY, DESIGN TEMPORARY SHORING 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 VARIES, BUT IS ASSUMED TO EXIST AT AN ELEVATION EQUIVALENT TO THE EXISTING CULVERT FLOOR ELEVATION
- NO OR LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING LOCATIONS LISTED IN THE TABLE. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION. THE SUBSURFACE INFORMATION THAT IS AVAILABLE CAN BE FOUND IN THE ROADWAY INVENTORY PACKAGE.
- DRIVEN PILING FOR TEMPORARY SHORING LOCATION NOS. 10, 11, 12 AND MAY NOT PENETRATE BELOW ELEVATION 2965 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.
- DO NOT USE A TEMPORARY WALL FOR THE TEMPORARY SHORING LOCATIONS LISTED IN THE TABLE.
- AT THE CONTRACTOR'S OPTION AND AS APPLICABLE, USE STANDARD TEMPORARY SHORING FOR THE TEMPORARY SHORING LOCATIONS LISTED IN THE TABLE. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.
- IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING LOCATIONS LISTED IN THE TABLE. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

10/30/2014  
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 User:scodts

APPROVED: <i>Stane C. Clark</i> DATE: 10/30/2014 		<b>TEMPORARY SHORING NOTES</b>
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SIGN NUMBER: SP14122 TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 4'-0" HEIGHT: 1'-0" TOTAL AREA: 4.0 Sq.Ft. BORDER TYPE: INSET RECESS: 0.38" WIDTH: 0.5" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Orange SYMBOl TABLE MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: D. BEARD PROJECT ID: R-2915D CHECKED BY: DIV: 11 DATE: Jul 01, 2014
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BORDER  
R=1.5"  
TH=0.5"  
IN=0.38"

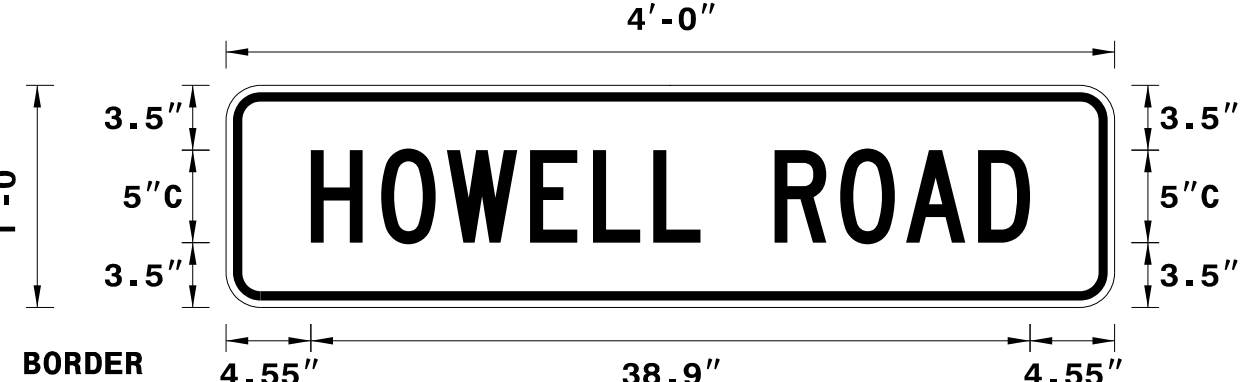
USE NOTES: 1,2  
1. Legend and border shall be direct applied black non-reflective sheeting.  
2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise

Letter positions													Series/Size	
Letter spacings are to start of next letter													Text Length	
B	A	L	D	W	I	N	R	O	A	D			C 2000	
3.7	3.3	3.9	3.3	3.4	4.5	1.8	2.8	4	3.5	3.6	3.9	2.8	3.6	40.7

FILENAME: WORK-ZONE\_Sign NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: SP14121 TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 4'-0" HEIGHT: 1'-0" TOTAL AREA: 4.0 Sq.Ft. BORDER TYPE: INSET RECESS: 0.38" WIDTH: 0.5" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Orange SYMBOl TABLE MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: D. BEARD PROJECT ID: R-2915D CHECKED BY: DIV: 11 DATE: Jul 01, 2014
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BORDER  
R=1.5"  
TH=0.5"  
IN=0.38"


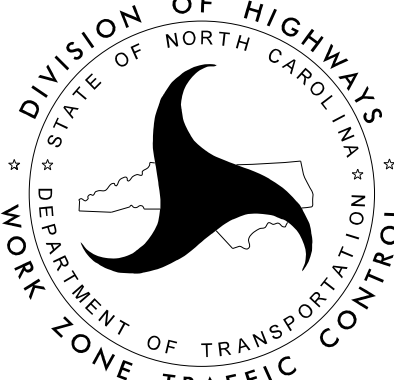
USE NOTES: 1,2  
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Letter positions													Series/Size	
Letter spacings are to start of next letter													Text Length	
H	O	W	E	L	L	R	O	A	D				C 2000	
4.6	3.8	3.6	4.5	3.4	3.3	2.6	4	3.6	3.5	3.9	2.8	4.6	38.9	

FILENAME: WORK-ZONE\_Sign NORTH CAROLINA D.O.T. SIGN DETAIL

10/24/2014  
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 User:scodts

APPROVED: <i>Row King</i> DATE: 10/30/2014 SEAL 		SPECIAL SIGN DESIGN BALDWIN ROAD AND HOWELL ROAD
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<b>SIGN NUMBER:</b> SP14116 <b>TYPE:</b> STATIONARY <b>QUANTITY:</b> SEE PLANS <b>SIGN WIDTH:</b> 3'-6" <b>HEIGHT:</b> 1'-0" <b>TOTAL AREA:</b> 3.5 Sq.Ft. <b>BORDER TYPE:</b> INSET <b>RECESS:</b> 0.38" <b>WIDTH:</b> 0.5" <b>RADII:</b> 1.5" <b>NO. Z BARS:</b> <b>LENGTH:</b>	<b>BACKG COLOR:</b> Fluorescent Orange <b>COPY COLOR:</b> Black <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <b>MAT'L:</b> 0.080" (2.0 mm) ALUMINUM	SYMBOL	X	Y	WID	HT																																				<b>DESIGN BY:</b> D. BEARD <b>PROJECT ID:</b> R-2915D <b>CHECKED BY:</b> <b>DIV:</b> 11 <b>DATE:</b> Jun 17, 2014
SYMBOL	X	Y	WID	HT																																						

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluoresent orange retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise



**LETTER POSITIONS**

Letter spacings are to start of next letter

	L	Y	A	L	L		R	O	A	D												Series/Size Text Length	
	4.1	2.8	3.5	3.9	3.3	2.6	4	3.6	3.6	3.9	2.8	4.1											C 2000 33.9

FILENAME: Guidsign\_English NORTH CAROLINA D.O.T. SIGN DETAIL

10/24/2014  
 p:\t\p\projects-r\2915d\traffico\traffico\general\AR2915D\_TC\_GEN\_TMP02B.dgn  
 User:scodts

APPROVED  DATE: 10/30/2014		<b>SPECIAL SIGN DESIGN</b> <b>LYALL ROAD</b>
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## TEMPORARY TRAFFIC CONTROL PHASING

THIS PROJECT CONSISTS OF WIDENING EXISTING US 221/NC 194 (-L-), INCLUDING NEW CONSTRUCTION OF -Y27- (NC 194), WIDENING OF -Y27A- (BALDWIN RD./SR 1248), NEW CONSTRUCTION OF -Y27B- (EARNEST HOWELL RD./SR 1263), WIDENING OF -Y27C- (VERNON ROTEN RD./SR 1272), NEW CONSTRUCTION OF -Y28- (CLARENCE LYALL RD./SR 1143), WIDENING OF -Y29- (CLARENCE LYALL RD./SR 1143), WIDENING OF -DRV1-, WIDENING OF -Y30- (MULATTO MOUNTAIN RD./SR 1145), WIDENING OF -Y31- (NETTLE KNOB RD./SR 1147), WIDENING OF -Y32- (JEFFERSON AVENUE/ US 221 BUS./NC 194), AND NEW CONSTRUCTION OF -Y32- (NC 163).

THE CONTRACTOR SHALL WORK SIMULTANEOUSLY ON PROPOSED US 221/NC 194 (-L-) AND PROPOSED -Y- LINES.

NOTE: BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL:  
PLACE ADVANCE WORK ZONE WARNING SIGNS ALONG EXISTING US 221/NC 194 (-L-) AND ALL -Y- LINES (SEE RSD 1101.01, SHEET 3 OF 3).

### CONSTRUCTION OF PROPOSED US 221/NC 194 (-L-) AND PROPOSED -Y- LINES

#### PHASE I

THE FOLLOWING NOTES ARE APPLICABLE FOR PHASE I.

NOTE: CONTRACTOR SHALL CONSTRUCT ALL PAVEMENT (TEMPORARY AND/OR PROPOSED) TO MAINTAIN DRAINAGE AND NOT POND WATER IN THE TRAFFIC LANES.

NOTE: CONTRACTOR SHALL PLACE TRAFFIC BACK INTO THE EXISTING PATTERN AT THE END OF EACH WORK PERIOD, UNLESS OTHERWISE DIRECTED BY THE TMP OR THE ENGINEER.

NOTE: CONTRACTOR SHALL PLACE TYPE III BARRICADES & DRUMS AT ALL -Y- LINES AND DRUMS AT ALL DRIVEWAYS TO KEEP PROPOSED/TEMPORARY WIDENING CLOSED TO TRAFFIC.

NOTE: TEMPORARY PAVEMENT MAY BE UTILIZED IN THE CONSTRUCTION OF PROPOSED PAVEMENT AS DIRECT BY THE ENGINEER.

NOTE: WHEN CONSTRUCTING DRAINAGE STRUCTURES ADJACENT TO TRAFFIC, INSTALL TEMPORARY STEEL PLATES, AS DIRECTED BY THE ENGINEER. MAY WORK EACH LOCATION INDEPENDENTLY OR CONCURRENTLY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. WORK IN A CONTINUOUS MANNER TO PERFORM THE WORK IN THE FOLLOWING SEQUENCE, IN STEPS 'A' THRU 'E'.

- A: CLOSE THE APPROPRIATE TRAVEL LANE TO TRAFFIC USING ROADWAY STANDARD DRAWING NO. 1101.02 SHEETS 1 & 2 OF 15.
- B: CONSTRUCT PROPOSED STRUCTURE OR INSTALL PRE-CAST DRAINAGE STRUCTURE AS SHOWN IN THE CONSTRUCTION PLANS AND COVER WITH STEEL PLATES TO PROTECT STRUCTURE DURING CURING.
- C: OPEN TRAVEL LANE TO EXISTING TRAFFIC PATTERN BY THE END OF EACH WORK PERIOD.
- D: WHEN PROPERLY CURED, CLOSE THE APPROPRIATE TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1 & 2 OF 15. BACKFILL & PAVE, IF REQUIRED, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT (SEE CONSTRUCTION PLANS).
- E: OPEN TRAVEL LANE TO EXISTING TRAFFIC PATTERN BY THE END OF THE WORK PERIOD.

STEP 1: CONTRACTOR, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 & 2 OF 15.

IF TRENCHLESS INSTALLATION OF PROPOSED DRAINAGE UNDER EXISTING US 221 (-L-) IS USED, INSTALL AS DIRECTED BY THE ENGINEER (SEE CONSTRUCTION PLANS).

SHALL CONSTRUCT PROPOSED WIDENING OF US 221 (-L-), (INCLUDING PROPOSED SHOULDERS, PROPOSED CURB & GUTTER, PROPOSED DRAINAGE, PROPOSED GUARDRAIL, SHORING, AND TEMPORARY PAVEMENT) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-5 THRU TMP-21, AND CONSTRUCTION PLANS):

- STA. 10+09+/- -DRV2- TO STA. 11+04+/- -DRV2- (LEFT)
- STA. 460+50+/- -L- TO STA. 474+71+/- -L- (LEFT)
- STA. 479+00+/- -L- TO STA. 510+52+/- -L- (LEFT)
- STA. 517+25+/- -L- TO STA. 546+00+/- -L- (LEFT)
- STA. 553+50+/- -L- TO STA. 568+00+/- -L- (RIGHT)
- STA. 571+78+/- -L- TO STA. 594+50+/- -L- (LEFT)
- STA. 604+63+/- -L- TO STA. 624+80+/- -L- (RIGHT)
- STA. 626+54+/- -L- TO STA. 648+75+/- -L- (RIGHT)
- STA. 650+80+/- -L- TO STA. 659+50+/- -L- (RIGHT)
- STA. 672+10+/- -L- TO STA. 676+29+/- -L- (RIGHT)

SHALL CONSTRUCT PROPOSED WIDENING OF US 221 (-L-), (INCLUDING PROPOSED SHOULDERS, PROPOSED CURB & GUTTER, PROPOSED DRAINAGE, PROPOSED GUARDRAIL, SHORING, AND TEMPORARY PAVEMENT) UP TO EXISTING EDGE OF PAVEMENT ELEVATIONS AS FOLLOWS (SEE TMP-5 THRU TMP-21, AND CONSTRUCTION PLANS):

- STA. 14+00+/- -TIE- TO STA. 19+00+/- -TIE- (RIGHT)
- STA. 453+06+/- -L- TO STA. 460+50+/- -L- (LEFT)
- STA. 474+71+/- -L- TO STA. 475+79+/- -L- (LEFT)
- STA. 476+57+/- -L- TO STA. 479+00+/- -L- (LEFT)
- STA. 11+80+/- -Y27C- TO STA. 477+71+/- -L- (RIGHT)
- STA. 510+52+/- -L- TO STA. 16+15+/- -Y28- (LEFT)
- STA. 512+88+/- -L- TO STA. 517+25+/- -L- (LEFT)
- STA. 11+88+/- -Y29- TO STA. 515+09+/- -L- (RIGHT)
- STA. 547+90+/- -L- TO STA. 552+75+/- -L- (LEFT)
- STA. 552+50+/- -L- TO STA. 553+50+/- -L- (RIGHT)
- STA. 567+00+/- -L- TO STA. 571+78+/- -L- (LEFT)
- STA. 568+00+/- -L- TO STA. 573+85+/- -L- (RIGHT)
- STA. 597+00+/- -L- TO STA. 604+63+/- -L- (RIGHT)
- STA. 594+50+/- -L- TO STA. 607+00+/- -L- (LEFT)
- STA. 624+80+/- -L- TO STA. 10+87+/- -Y30- (RIGHT)
- STA. 11+00+/- -Y30- TO STA. 626+54+/- -L- (RIGHT)
- STA. 648+75+/- -L- TO STA. 11+65+/- -Y31- (RIGHT)
- STA. 11+65+/- -Y31- TO STA. 650+80+/- -L- (RIGHT)
- STA. 659+50+/- -L- TO STA. 22+51+/- -Y32- (RIGHT)
- STA. 658+00+/- -L- TO STA. 16+30+/- -Y32- (LEFT)
- STA. 16+30+/- -Y32- TO STA. 675+50+/- -L- (LEFT)
- STA. 22+51+/- -Y32- TO STA. 672+10+/- -L- (RIGHT)
- STA. 676+29+/- -L- TO STA. 679+90+/- -L- (RIGHT)
- STA. 27+00+/- -Y32- TO STA. 29+90+/- -Y32- (RIGHT)
- STA. 27+00+/- -Y32- TO STA. 29+90+/- -Y32- (LEFT)

SHALL CONSTRUCT THE FOLLOWING PROPOSED WIDENING OF -Y- LINES AND ENTRANCE DRIVES (INCLUDING PROPOSED SHOULDERS, PROPOSED CURB & GUTTER, AND PROPOSED DRAINAGE) UP TO EXISTING EDGE OF PAVEMENT ELEVATION (SEE TMP-5, TMP-6, TMP-9, AND CONSTRUCTION PLANS):

- -Y27- (NC 194)
- -Y27A- (BALDWIN ROAD/SR 1248)
- -Y27B- (EARNEST HOWELL ROAD/SR 1263)
- -Y27C- (VERNON ROTEN ROAD/SR 1272)
- -Y28- (CLARENCE LYALL ROAD/SR 1143)
- -Y29- (CLARENCE LYALL ROAD/SR 1143)

SHALL CONSTRUCT THE FOLLOWING PROPOSED -Y- LINES AND ENTRANCE DRIVES THAT REQUIRE A FILL OR CUT SECTION OF EXISTING ROADWAY, AS DIRECTED BY THE ENGINEER, (INCLUDING PROPOSED SHOULDERS, PROPOSED CURB & GUTTER, AND PROPOSED DRAINAGE) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE BY PLACING AGGREGATE BASE COURSE, INCIDENTAL STONE, OR ASPHALT BASE COURSE & BINDER COURSE TO MAINTAIN ACCESS. PLACE TEMPORARY PAVEMENT MARKINGS AND OPEN TO TRAFFIC, (SEE TMP-17, TMP-18, AND CONSTRUCTION PLANS):

- -Y30- (MULATTO MOUNTAIN ROAD/SR 1145) (CUT)
- -Y31- (NETTLE KNOB ROAD/SR 1147) (FILL)

STEP 2: CONTRACTOR, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 & 2 OF 15.

SHALL PAVE AND WEDGE -L- LINE AS NECESSARY FOR TEMPORARY TRAFFIC SHIFT AS SHOWN (SEE TMP-22 AND TMP-23):

- STA. 517+25+/- -L- TO STA. 522+00+/- -L-
- STA. 546+00+/- -L- TO STA. 552+64+/- -L-

PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AS SHOWN (SEE TMP-22 AND TMP-23):

- STA. 517+25+/- -L- TO STA. 552+64+/- -L-

SHALL CONSTRUCT PROPOSED WIDENING OF US 221 (-L-), (INCLUDING PROPOSED SHOULDERS, PROPOSED DRAINAGE, AND TEMPORARY PAVEMENT) UP TO EXISTING EDGE OF PAVEMENT ELEVATIONS AS FOLLOWS (SEE TMP-23):

- STA. 545+50+/- -L- TO STA. 553+50+/- -L-

#### ICT - 28 DAYS

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE FOLLOWING IN PHASE I, STEPS 3 THRU 5 IN 28 CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

STEP 3: INSTALL ALL OFF-SITE DETOUR SIGNING (SEE TMP-24).

- USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 2 OF 9, CLOSE -Y27- (NC 194) FROM STA. 14+65+/- -Y27- TO STA. 18+95+/- -Y27- AND -Y27A- (BALDWIN RD./SR 1248) FROM STA. 10+00+/- -Y27A- TO STA. 10+50 -Y27A-.

STEP 4: CONSTRUCT PROPOSED -Y27-, -Y27A-, AND -Y27B-, (INCLUDING PROPOSED DRAINAGE AND PAVEMENT REMOVAL), UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-25):

- STA. 14+65 +/- -Y27- TO STA. 18+95+/- -Y27-
- STA. 10+00 +/- -Y27A- TO STA. 12+15+/- -Y27A-
- STA. 10+90 +/- -Y27B- TO STA. 12+93+/- -Y27B-
- STA. 474+71 +/- -L- TO STA. 479+00+/- -L-

- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AS FOLLOWS (SEE TMP-25):

- STA. 14+65 +/- -Y27- TO STA. 18+95+/- -Y27-
- STA. 10+22 +/- -Y27A- TO STA. 12+15+/- -Y27A-

STEP 5: REMOVE ALL TYPE III BARRICADES AND DETOUR SIGNING. REOPEN -Y27- (NC 194), -Y27A- (BALDWIN RD./SR 1248), AND -Y27B- (HOWELL RD./SR 1263) TO A 2-LANE, 2-WAY TRAFFIC PATTERN.

#### ICT - 21 DAYS

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE FOLLOWING IN PHASE I, STEPS 6 THRU 8 IN 21 CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

STEP 6: INSTALL ALL OFF-SITE DETOUR SIGNING (SEE TMP-26).

- USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 2 OF 9, CLOSE -Y28- (CLARENCE LYALL RD./SR 1143) FROM STA. 16+15+/- -Y28- TO STA. 18+20+/- -Y28-.

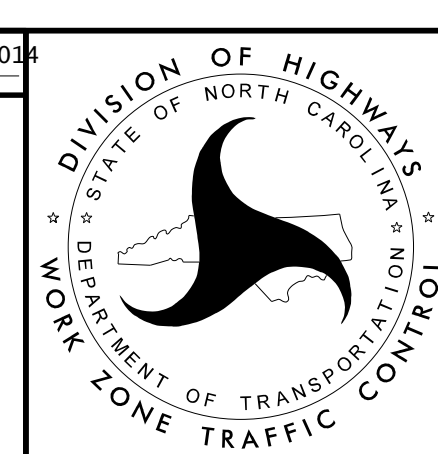
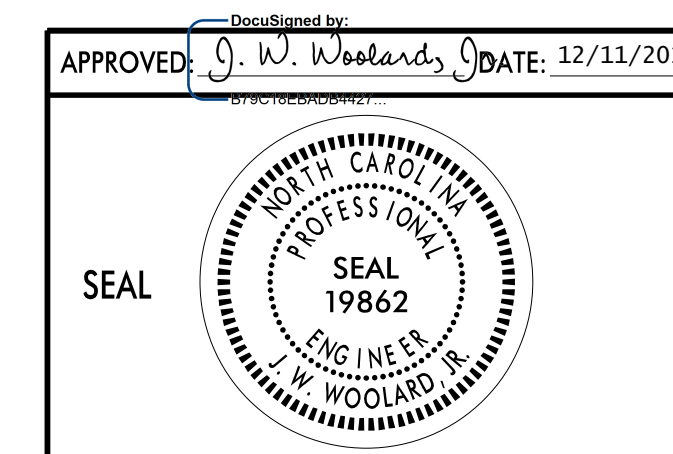
STEP 7: CONSTRUCT PROPOSED -Y28- AND -L-, (INCLUDING PROPOSED DRAINAGE), UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-27):

- STA. 16+15 +/- -Y28- TO STA. 18+95+/- -Y28-
- STA. 510+52 +/- -L- TO STA. 517+25+/- -L-

- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AS FOLLOWS (SEE TMP-33):

- STA. 16+15 +/- -Y28- TO STA. 17+73+/- -Y28-

STEP 8: REMOVE ALL TYPE III BARRICADES AND DETOUR SIGNING. REOPEN -Y28- (CLARENCE LYALL RD./SR 1143) TO A 2-LANE, 2-WAY TRAFFIC PATTERN.



## TEMPORARY TRAFFIC CONTROL PHASING

# TEMPORARY TRAFFIC CONTROL PHASING

PROJ. REFERENCE NO.	SHEET NO.
R-2915D	TMP-3A

## PHASE I (CONTINUED)

STEP 9: CONTRACTOR, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 & 2 OF 15.

SHALL PAVE/WEDGE US 221 (-L-), UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-5, TMP-13 THRU TMP-15, TMP-17 THRU TMP-19, TMP-23, TMP-25, TMP-27):

- STA. 453+06+/- -L- TO STA. 460+50+/- -L- (LEFT)
- STA. 546+00+/- -L- (LEFT) TO STA. 553+50+/- -L- (RIGHT)
- STA. 9+88+/- -Y27C- TO STA. 12+00+/- -Y27C-
- STA. 10+00+/- -Y29- TO STA. 12+60+/- -Y29-
- STA. 568+00+/- -L- (RIGHT) TO STA. 579+66+/- -L- (LEFT)
- STA. 9+88+/- -DRV1- TO STA. 10+68+/- -DRV1-
- STA. 594+50+/- -L- (LEFT) TO STA. 604+63+/- -L- (RIGHT)
- STA. 624+80+/- -L- TO STA. 626+54+/- -L- (RIGHT)
- STA. 10+09+/- -Y30- TO STA. 11+00+/- -Y30-
- STA. 648+75+/- -L- TO STA. 650+80+/- -L- (RIGHT)
- STA. 10+00+/- -Y31- TO STA. 11+65+/- -Y31-
- STA. 659+50+/- -L- (RIGHT) TO STA. 663+87+/- -L- (LEFT)

SHALL PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L-, -Y27C-, -Y29-, -DRV1-, -Y30-, AND -Y31- AS SHOWN ON TMP-29 THRU TMP-43.

STEP 10: SHIFT 2-LANE, 2-WAY TRAFFIC ON -L- LINE TO NEW TEMPORARY 2-LANE, 2-WAY TRAFFIC PATTERN AS SHOWN ON TMP-29 THRU TMP-43.

## PHASE II

STEP 1: CONTRACTOR, AWAY FROM TRAFFIC AND USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 & 2 OF 15 (WHEN NECESSARY).

SHALL CONSTRUCT PROPOSED WIDENING OF US 221 (-L-), (INCLUDING PROPOSED SHOULDERS, PROPOSED CURB & GUTTER, PROPOSED DRAINAGE, PROPOSED GUARDRAIL, AND TEMPORARY PAVEMENT) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-29 THRU TMP-45, AND CONSTRUCTION PLANS):

- STA. 19+00+/- -TIE- TO STA. 474+70+/- -L- (RIGHT)
- STA. 478+58+/- -L- TO STA. 510+52+/- -L- (RIGHT)
- STA. 515+33+/- -L- TO STA. 549+30+/- -L- (RIGHT)
- STA. 552+00+/- -L- TO STA. 569+70+/- -L- (LEFT)
- STA. 579+66+/- -L- TO STA. 599+15+/- -L- (RIGHT)
- STA. 604+63+/- -L- TO STA. 625+08+/- -L- (LEFT)
- STA. 627+00+/- -L- TO STA. 648+85+/- -L- (LEFT)
- STA. 650+80+/- -L- TO STA. 660+09+/- -L- (LEFT)

SHALL CONSTRUCT PROPOSED WIDENING OF US 221 (-L-), (INCLUDING PROPOSED SHOULDERS, PROPOSED CURB & GUTTER, PROPOSED DRAINAGE, PROPOSED GUARDRAIL, AND TEMPORARY PAVEMENT) UP TO BASE COURSE AS FOLLOWS (SEE TMP-30 THRU TMP-45, AND CONSTRUCTION PLANS):

- STA. 474+70+/- -L- TO STA. 12+00+/- -Y27C- (RIGHT)
- STA. 10+90+/- -Y27C- TO STA. 478+58+/- -L- (RIGHT)
- STA. 510+52+/- -L- TO STA. 12+60+/- -Y29- (RIGHT)
- STA. 12+60+/- -Y29- TO STA. 515+33+/- -L- (RIGHT)
- STA. 573+85+/- -L- TO STA. 11+27+/- -DRV- (RIGHT)
- STA. 11+19+/- -DRV- TO STA. 579+66+/- -L- (RIGHT)
- STA. 625+08+/- -L- TO STA. 627+00+/- -L- (LEFT)
- STA. 648+85+/- -L- TO STA. 650+80+/- -L- (LEFT)

STEP 2: CONTRACTOR, AWAY FROM TRAFFIC AND USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 & 2 OF 15 (WHEN NECESSARY).

SHALL PAVE/WEDGE US 221 (-L-), UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-29, TMP-30, TMP-33, TMP-35 THRU TMP-39, AND TMP-41 THRU TMP-44):

- STA. 17+50+/- -TIE- TO STA. 19+00+/- -TIE- (RIGHT)
- STA. 474+70+/- -L- TO STA. 12+00+/- -Y27C- (RIGHT)
- STA. 10+90+/- -Y27C- TO STA. 478+58+/- -L- (RIGHT)
- STA. 510+52+/- -L- TO STA. 12+60+/- -Y29- (RIGHT)
- STA. 12+60+/- -Y29- TO STA. 515+33+/- -L- (RIGHT)
- STA. 549+30+/- -L- TO STA. 552+50+/- -L- (RIGHT)
- STA. 569+70+/- -L- TO STA. 571+78+/- -L- (LEFT)
- STA. 568+81+/- -L- TO STA. 11+27+/- -DRV- (RIGHT)
- STA. 11+19+/- -DRV- TO STA. 579+66+/- -L- (RIGHT)
- STA. 597+87+/- -L- TO STA. 604+63+/- -L- (LEFT)
- STA. 599+15+/- -L- TO STA. 601+99+/- -L- (RIGHT)
- STA. 625+08+/- -L- TO STA. 627+00+/- -L- (LEFT)
- STA. 648+85+/- -L- TO STA. 650+80+/- -L- (LEFT)
- STA. 659+50+/- -L- TO STA. 663+20+/- -L- (LEFT)
- STA. 659+50+/- -L- TO STA. 665+28+/- -L- (RIGHT)
- STA. 663+86+/- -L- TO STA. 665+28+/- -L- (LEFT)
- STA. 665+28+/- -L- TO STA. 667+50+/- -L- (RIGHT)
- STA. 676+29+/- -L- TO STA. 679+90+/- -L- (RIGHT)

- SHALL PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L-, -Y27C-, -Y29-, -DRV1-, -Y30-, -Y31-, AND -Y32- AS SHOWN ON TMP-47 THRU TMP-62.

STEP 3: SHIFT 2-LANE, 2-WAY TRAFFIC ON -L- LINE TO NEW TEMPORARY TRAFFIC PATTERN AS SHOWN ON TMP-47 THRU TMP-62.

## PHASE III

STEP 1: CONTRACTOR, AWAY FROM TRAFFIC AND USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 & 2 OF 15 (WHEN NECESSARY).

BEGIN CONSTRUCTING PROPOSED WIDENING OF US 221 (-L-), (INCLUDING PROPOSED CURB & GUTTER, PROPOSED DRAINAGE, CONCRETE ISLANDS UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-47 THRU TMP-62, AND CONSTRUCTION PLANS):

- STA. 456+93+/- -L- TO STA. 460+50+/- -L- (MEDIAN)
- STA. 462+20+/- -L- TO STA. 462+82+/- -L- (MEDIAN)
- STA. 463+62+/- -L- TO STA. 464+23+/- -L- (MEDIAN)
- STA. 464+97+/- -L- TO STA. 467+12+/- -L- (CONCRETE ISLANDS)
- STA. 488+38+/- -L- TO STA. 490+53+/- -L- (CONCRETE ISLANDS)
- STA. 498+20+/- -L- TO STA. 500+35+/- -L- (CONCRETE ISLANDS)
- STA. 519+00+/- -L- TO STA. 522+00+/- -L- (MEDIAN)
- STA. 527+38+/- -L- TO STA. 529+53+/- -L- (CONCRETE ISLANDS)
- STA. 546+00+/- -L- TO STA. 553+50+/- -L- (MEDIAN)
- STA. 568+00+/- -L- TO STA. 577+38+/- -L- (MEDIAN)
- STA. 579+66+/- -L- TO STA. 585+50+/- -L- (MEDIAN)
- STA. 588+88+/- -L- TO STA. 591+03+/- -L- (CONCRETE ISLANDS)
- STA. 594+50+/- -L- TO STA. 602+48+/- -L- (MEDIAN)
- STA. 602+48+/- -L- TO STA. 604+63+/- -L- (CONCRETE ISLANDS)
- STA. 660+09+/- -L- TO STA. 664+95+/- -L- (CONCRETE ISLAND)
- STA. 666+68+/- -L- TO STA. 672+10+/- -L- (CONCRETE ISLAND)
- STA. 672+10+/- -L- TO STA. 676+29+/- -L- (MEDIAN)
- STA. 675+50+/- -L- TO STA. 679+90+/- -L- (LEFT)

- SHALL PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L-, AS SHOWN ON TMP-65 THRU TMP-68, TMP-70, TMP-74, AND TMP-75.

STEP 5: CONTRACTOR, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 3 OF 15.

SHALL PAVE/WEDGE US 221 BUS./NC 194 (-Y32-), UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-79 & TMP-80):

- STA. 15+48+/- -Y32- TO STA. 22+15+/- -Y32-
- STA. 665+28+/- -L- TO STA. 676+26+/- -L-

- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AS FOLLOWS (SEE TMP-79 AND TMP-80):

- STA. 15+48+/- -Y32- TO STA. 21+04+/- -Y32-
- STA. 666+75+/- -L- TO STA. 676+26+/- -L-

- SHALL CONSTRUCT CONCRETE ISLAND AS SHOWN ON TMP-79 AND CONSTRUCTION PLANS.

STEP 6: CONTRACTOR, AWAY FROM TRAFFIC AND USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 & 2 OF 15 (WHEN NECESSARY).

SHALL PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L-, AS SHOWN ON TMP-66, TMP-69, TMP-73, TMP-74, AND TMP-77 THRU TMP-79.

SHALL CONSTRUCT PROPOSED WIDENING OF US 221 (-L-), (INCLUDING PROPOSED CURB & GUTTER, PROPOSED DRAINAGE, CONCRETE ISLANDS UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-66, TMP-69, TMP-73, TMP-74, TMP-77, TMP-78, AND CONSTRUCTION PLANS):

- STA. 474+71+/- -L- TO STA. 478+58+/- -L- (CONCRETE ISLANDS)
- STA. 510+52+/- -L- TO STA. 512+45+/- -L- (CONCRETE ISLANDS)
- STA. 512+45+/- -L- TO STA. 513+40+/- -L- (MEDIAN)
- STA. 513+40+/- -L- TO STA. 515+33+/- -L- (CONCRETE ISLANDS)
- STA. 577+38+/- -L- TO STA. 577+73+/- -L- (MEDIAN)
- STA. 577+73+/- -L- TO STA. 579+66+/- -L- (CONCRETE ISLANDS)
- STA. 624+80+/- -L- TO STA. 625+08+/- -L- (MEDIAN)
- STA. 625+08+/- -L- TO STA. 627+00+/- -L- (CONCRETE ISLANDS)
- STA. 648+85+/- -L- TO STA. 650+80+/- -L- (CONCRETE ISLANDS)

COMPLETE CONSTRUCTION BEGUN IN PHASE III, STEP 1.

## ICT - 40 DAYS

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE FOLLOWING IN PHASE III, STEPS 2 THRU 4 IN 40 CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

STEP 2: INSTALL ALL OFF-SITE DETOUR SIGNING (SEE TMP-64).

- USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 2 OF 9, CLOSE -Y32- (NC 163) FROM STA. 22+50+/- -Y32- TO STA. 29+00+/- -Y32-.

STEP 3: CONSTRUCT PROPOSED -Y32-, (INCLUDING CURB & GUTTER, PROPOSED DRAINAGE, AND PROPOSED GUARDRAIL, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-61 AND TMP-63):

- STA. 22+51 +/- -Y32- TO STA. 28+63+/- -Y32-

- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AS FOLLOWS (SEE TMP-79 AND TMP-81):

- STA. 22+91 +/- -Y32- TO STA. 30+72+/- -Y32-

STEP 4: REMOVE ALL TYPE III BARRICADES AND DETOUR SIGNING. REOPEN -Y32- (NC 163) TO TRAFFIC.

## PHASE IV

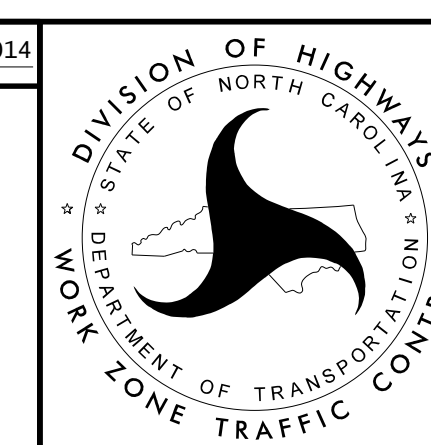
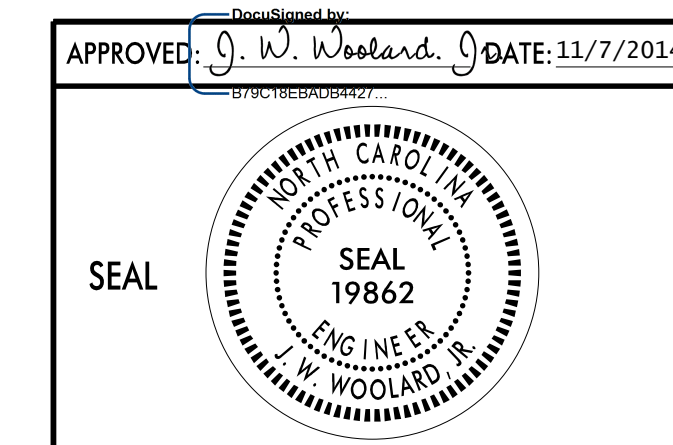
STEP 1: CONTRACTOR, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 2 AND 3 OF 15.

SHALL PAVE THE FINAL LAYER OF SURFACE COURSE ON -L- LINE AND ALL -Y- LINES, SEE CONSTRUCTION PLANS.

- PLACE FINAL PAVEMENT MARKINGS AND MARKERS, SEE FINAL PAVEMENT MARKING PLANS.

STEP 2: REMOVE ALL TRAFFIC CONTROL DEVICES FROM PROJECT.

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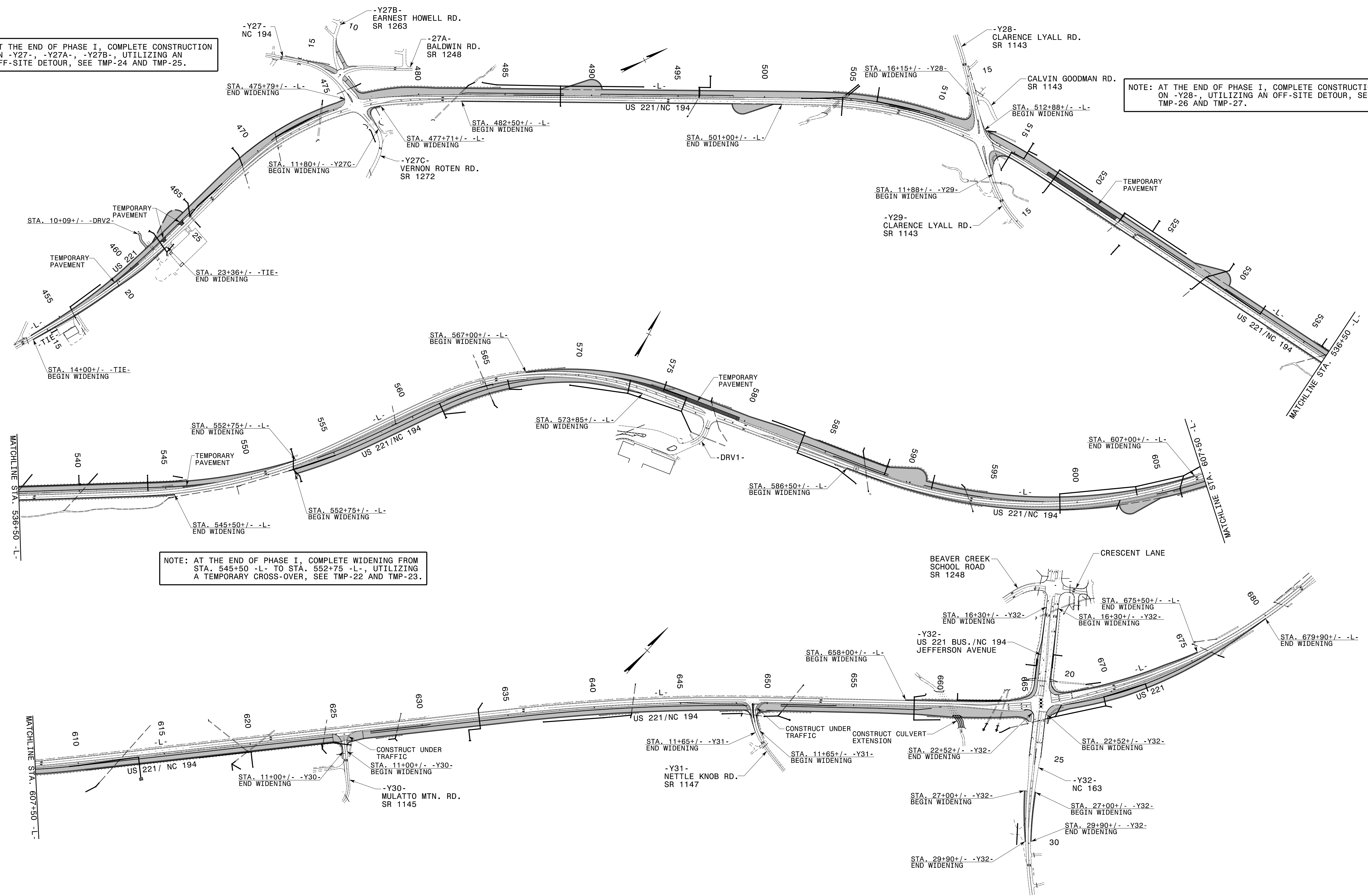


# TEMPORARY TRAFFIC CONTROL PHASING



NOTE: AT THE END OF PHASE I, COMPLETE CONSTRUCTION ON -Y27-, -Y27A-, -Y27B-, UTILIZING AN OFF-SITE DETOUR, SEE TMP-24 AND TMP-25.

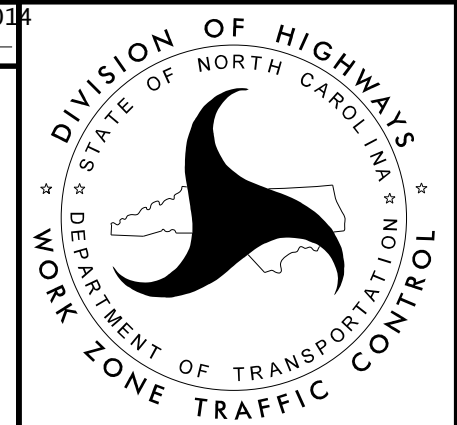
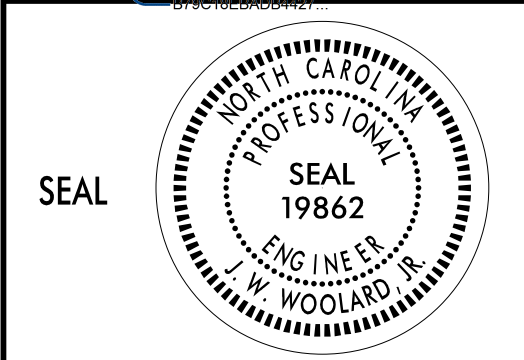
NOTE: AT THE END OF PHASE I, COMPLETE CONSTRUCTION ON -Y28-, UTILIZING AN OFF-SITE DETOUR, SEE TMP-26 AND TMP-27.



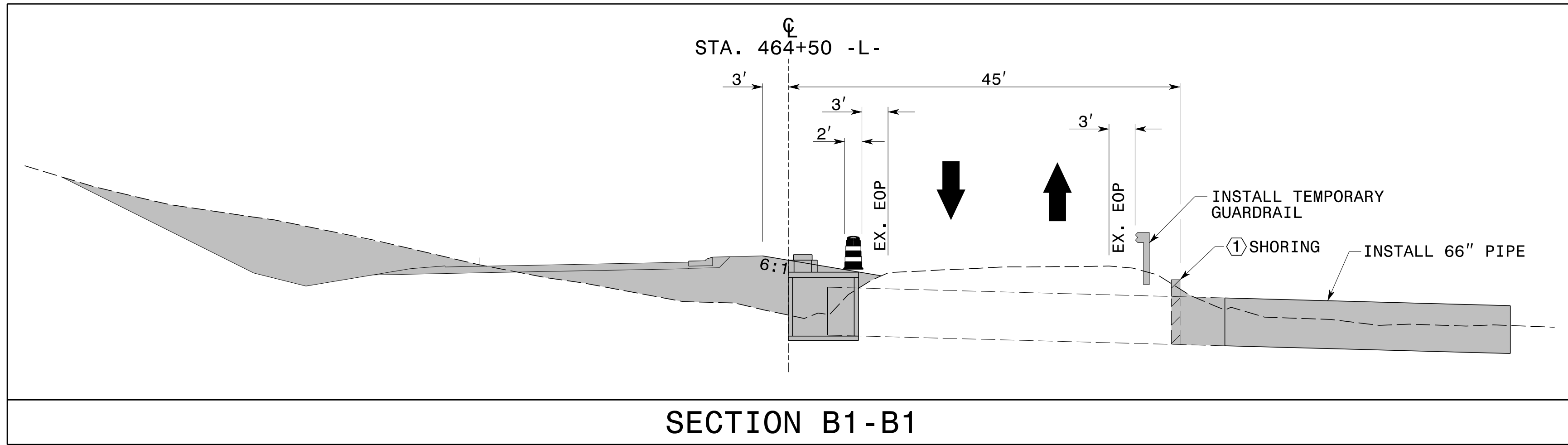
NOTE: AT THE END OF PHASE I, COMPLETE WIDENING FROM STA. 545+50 -L- TO STA. 552+75 -L-, UTILIZING A TEMPORARY CROSS-OVER, SEE TMP-22 AND TMP-23.

10/24/2014  
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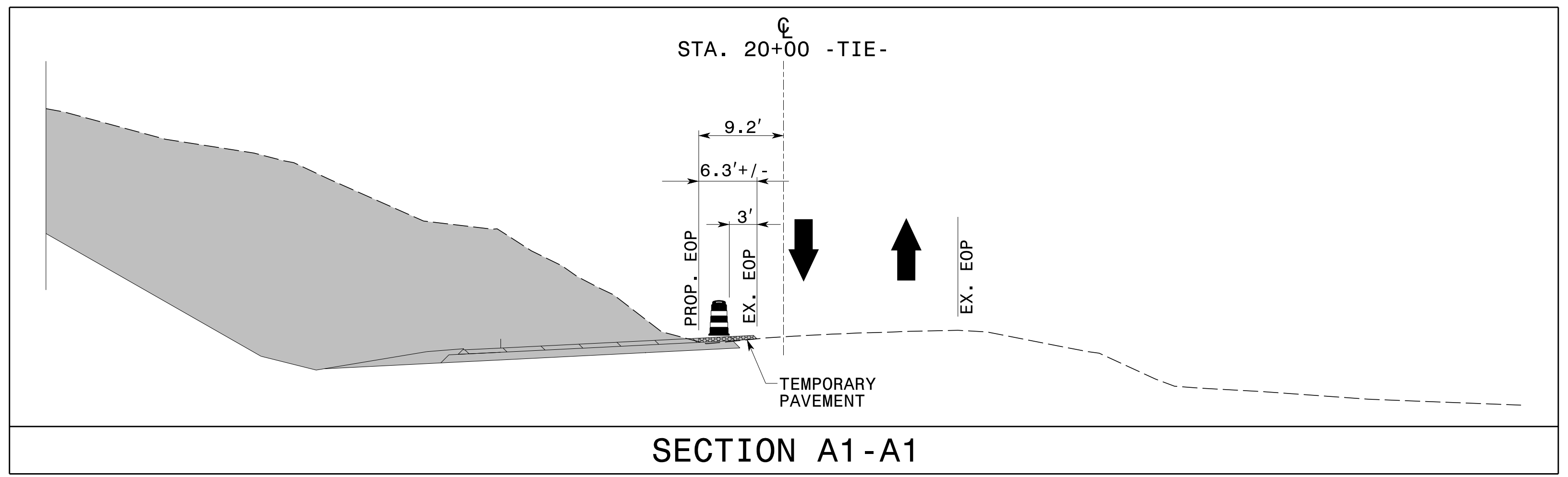
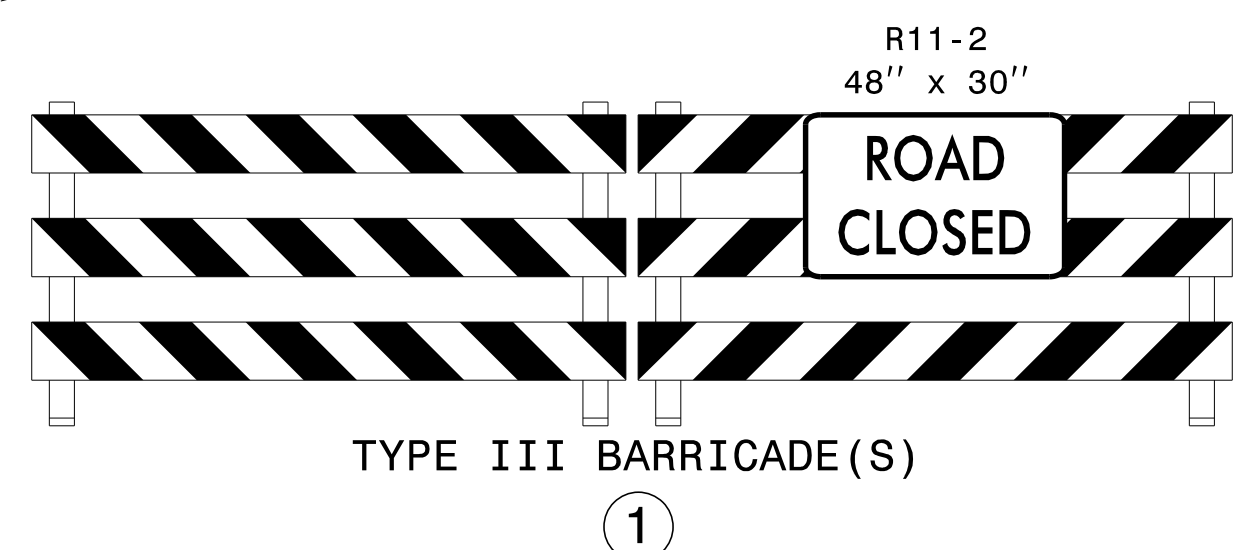
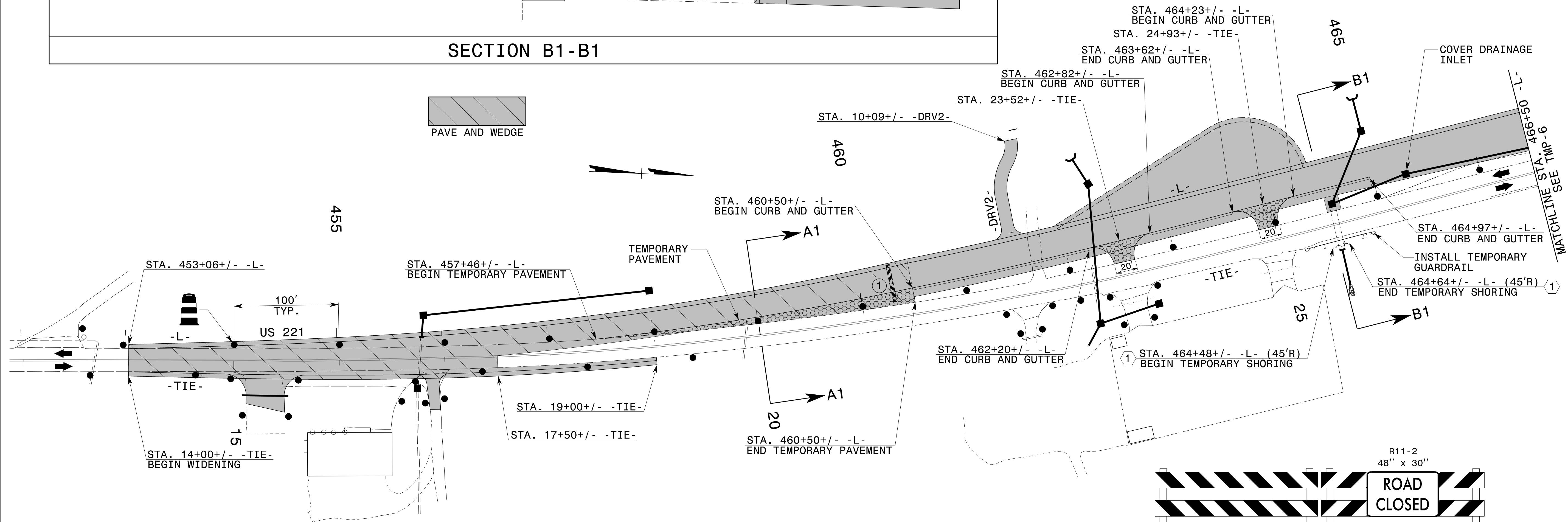
APPROVED: *J. W. Woolard* DATE: 10/30/2014



## PHASE I OVERVIEW



Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
①	5.4 FT.	87 SQ. FT.



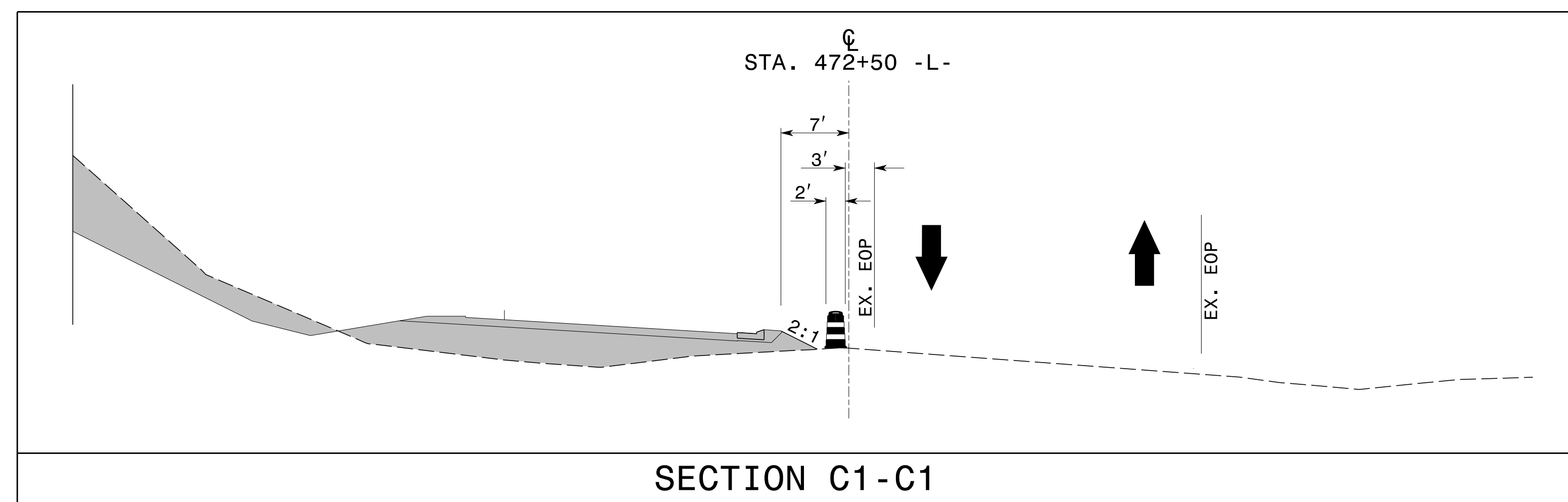
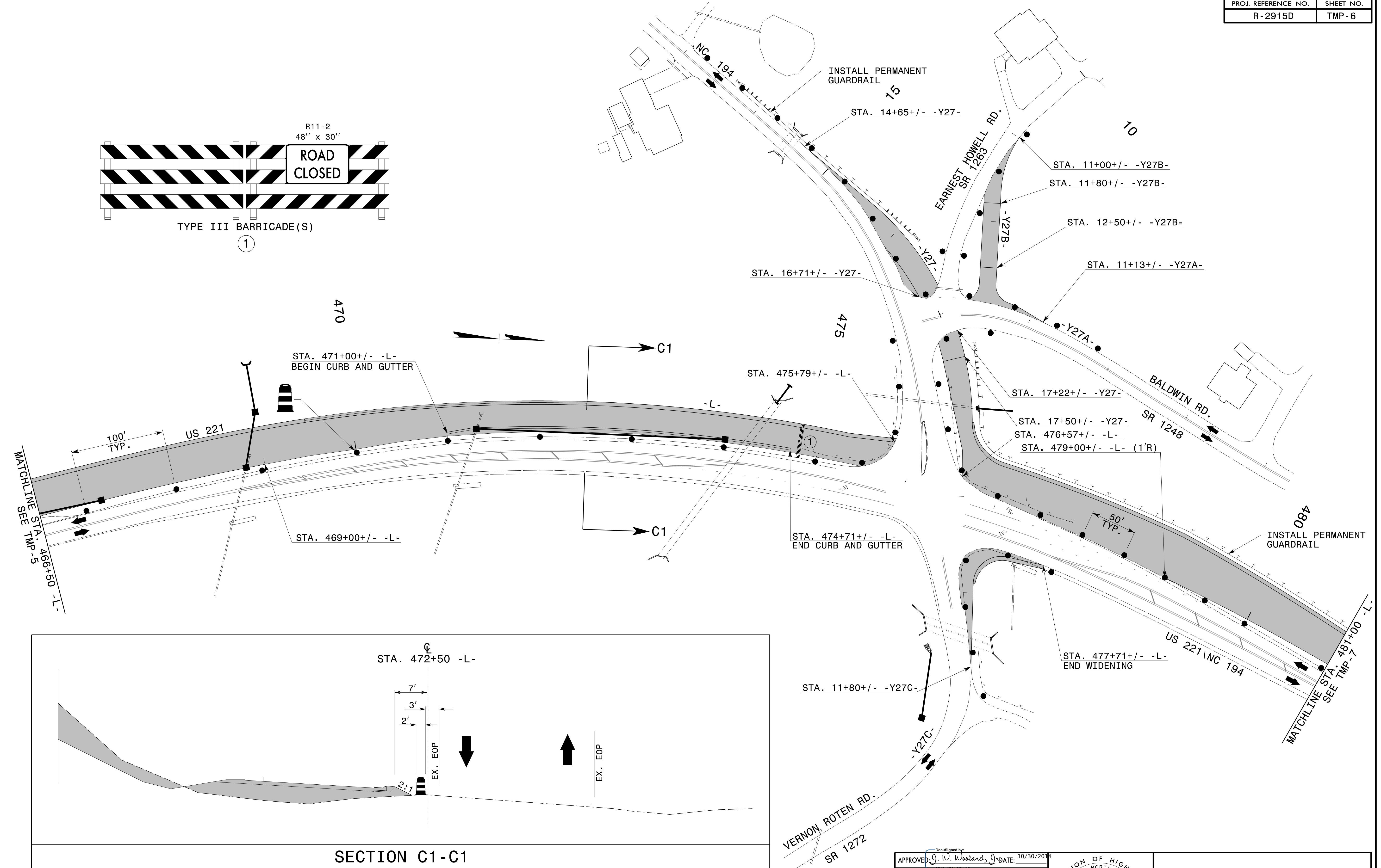
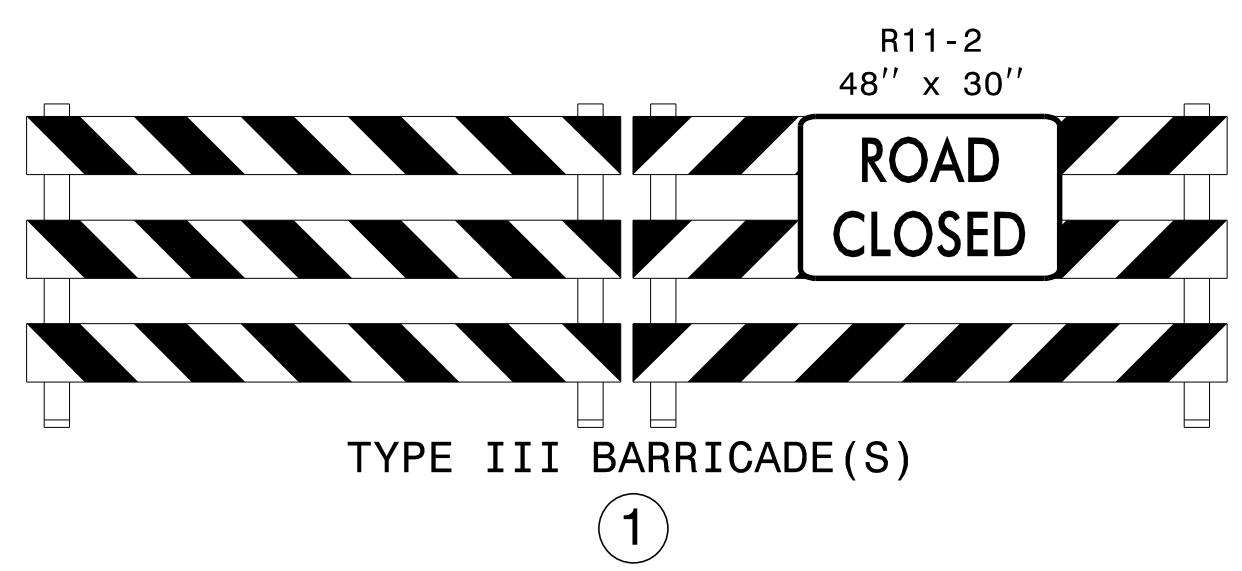
APPROVED: *J. W. Woolard* DATE: 10/30/2014

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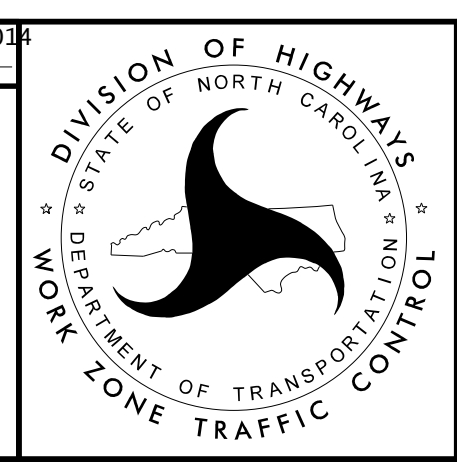
DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
WORK ZONE TRAFFIC CONTROL

PHASE I DETAILS

10/24/2014 p:\t\p\c\projects-r\2915d\trafficcontrol\cp\R2915D\_TC\_PHL\_TMP05.dgn User:scodts

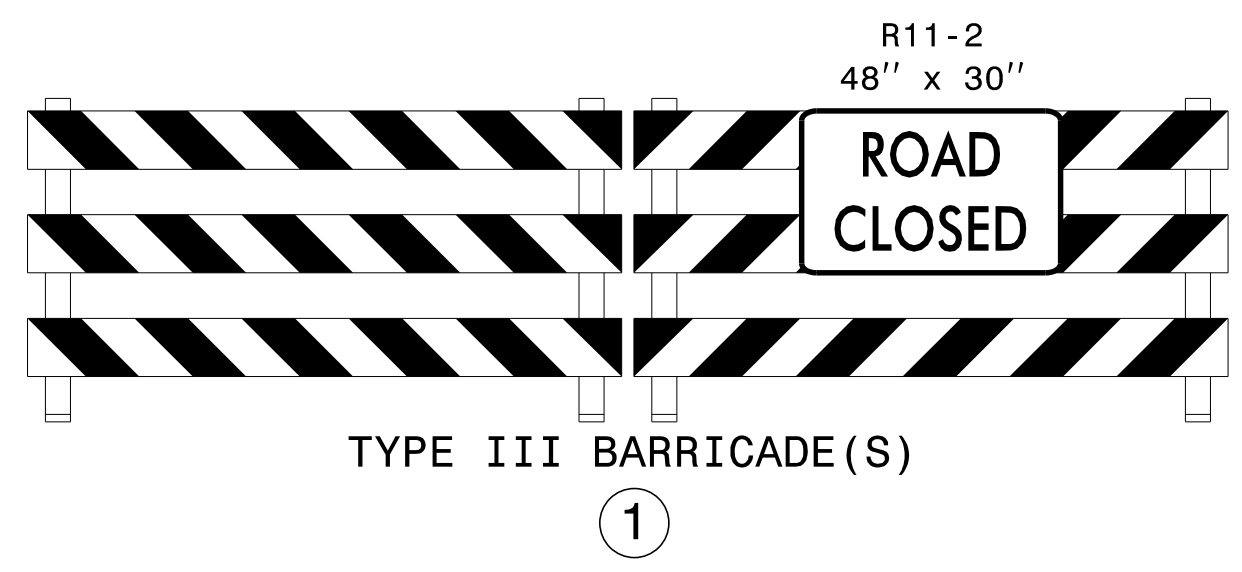
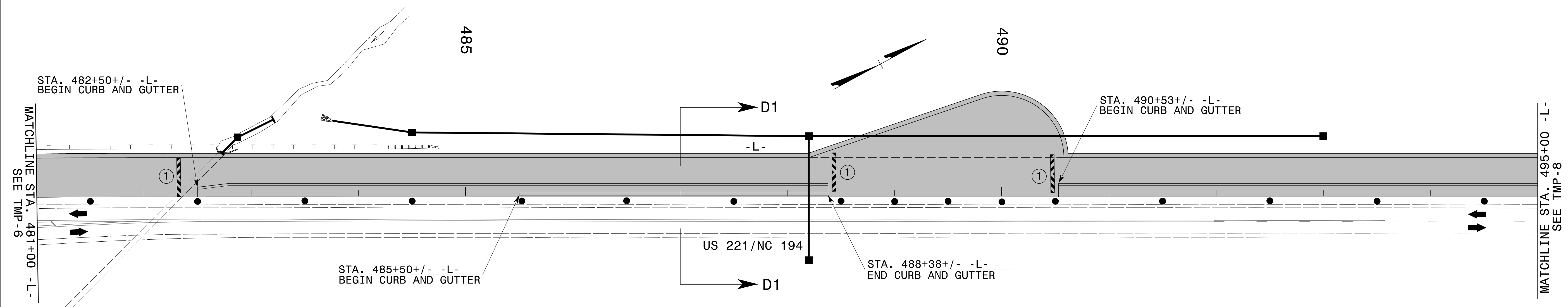
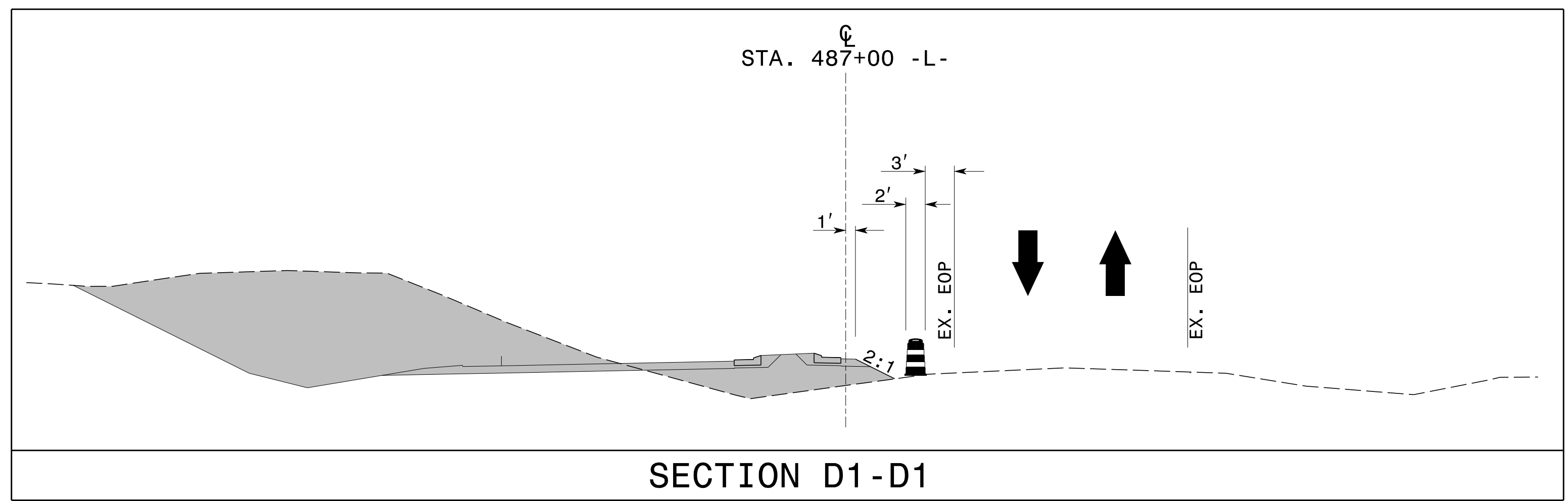


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NORTH CAROLINA  
PROFESSIONAL  
SEAL  
19862  
ENGINEER  
J. W. WOOLARD



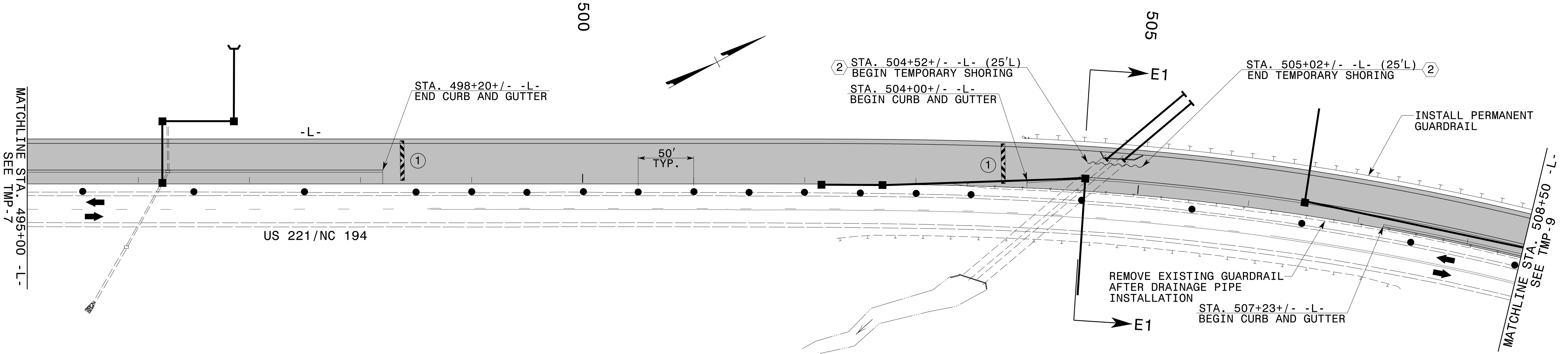
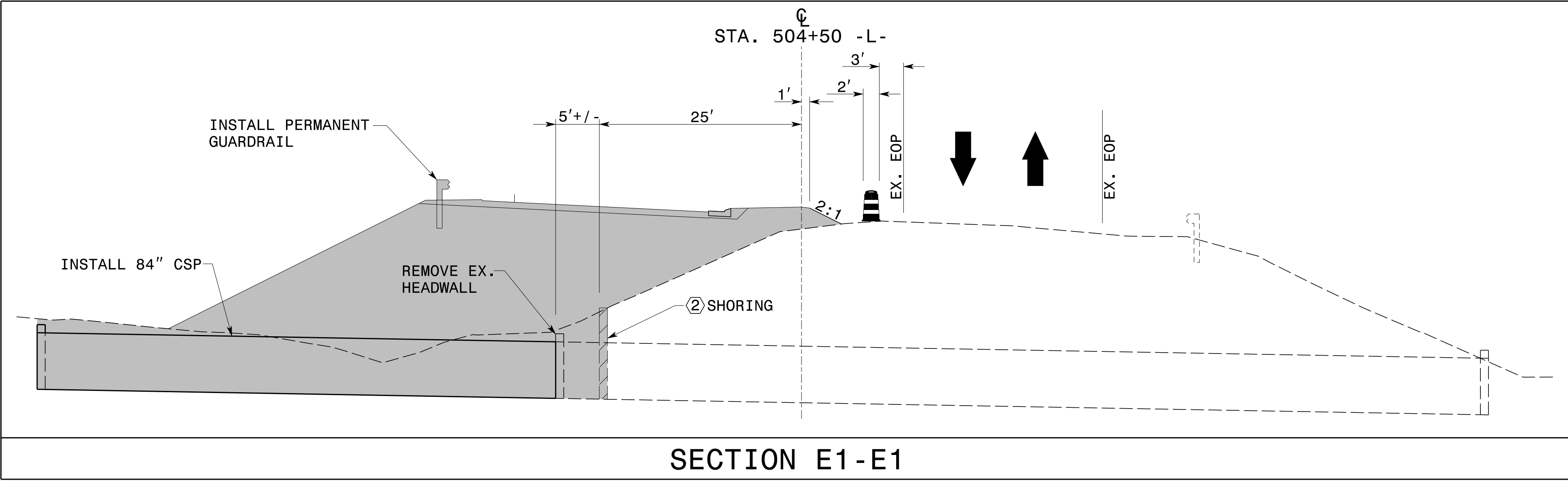
PHASE I DETAILS

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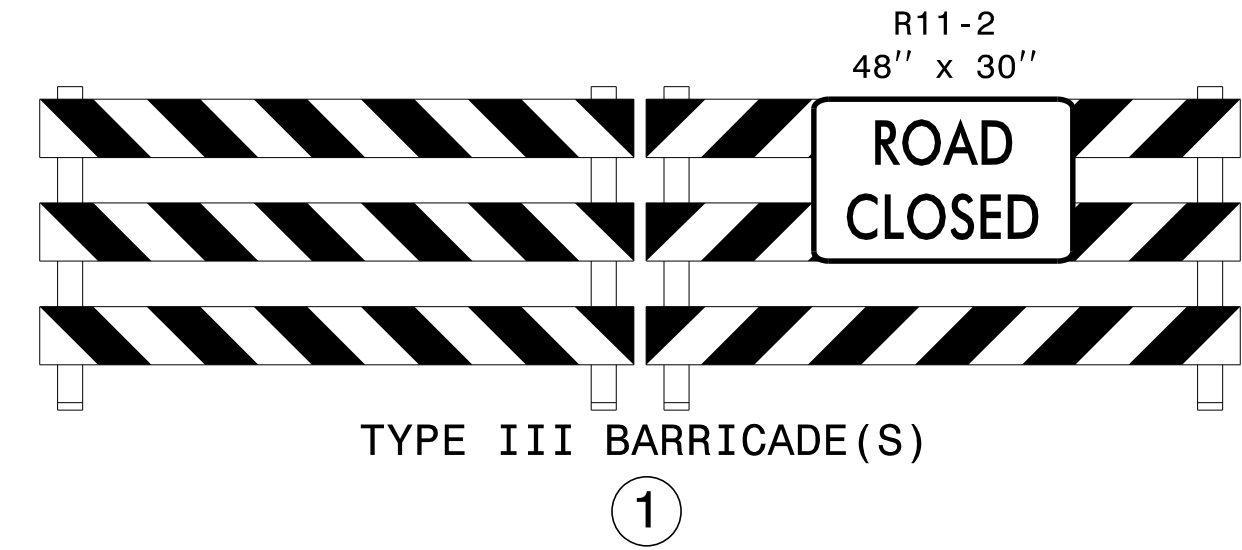


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Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
②	7.8 FT.	390 SQ. FT.



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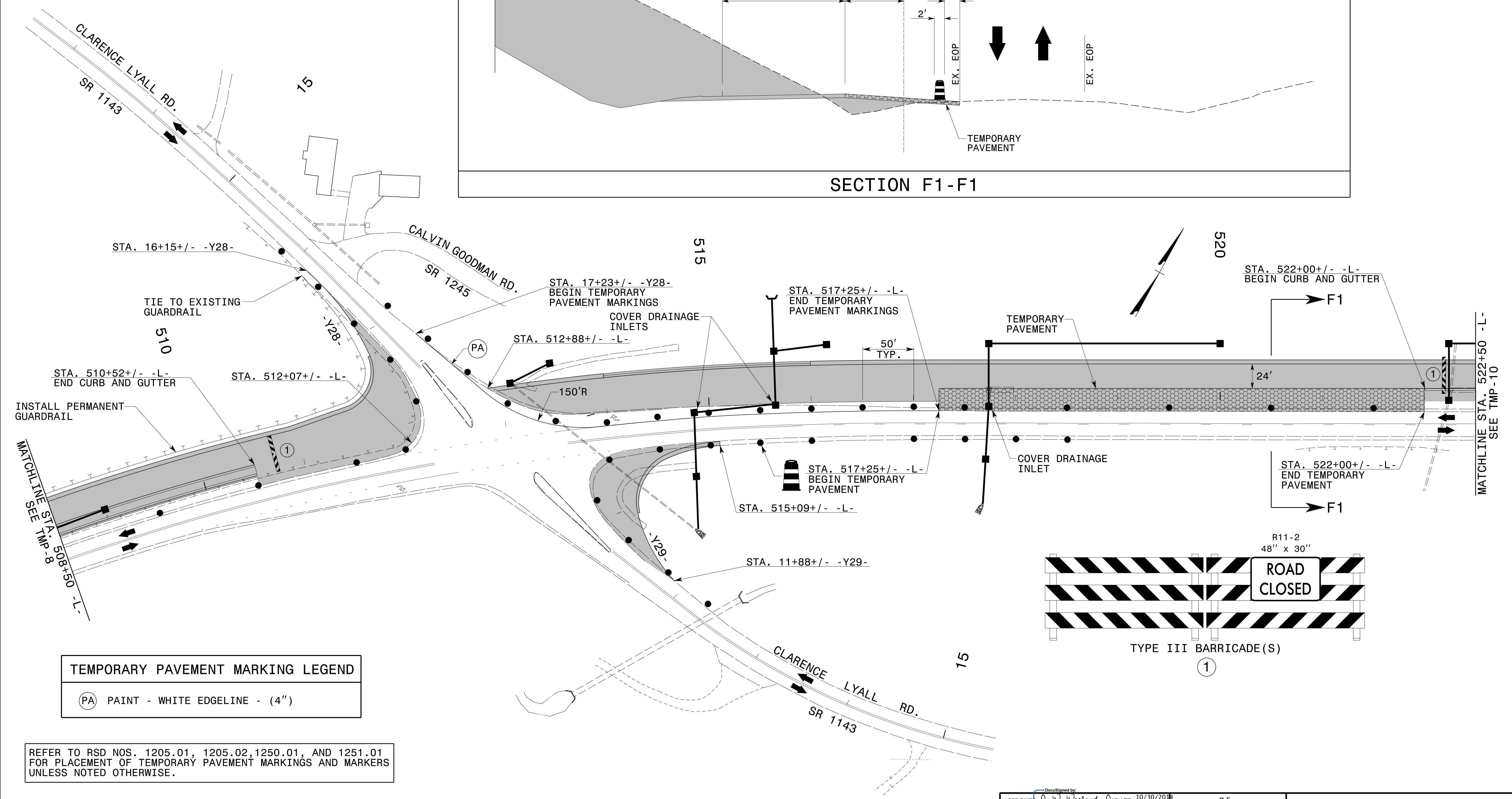
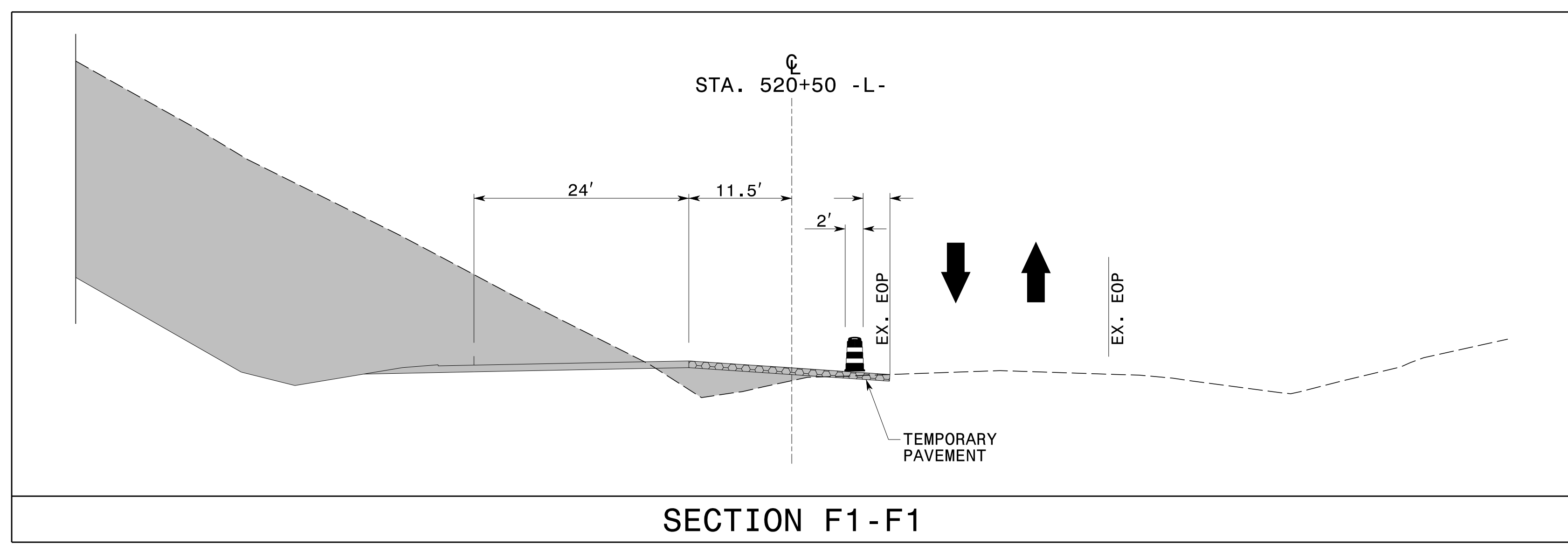
DocuSign by: *J. W. Woolard*

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PHASE I DETAILS

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 User:tscoodts



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")

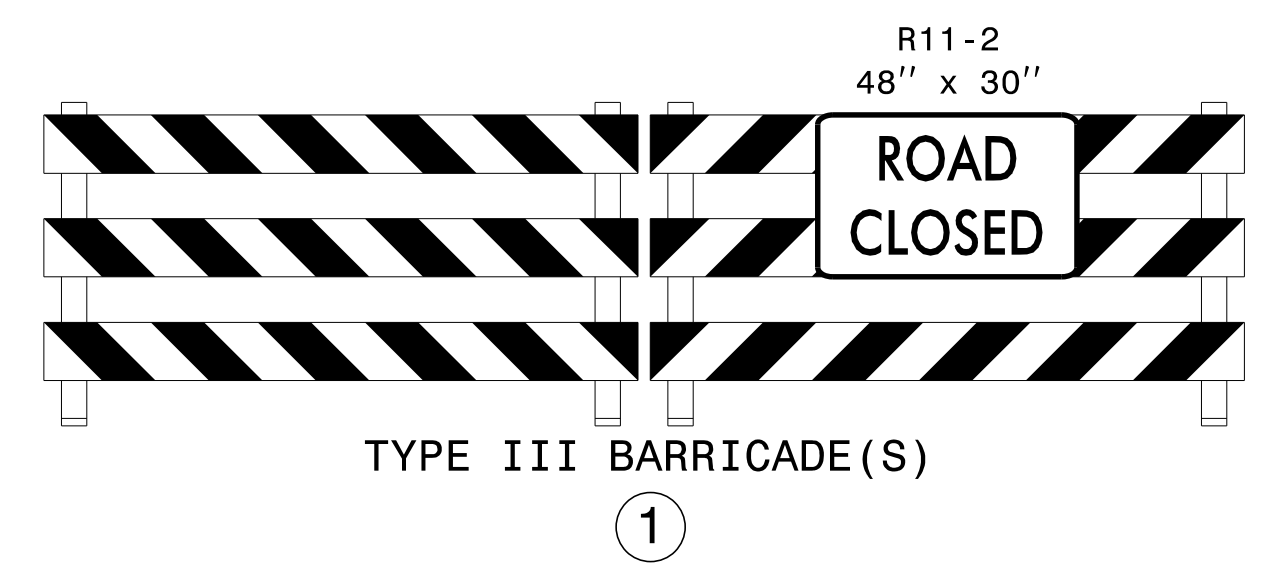
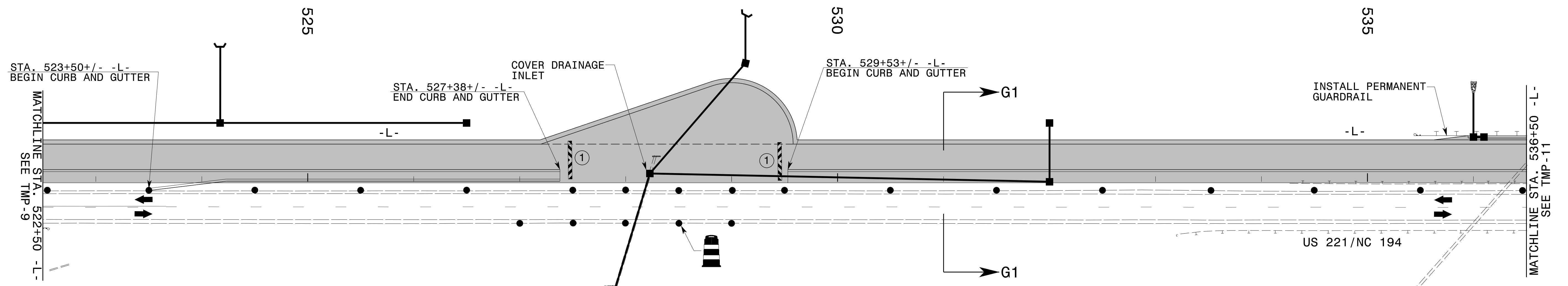
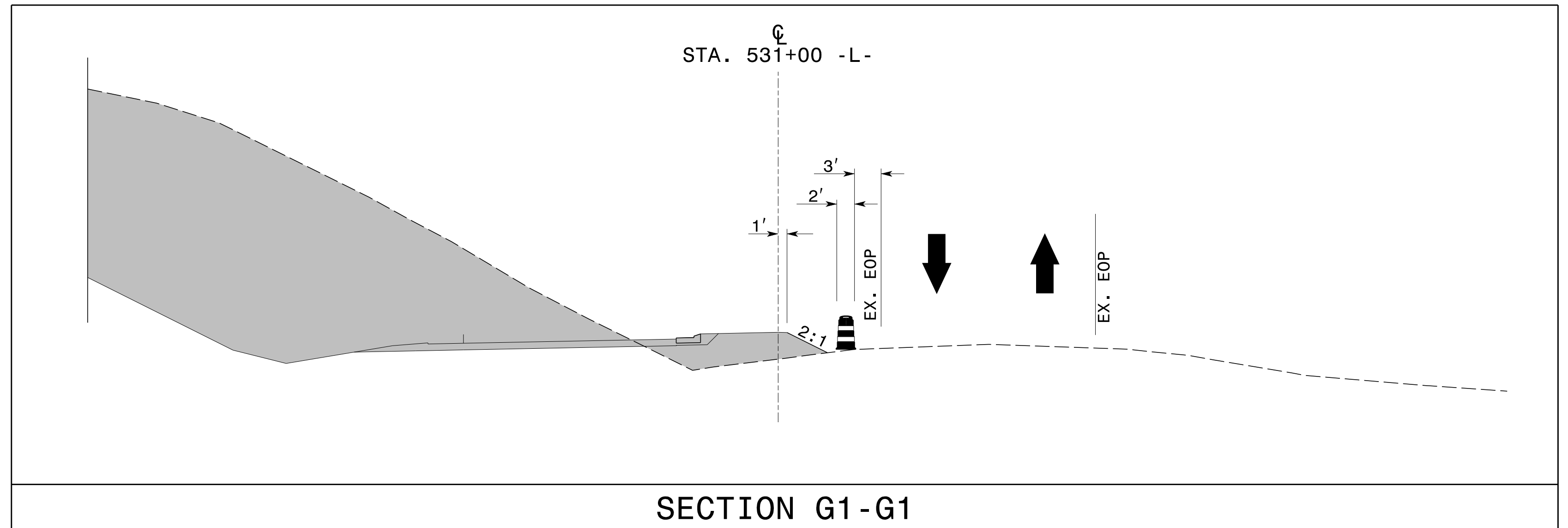
REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

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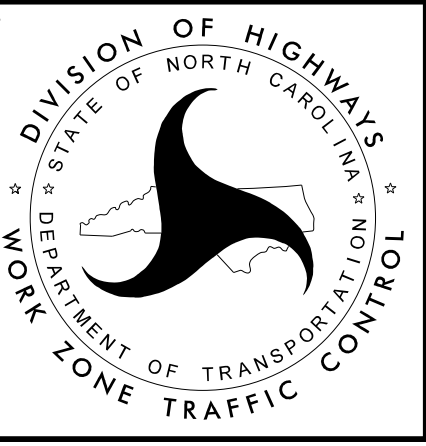
SEAL

PHASE I DETAILS

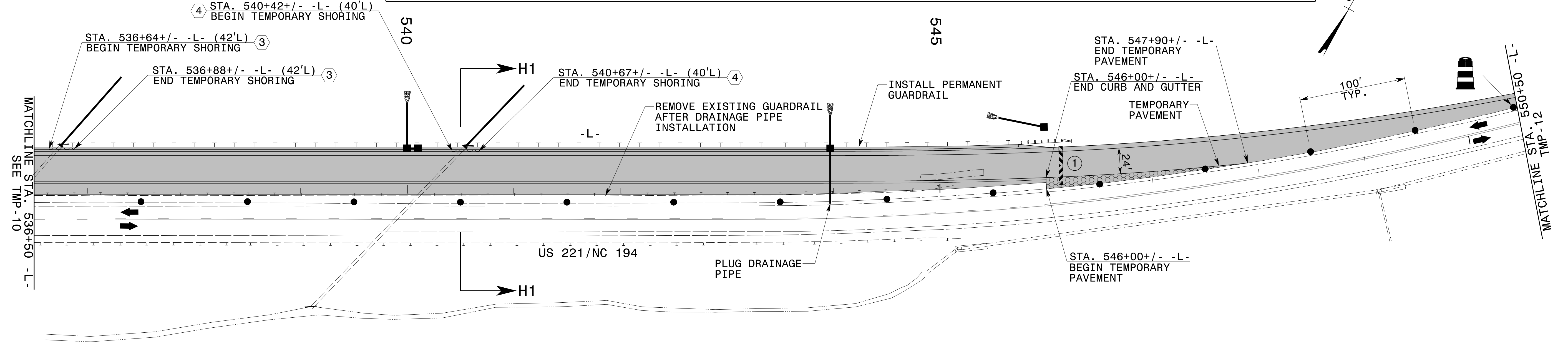
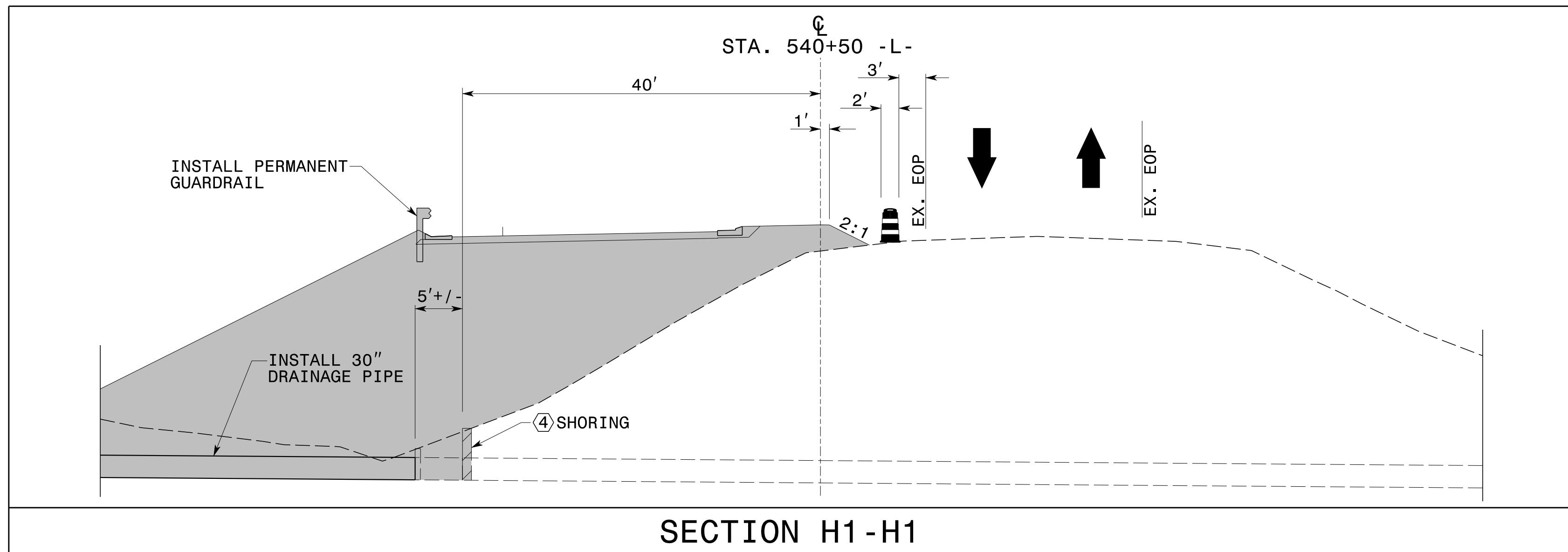


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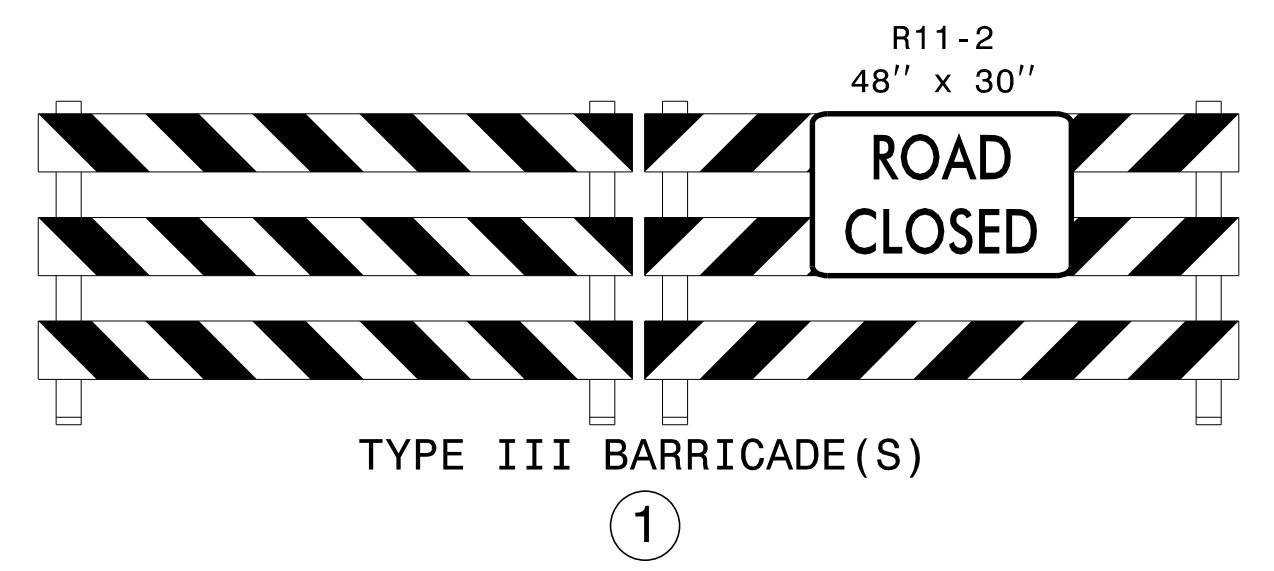
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**PHASE I DETAILS**



Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
③	8.4 FT.	202 SQ. FT.
④	5.5 FT.	138 SQ. FT.



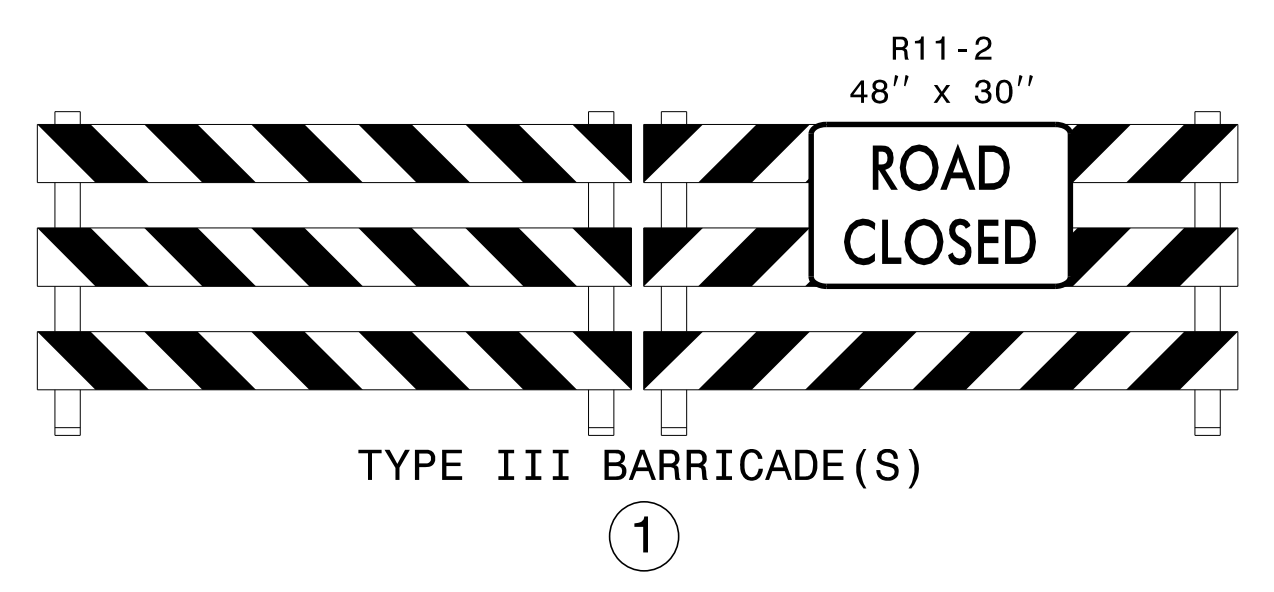
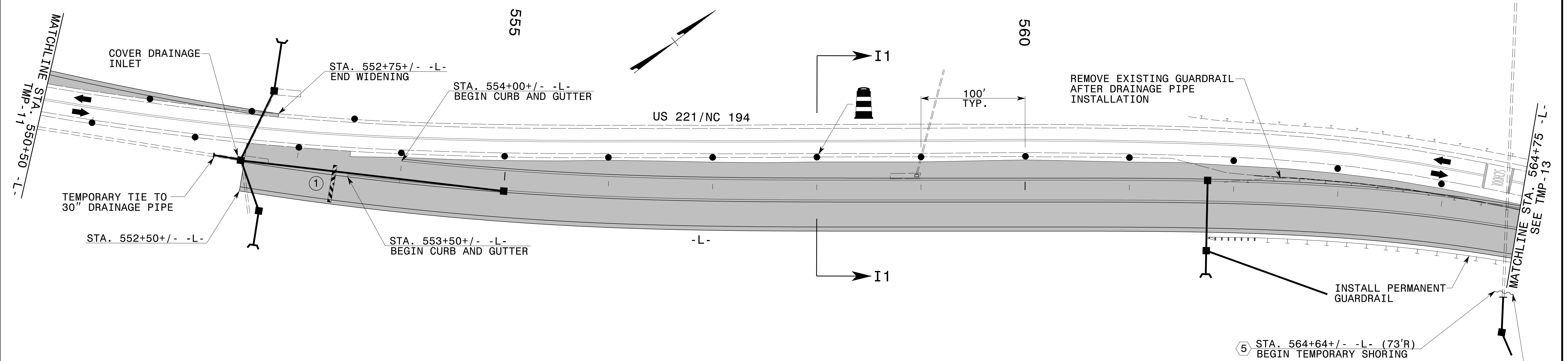
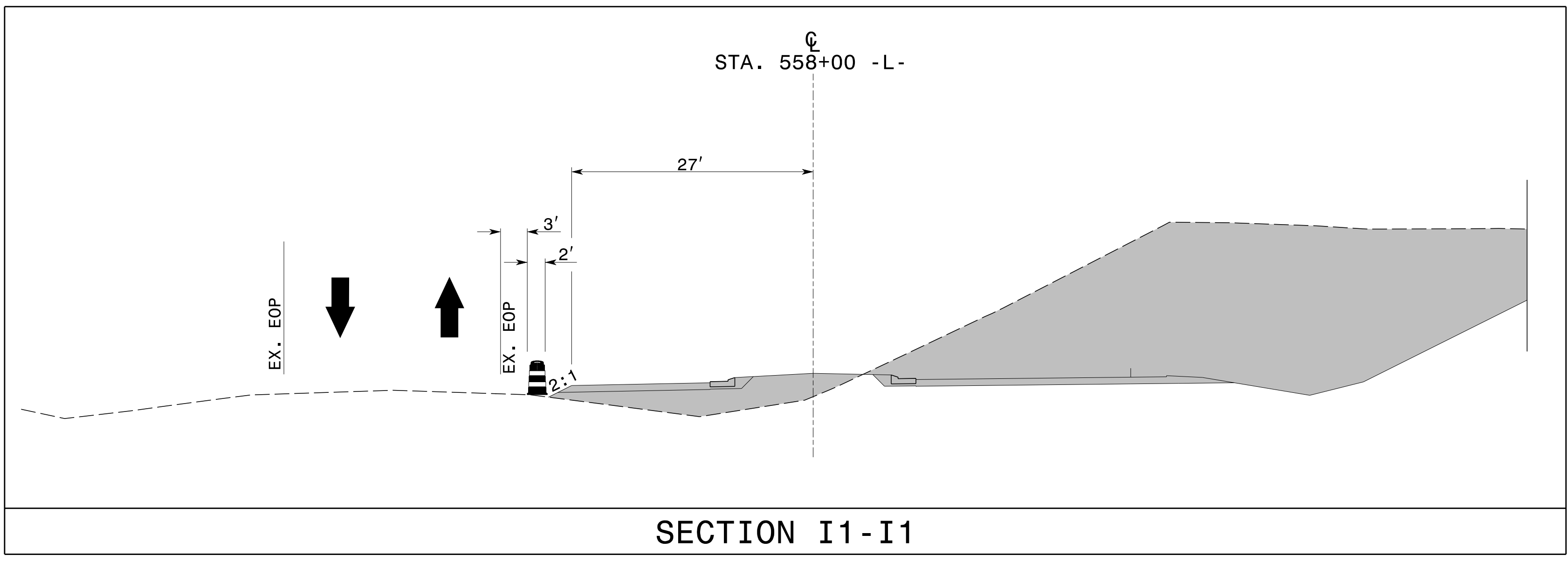
APPROVED: *J. W. Woolard* DATE: 10/30/2014

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PHASE I DETAILS

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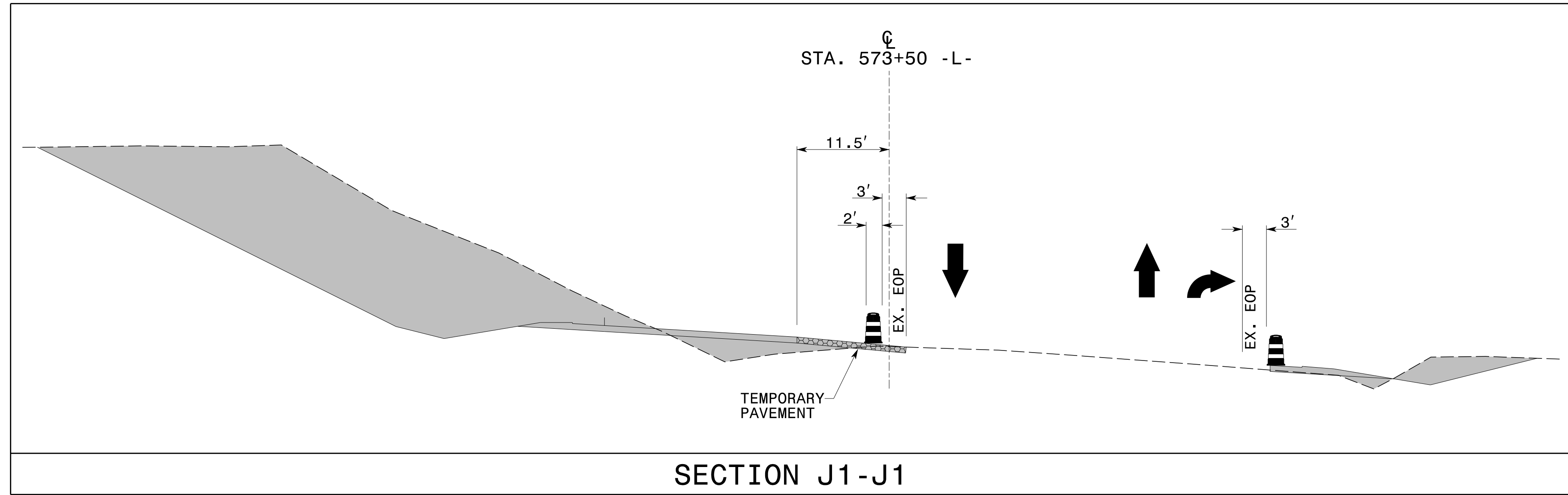


Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
⑤	13.4 FT.	242 SQ. FT.

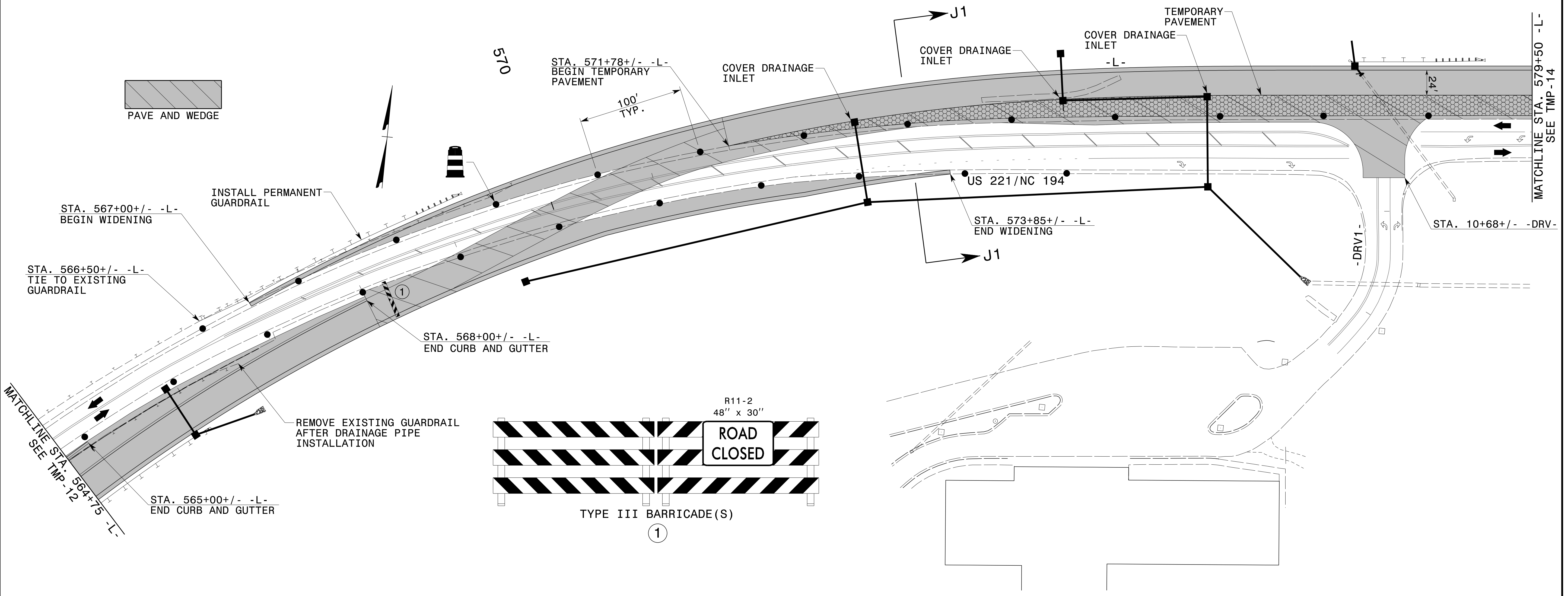
- ⑤ STA. 564+64+/- -L- (73'R) BEGIN TEMPORARY SHORING
- ⑤ STA. 564+82+/- -L- (73'R) END TEMPORARY SHORING

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575

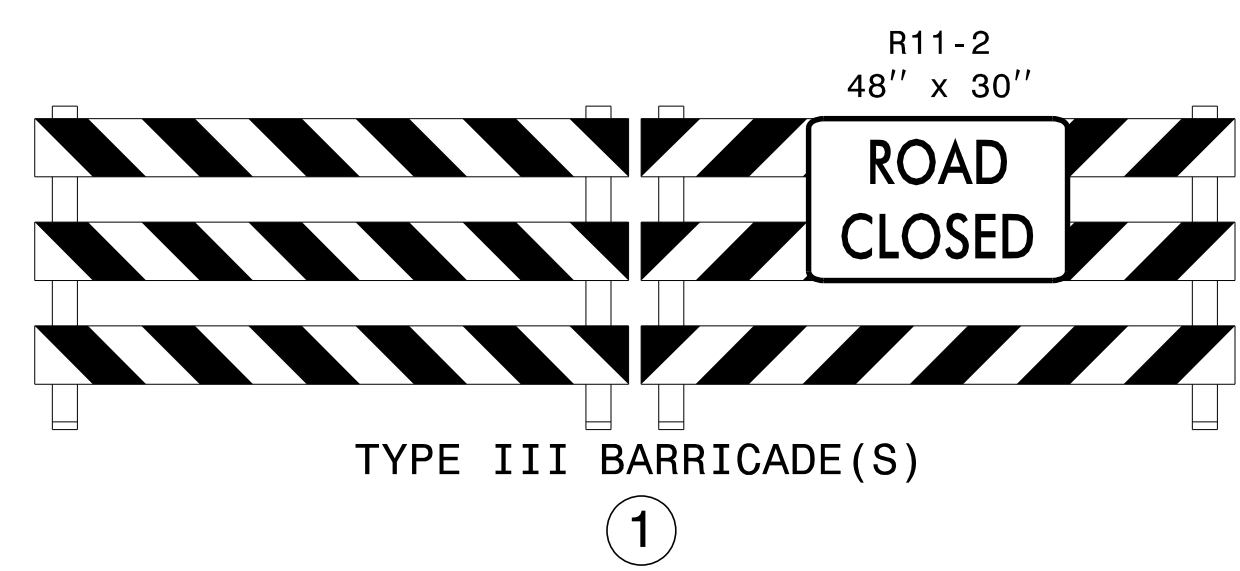
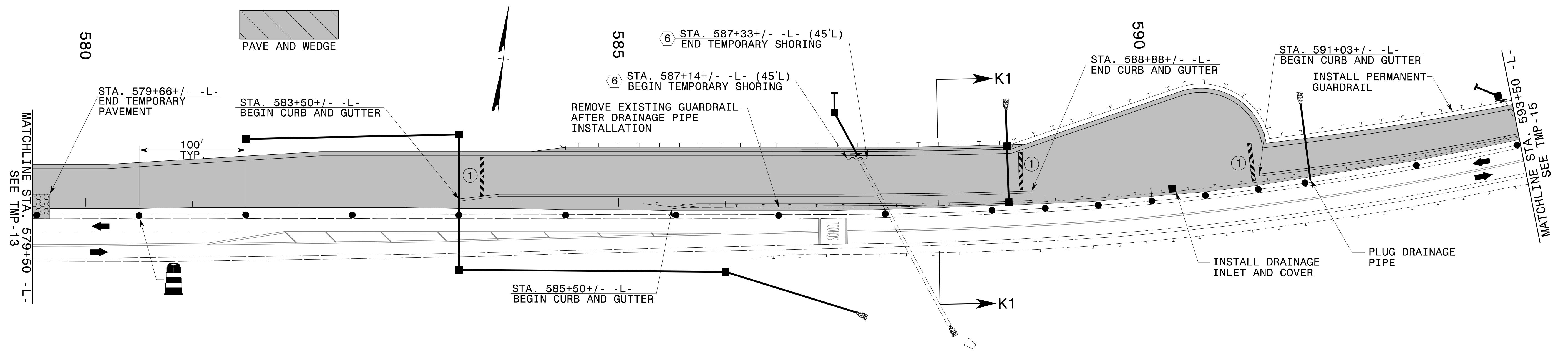
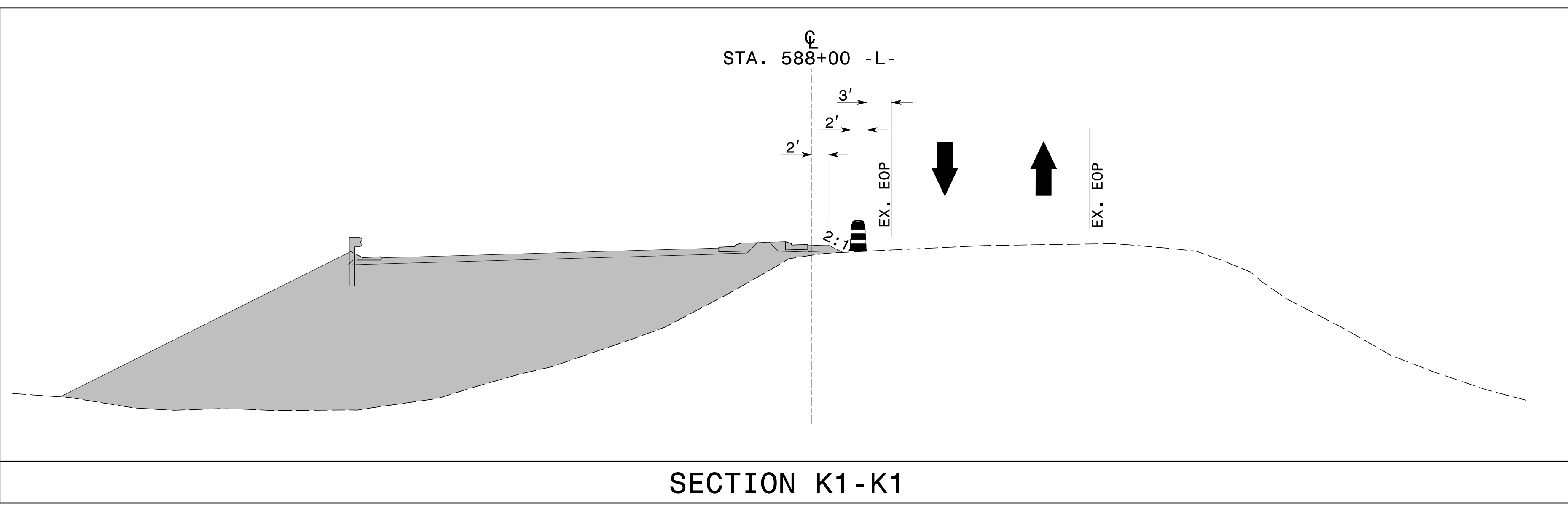


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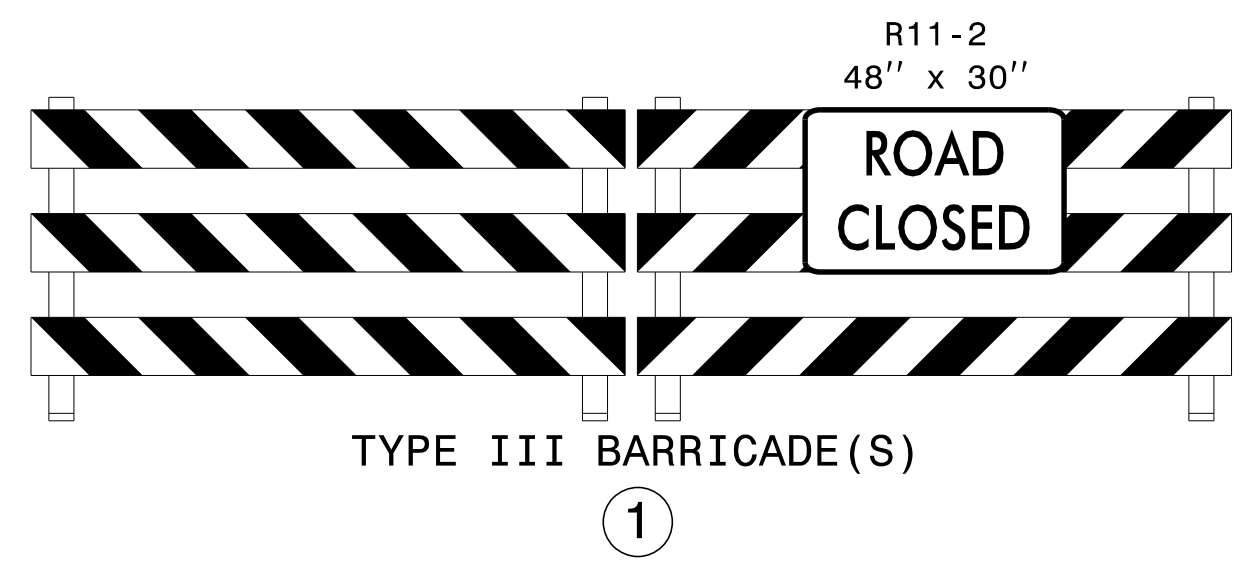
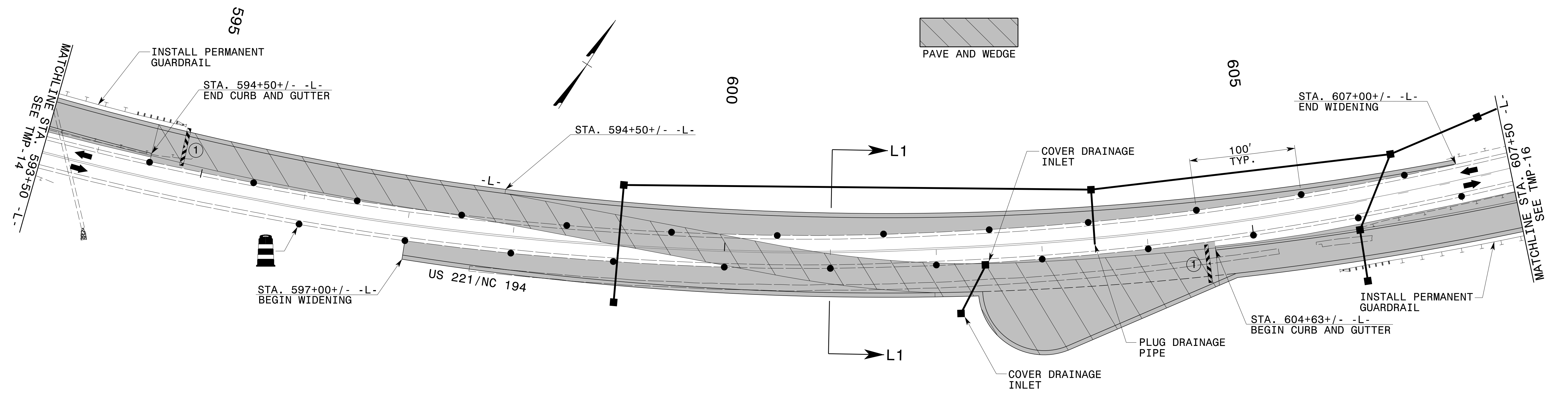
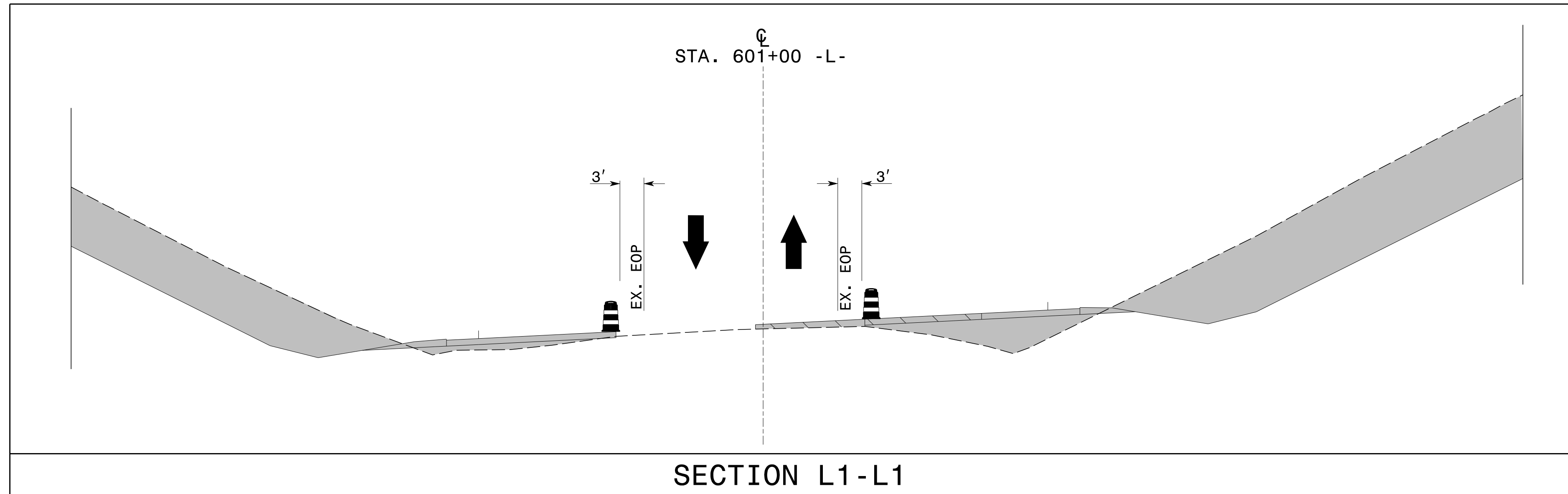
Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
⑥	7.7 FT.	147 SQ. FT.

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DocuSign by: *J. W. Woolard*

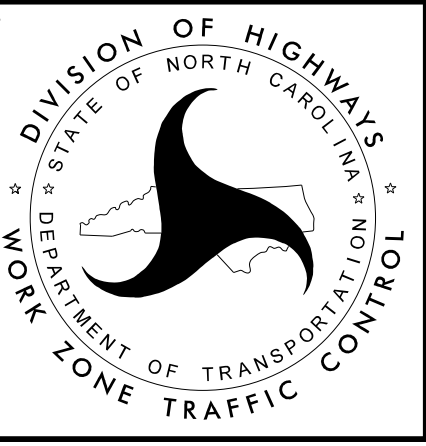
PHASE I DETAILS



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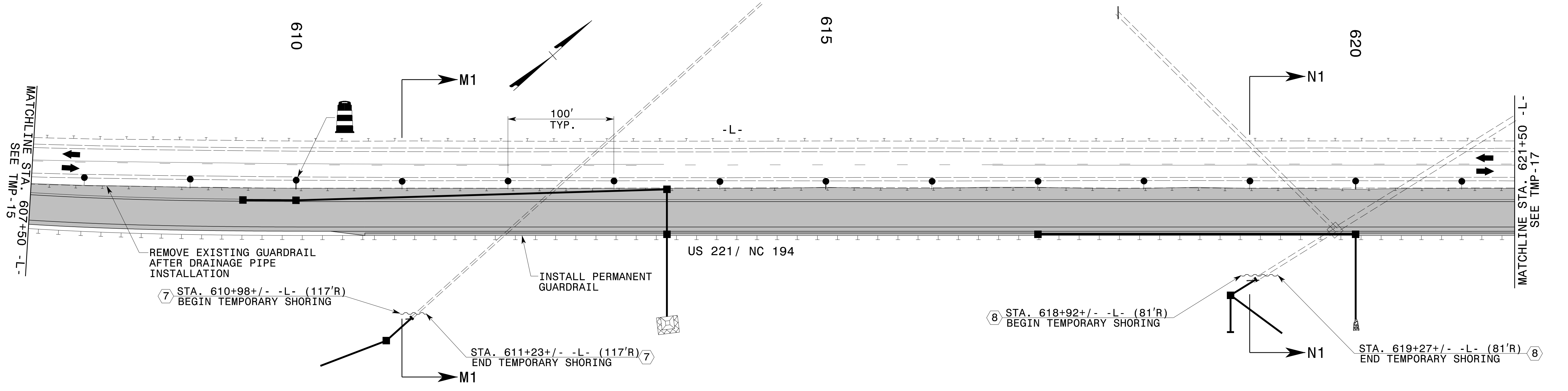
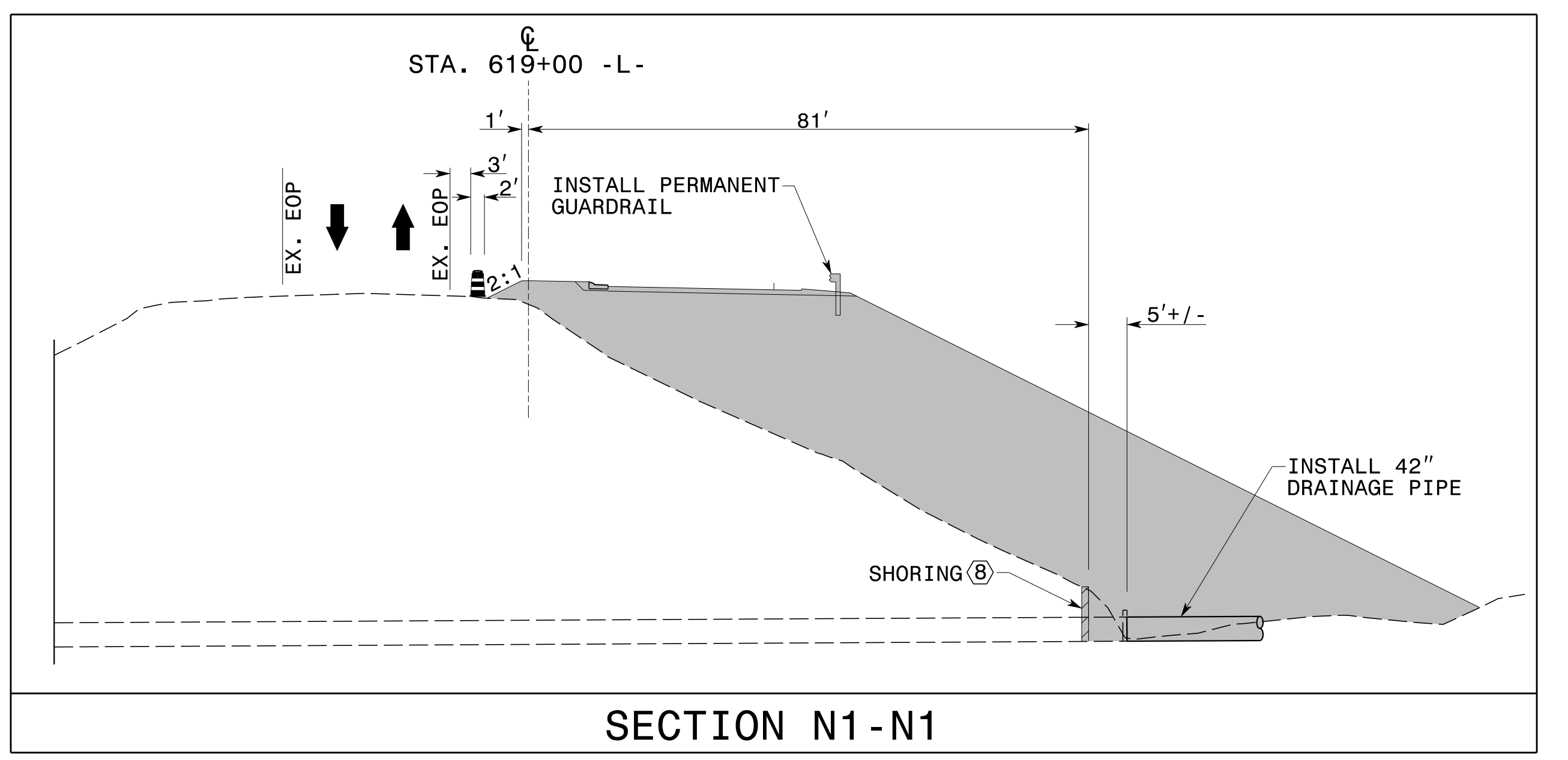
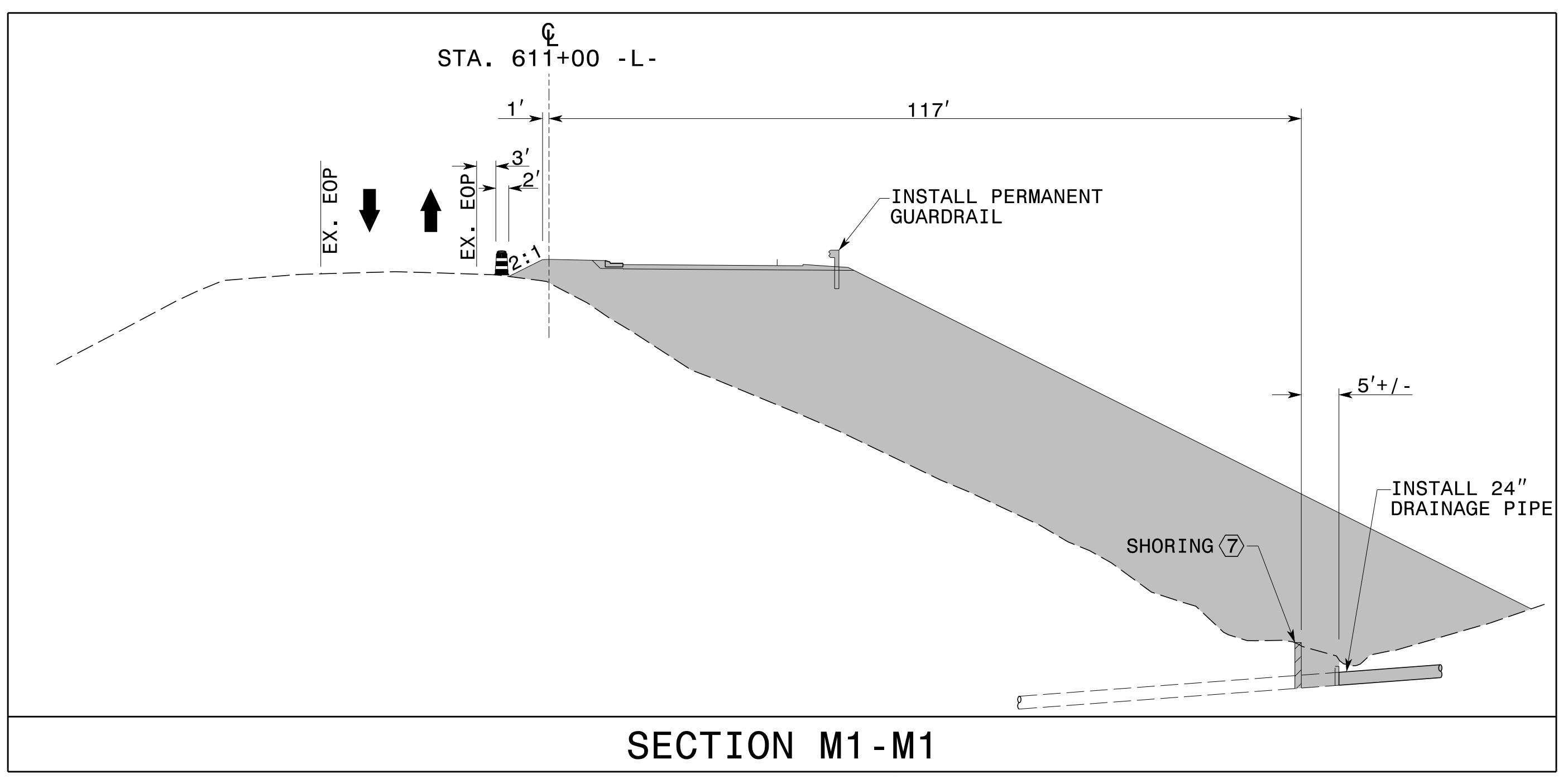
SEAL

PROFESSIONAL ENGINEER  
19862  
J. W. WOOLARD



PHASE I DETAILS

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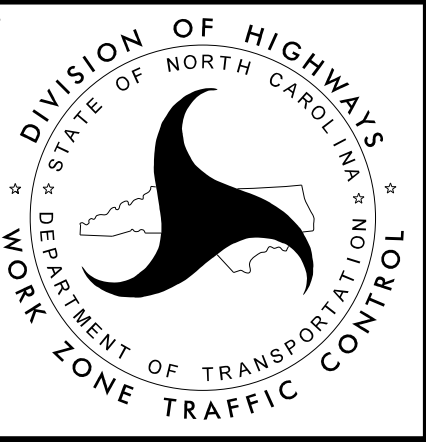


Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
7	6.5 FT.	163 SQ. FT.
8	7.5 FT.	263 SQ. FT.

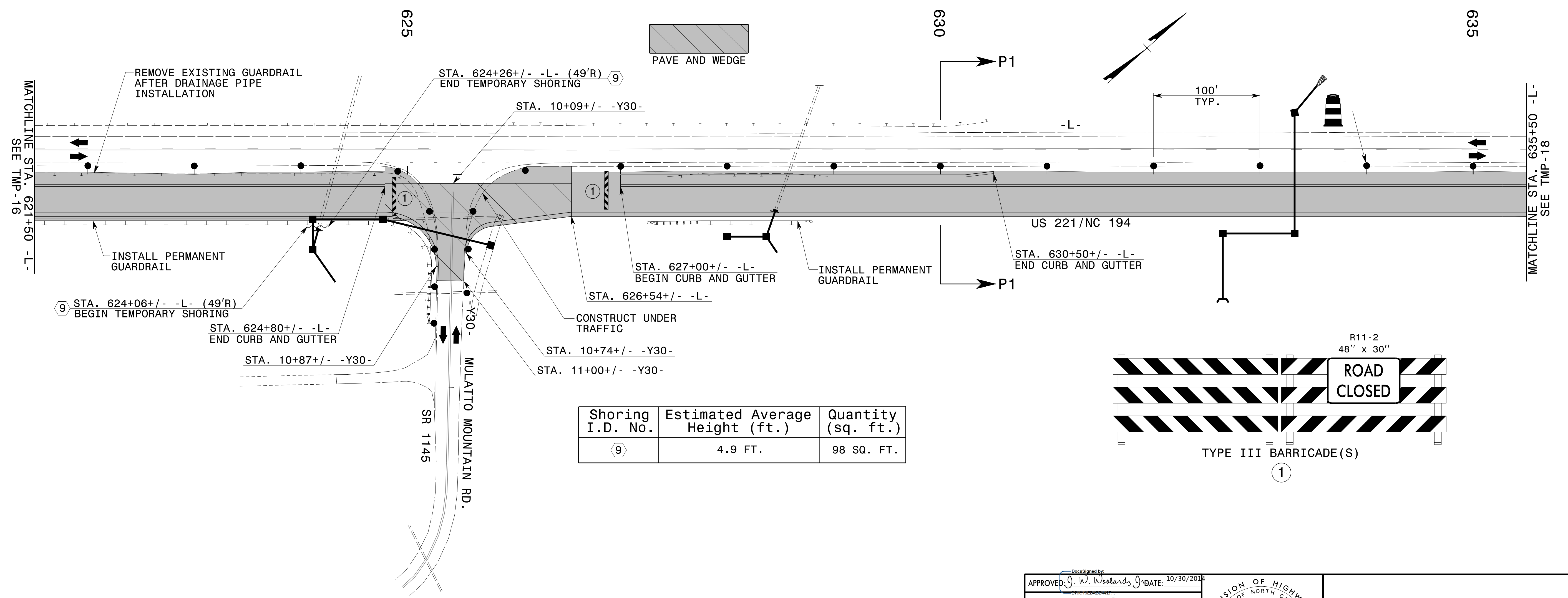
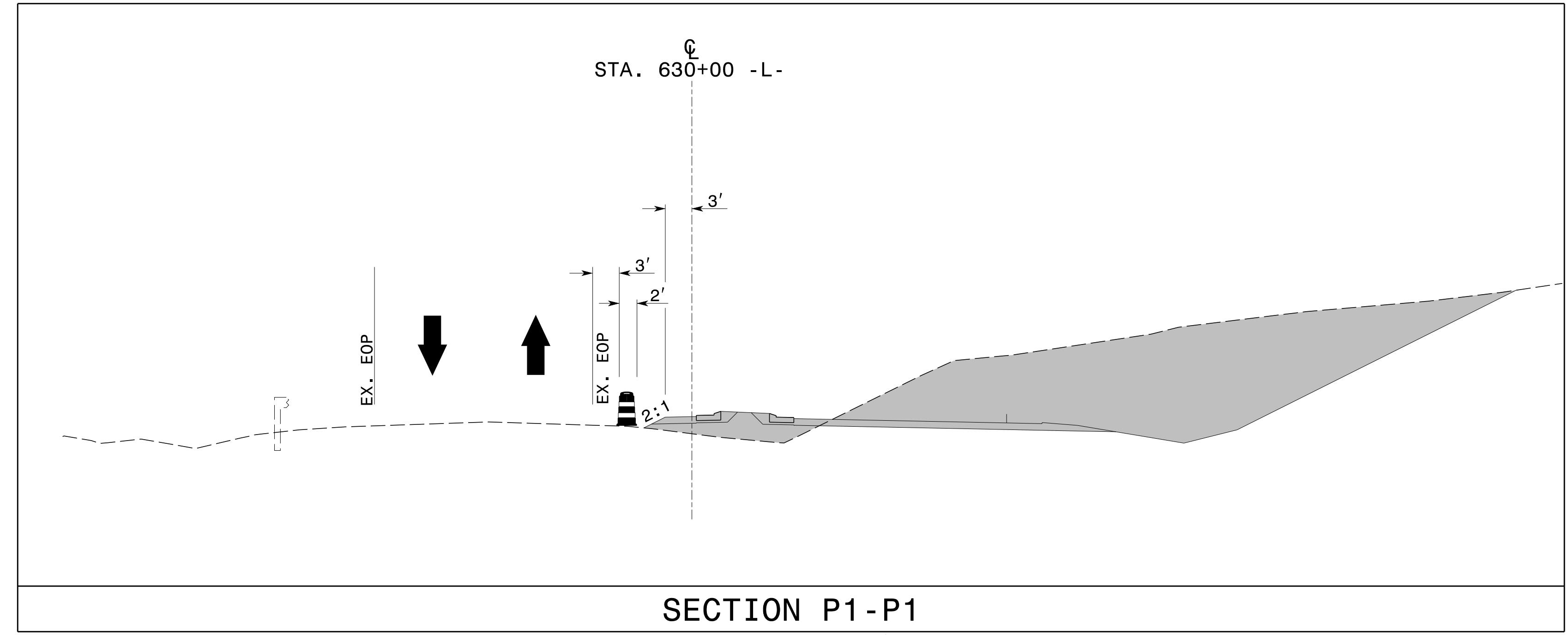
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

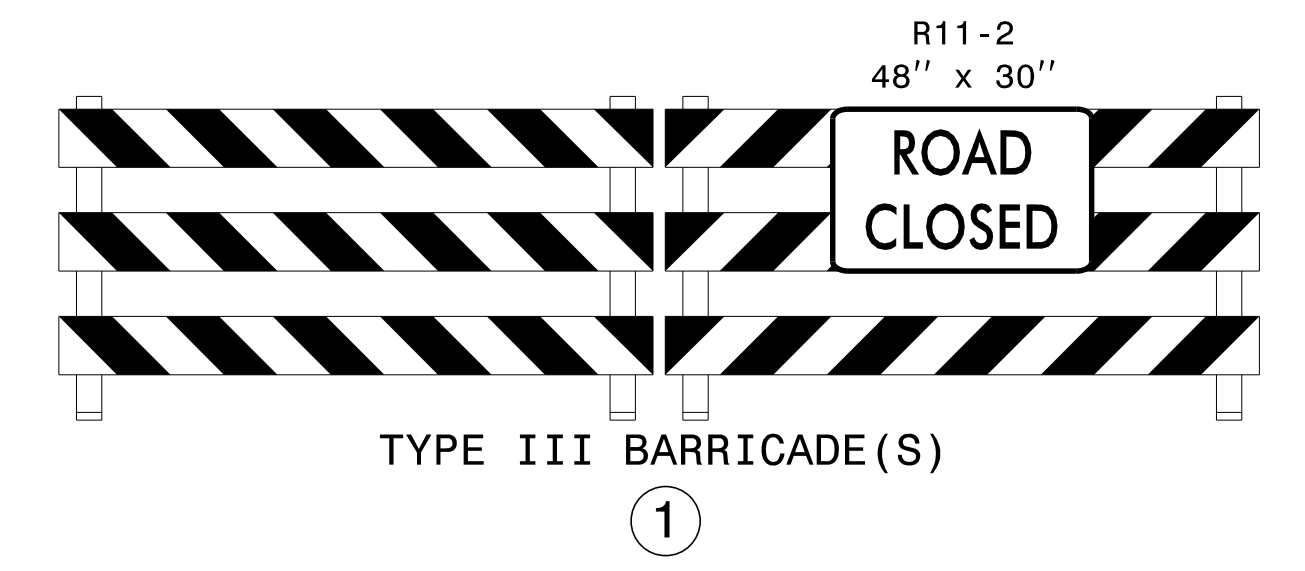
DocuSign by: *J. W. Woolard*



PHASE I DETAILS



Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
9	4.9 FT.	98 SQ. FT.



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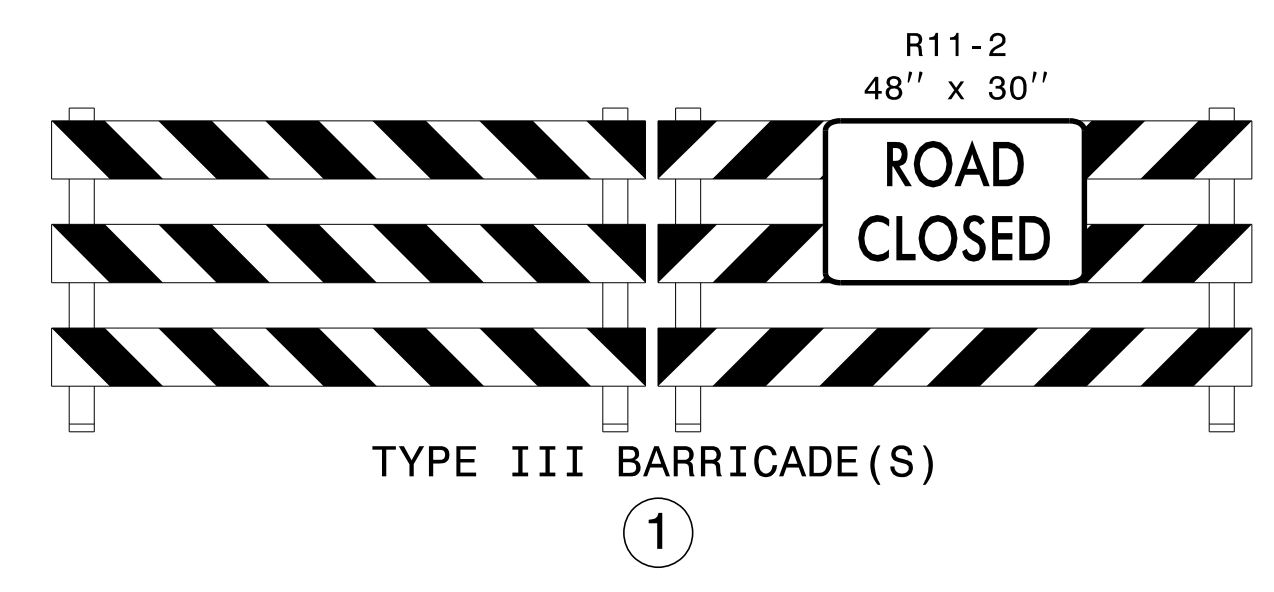
DocuSigned by:  
J. W. Woolard

SEAL

PHASE I DETAILS

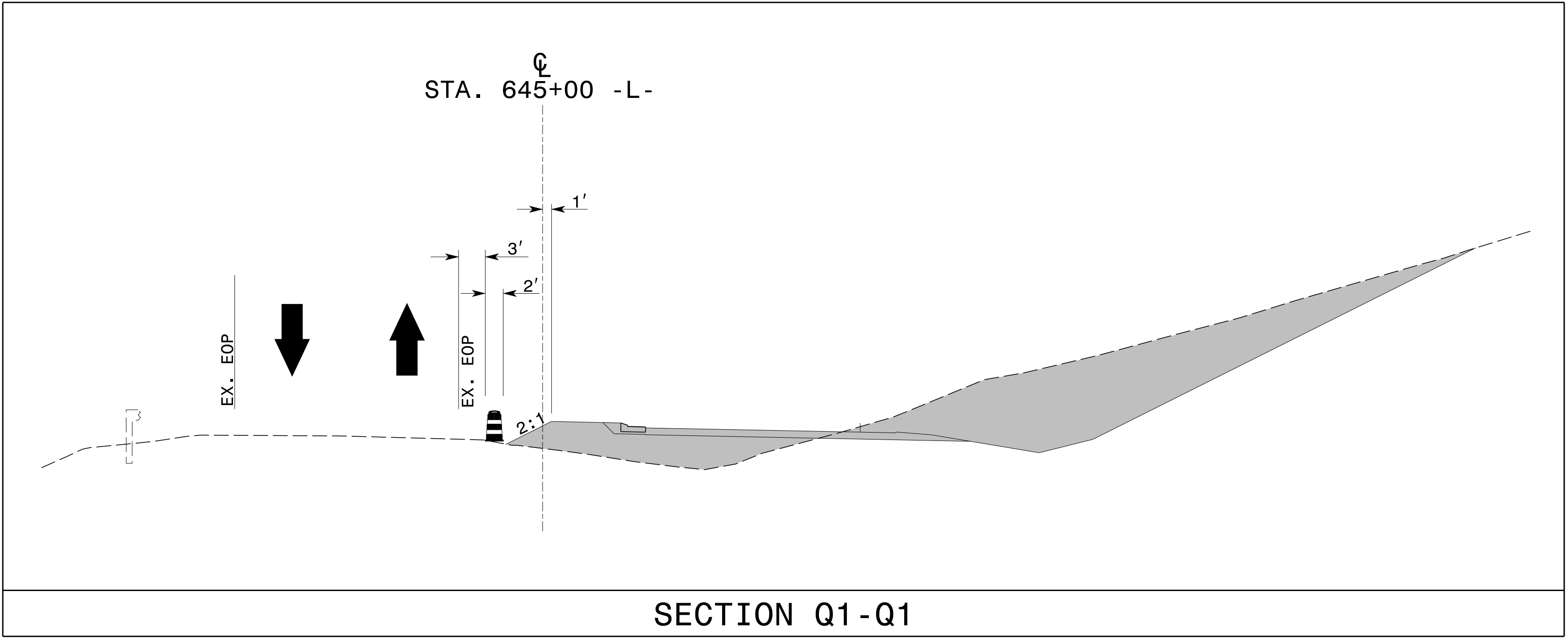
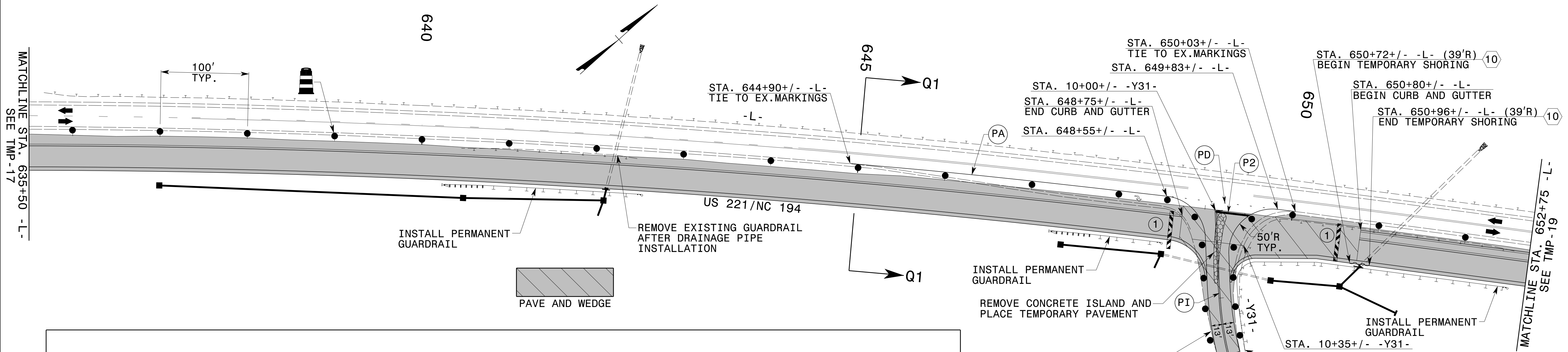
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TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")

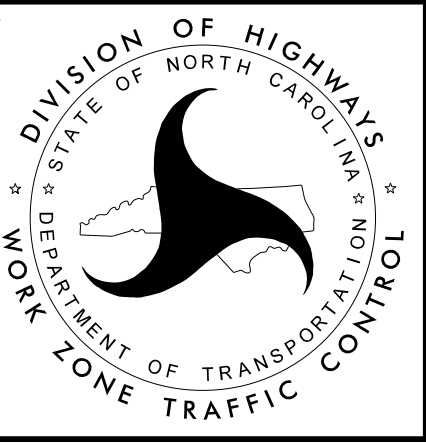
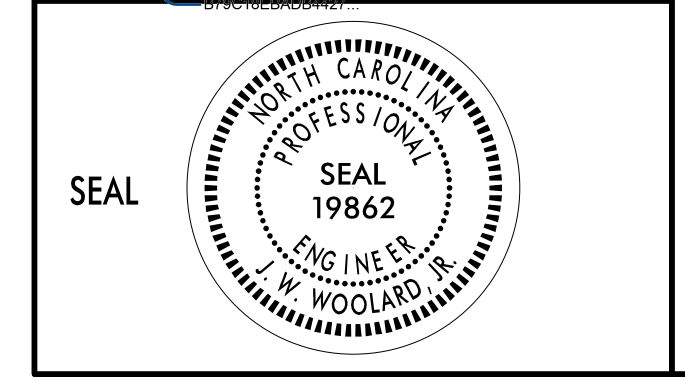


REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
(10)	6.6 FT.	159 SQ. FT.

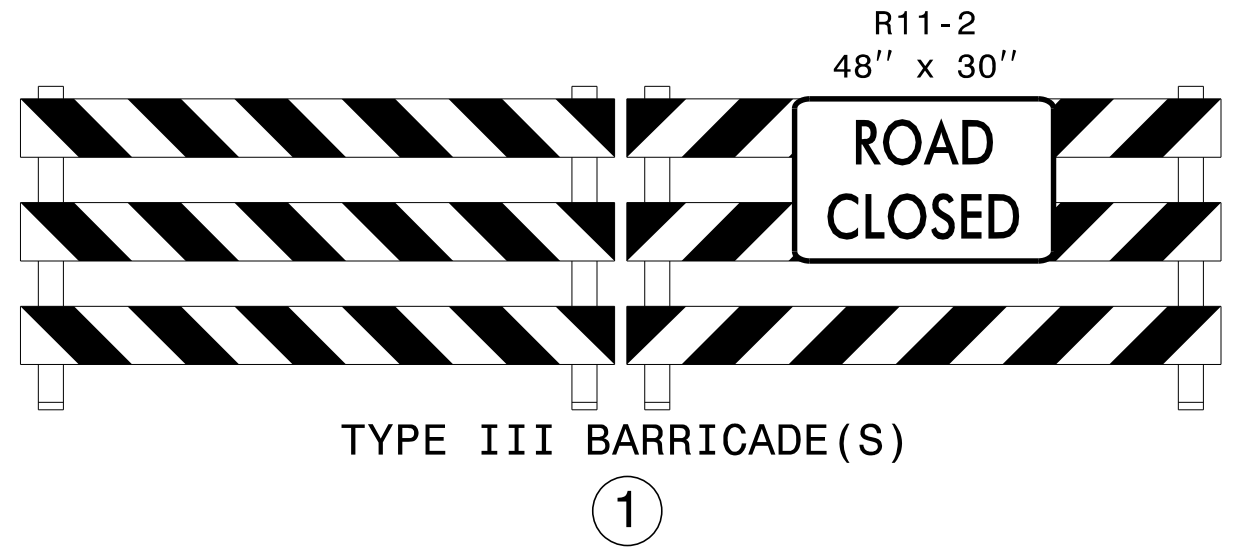
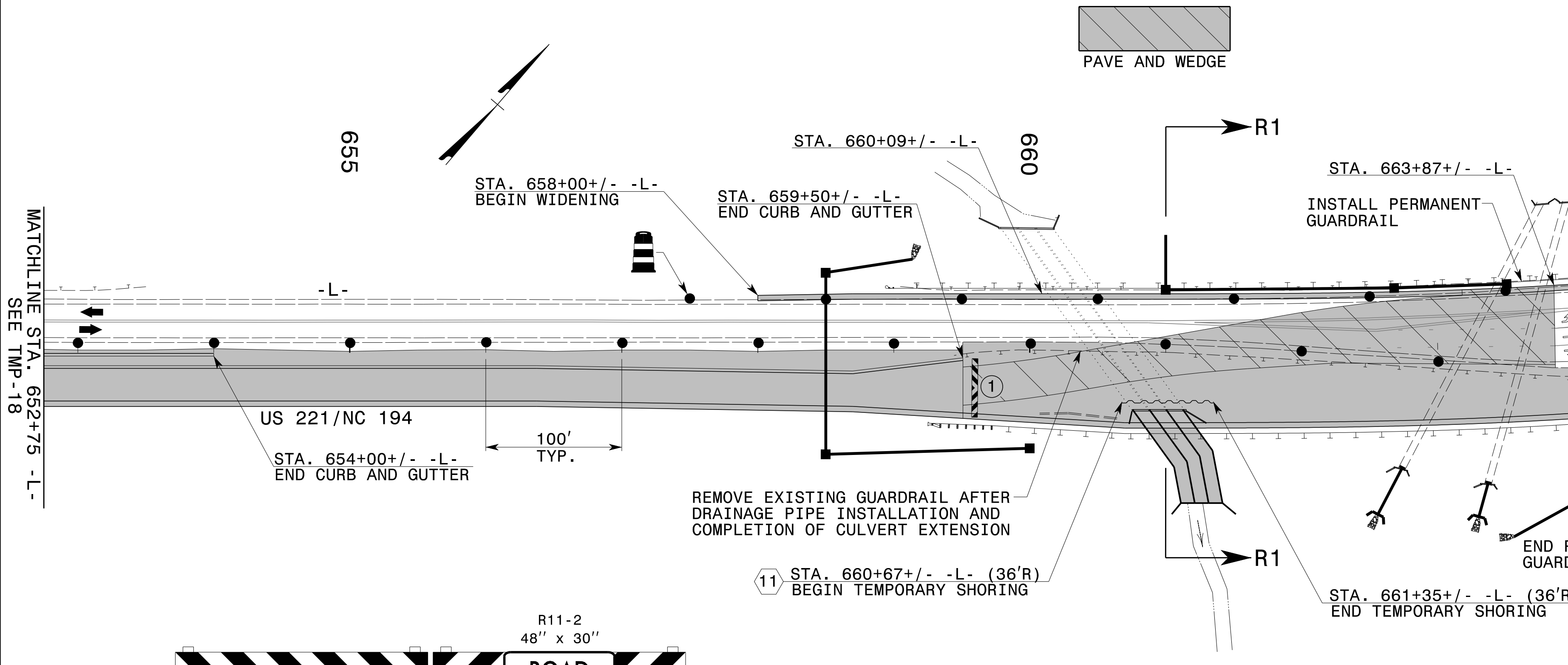
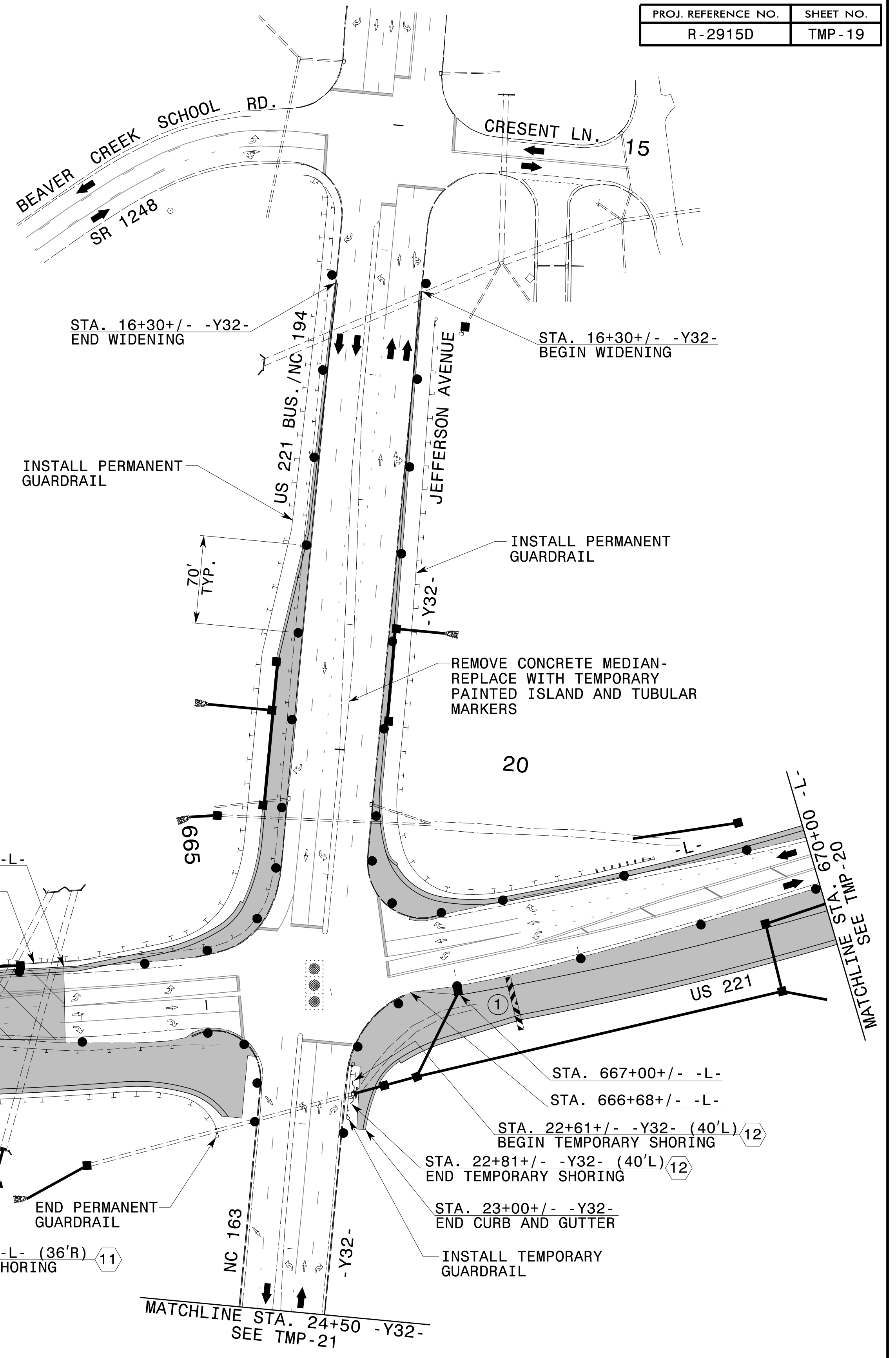
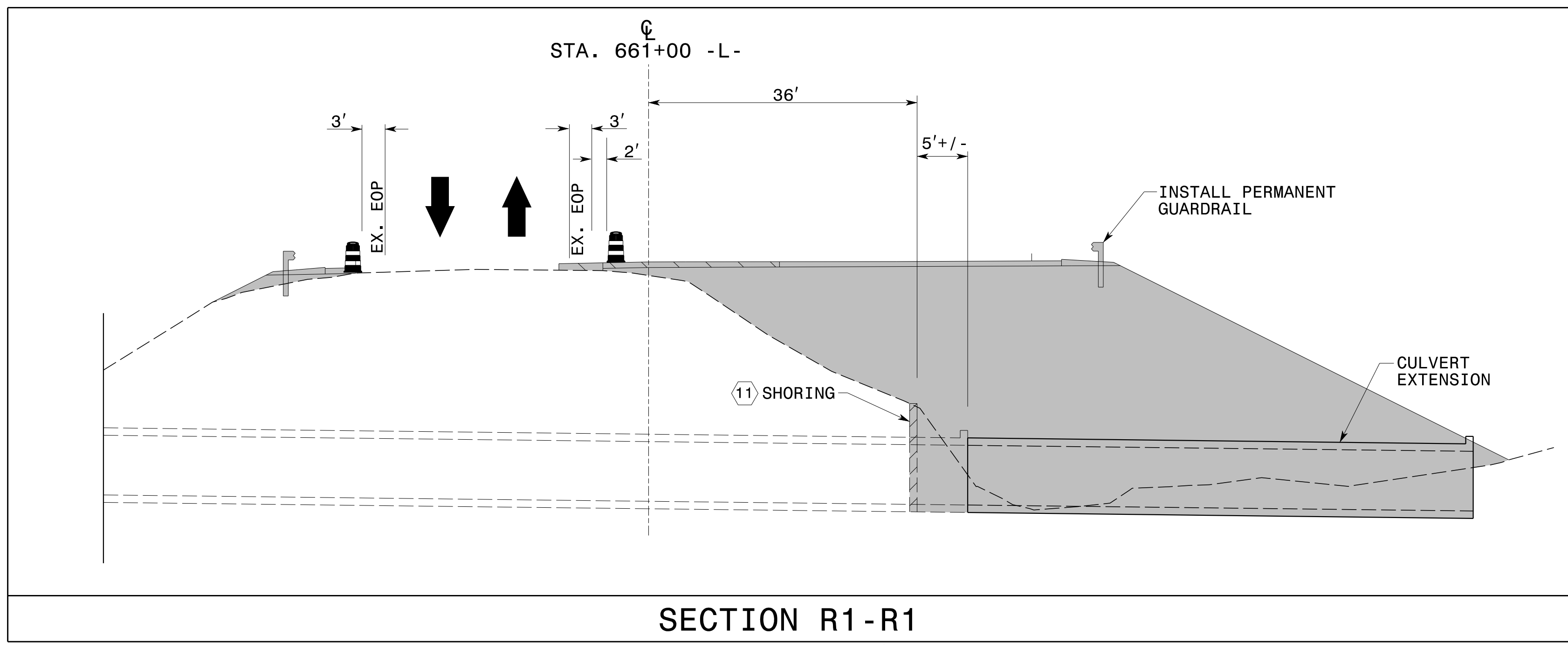


APPROVED: *J. W. Woolard* DATE: 10/30/2014



PHASE I DETAILS

10/24/2014 p:\tip\projects-r\2915d\traffic\control\cp\R2915D\_TC\_PHL\_TMP18.dgn User:scodts



Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
11	8.9 FT.	606 SQ. FT.
12	7.2 FT.	144 SQ. FT.

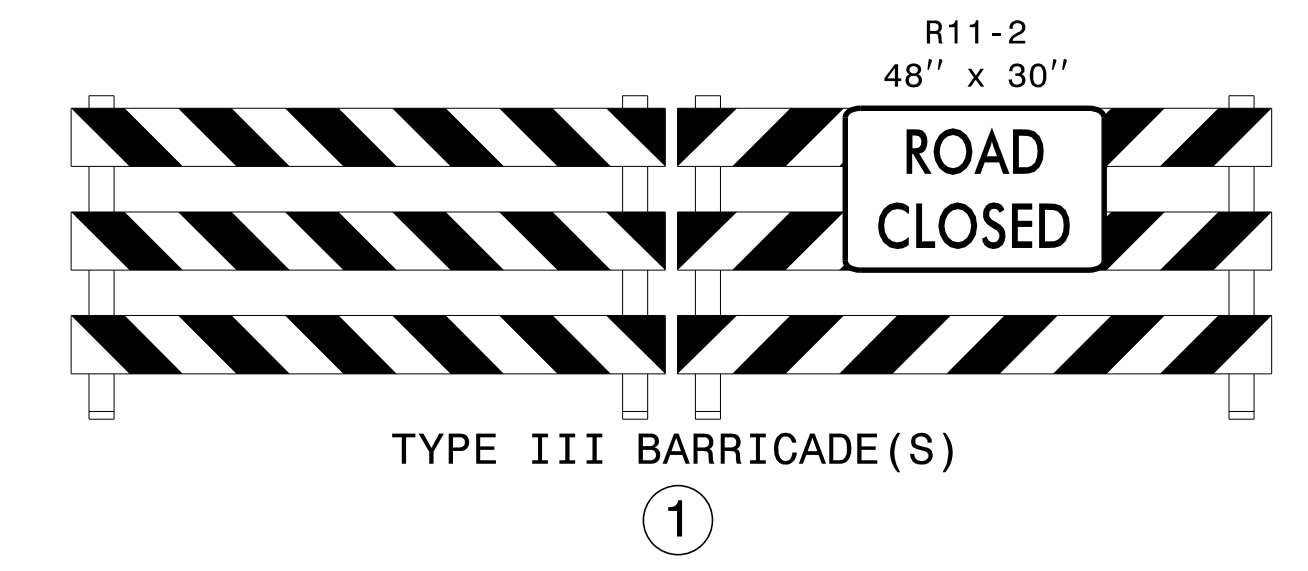
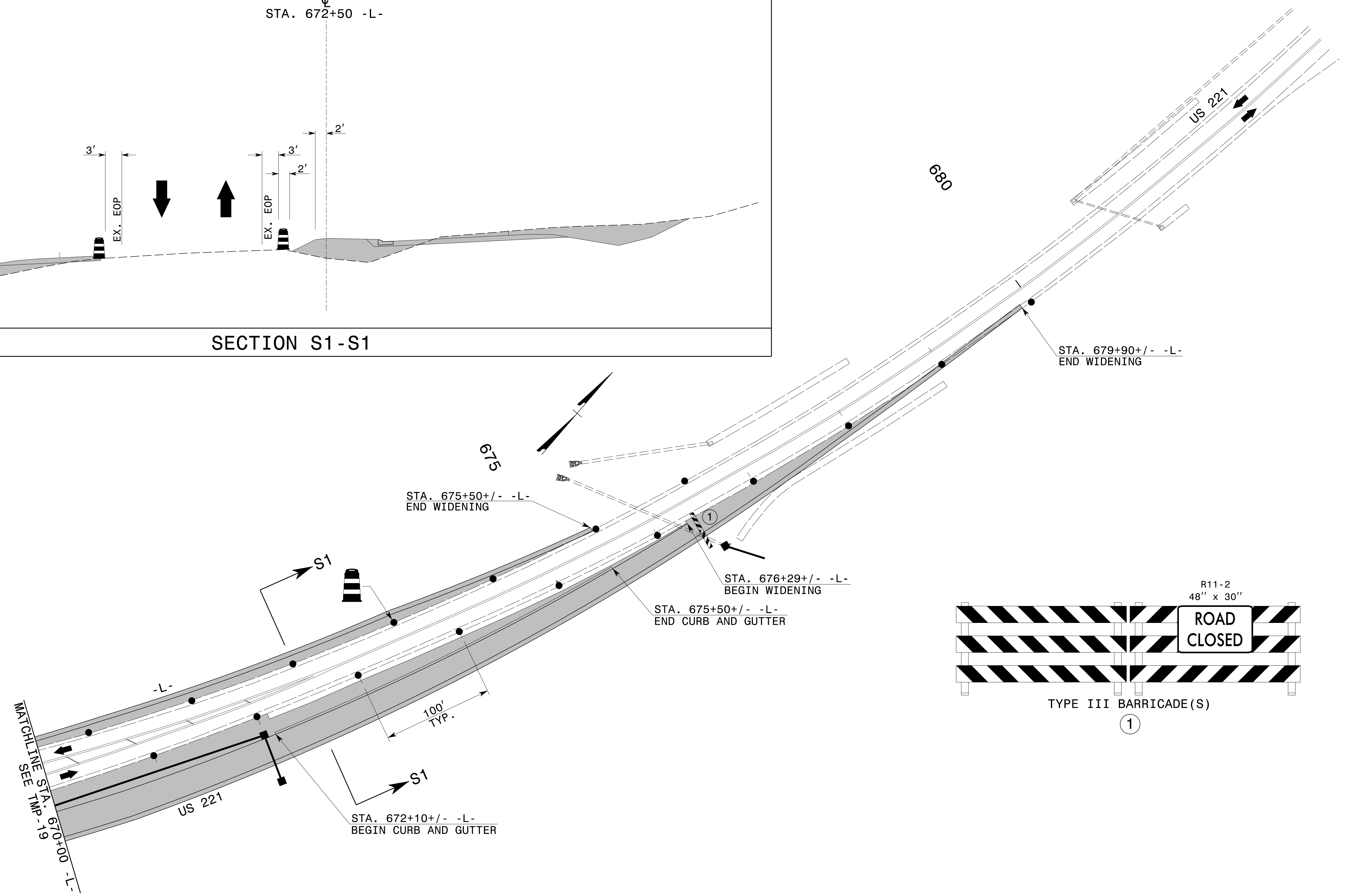
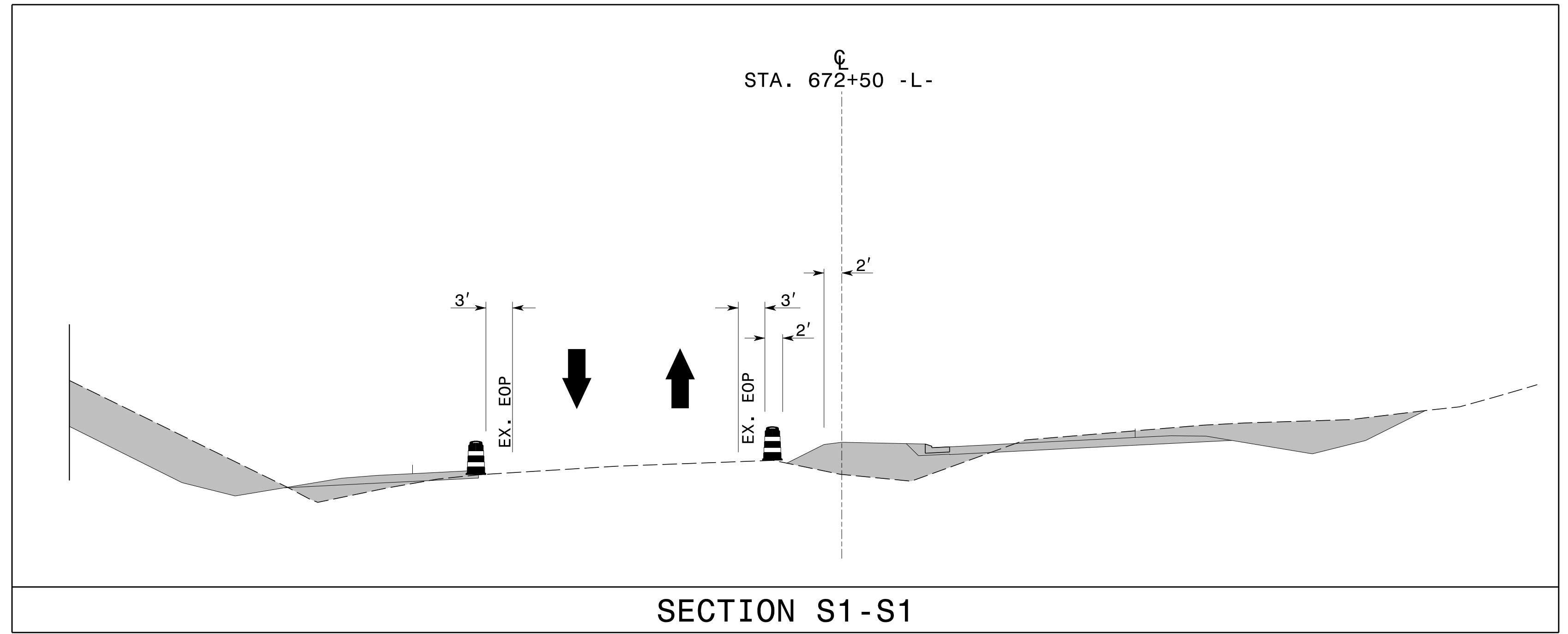
APPROVED: *J. W. Woolard, Jr.* DATE: 11/7/2014

SEAL

PHASE I DETAILS

11/7/2014 p:\11\p\projects-r-2915d\trafficcontrol\cp\R2915D\_TC\_PHL\_TMP19.dgn User:scodts





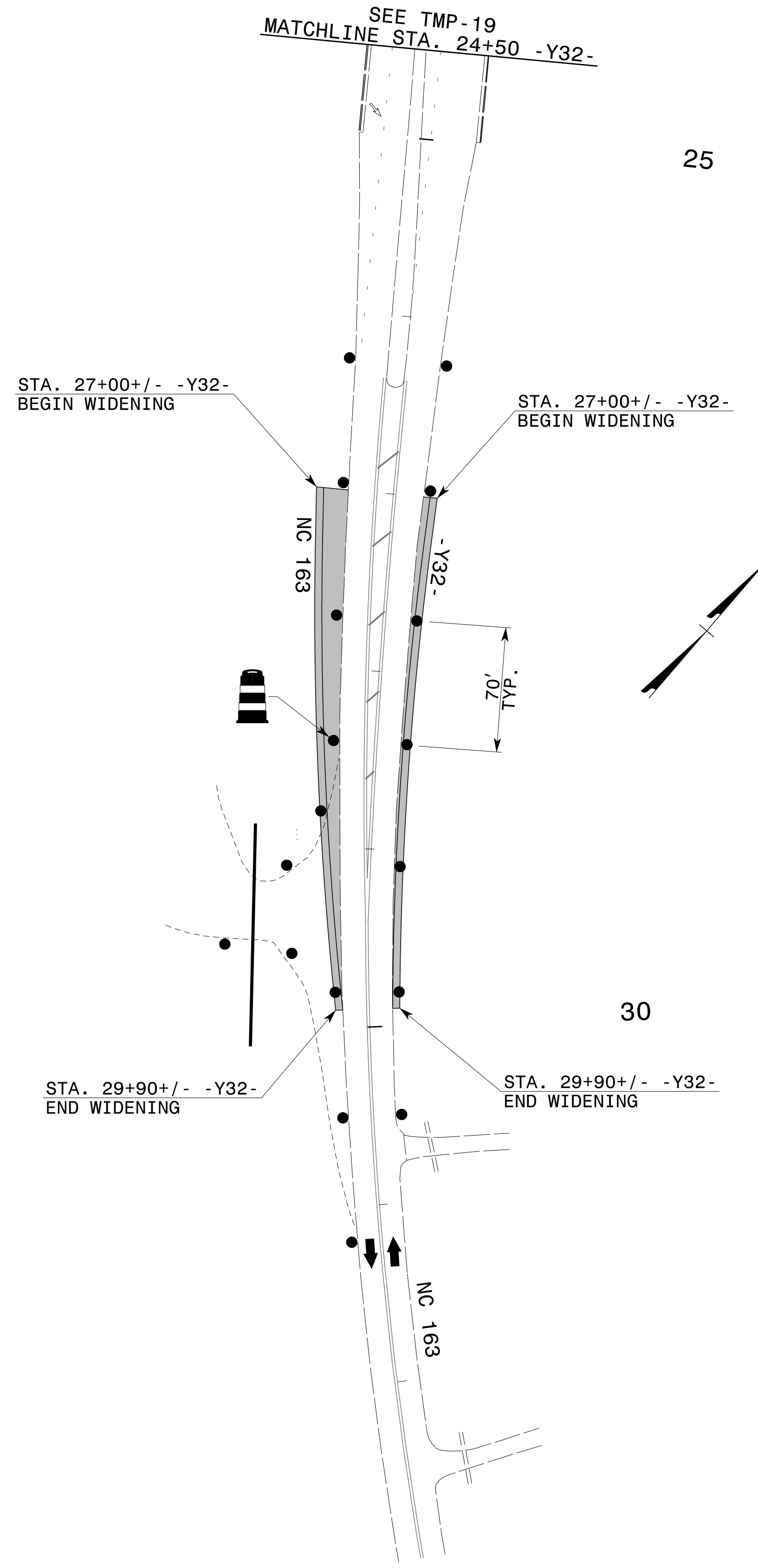
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APPROVED: *J. W. Woolard, Jr.* DATE: 11/7/2014

SEAL

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
ZONE TRAFFIC CONTROL

PHASE I DETAILS



10/24/2014  
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 User:scodts

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

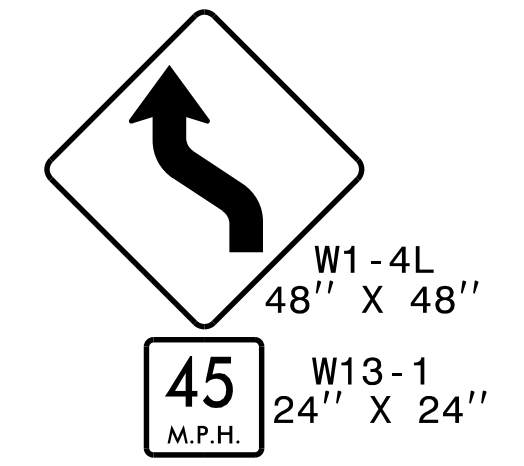


PHASE I DETAILS

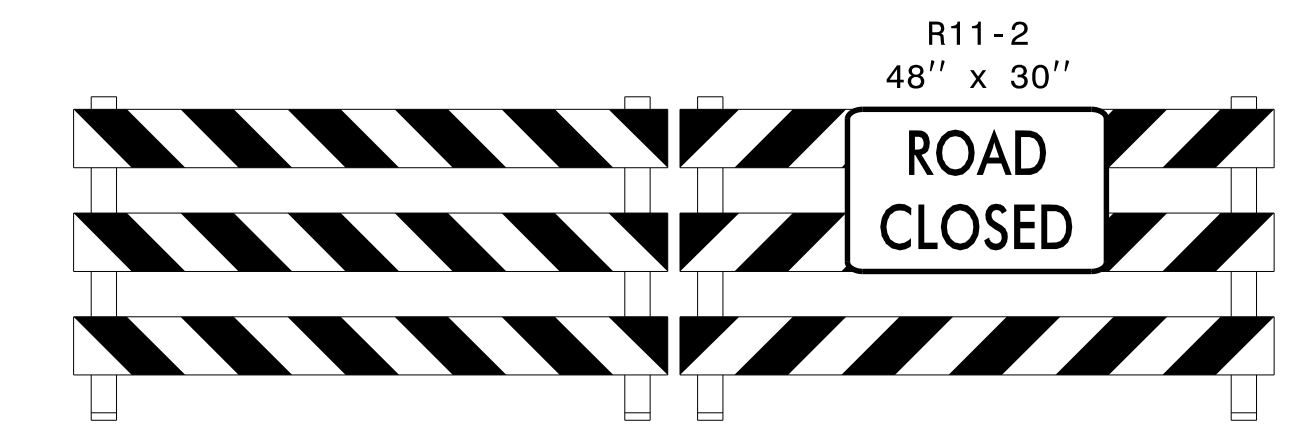
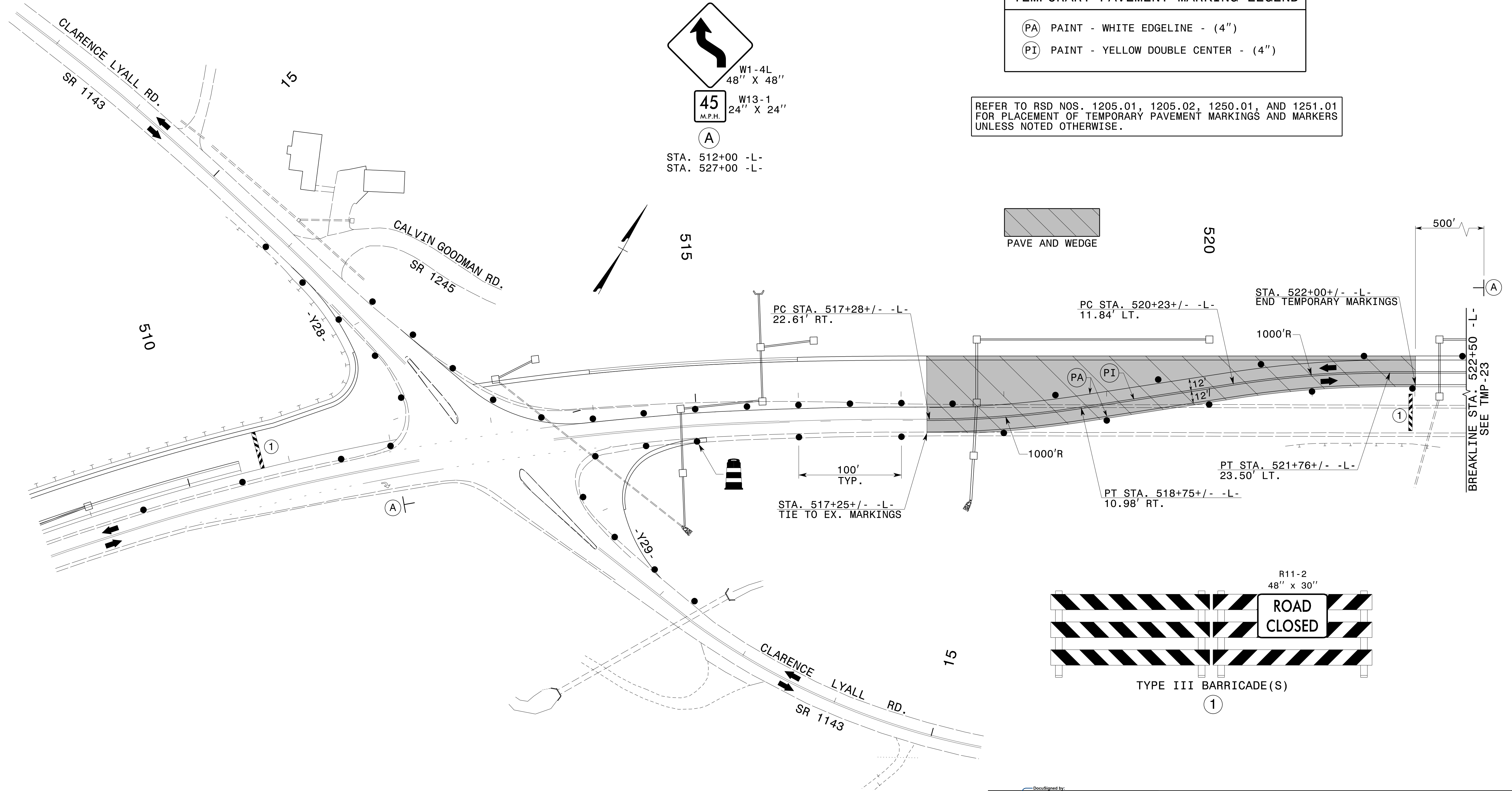
**TEMPORARY PAVEMENT MARKING LEGEND**

- (PA) PAINT - WHITE EDGELINE - (4")
- (PI) PAINT - YELLOW DOUBLE CENTER - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

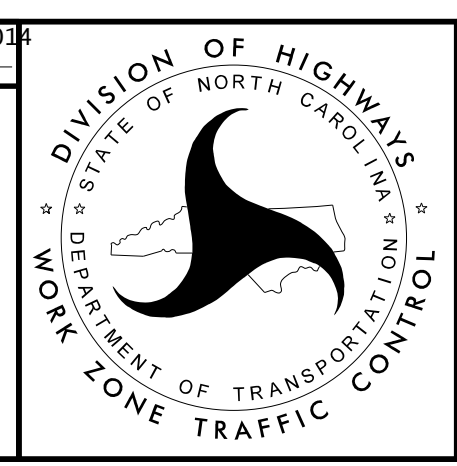


STA. 512+00 -L-  
STA. 527+00 -L-



APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

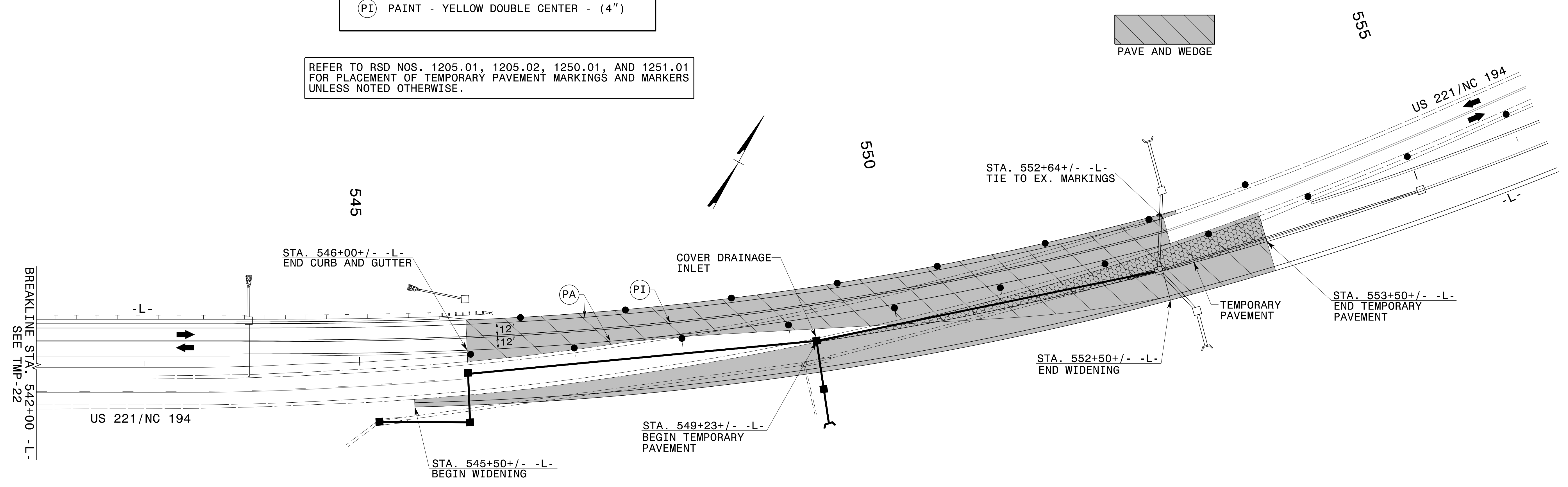
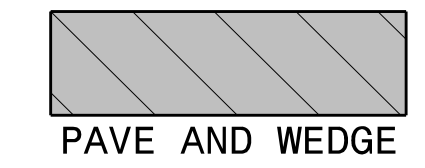


**PHASE I DETAILS**

10/24/2014  
 p:\tiprojects-r\2915d\trafficcontrol\cp\R2915D\_TC\_PHL\_TMP22.dgn  
 User:tscoodts

TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")

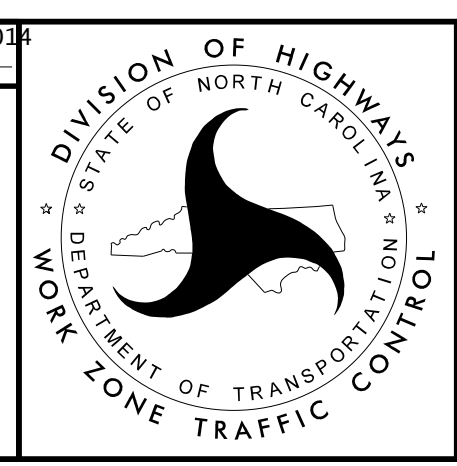
REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



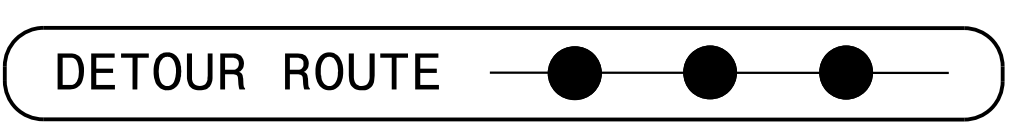
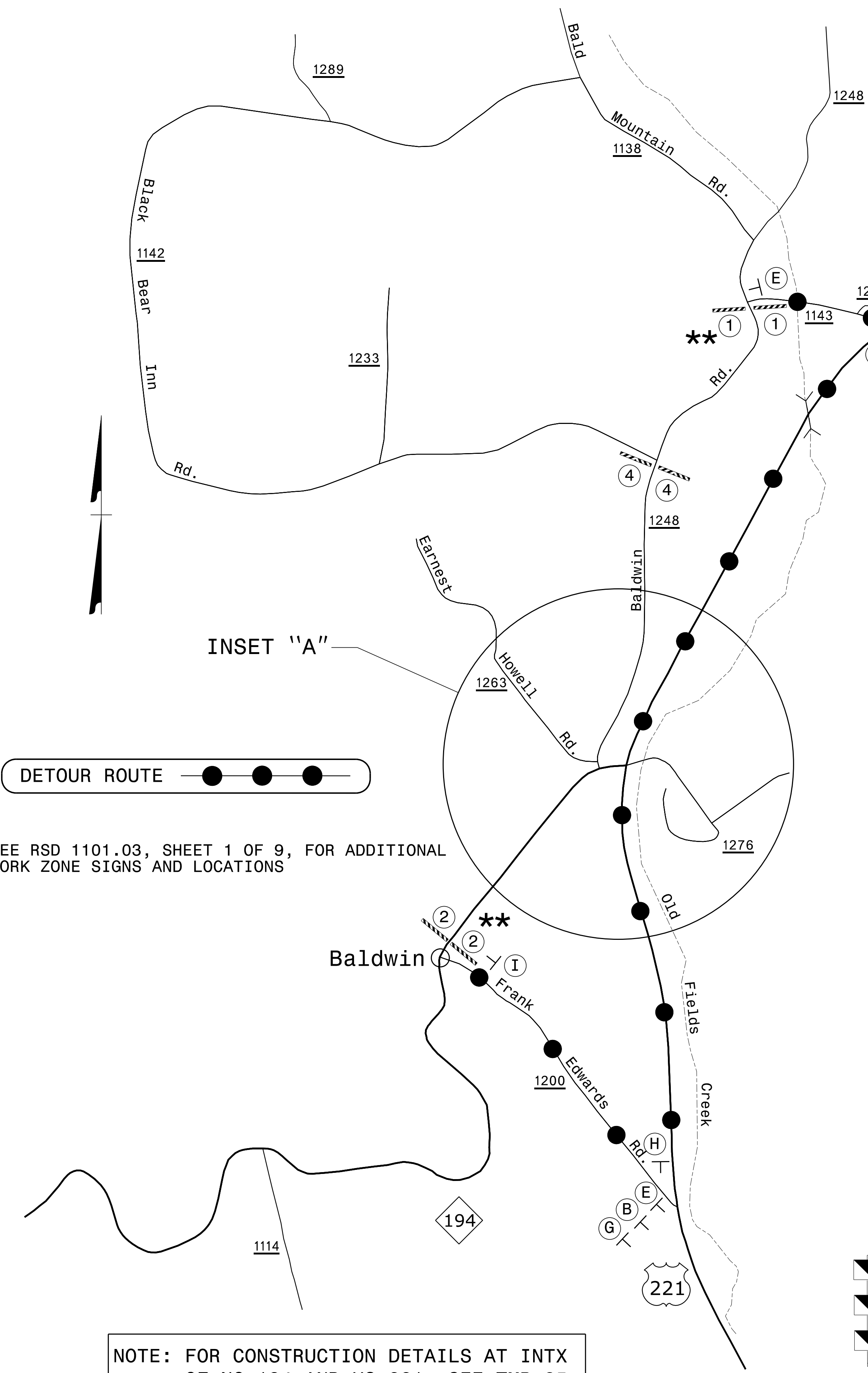
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 User:tscoats

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

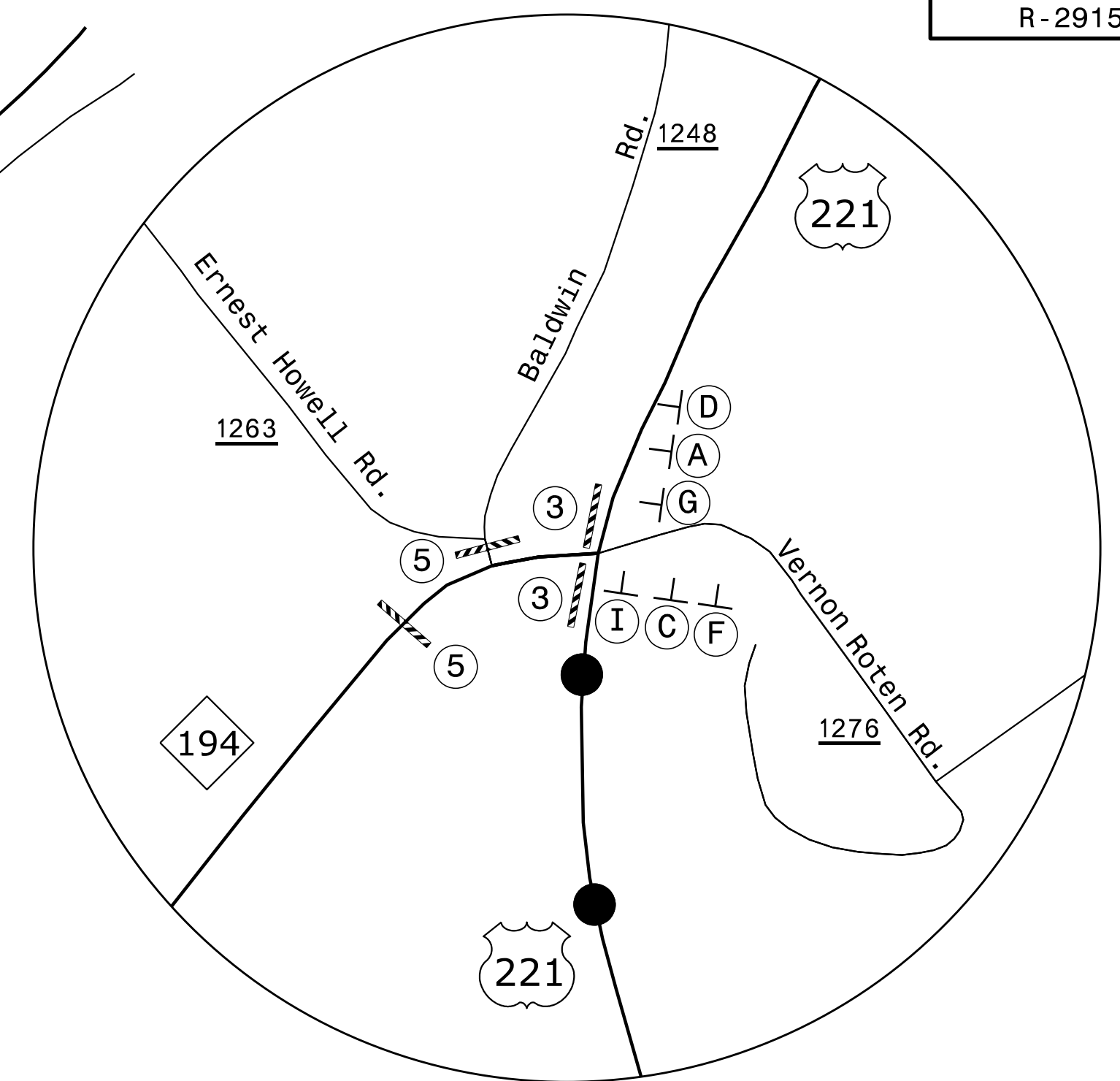
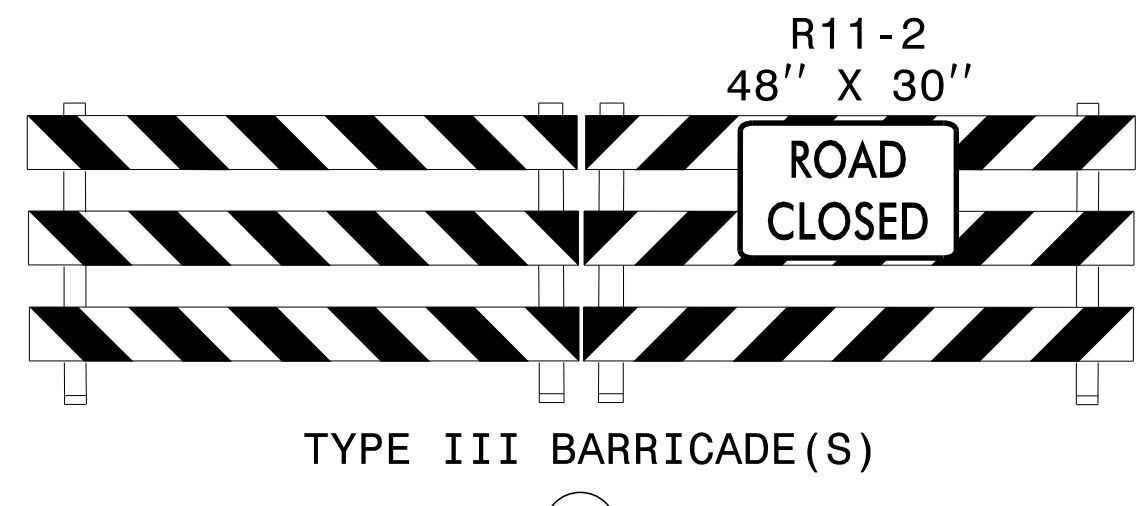
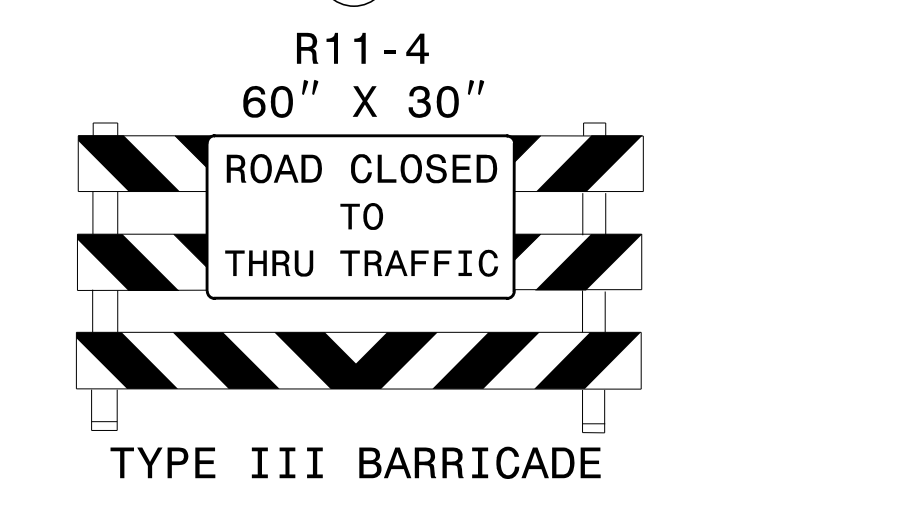
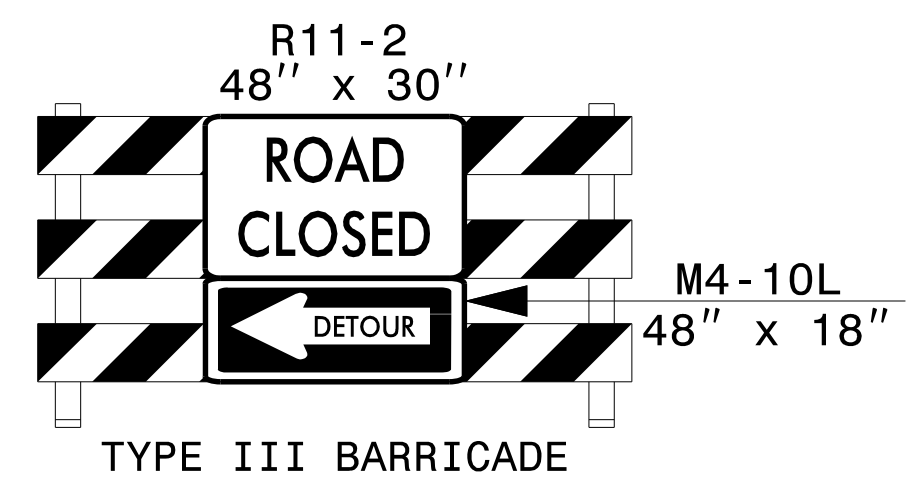
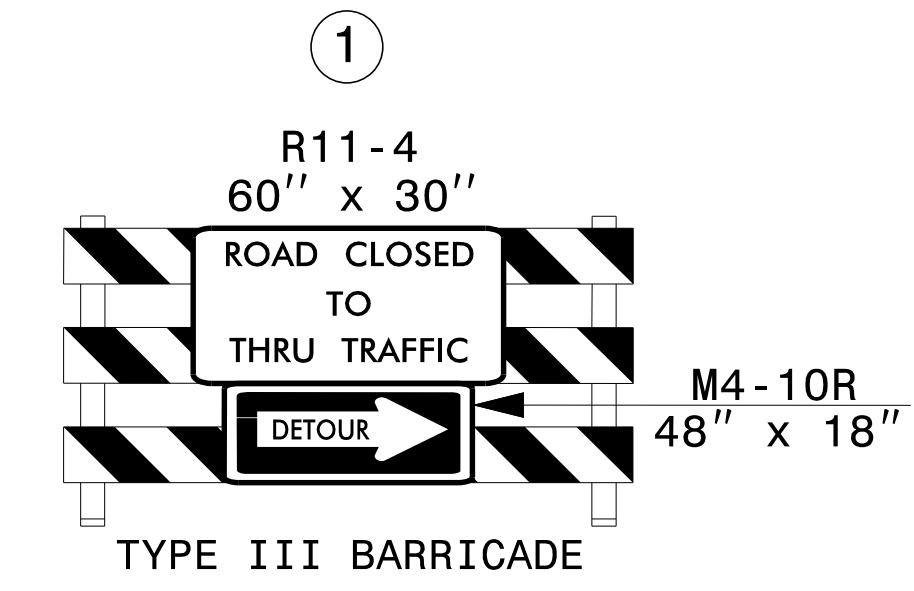
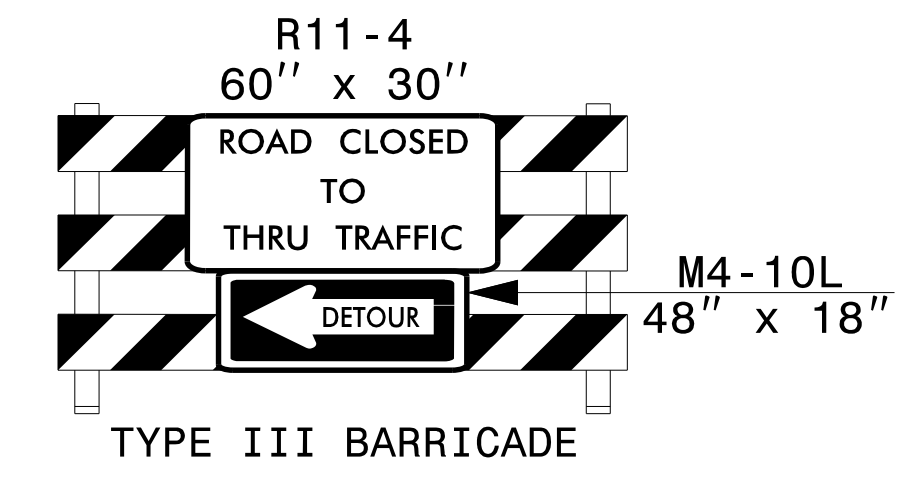


PHASE I DETAILS



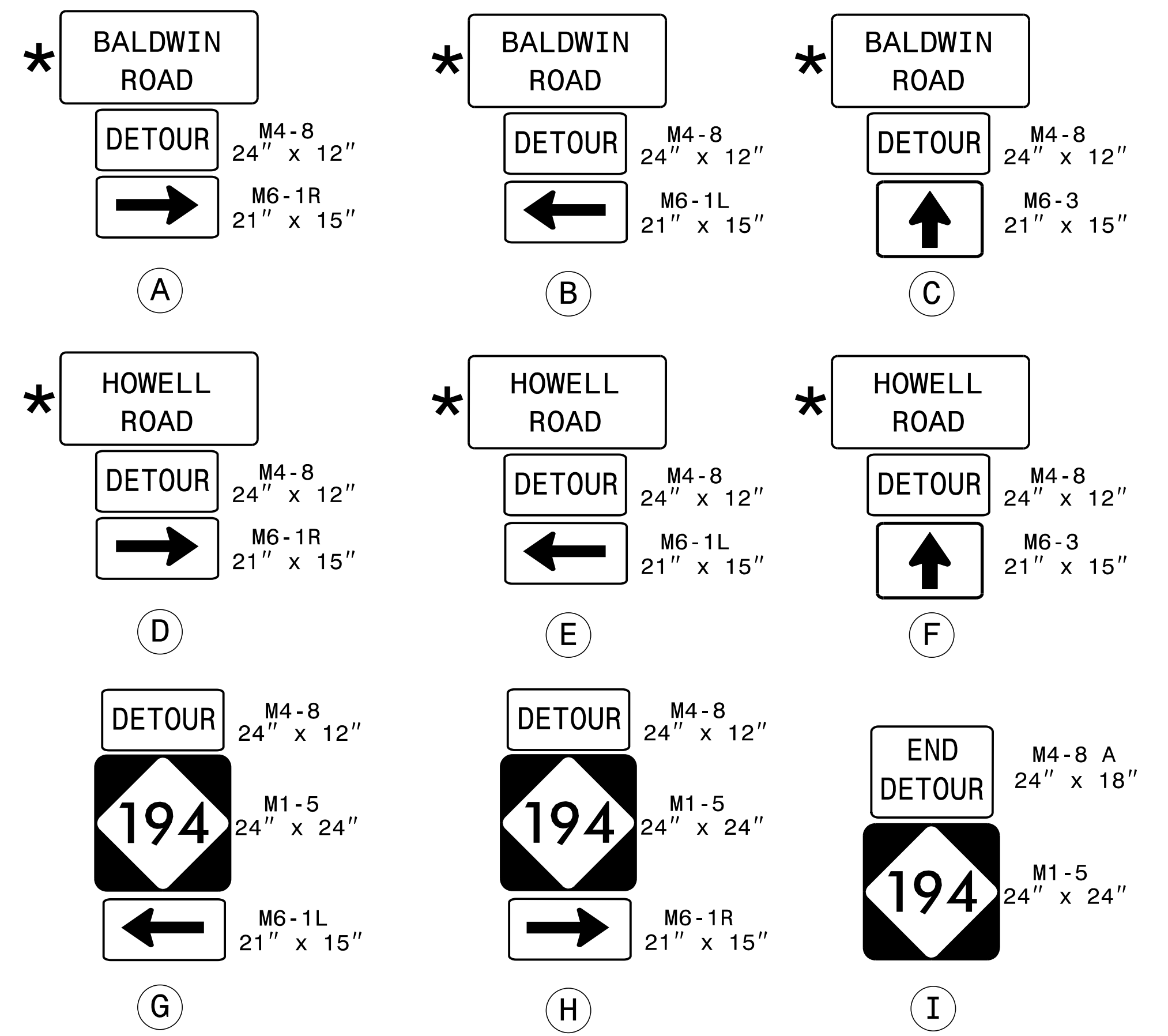
\*\* SEE RSD 1101.03, SHEET 1 OF 9, FOR ADDITIONAL WORK ZONE SIGNS AND LOCATIONS

NOTE: FOR CONSTRUCTION DETAILS AT INTX OF NC 194 AND US 221, SEE TMP-25.

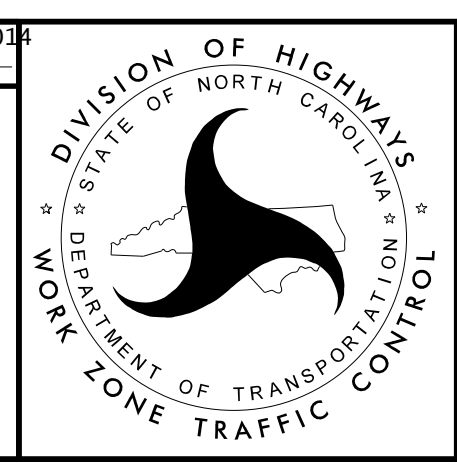


INSET "A"

\* SEE SHEET TMP-2A FOR SIGN DESIGN

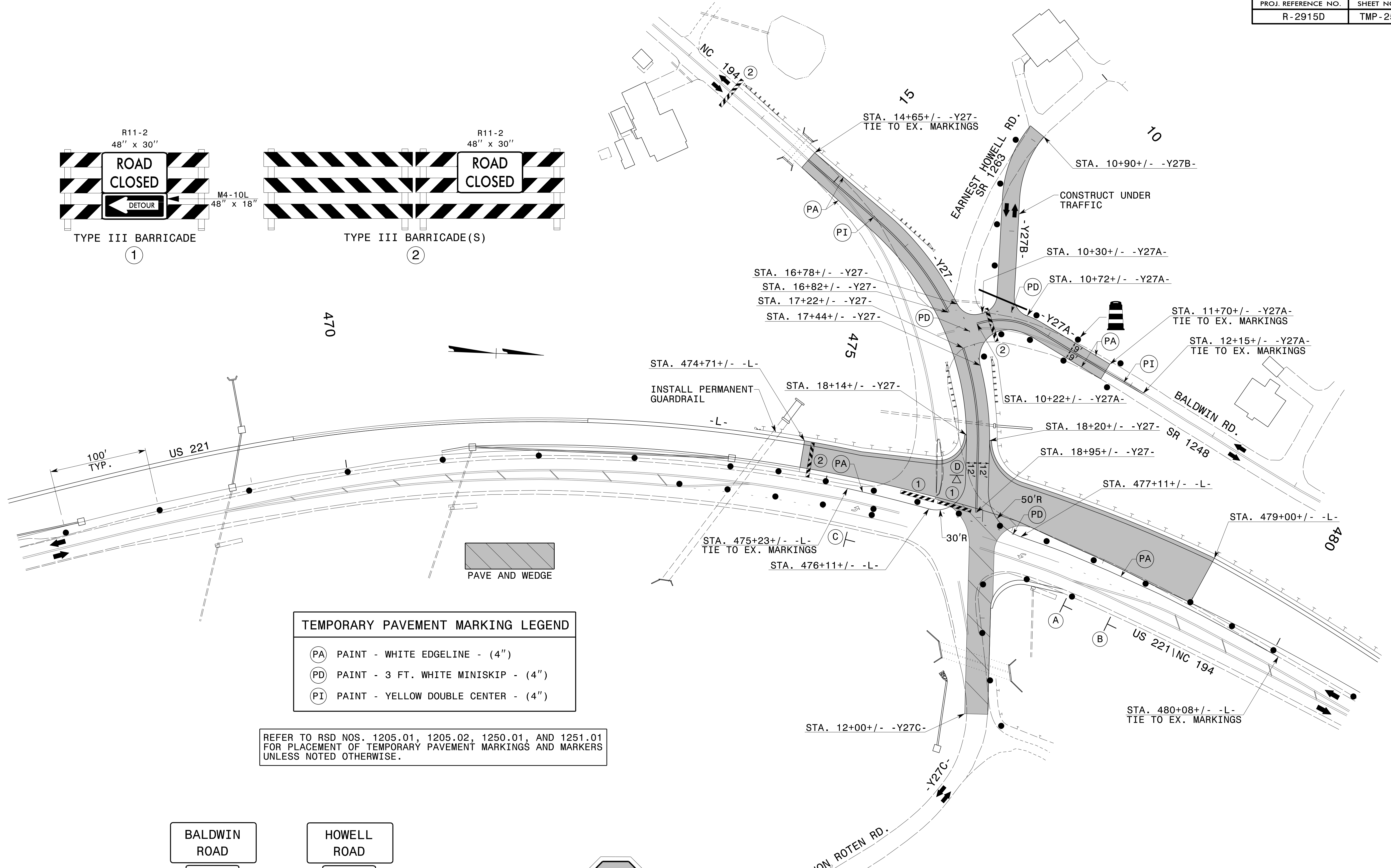
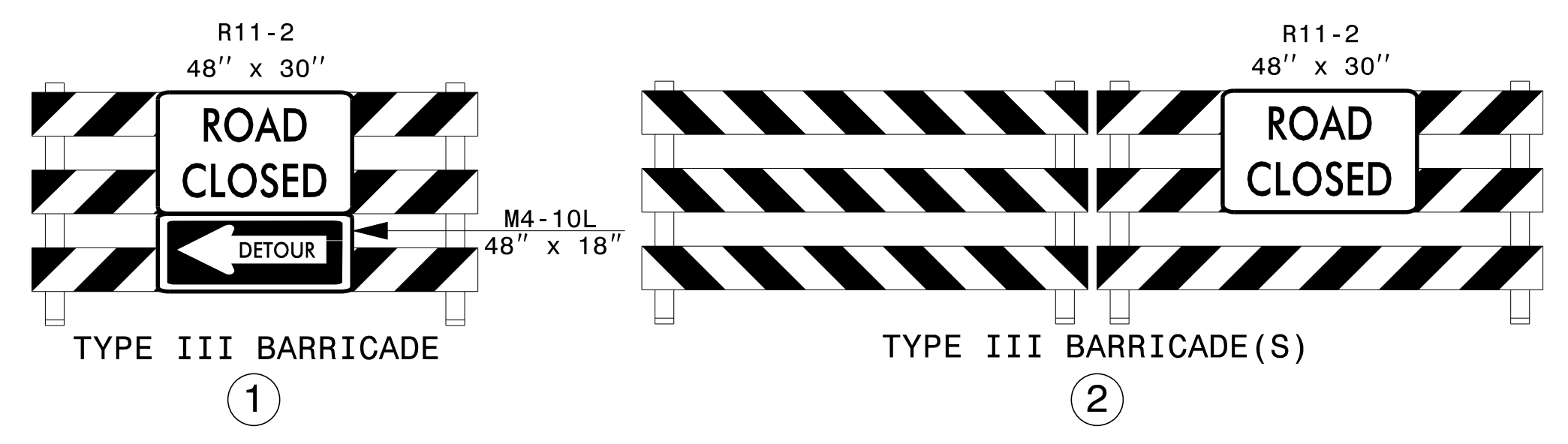


APPROVED: *J. W. Woolard* DATE: 10/30/2014



PHASE I  
OFF-SITE DETOUR  
NC 194

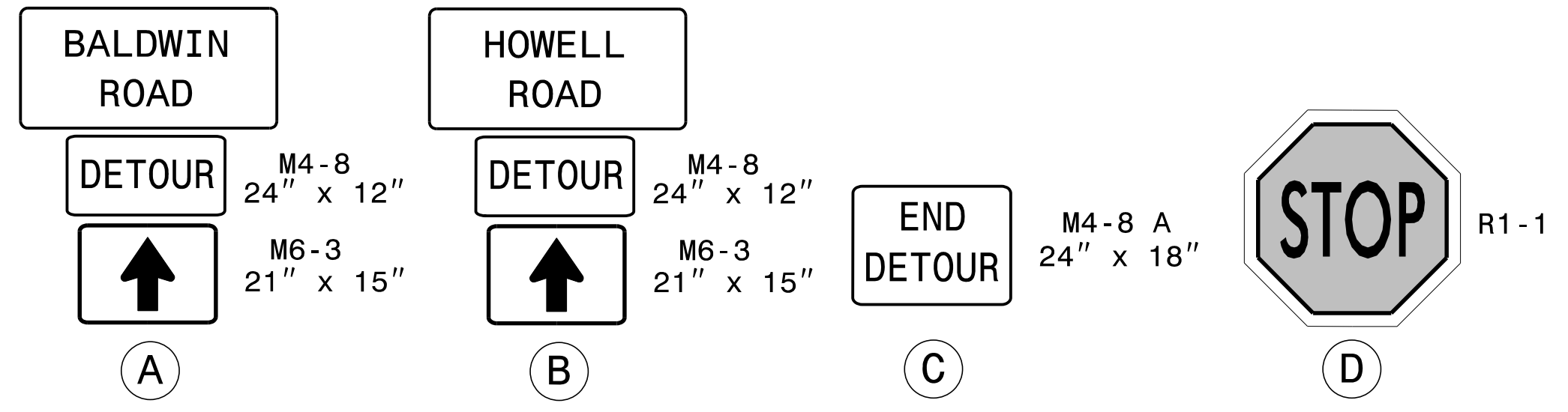
10/24/2014 p:\tiprojects\r-2915d\trafficcontrol\cp\R2915D\_TC\_PHL\_TMP24.dgn User:scodts



**TEMPORARY PAVEMENT MARKING LEGEND**

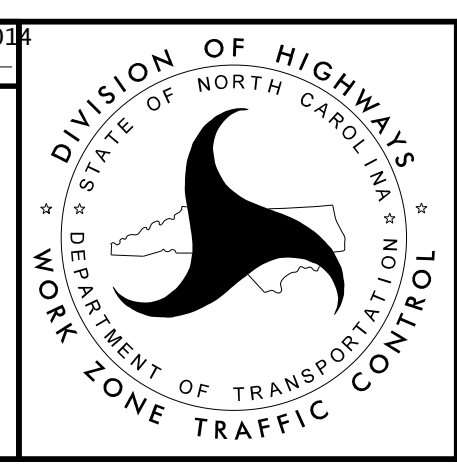
(PA)	PAINT - WHITE EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



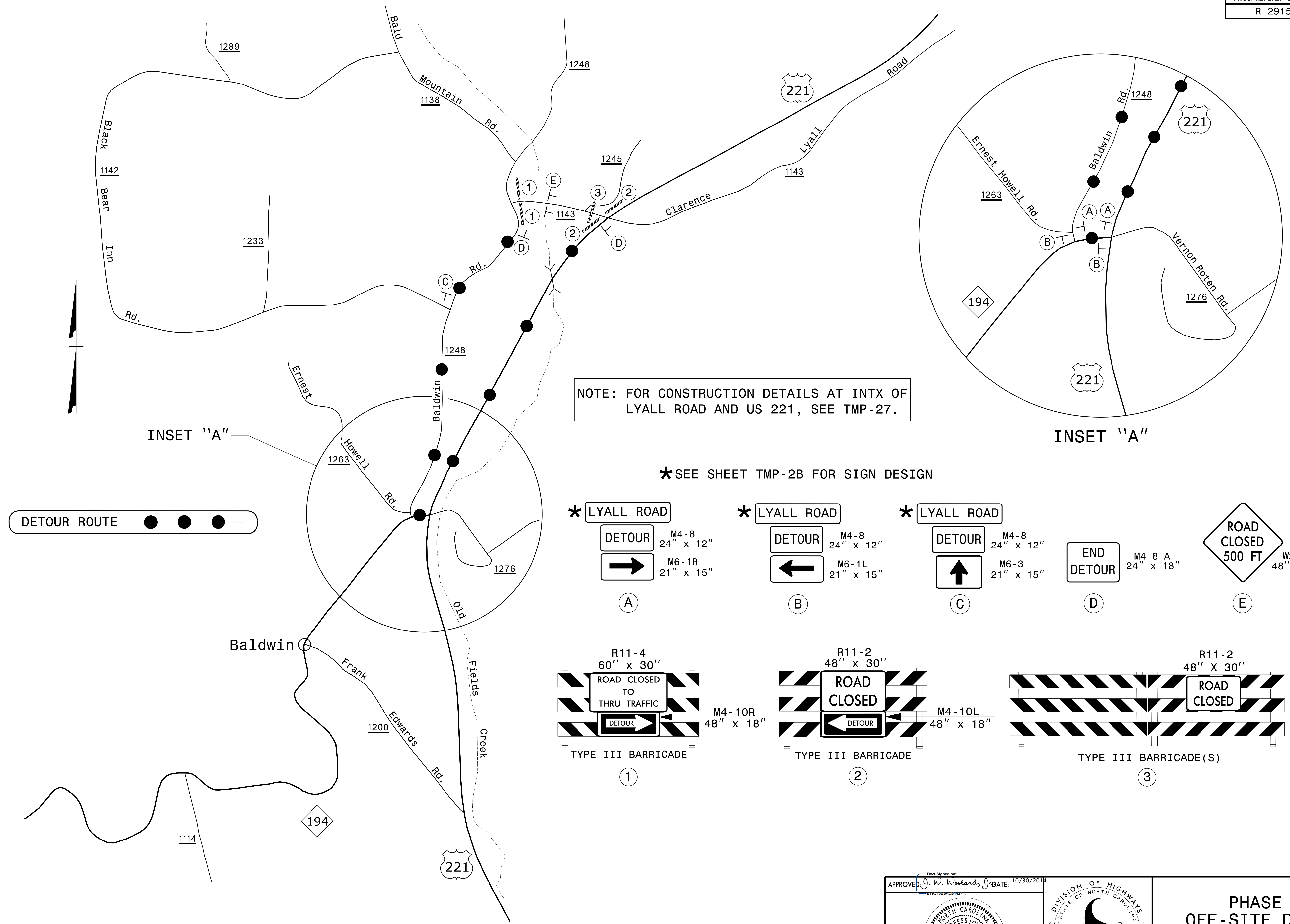
APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19862 J. W. WOOLARD



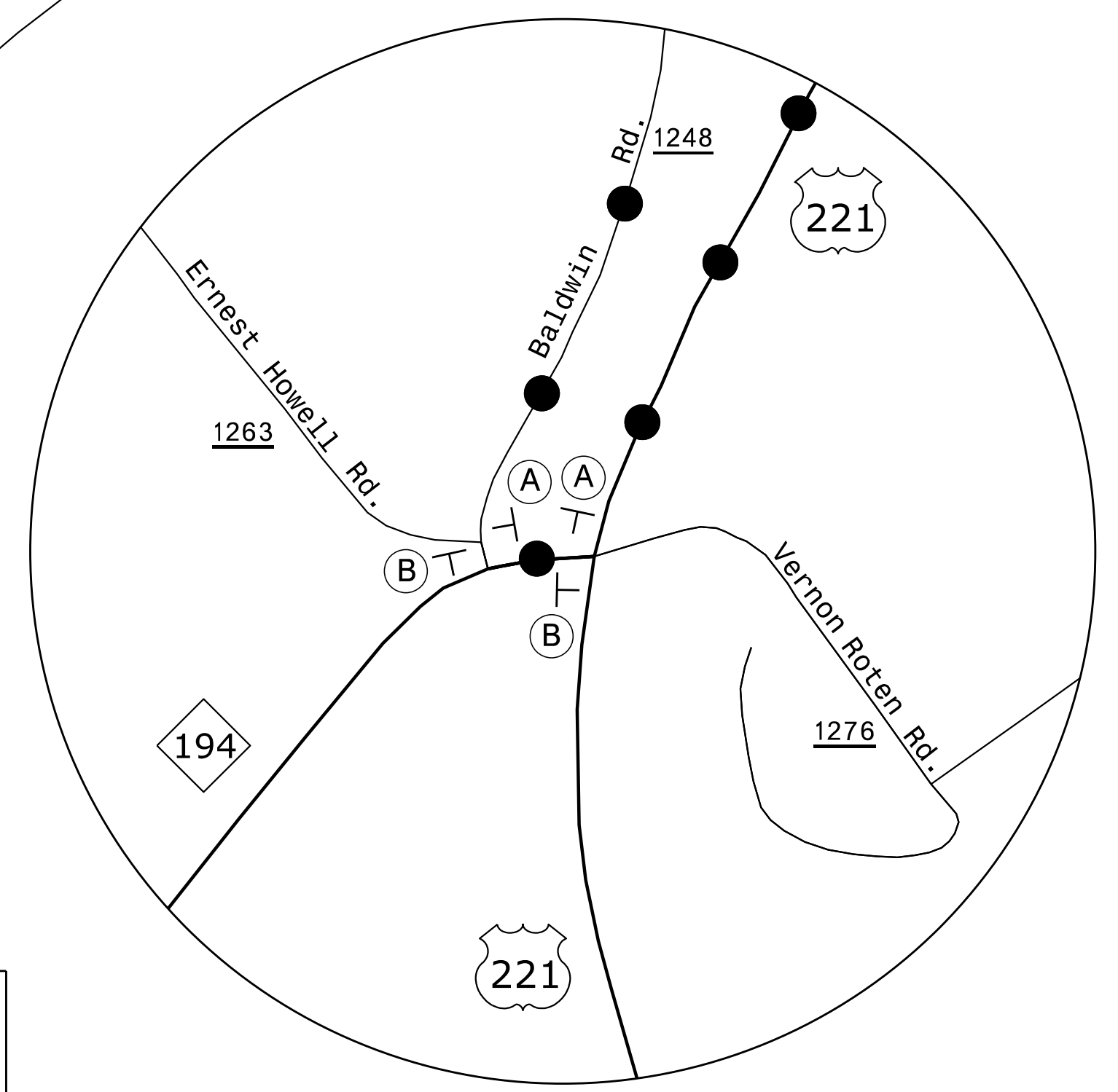
**PHASE I DETAILS**

10/24/2014 p:\tiprojects-r\2915d\trafficcontrol\cp\R2915D\_TC\_PHL\_TMP25.dgn User:scodts

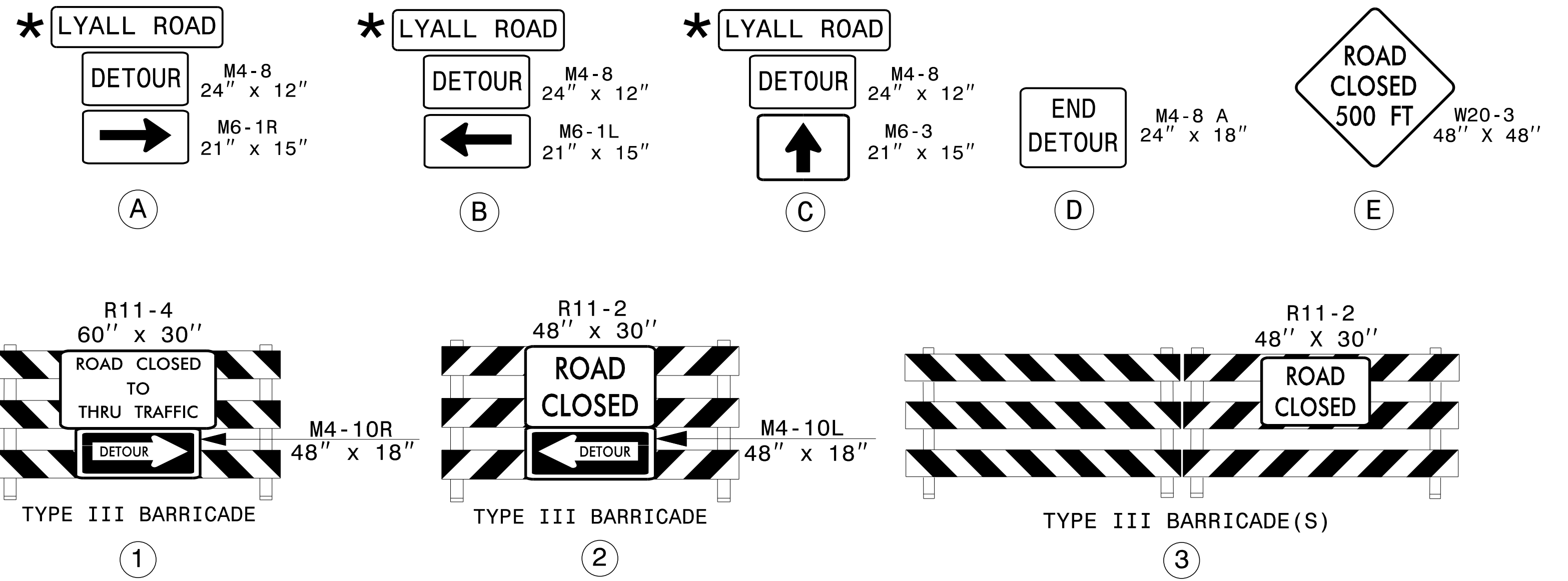


NOTE: FOR CONSTRUCTION DETAILS AT INTX OF LYALL ROAD AND US 221, SEE TMP-27.

INSET "A"

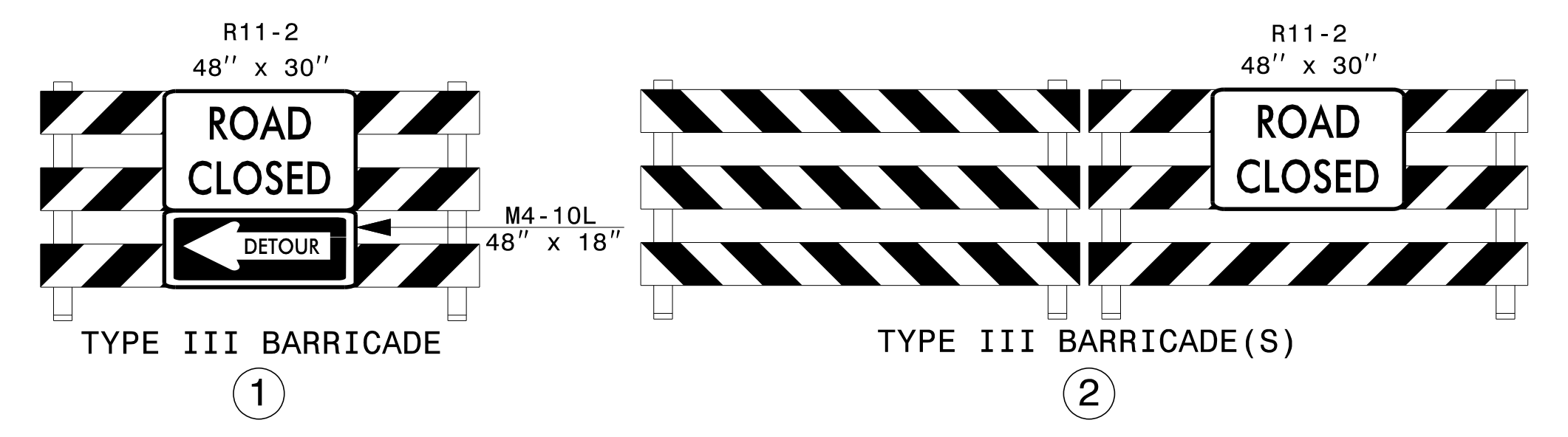
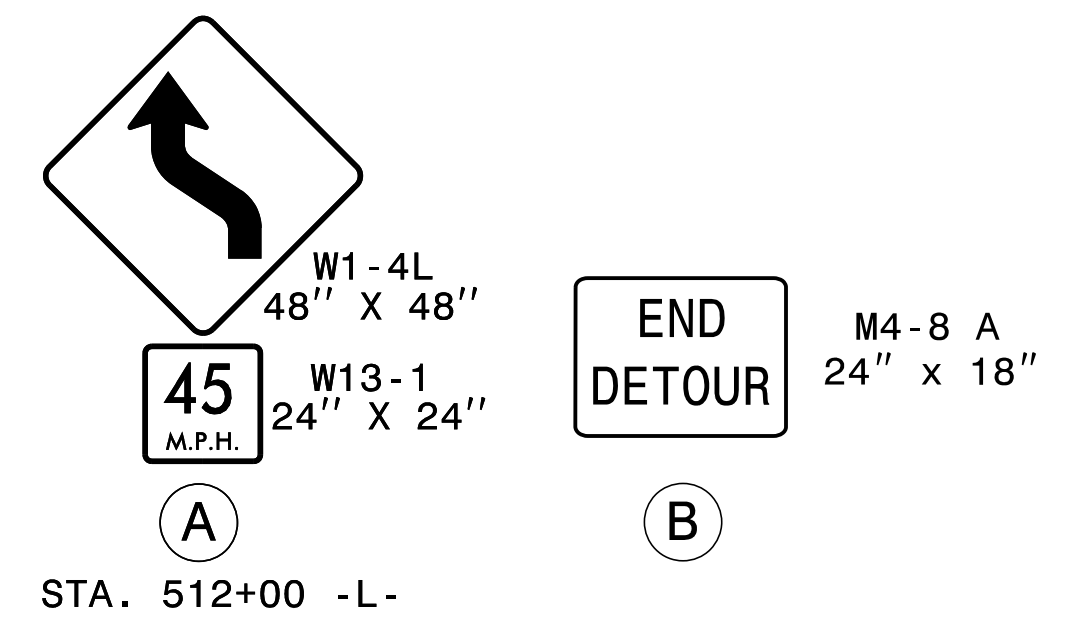
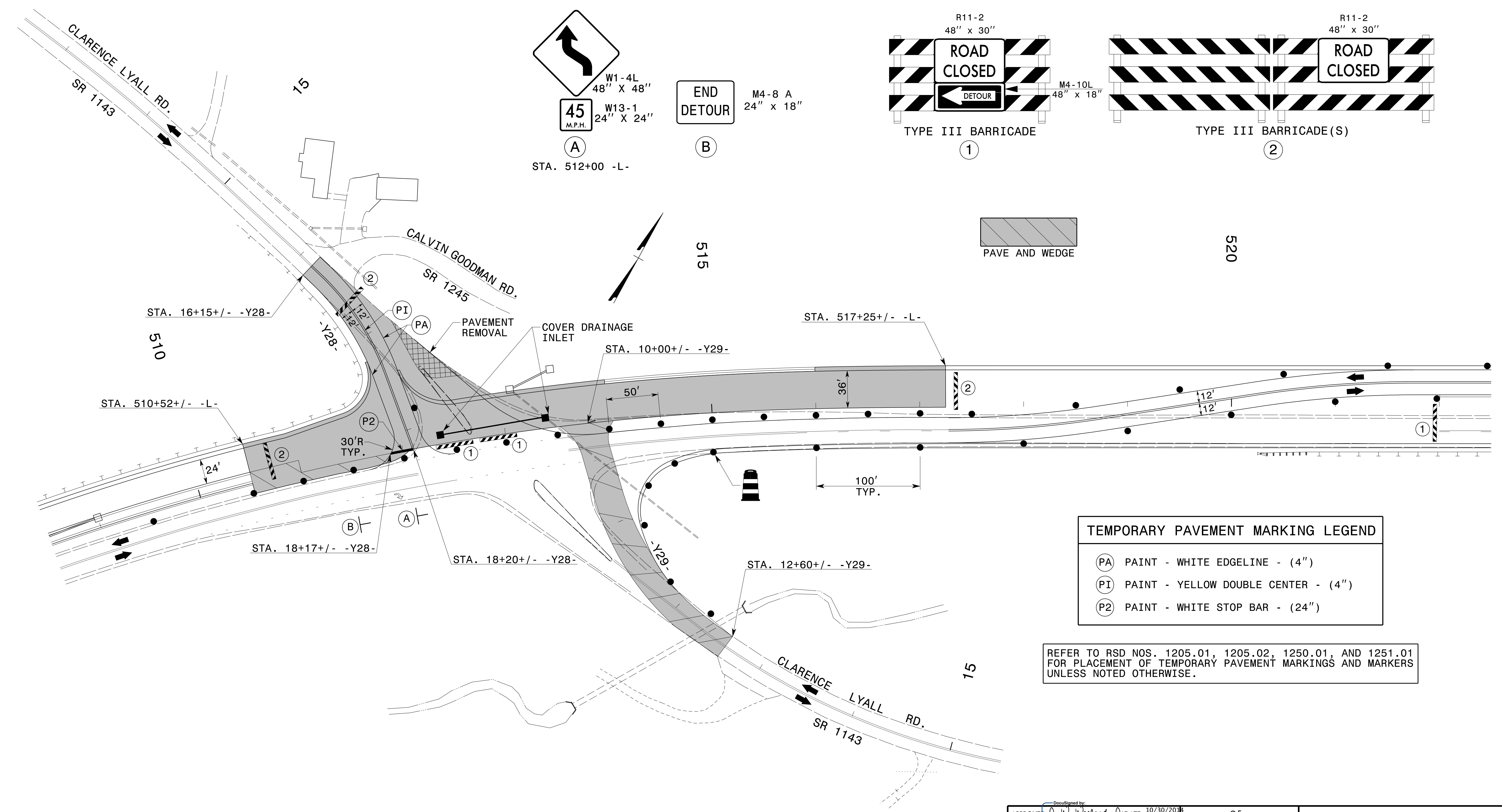


\*SEE SHEET TMP-2B FOR SIGN DESIGN



10/24/2014  
p:\tipb\projects-r\2915d\trafficcontrol\cp\R2915D\_TC\_PHL\_TMP26.dgn  
User:tscoo1s

APPROVED: <i>J. W. Woolard</i> DATE: 10/30/2014 		<b>PHASE I OFF-SITE DETOUR LYALL ROAD SR 1143</b>
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TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

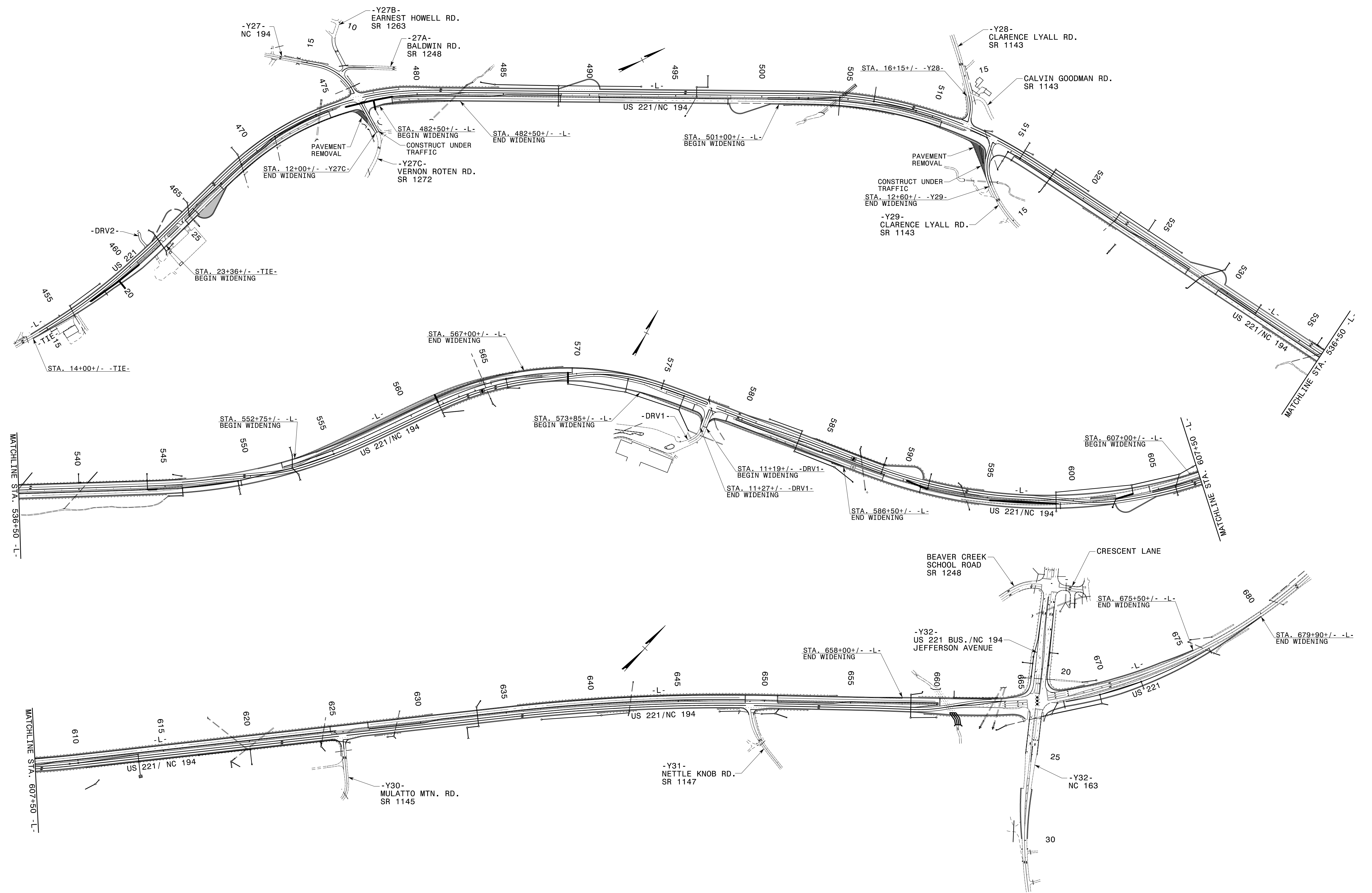
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

## PHASE I DETAILS





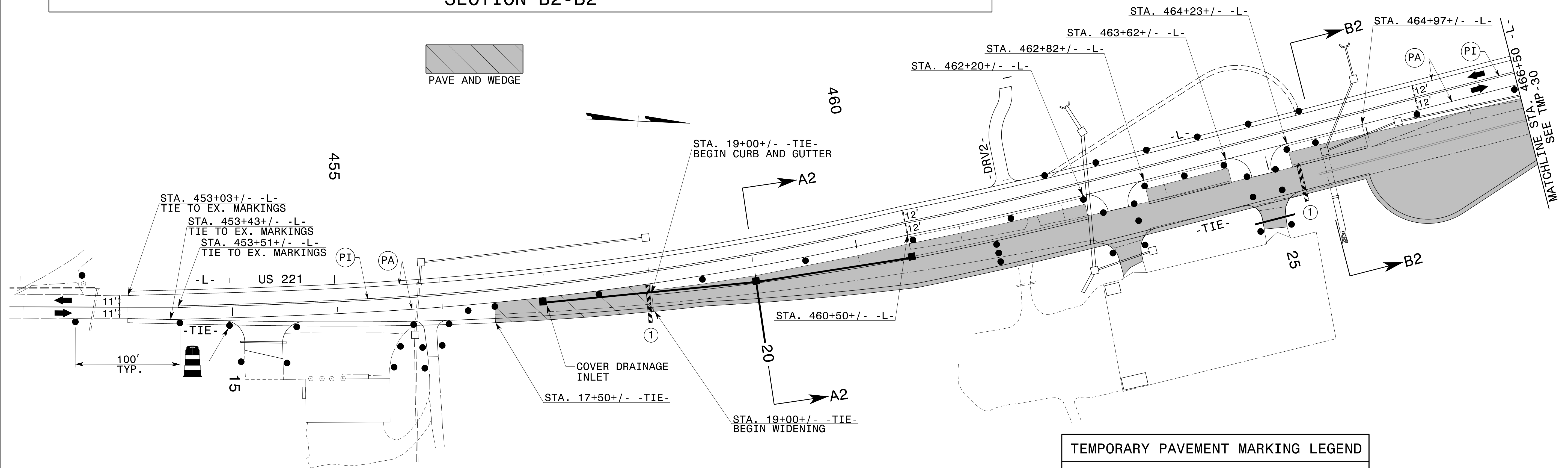
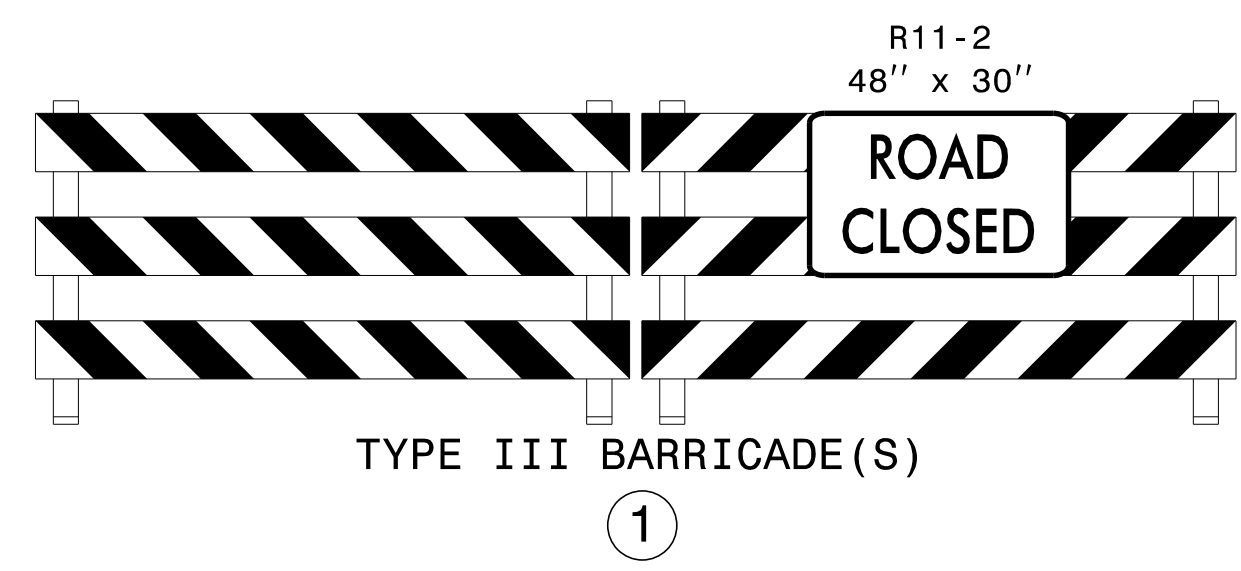
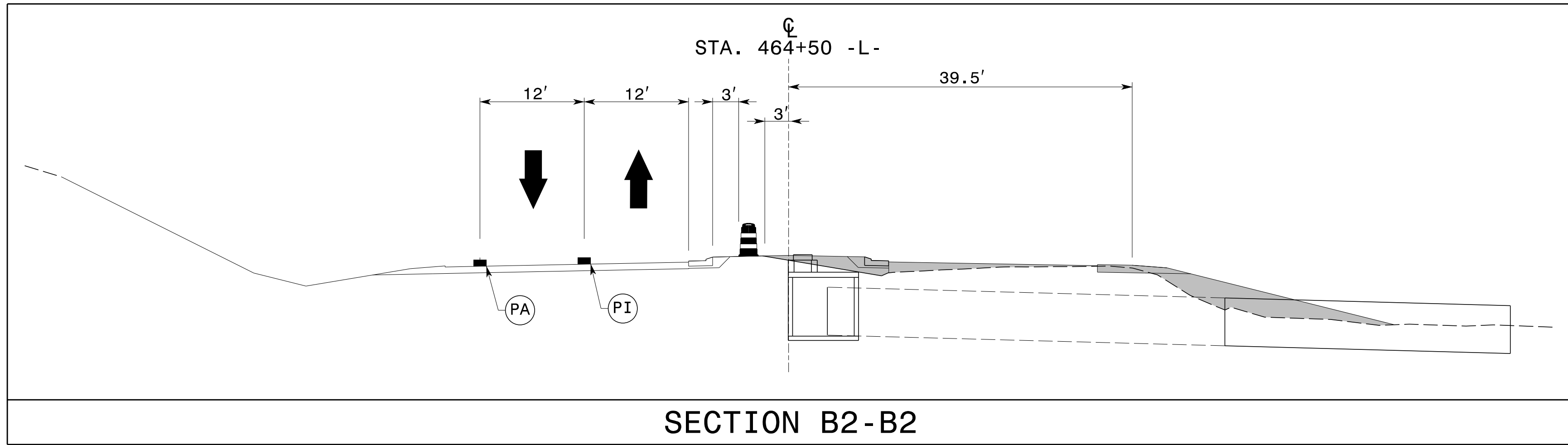
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 User:tscoats

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

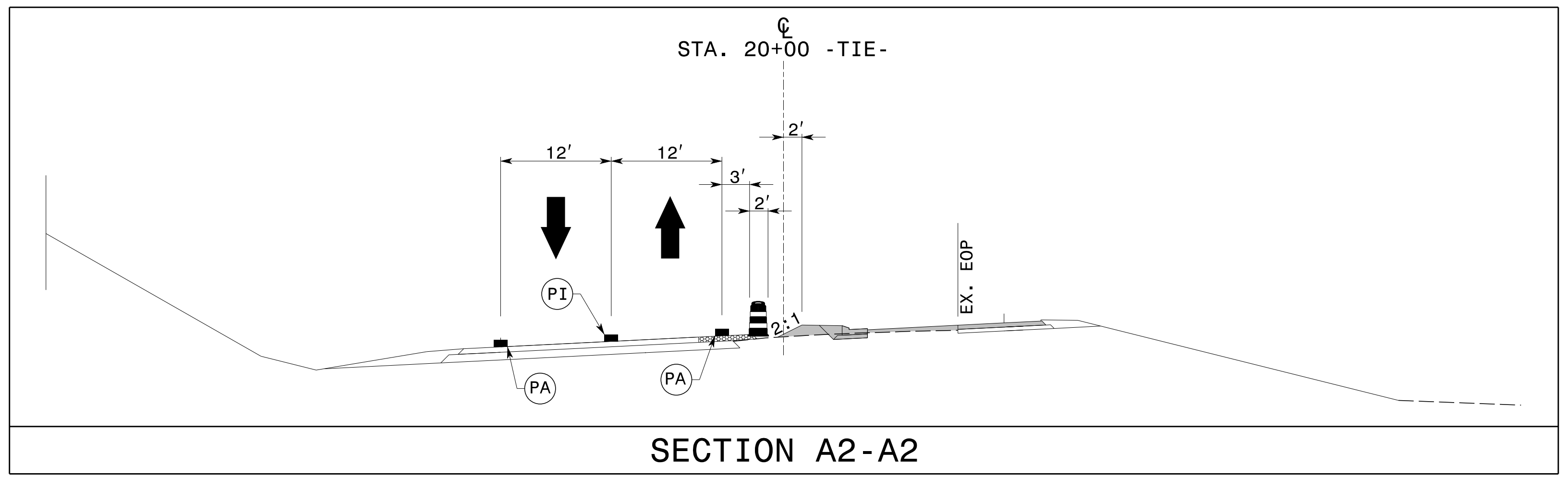


**PHASE II OVERVIEW**



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



APPROVED: *J. W. Woolard* DATE: 10/30/2014

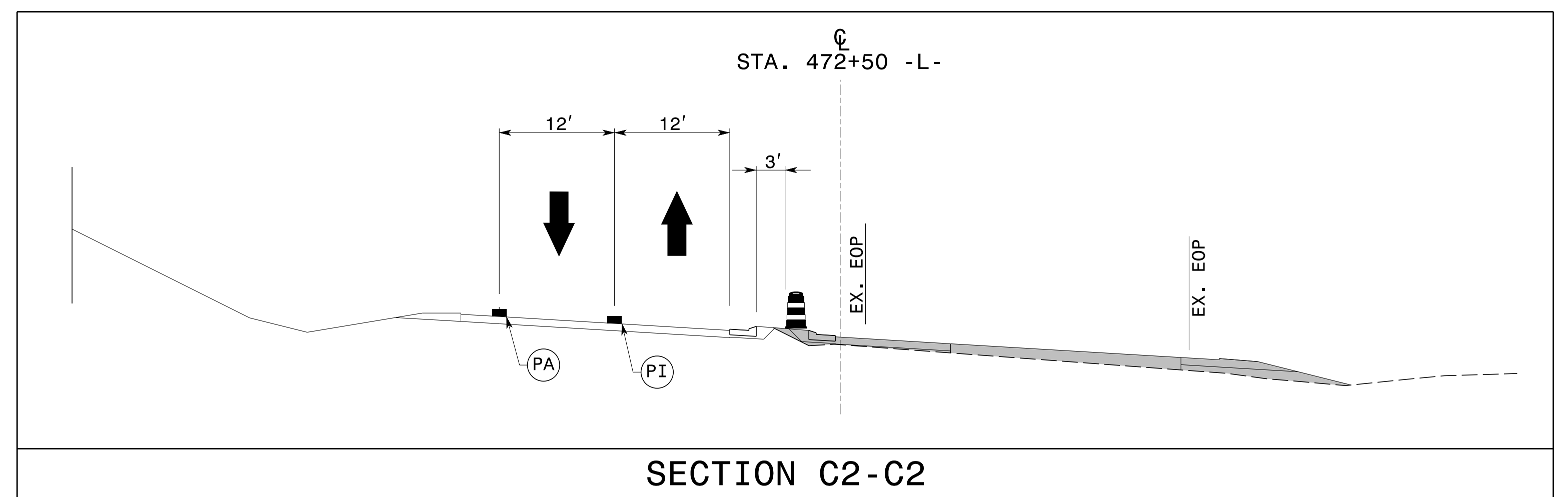
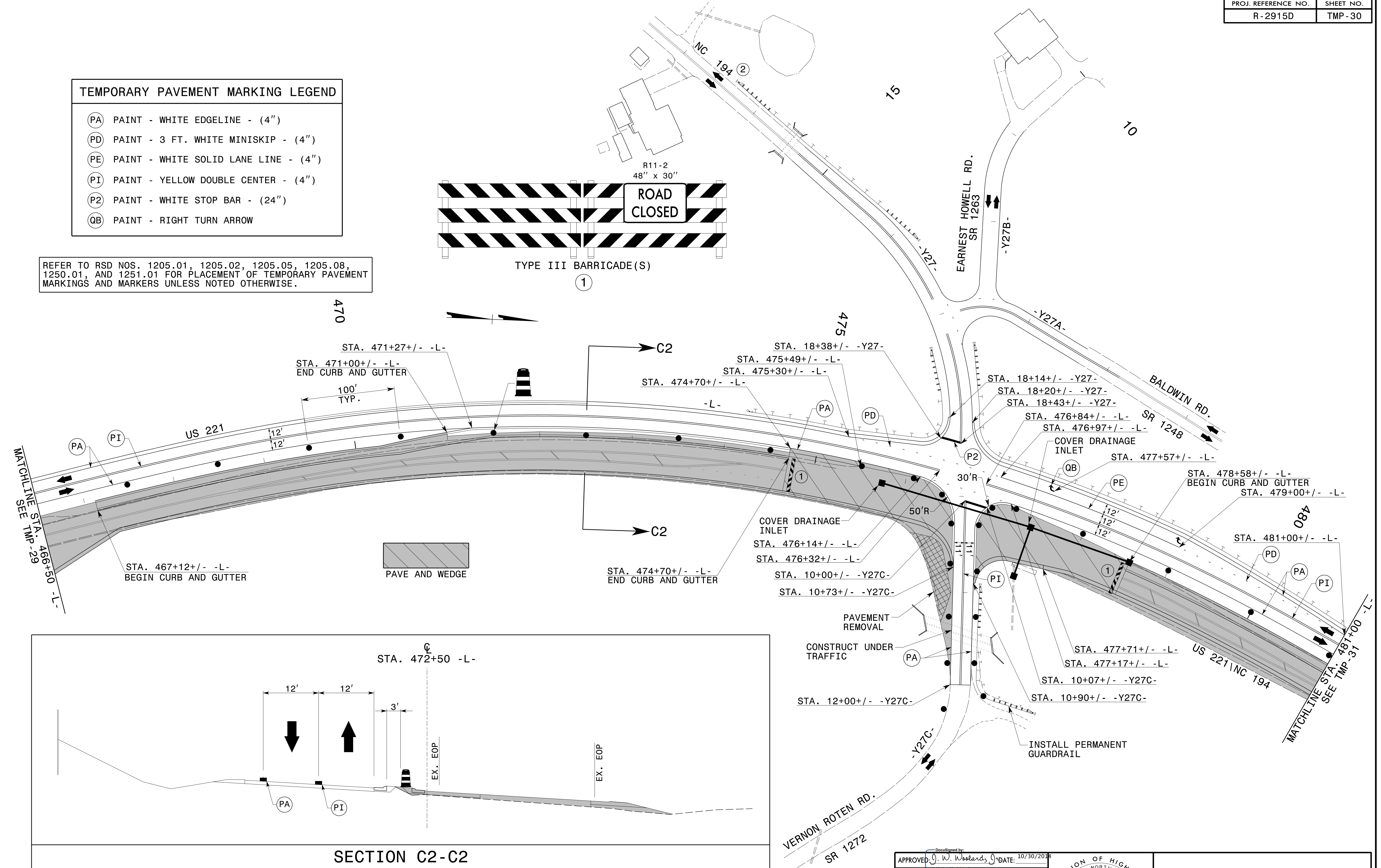
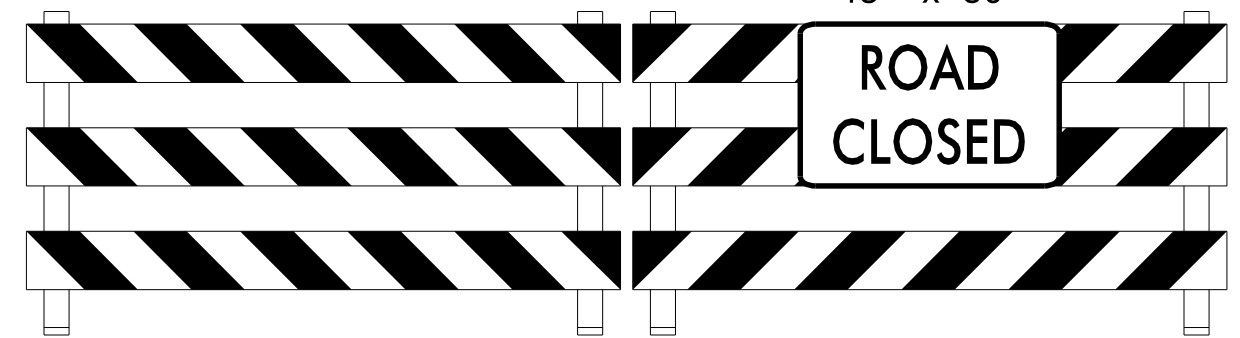
SEAL

PHASE II DETAILS

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TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")
(QB)	PAINT - RIGHT TURN ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1205.05, 1205.08, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



APPROVED: J. W. Woolard, DATE: 10/30/2014

SEAL

PROFESSIONAL ENGINEER

19862

J. W. WOOLARD

DIVISION OF HIGHWAYS

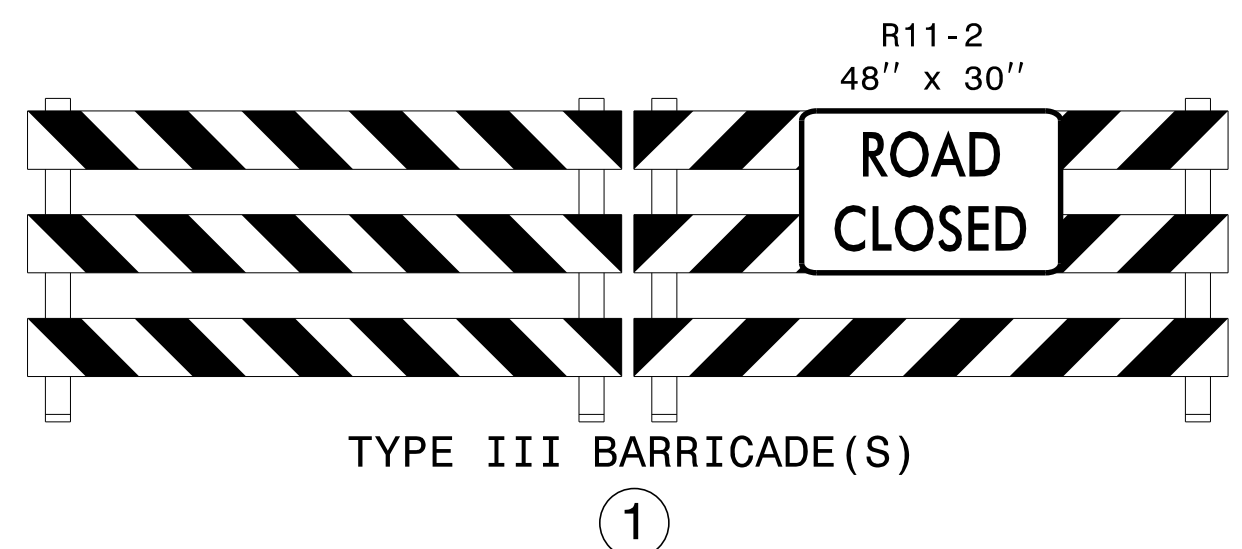
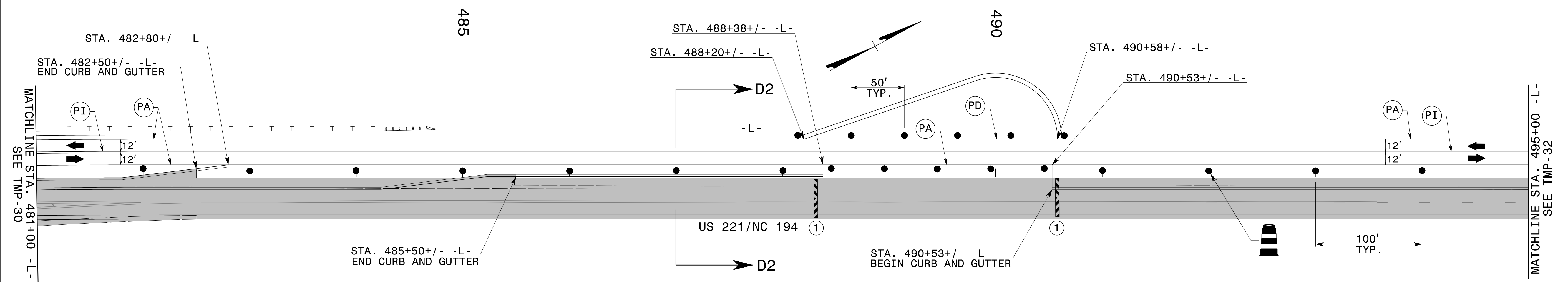
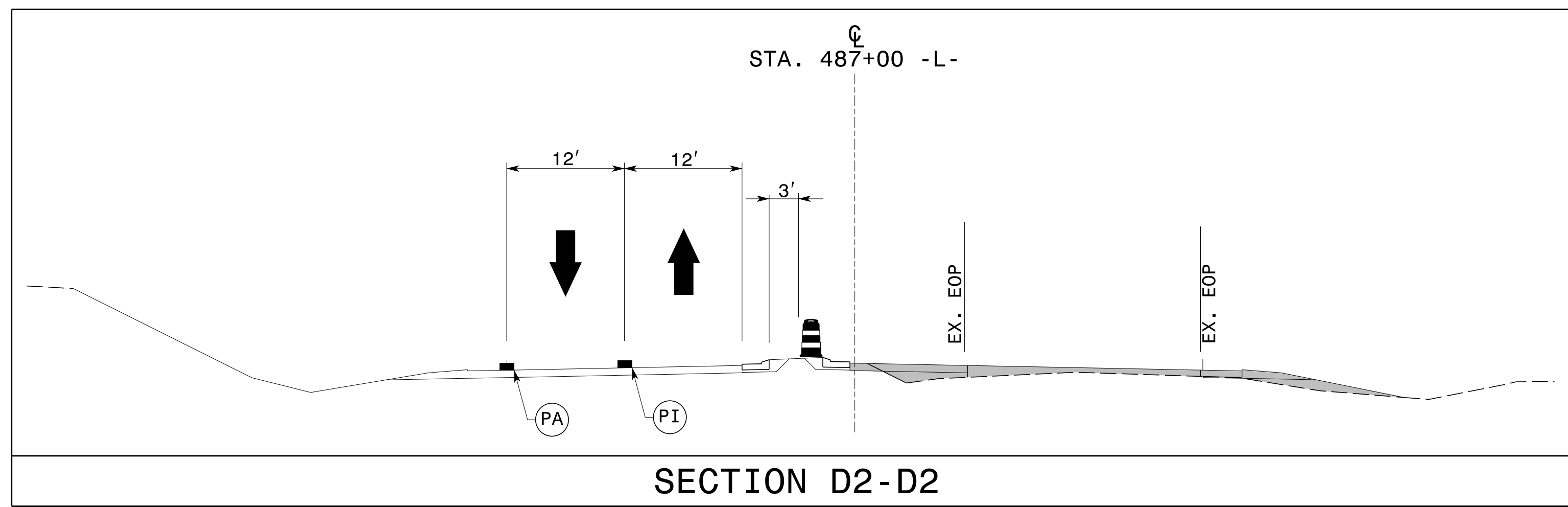
STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

ZONE TRAFFIC CONTROL

PHASE II DETAILS

10/24/2014 p:\tipb\projects-r\2915d\trafficcontrol\cp\R2915D\_TC\_Ph2\_TMP30.dgn User:tscoodts



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

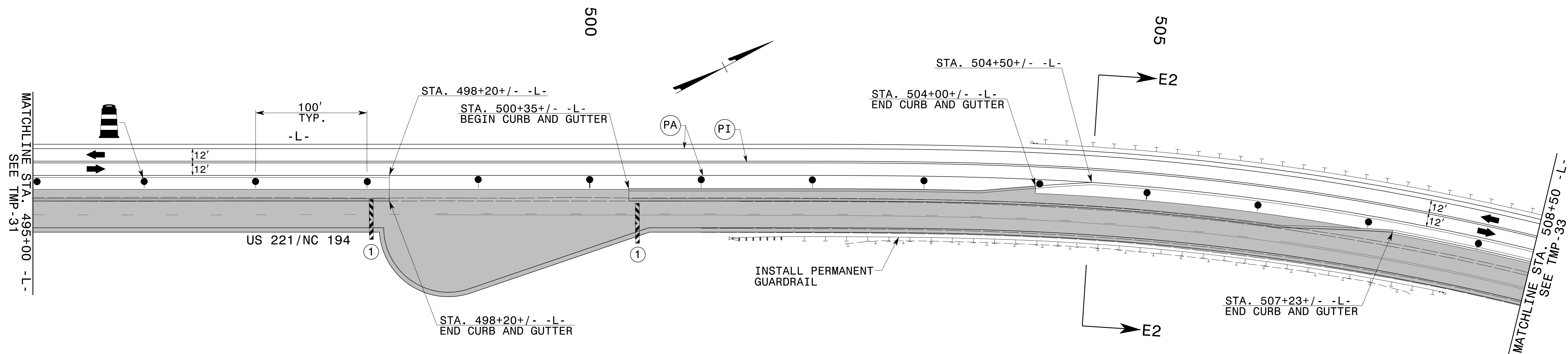
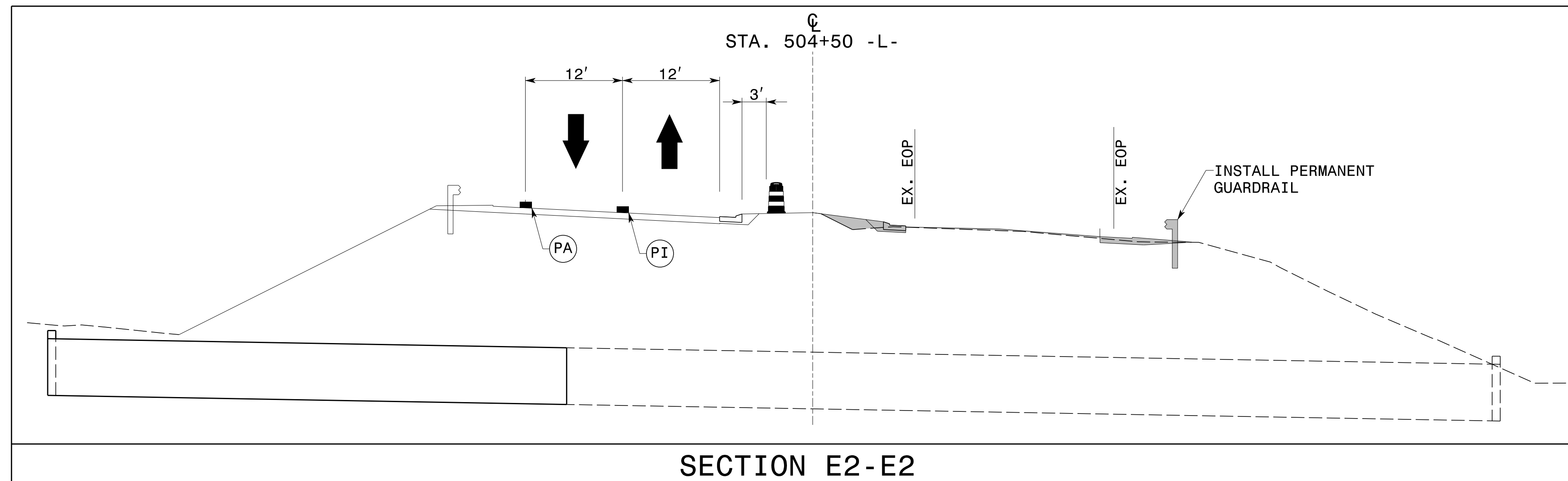
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

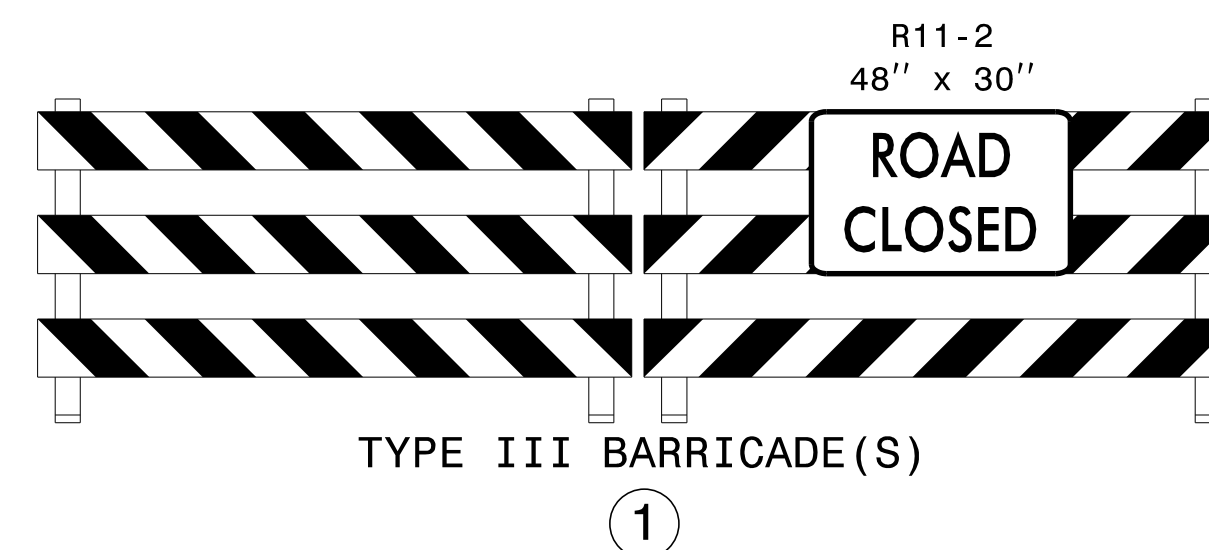
SEAL



PHASE II DETAILS



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")

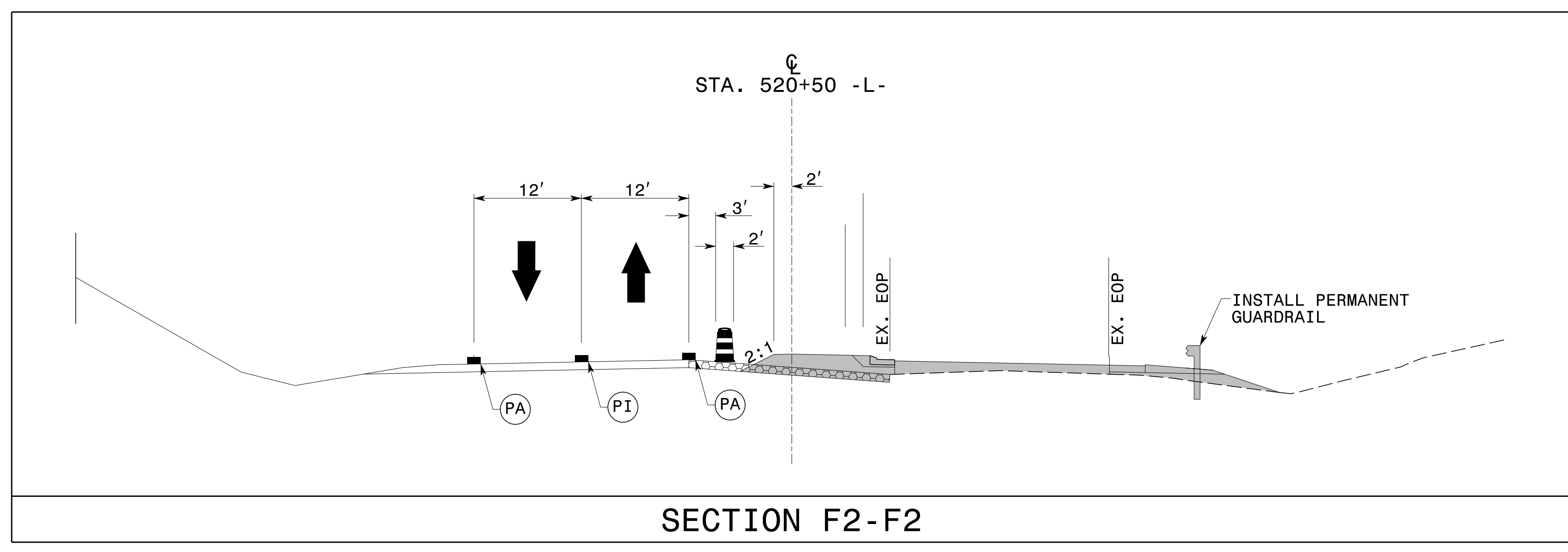
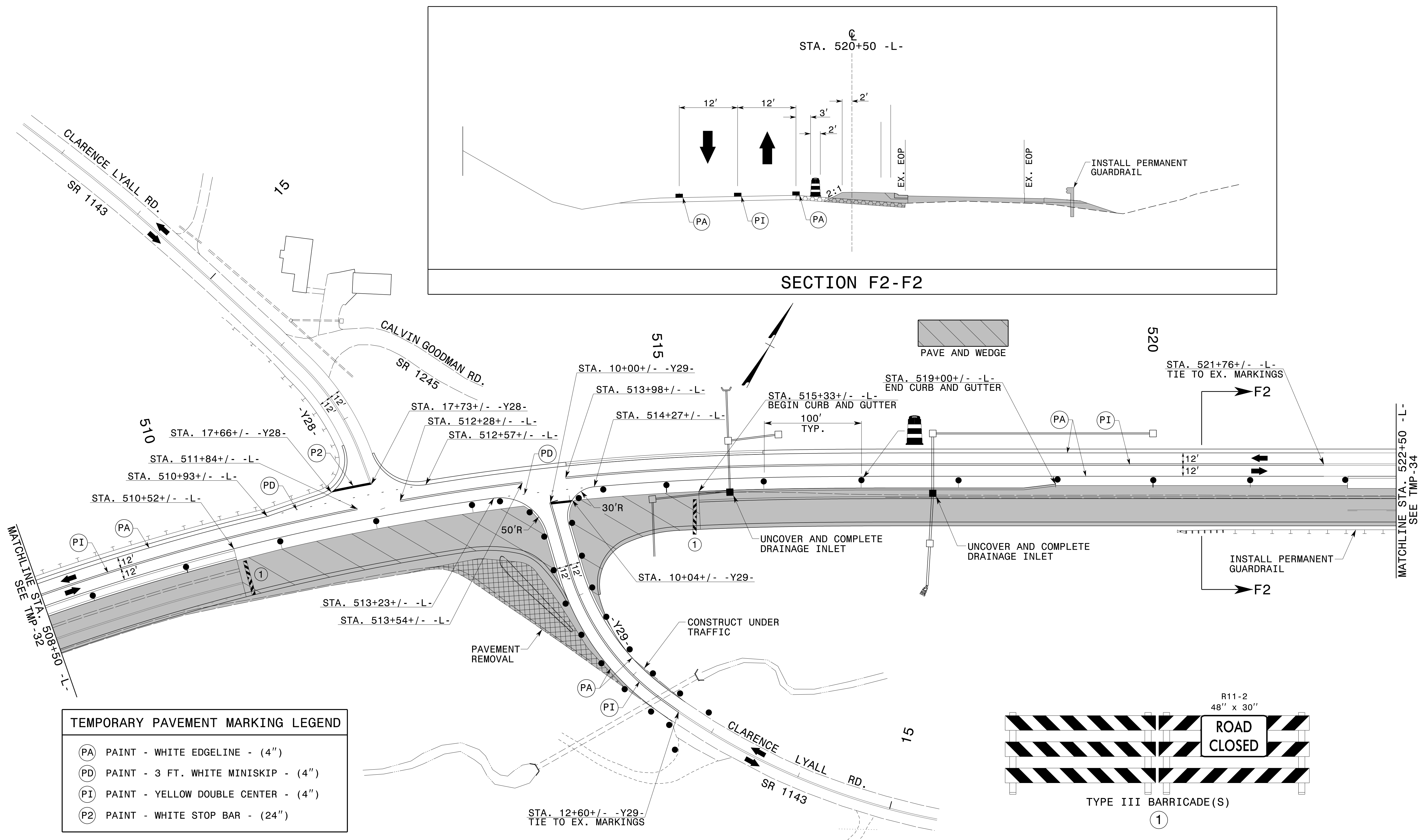


REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

APPROVED: *J. W. Woolard* DATE: 10/30/2014

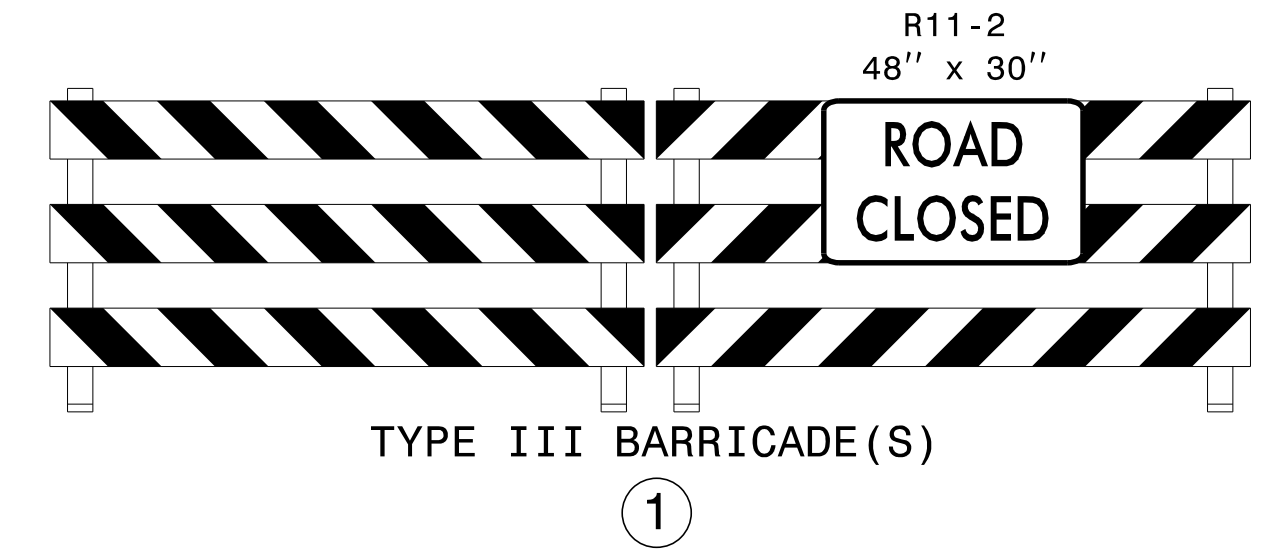
SEAL

PHASE II DETAILS



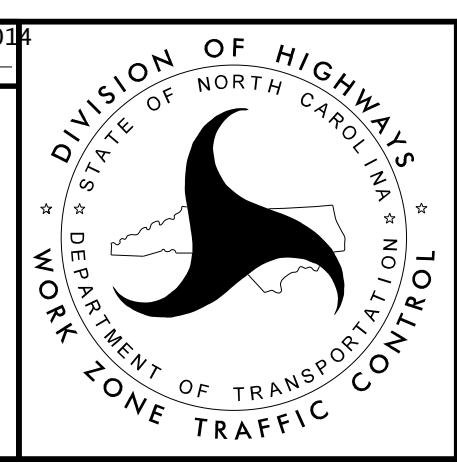
TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



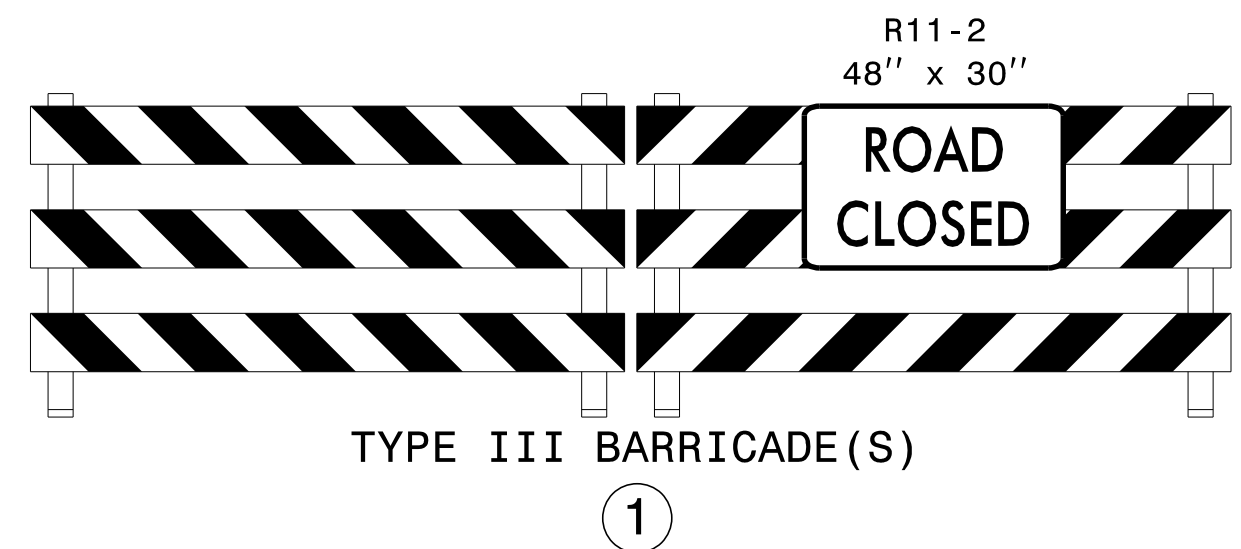
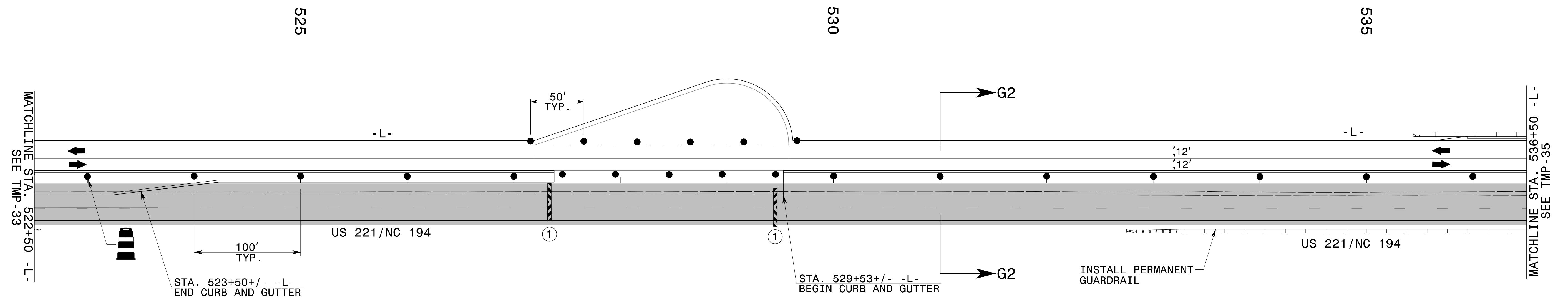
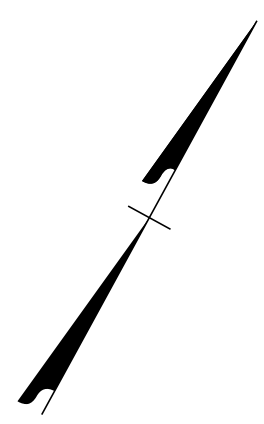
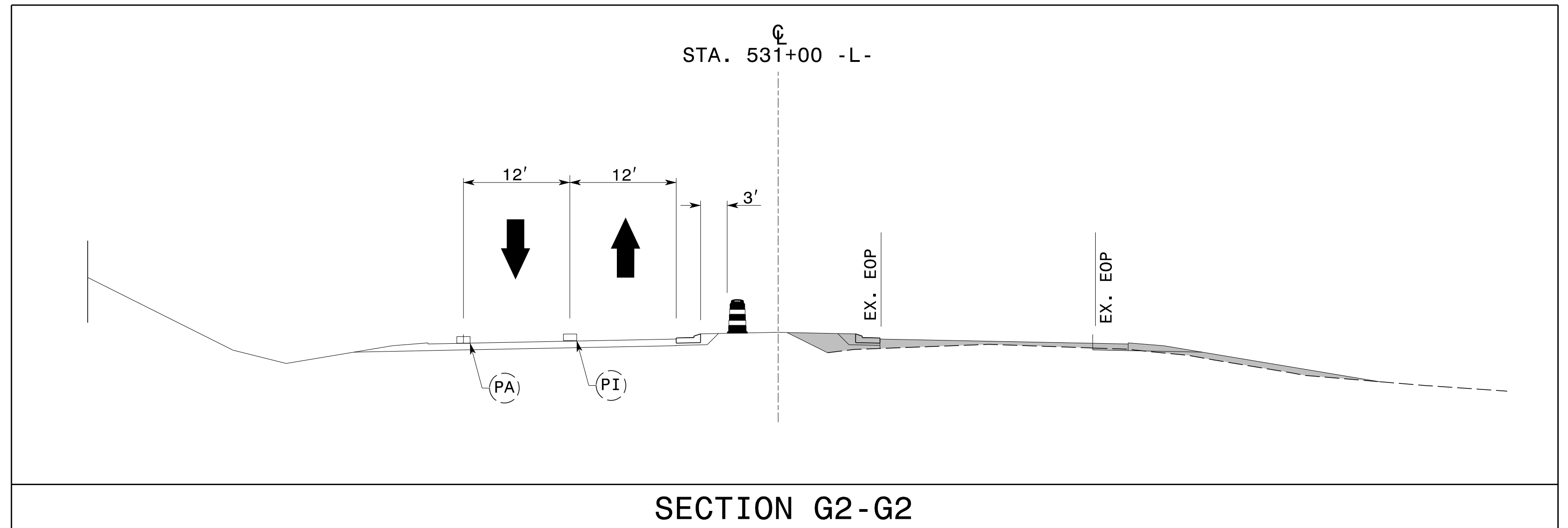
APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL



PHASE II DETAILS

10/24/2014 p:\t\p\projects-r\2915d\traffic\trafficcontrol\cp\R2915D\_TC\_PH2\_TMP33.dgn User:scodts



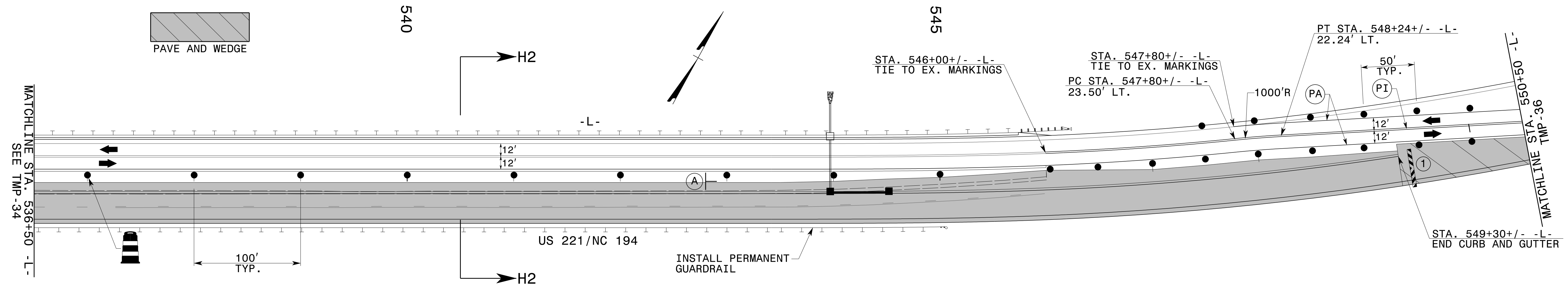
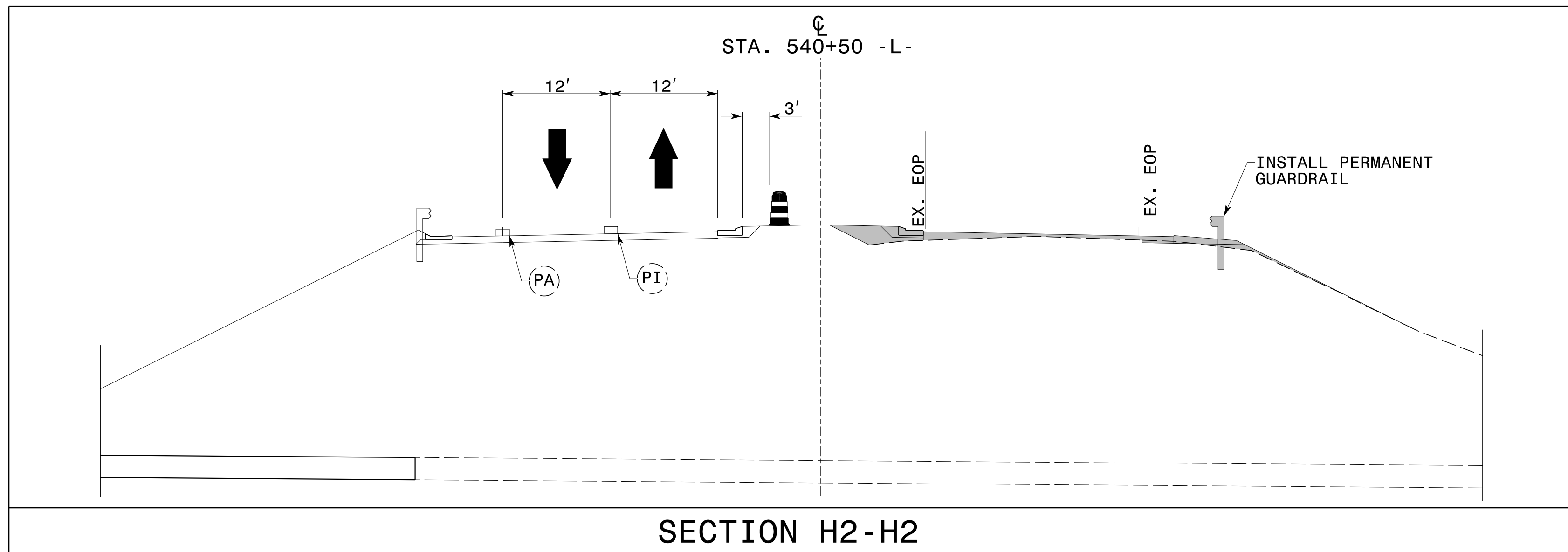
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 User:scodts

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

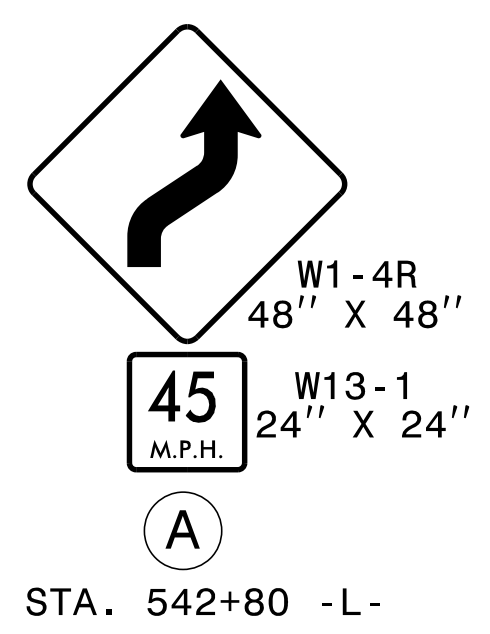
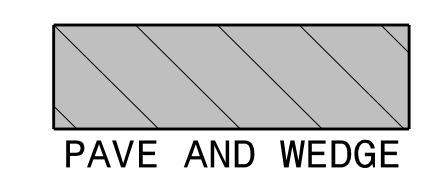


PHASE II DETAILS



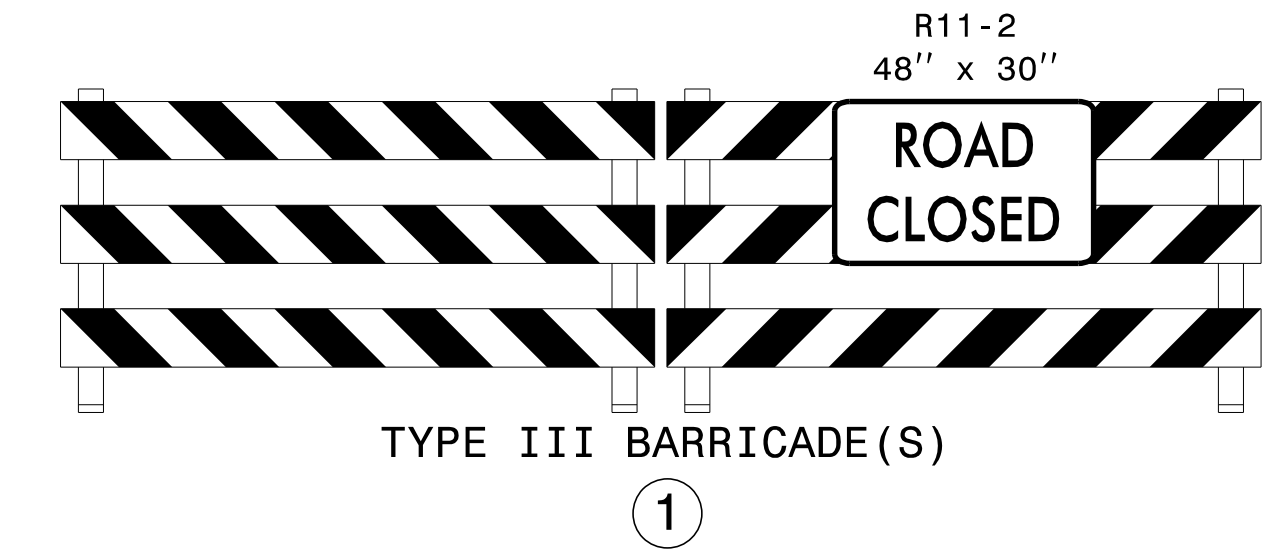
MATCHLINE STA. 536+50 -L-  
SEE TMP-34

MATCHLINE STA. 550+50 -L-  
TMP-36



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")

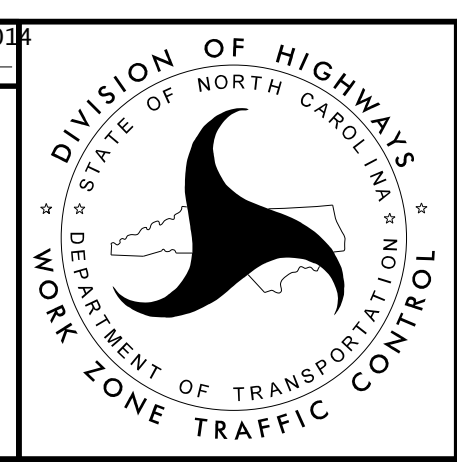
REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



10/24/2014  
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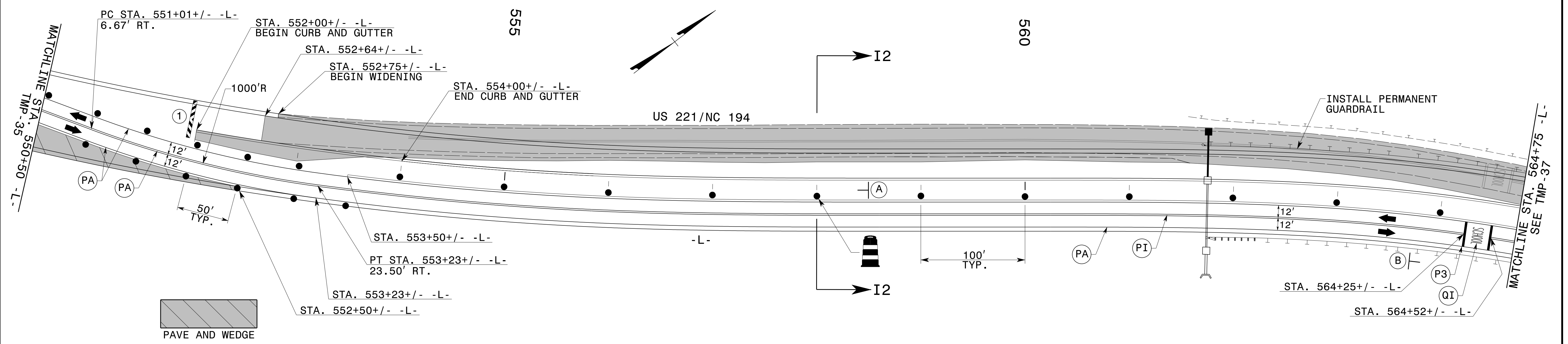
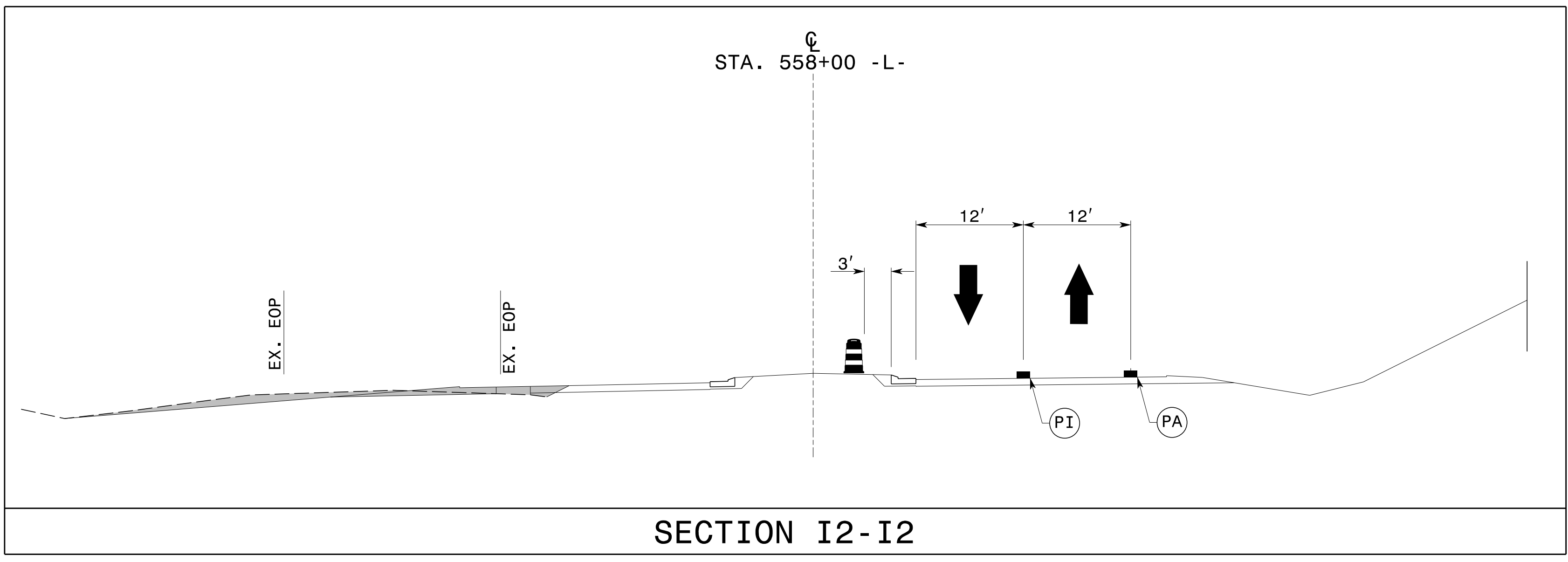
APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL



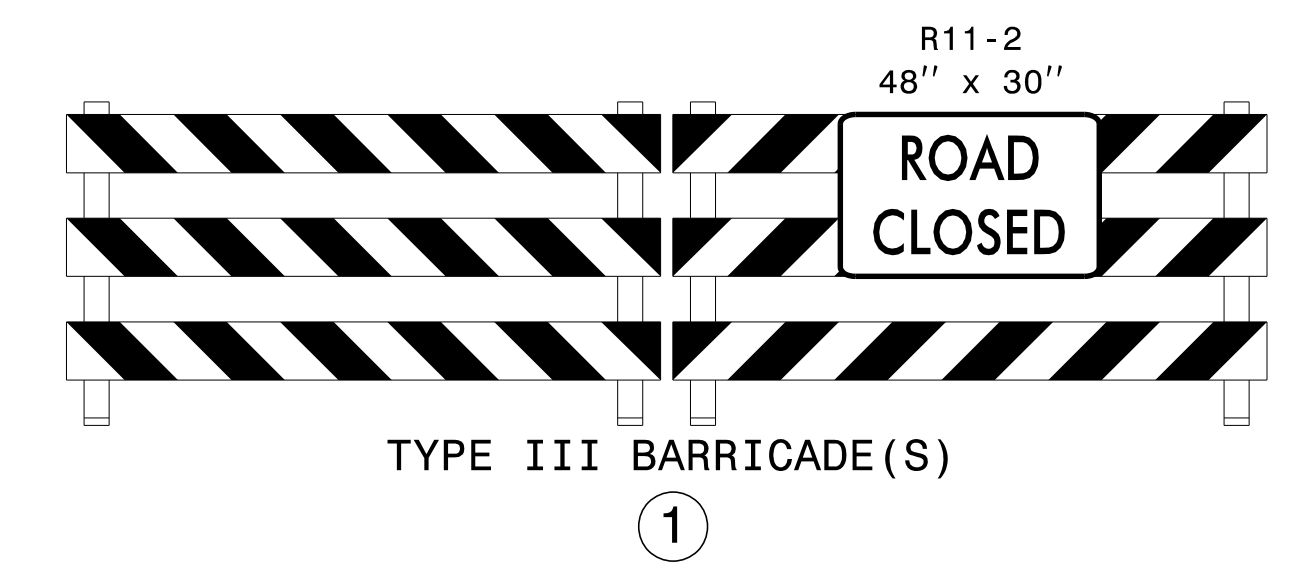
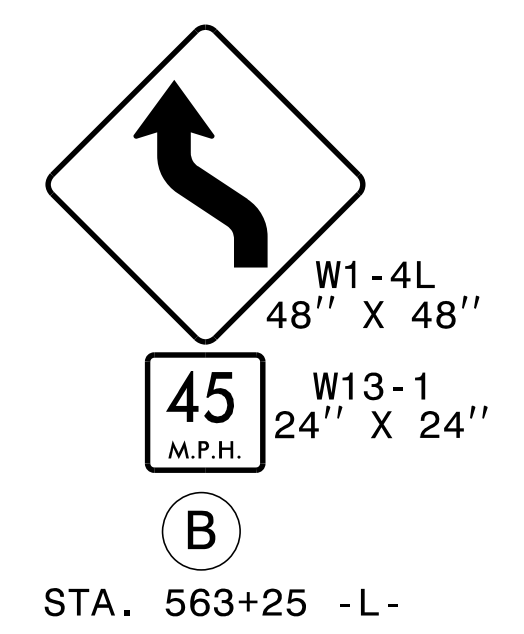
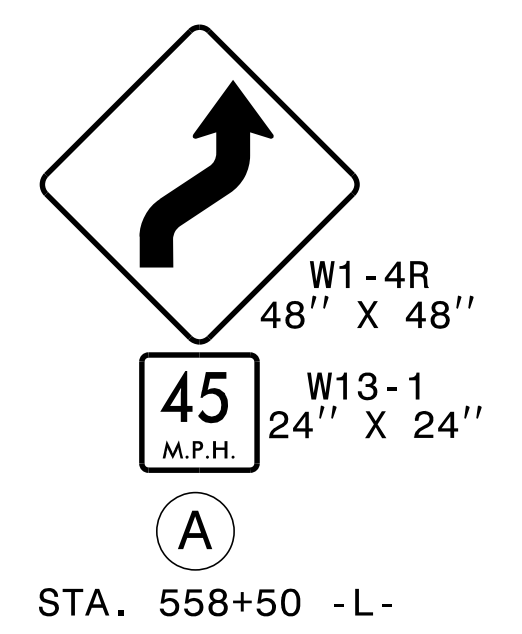
PHASE II DETAILS





TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P3)	PAINT - WHITE CROSSWALK LINE - (24")
(QI)	PAINT - ALPHANUMERIC CHARACTER

REFER TO RSD NOS. 1205.01, 1205.02, 1205.08, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

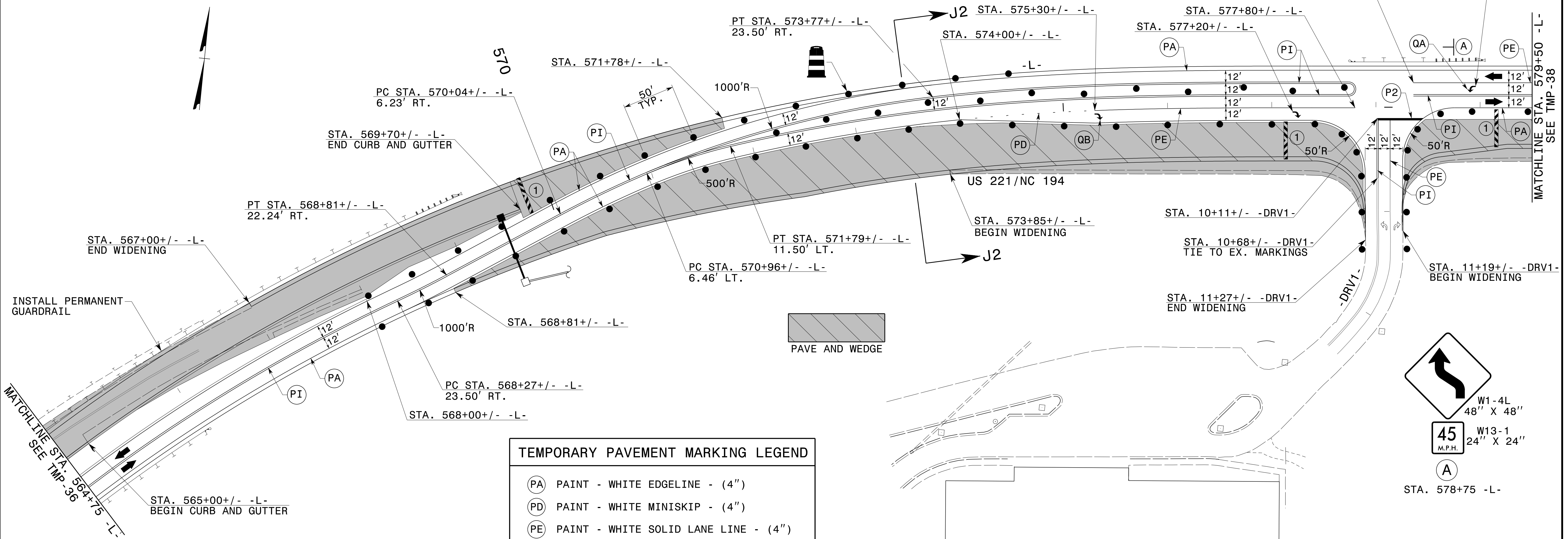
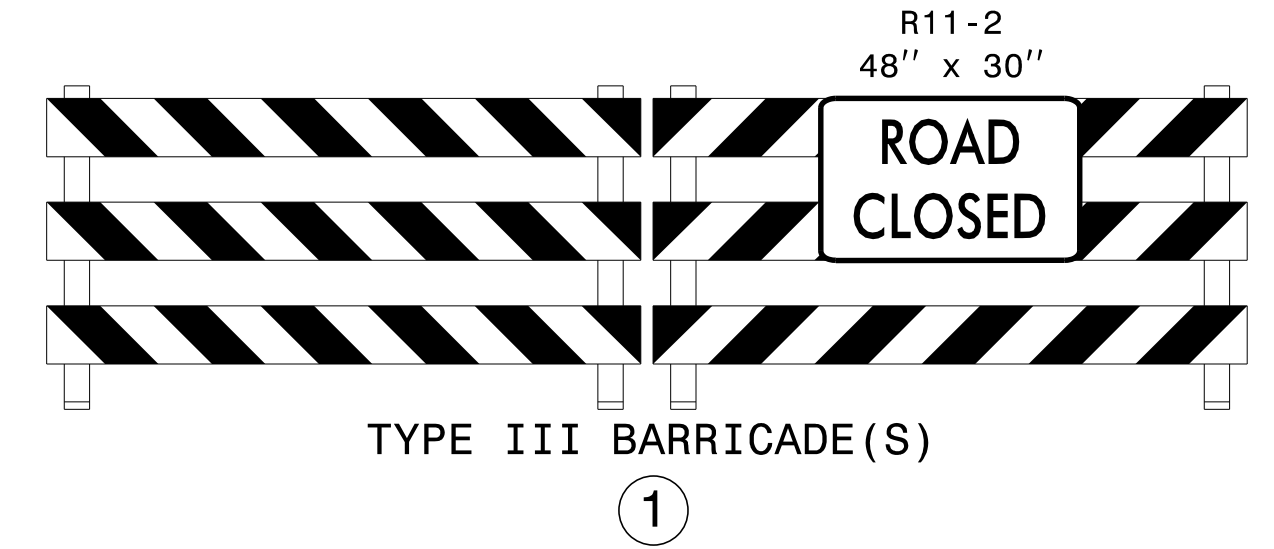
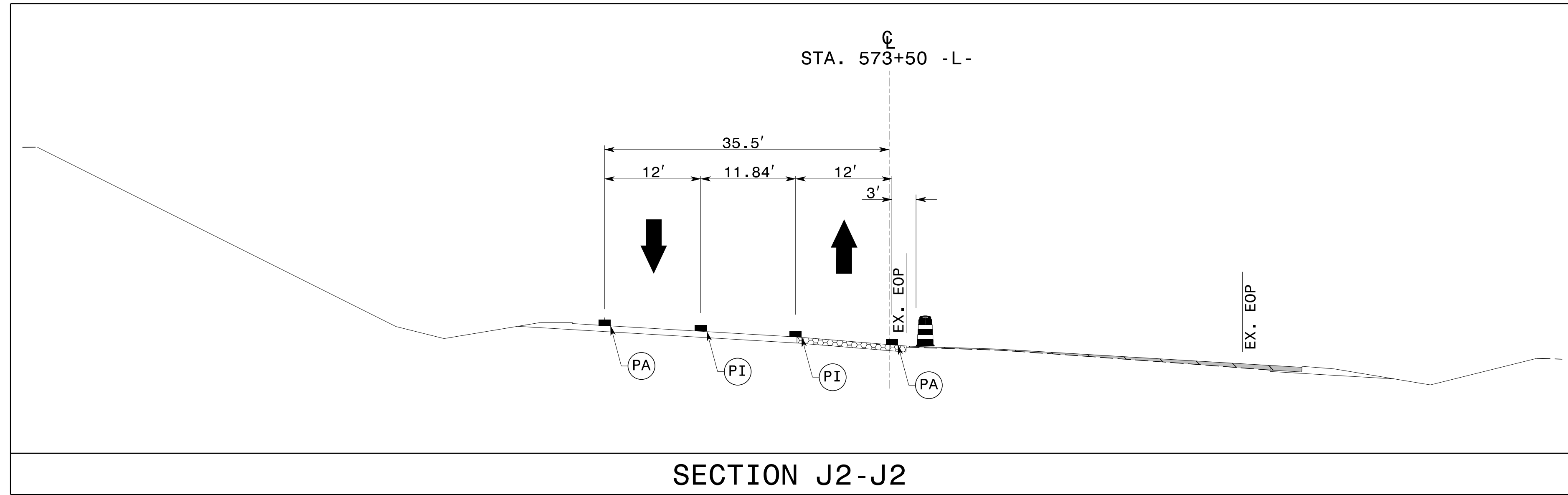


APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

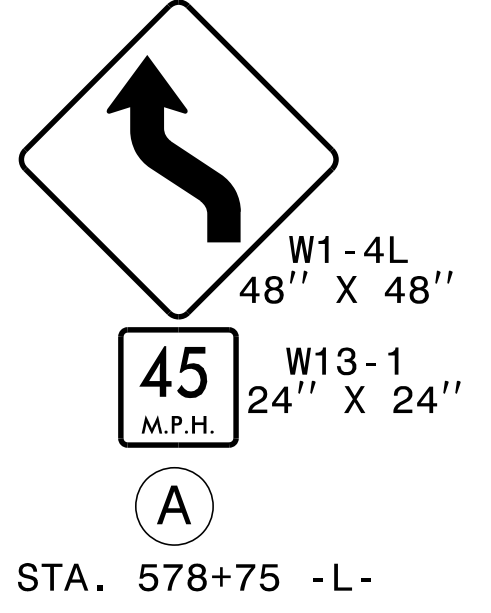
PHASE II DETAILS

10/24/2014  
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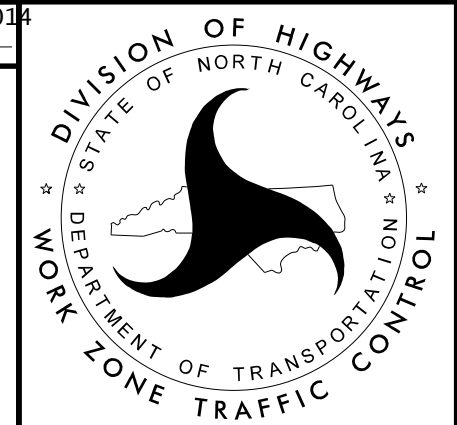
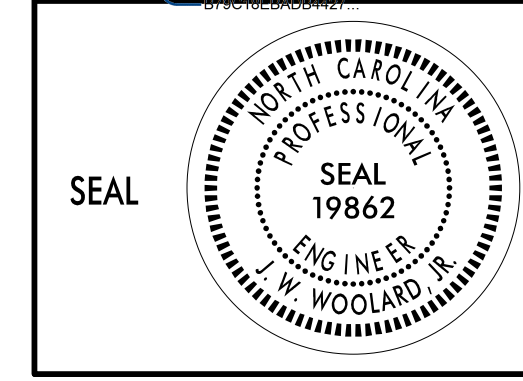


TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PD)	PAINT - WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT TURN ARROW
(QB)	PAINT - RIGHT TURN ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1205.08, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

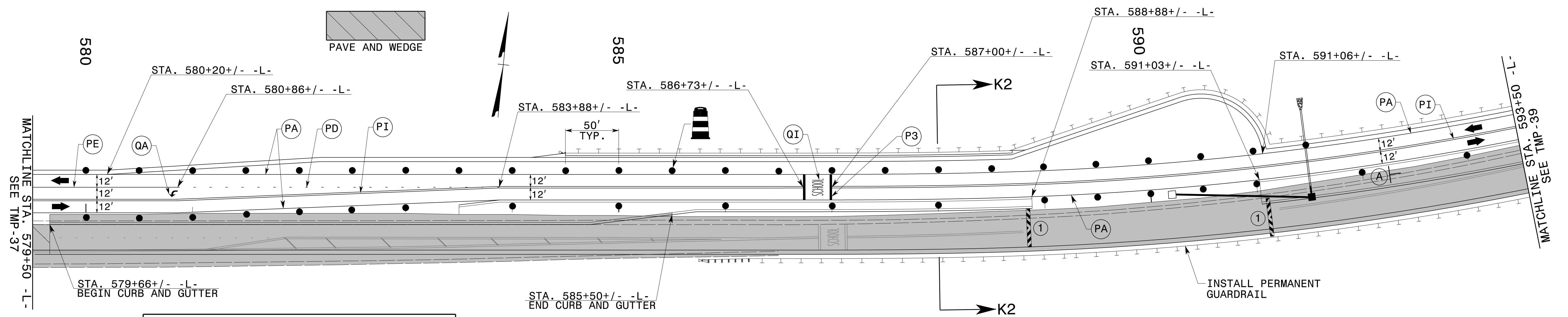
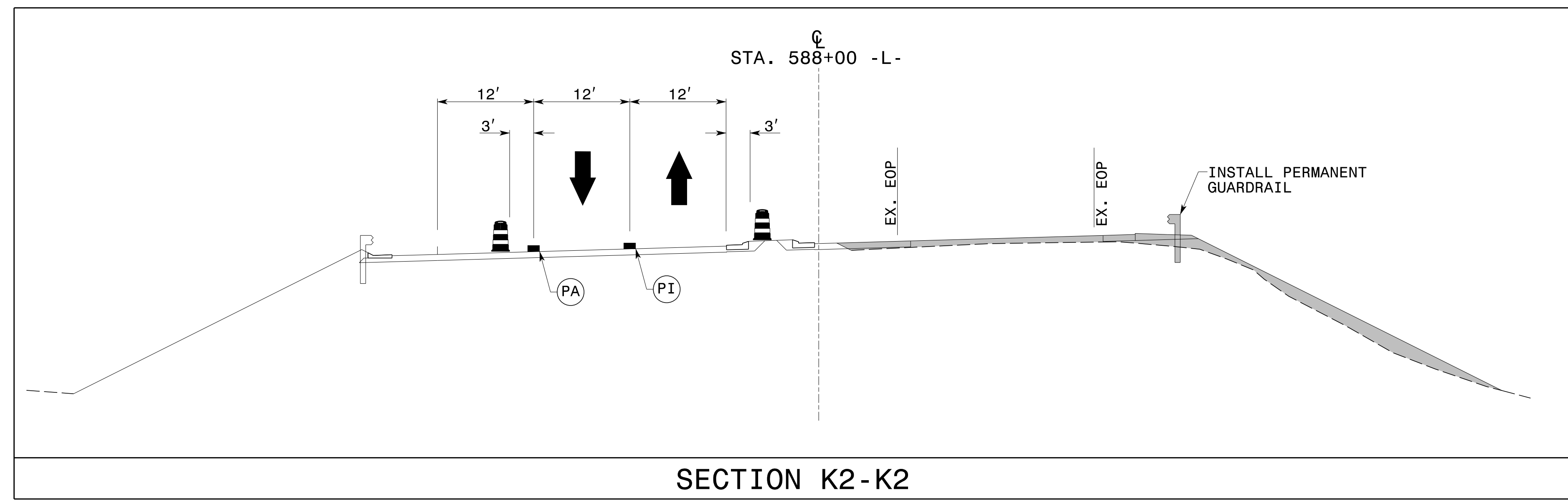


APPROVED: *J. W. Woolard* DATE: 10/30/2014



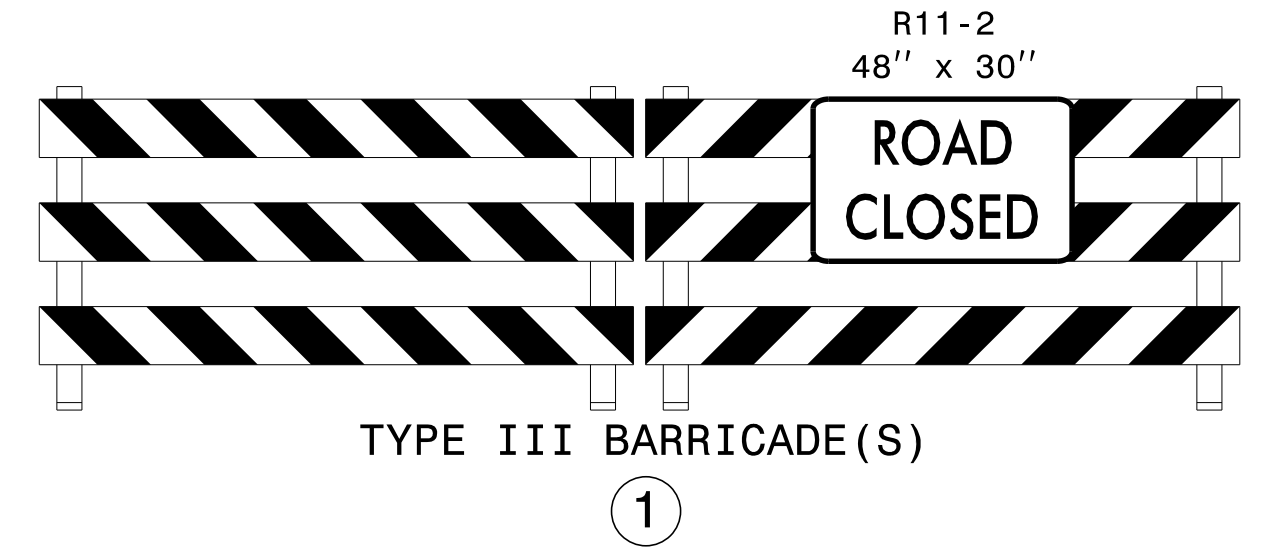
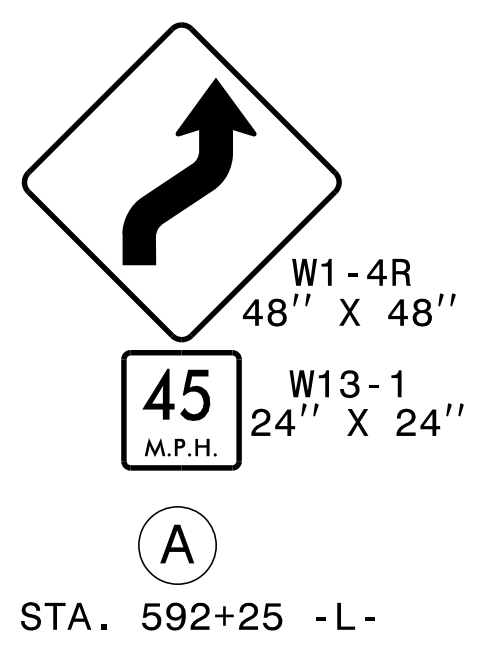
PHASE II DETAILS

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TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PD)	PAINT - WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P3)	PAINT - WHITE CROSSWALK LINE - (24")
(QA)	PAINT - LEFT TURN ARROW
(QI)	PAINT - ALPHANUMERIC CHARACTER

REFER TO RSD NOS. 1205.01, 1205.02, 1205.08, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

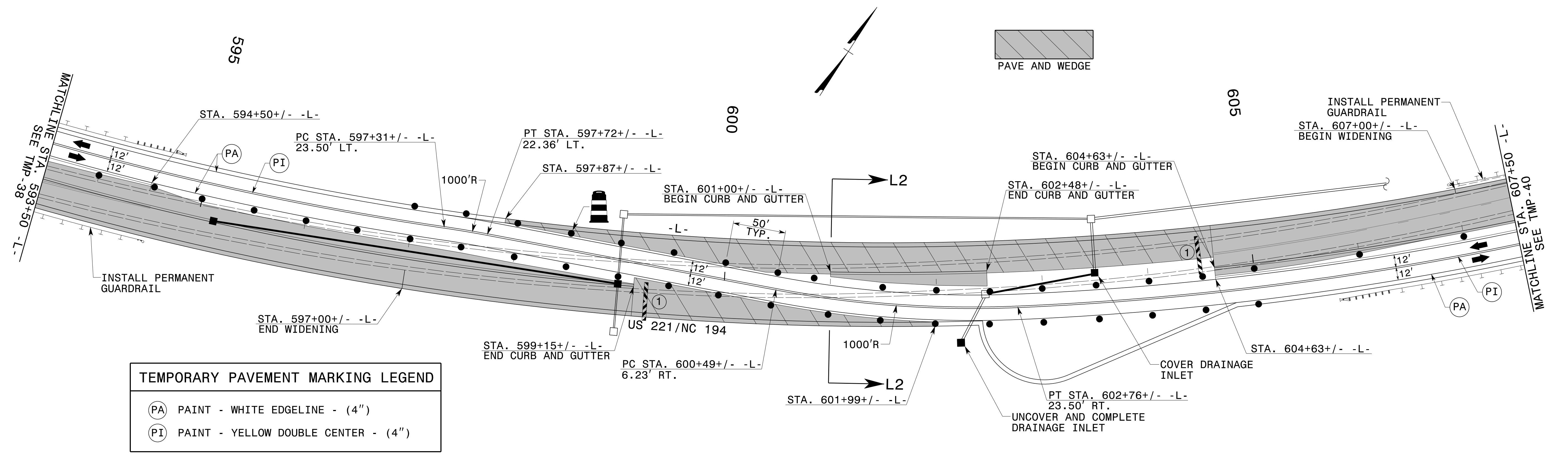
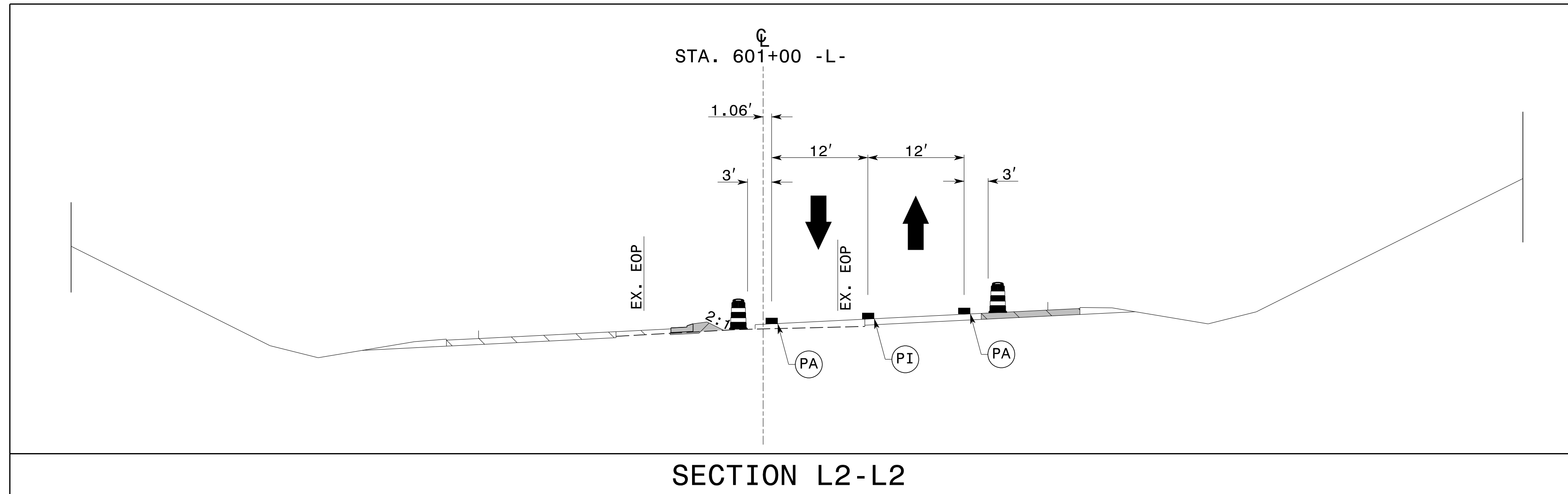


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APPROVED: *J. W. Woolard* DATE: 10/30/2014

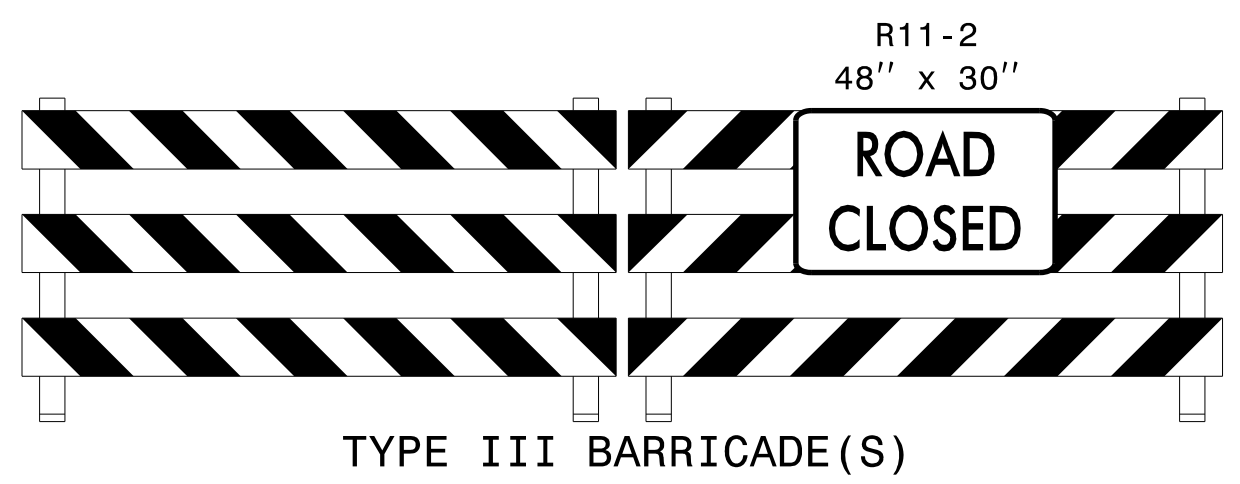
SEAL

PHASE II DETAILS



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

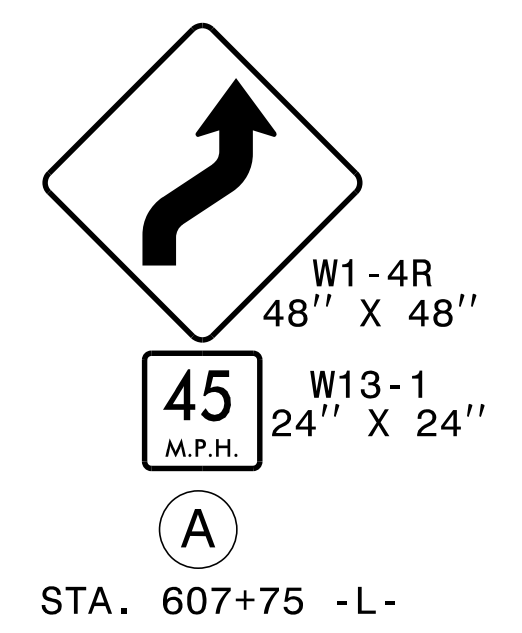
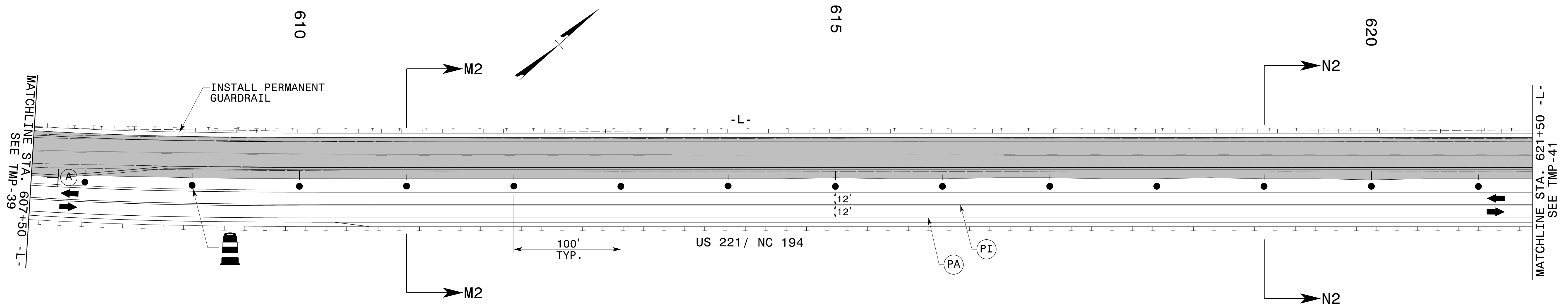
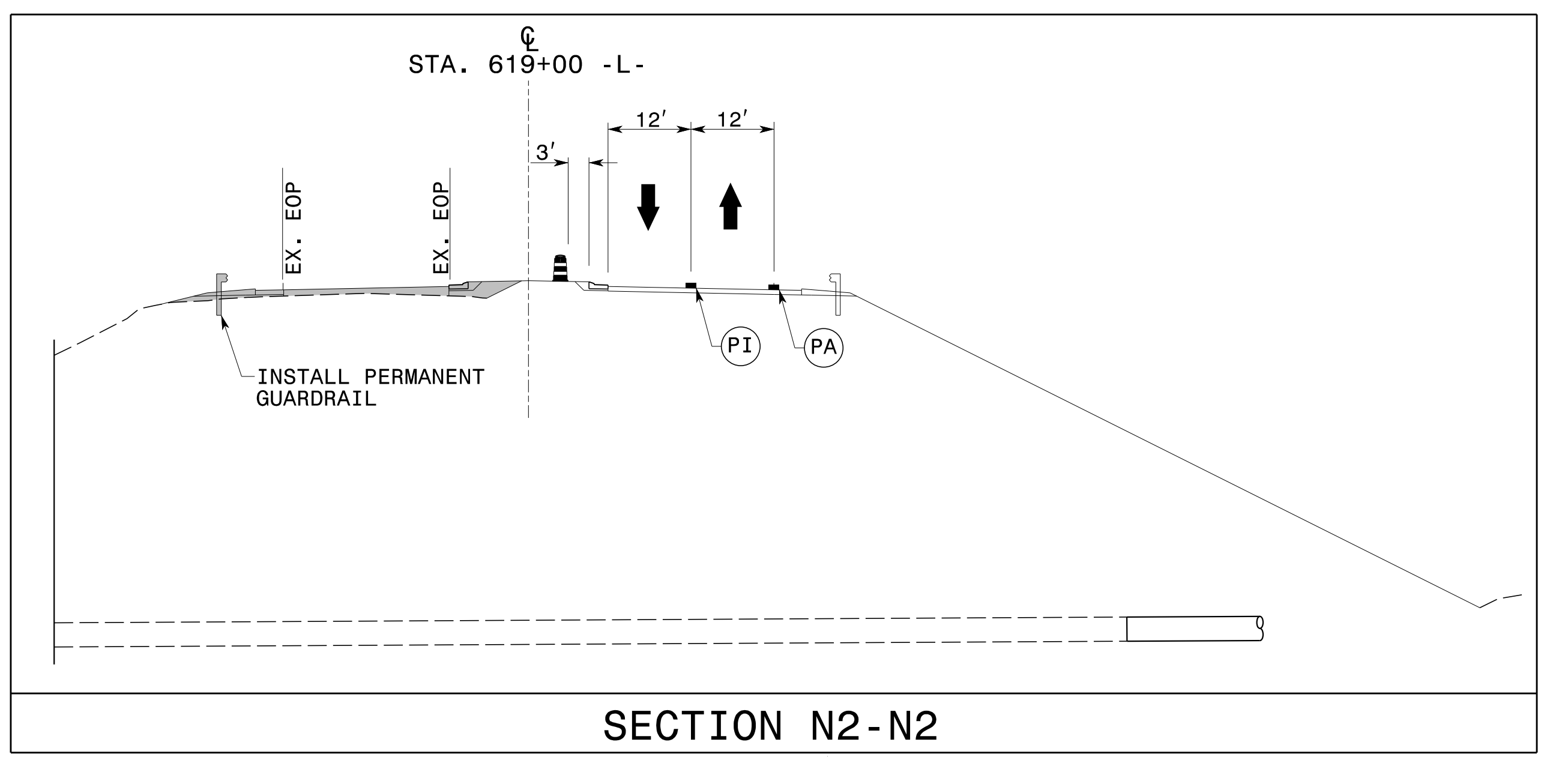
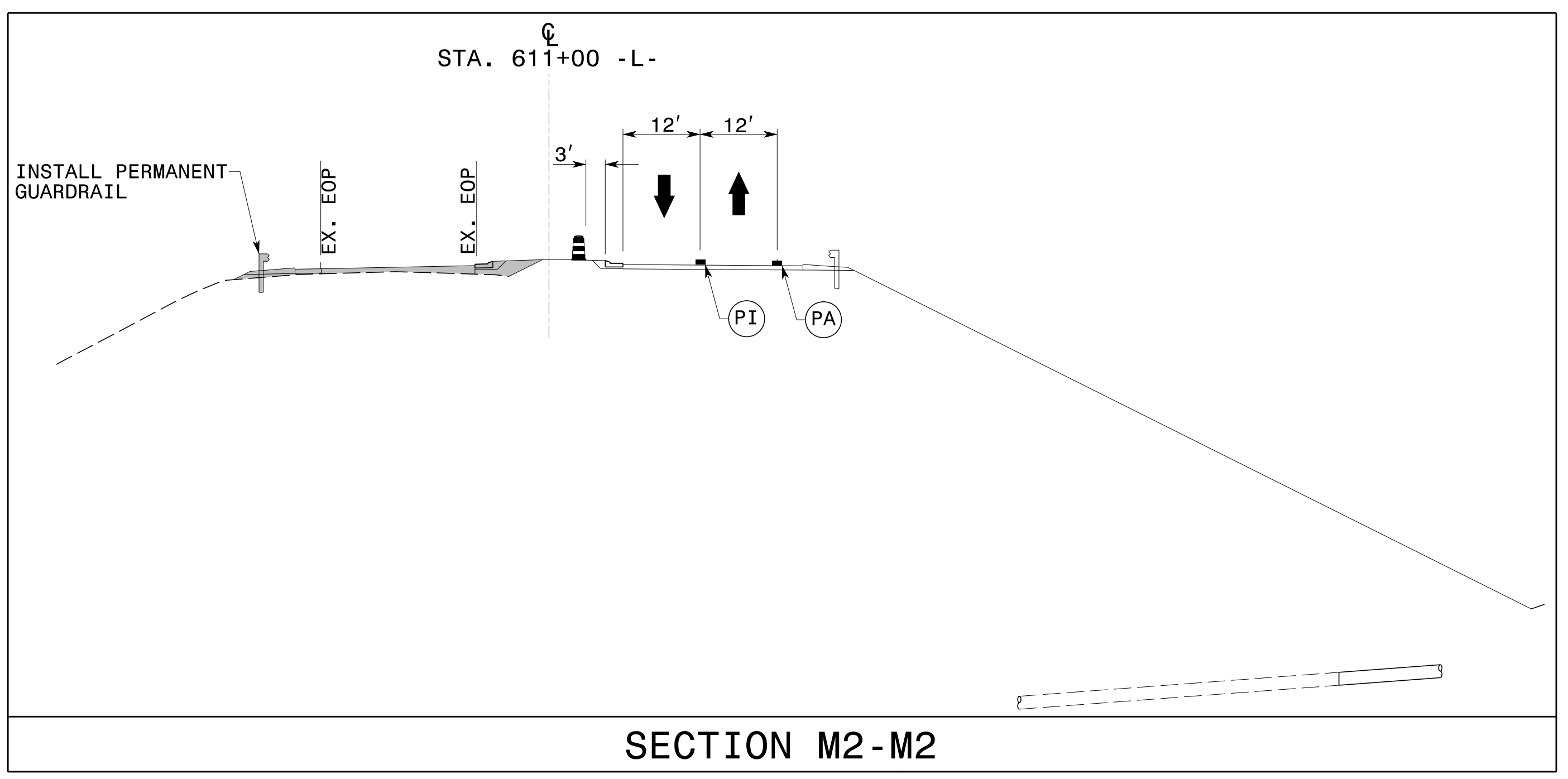


APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

PHASE II DETAILS

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TEMPORARY PAVEMENT MARKING LEGEND	
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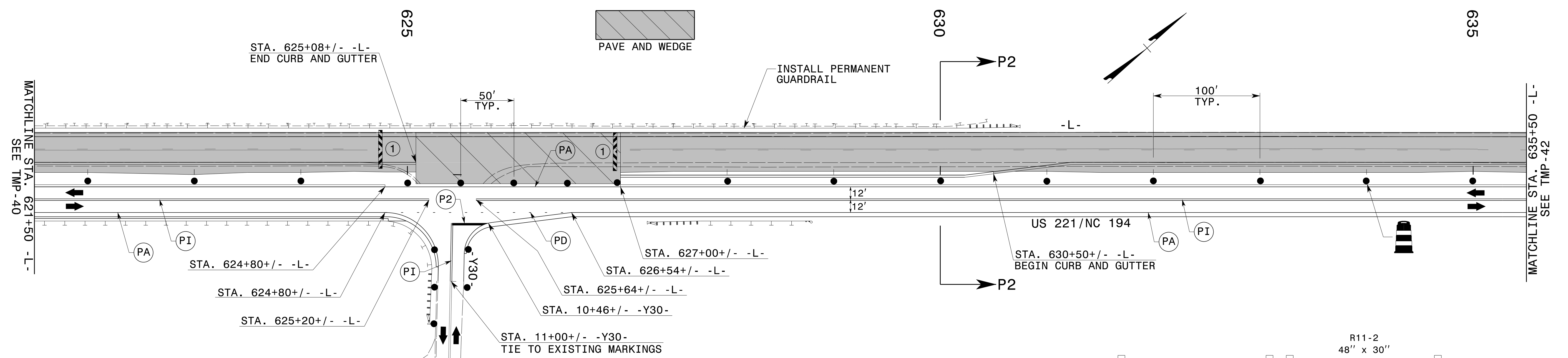
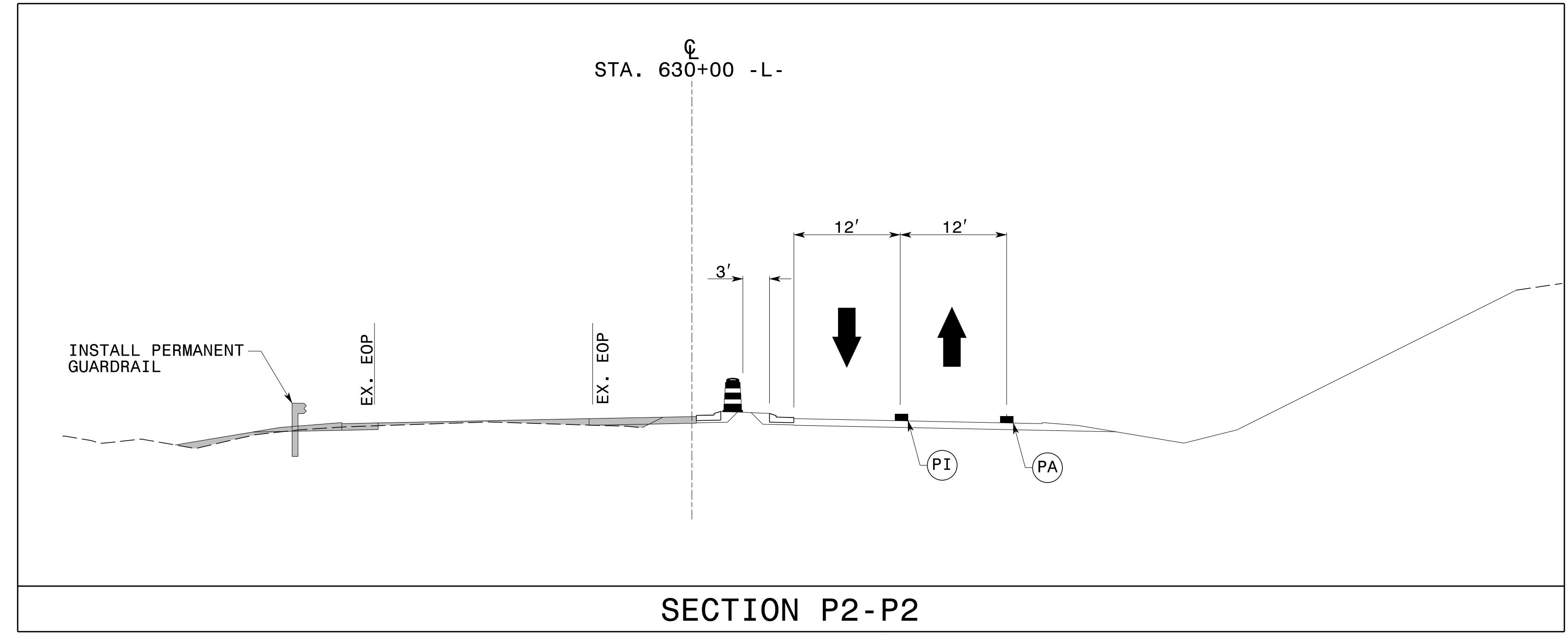
REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

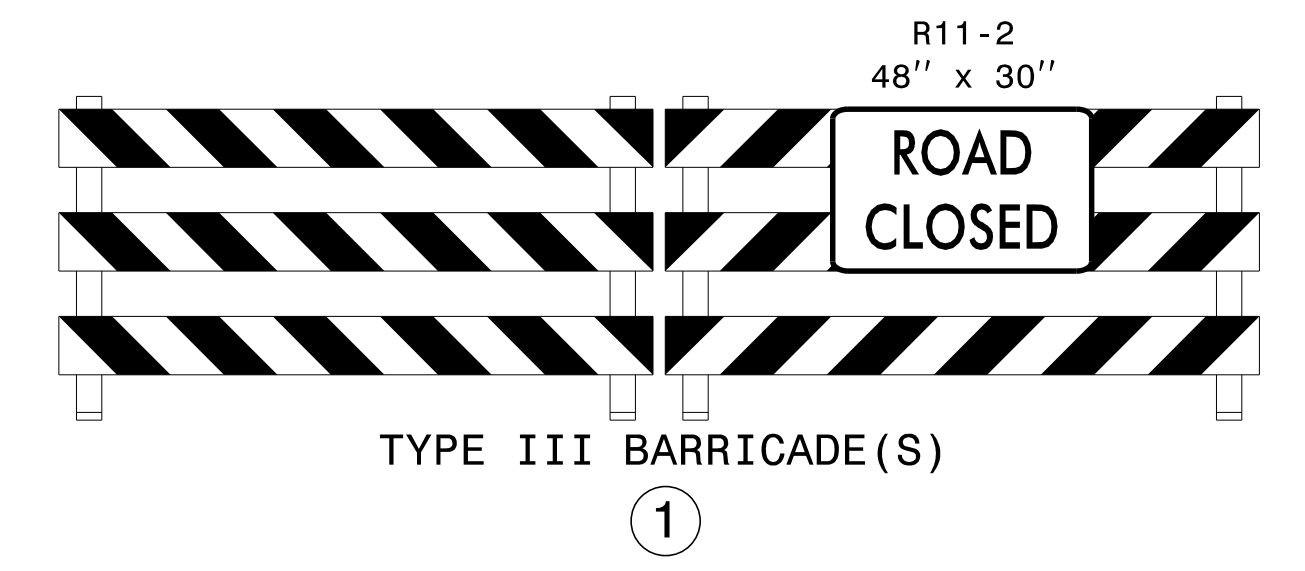
PHASE II DETAILS

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TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PD)	PAINT - WHITE MINISKIP - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")

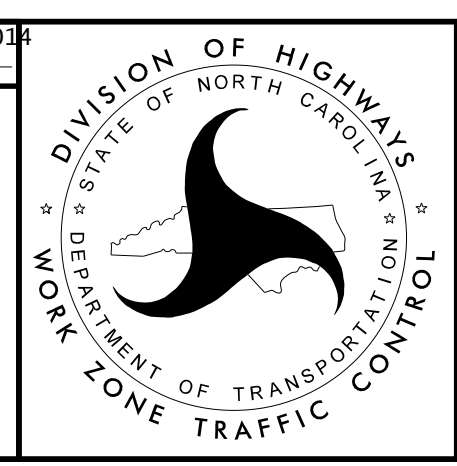
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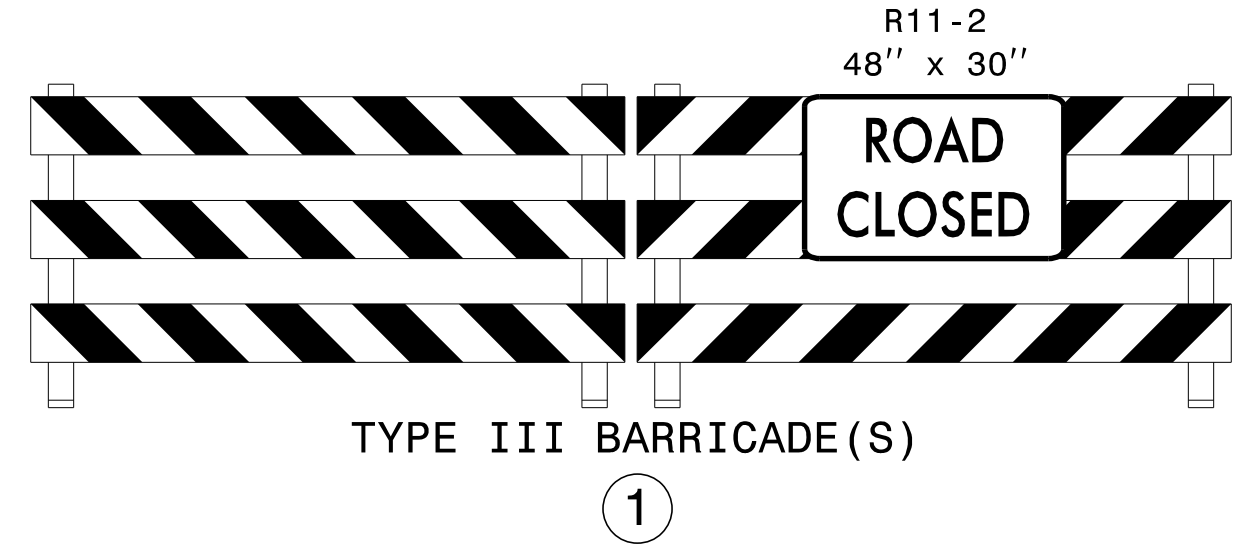
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

DocuSign by: *J. W. Woolard*

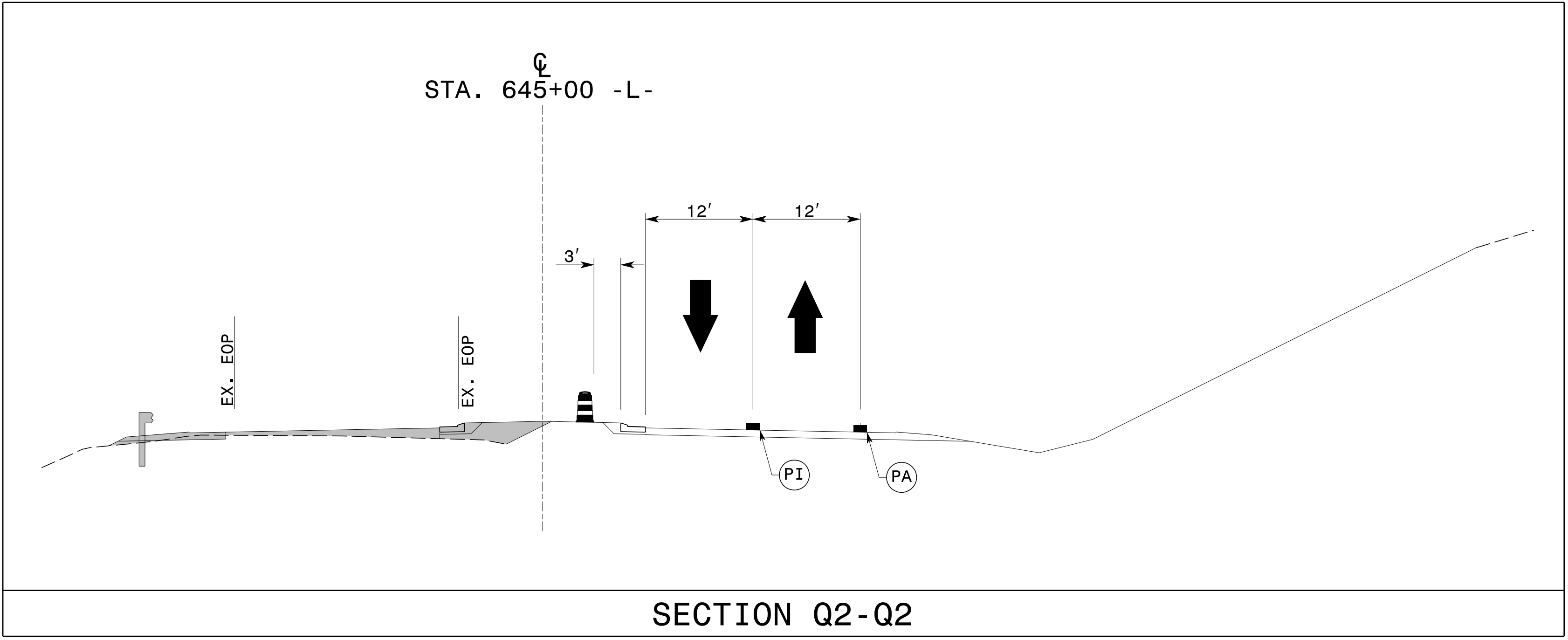
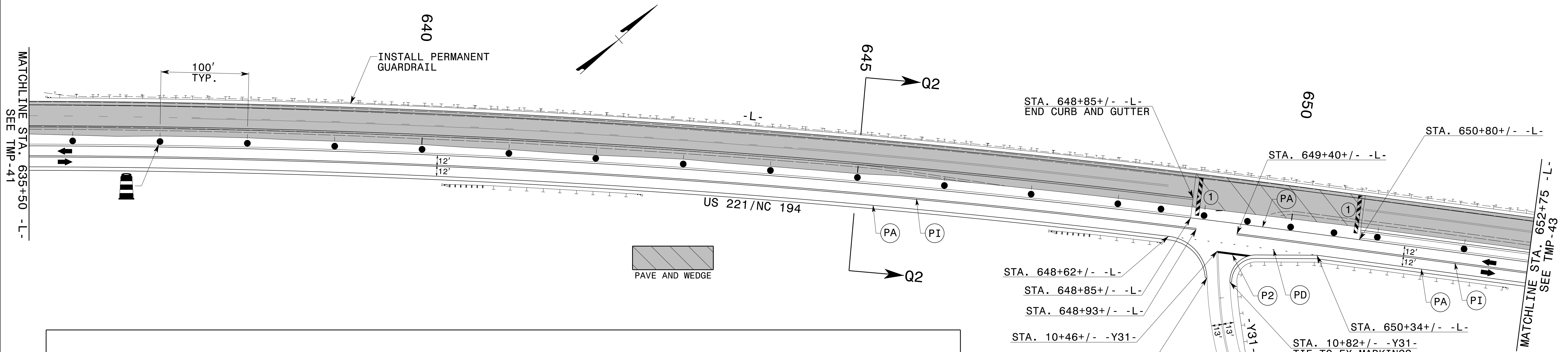


PHASE II DETAILS



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



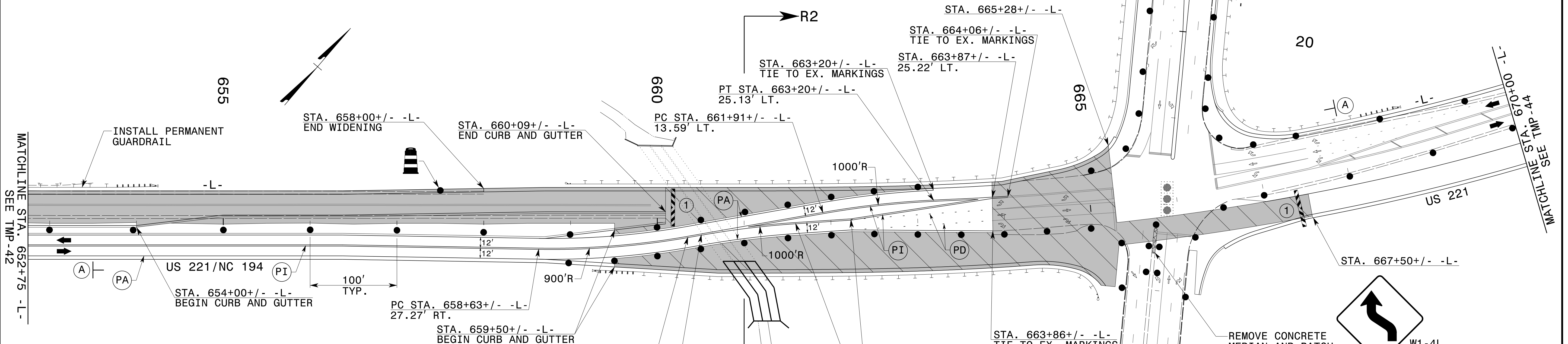
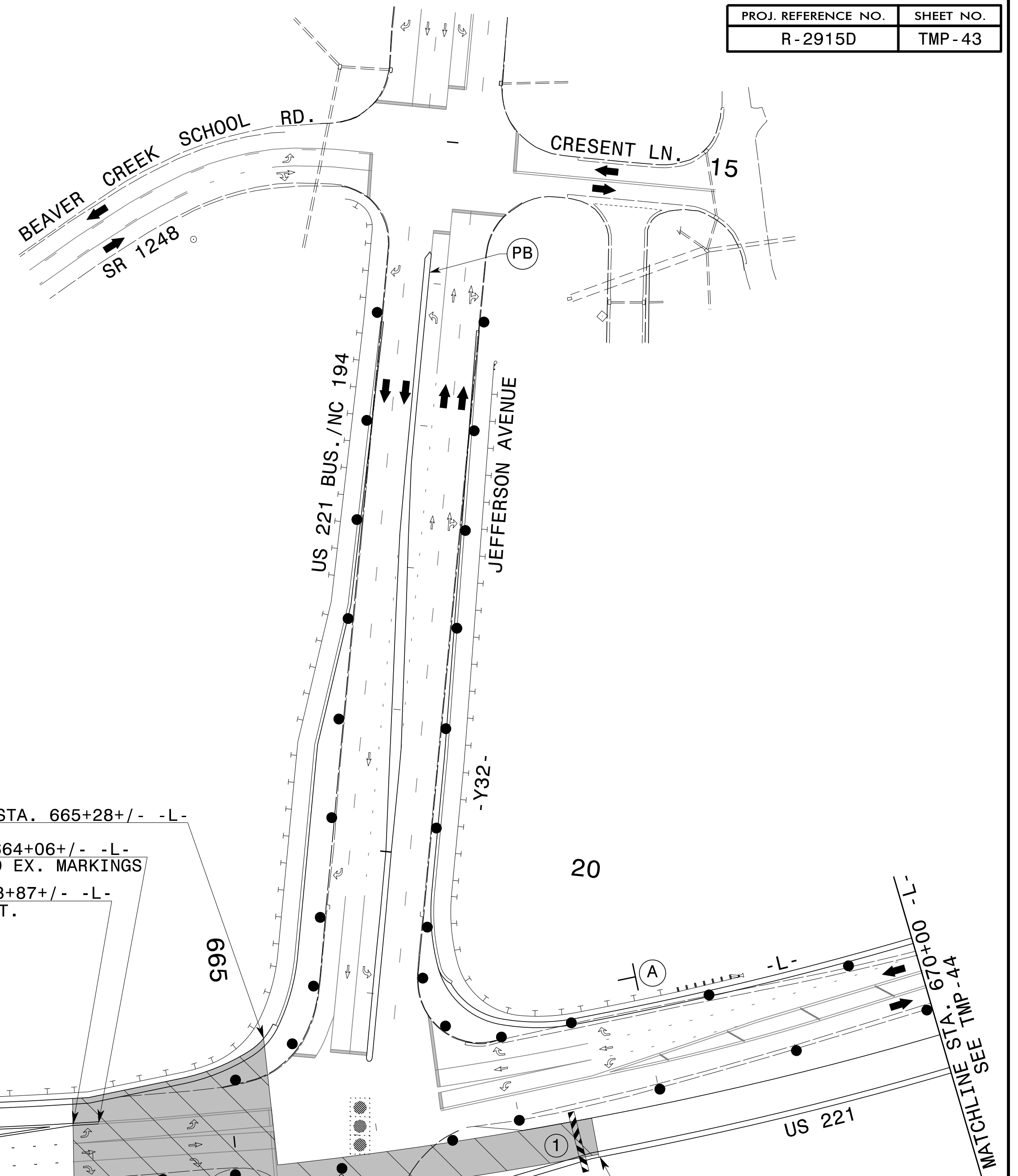
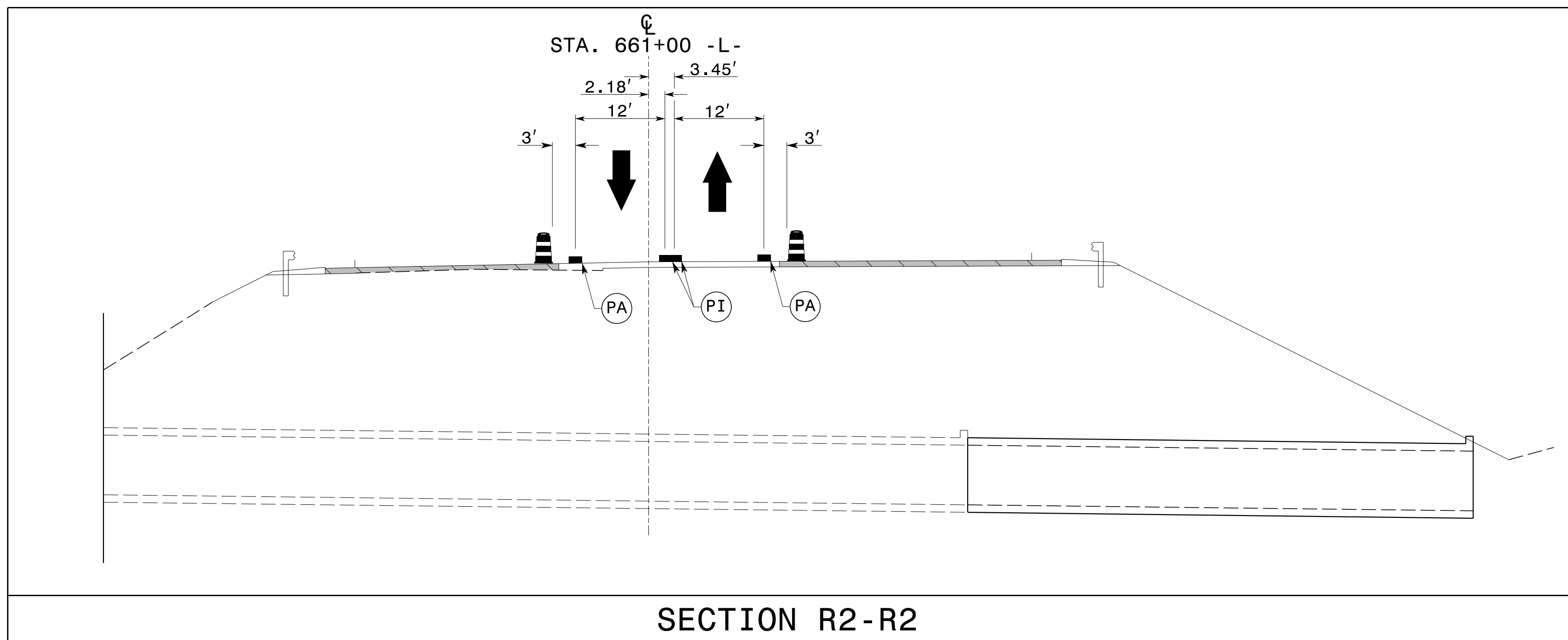
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

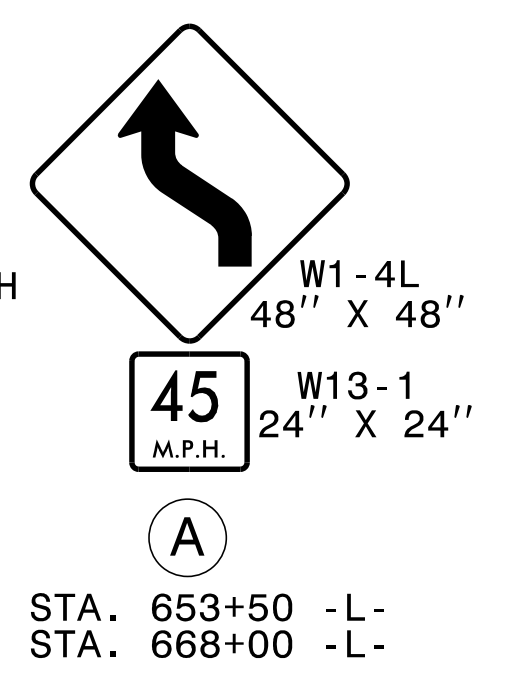
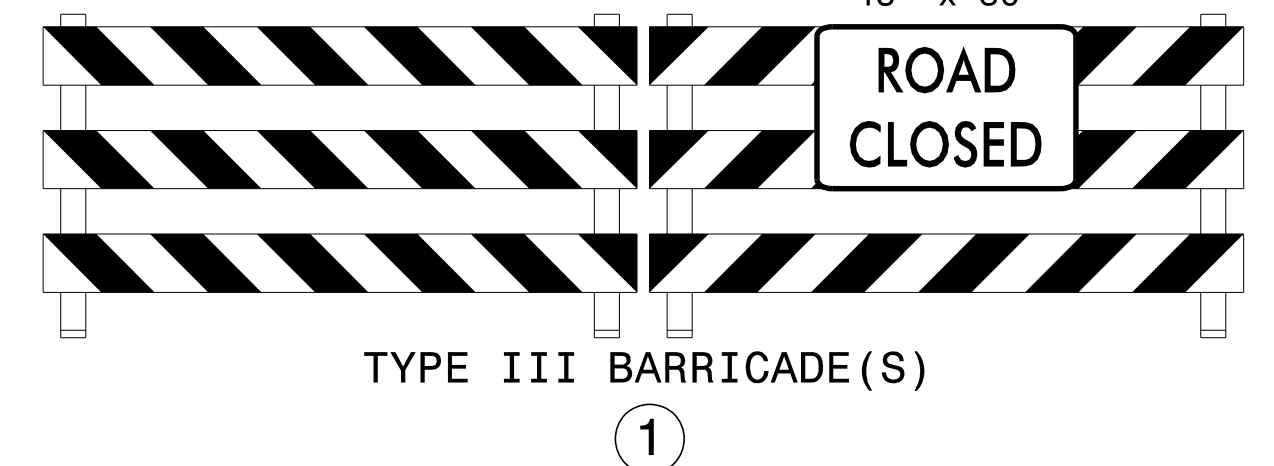
DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
ZONE TRAFFIC CONTROL

PHASE II DETAILS



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



APPROVED: *J. W. Woolard* DATE: 11/7/2014

SEAL

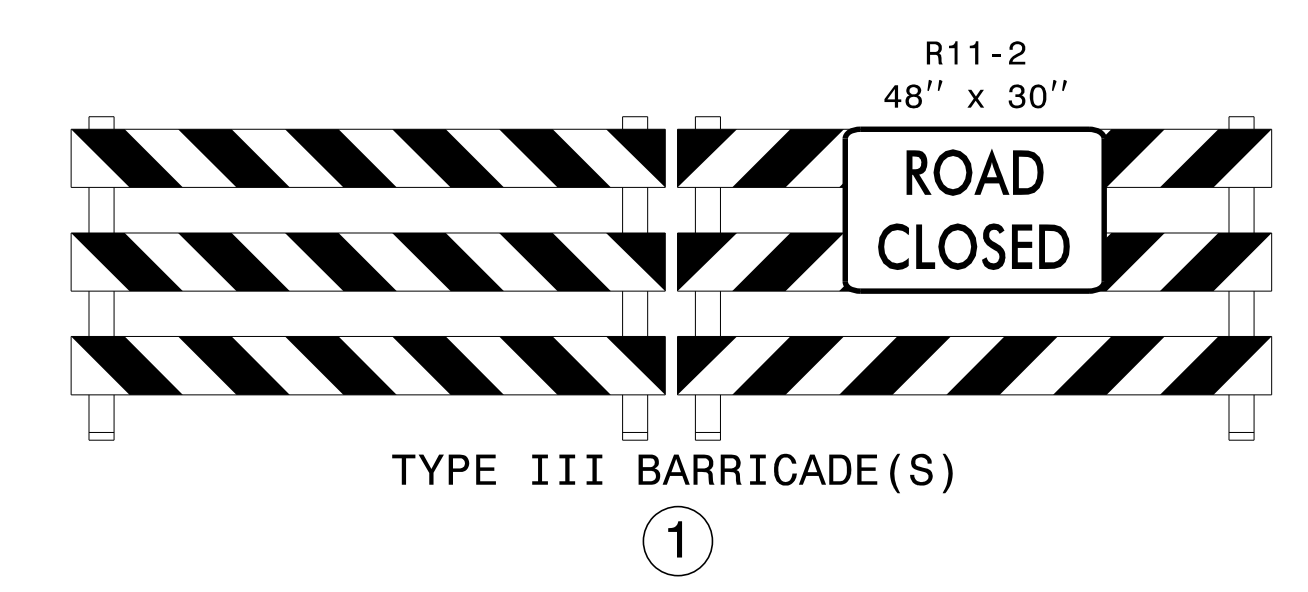
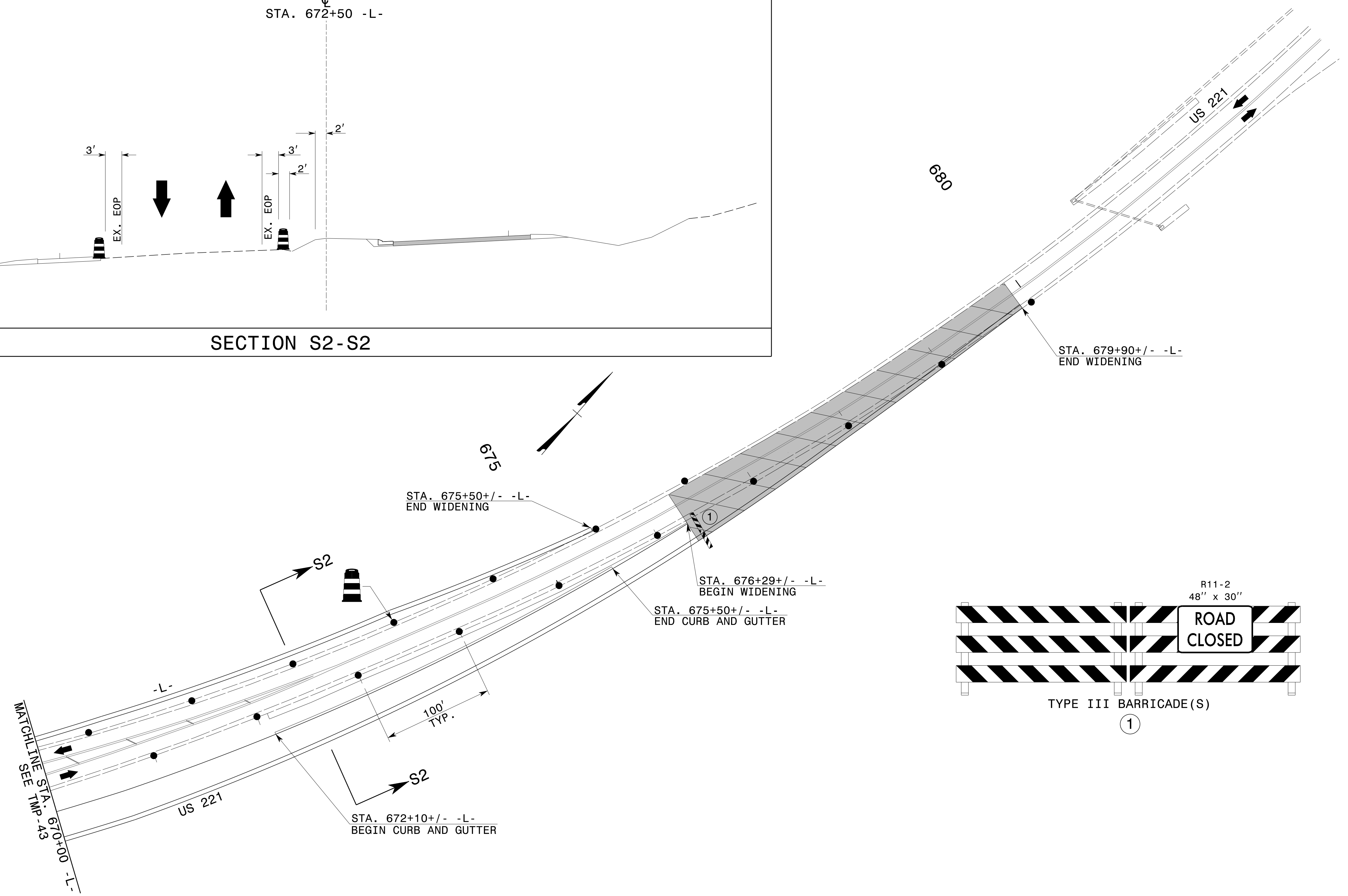
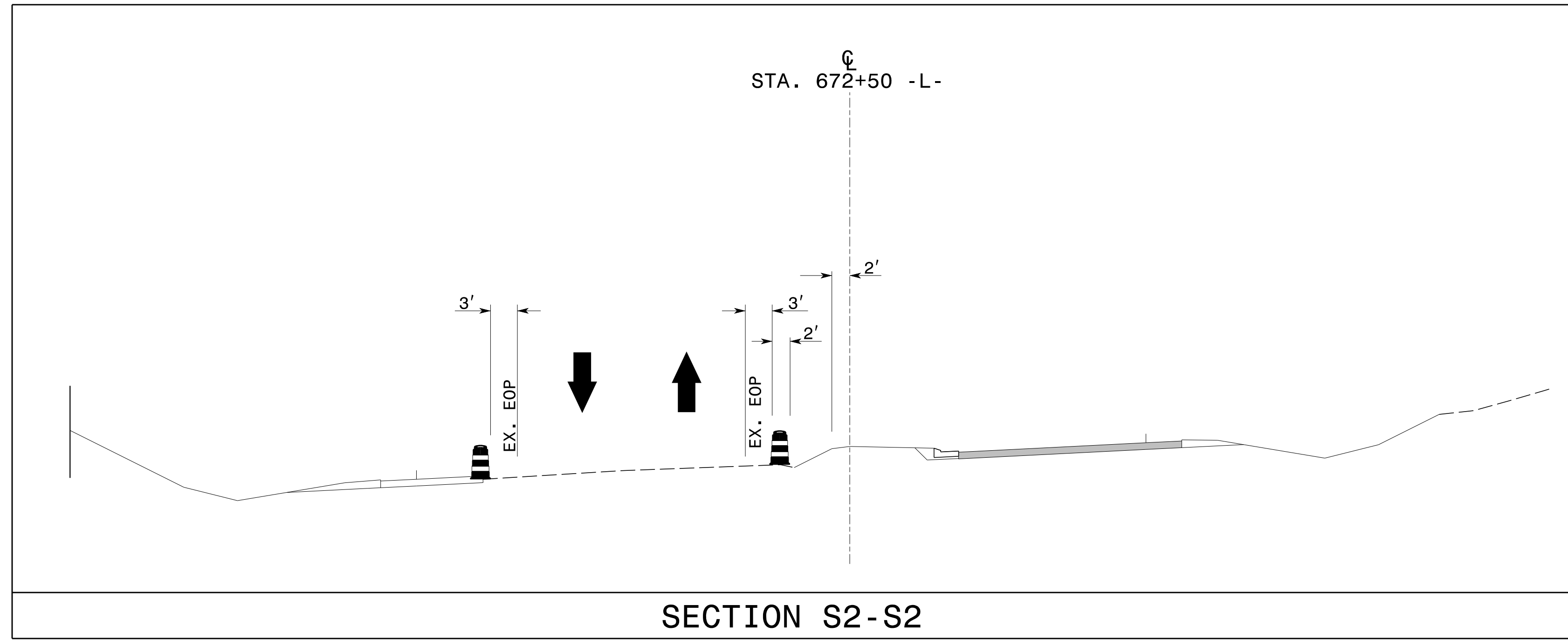
PROFESSIONAL ENGINEER  
J. W. WOOLARD  
19862

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
WORK ZONE TRAFFIC CONTROL

PHASE II DETAILS

11/7/2014 p:\t\p\projects\r-2915d\trafficcontrol\cp\R2915D\_TC\_Ph2\_TMP43.dgn User:scodts

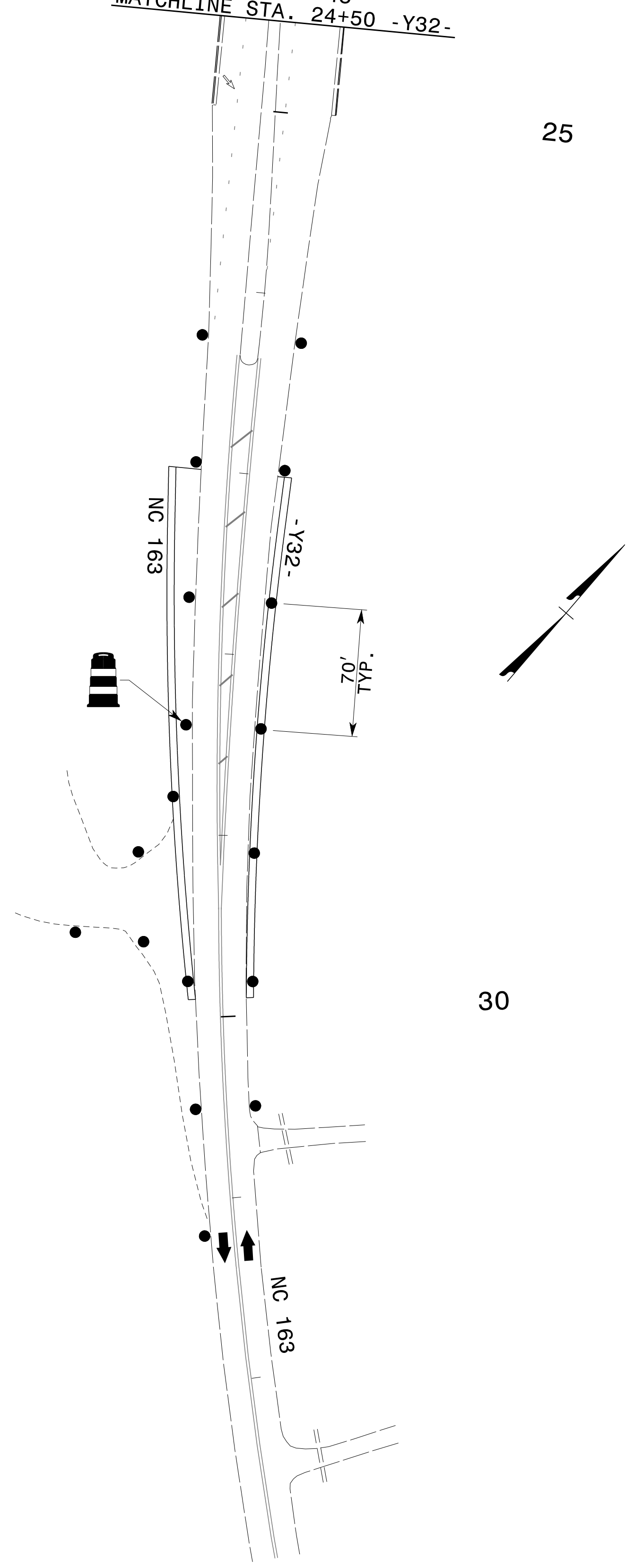




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APPROVED: <i>J. W. Woolard, Jr.</i> DATE: 11/7/2014 		<h2>PHASE II DETAILS</h2>
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SEE TMP-43  
MATCHLINE STA. 24+50 -Y32-



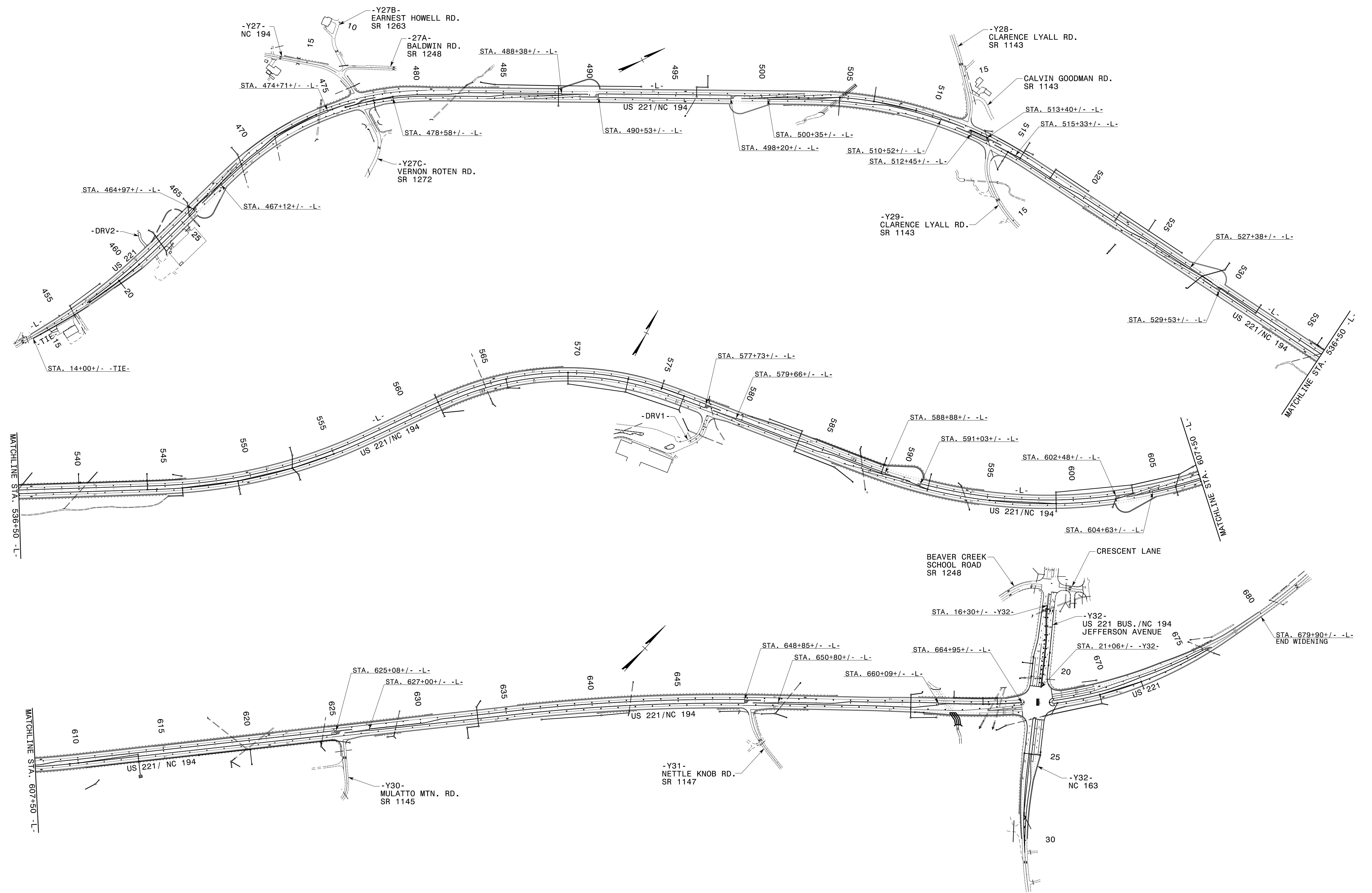
APPROVED: *J. W. Woolard* DATE: 10/30/2014

DocuSign by: *J. W. Woolard*

SEAL

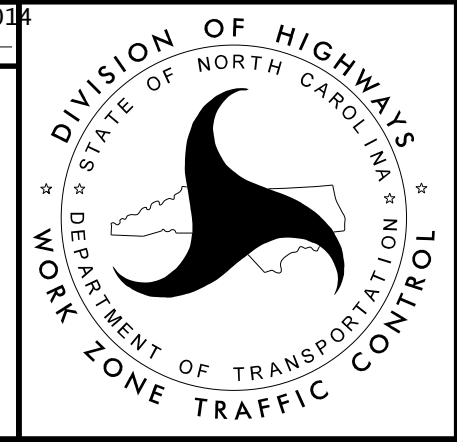
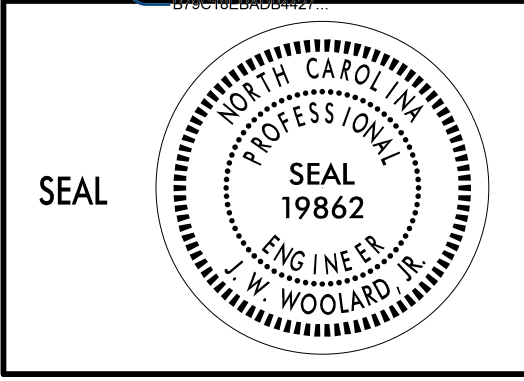


PHASE II DETAILS

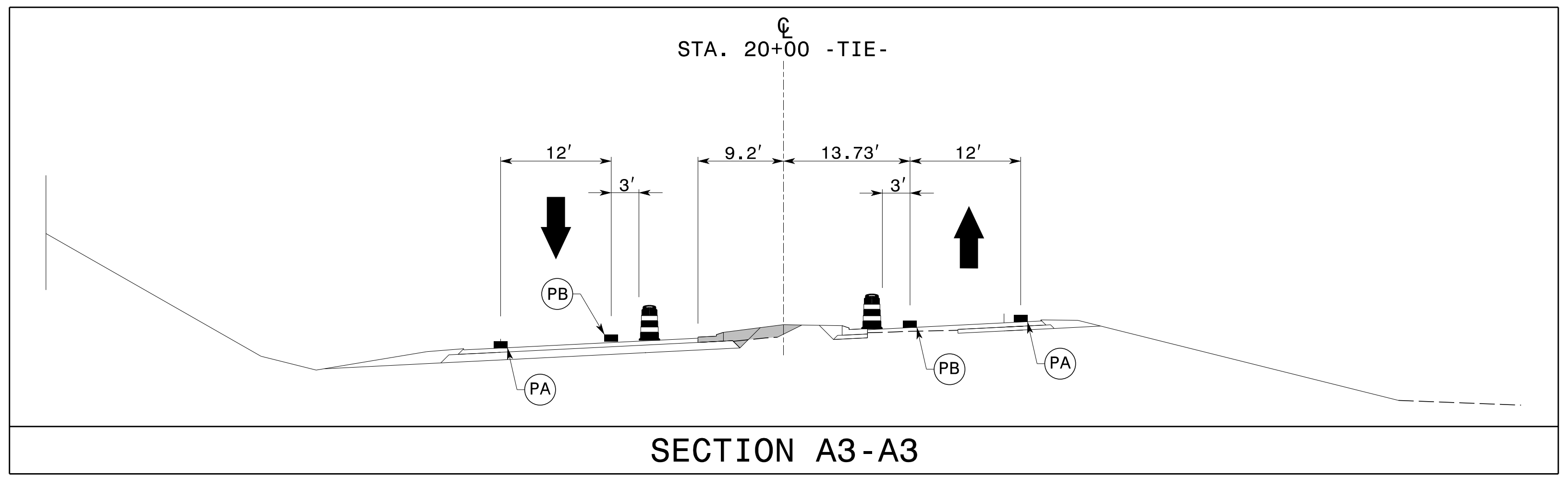
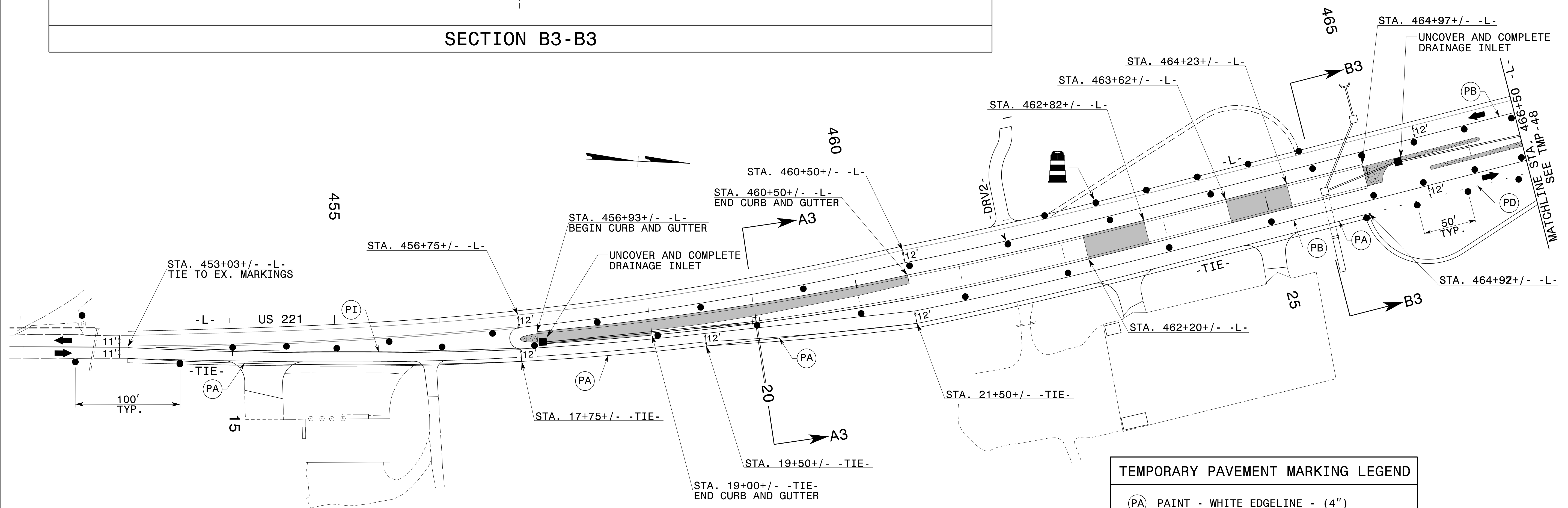
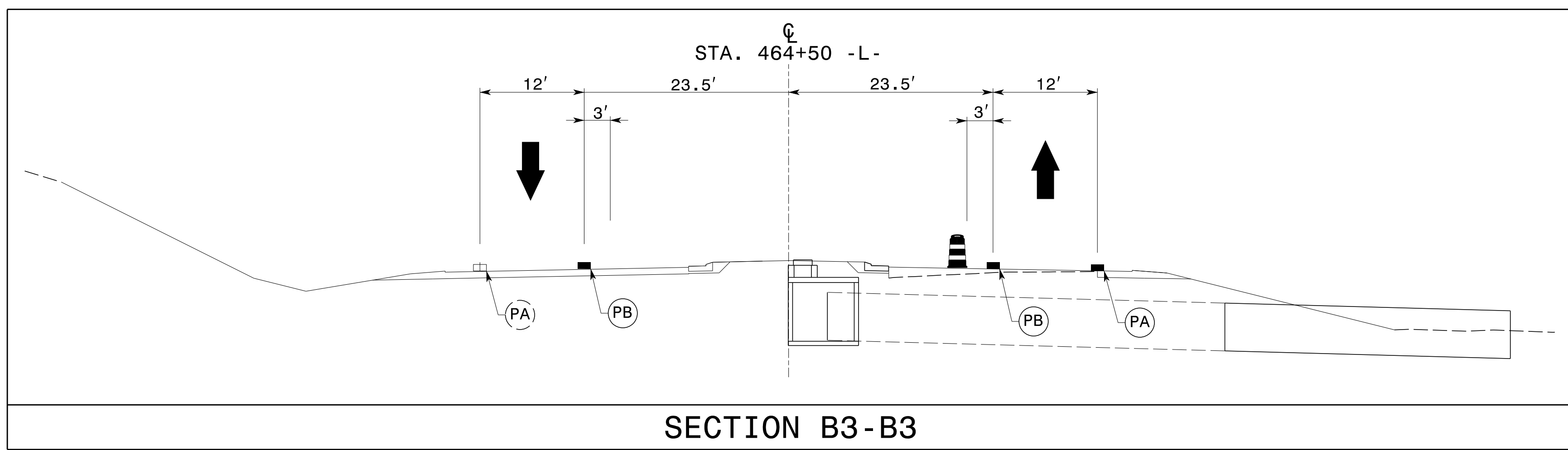


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APPROVED: *J. W. Woolard* DATE: 10/30/2014



PHASE III OVERVIEW



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

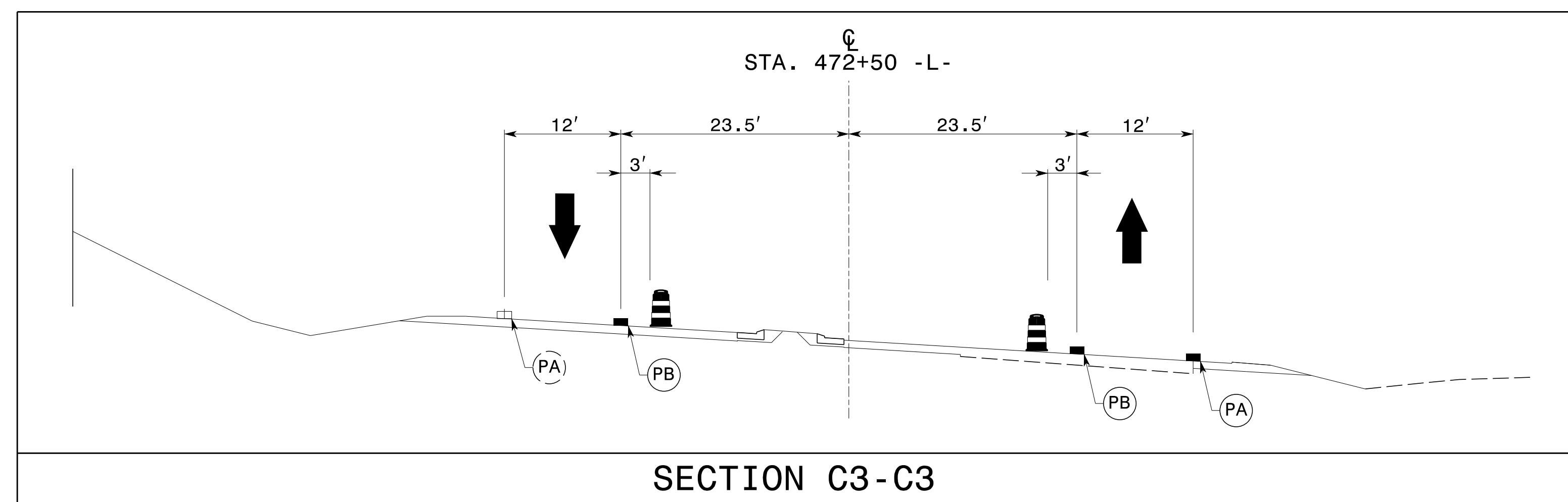
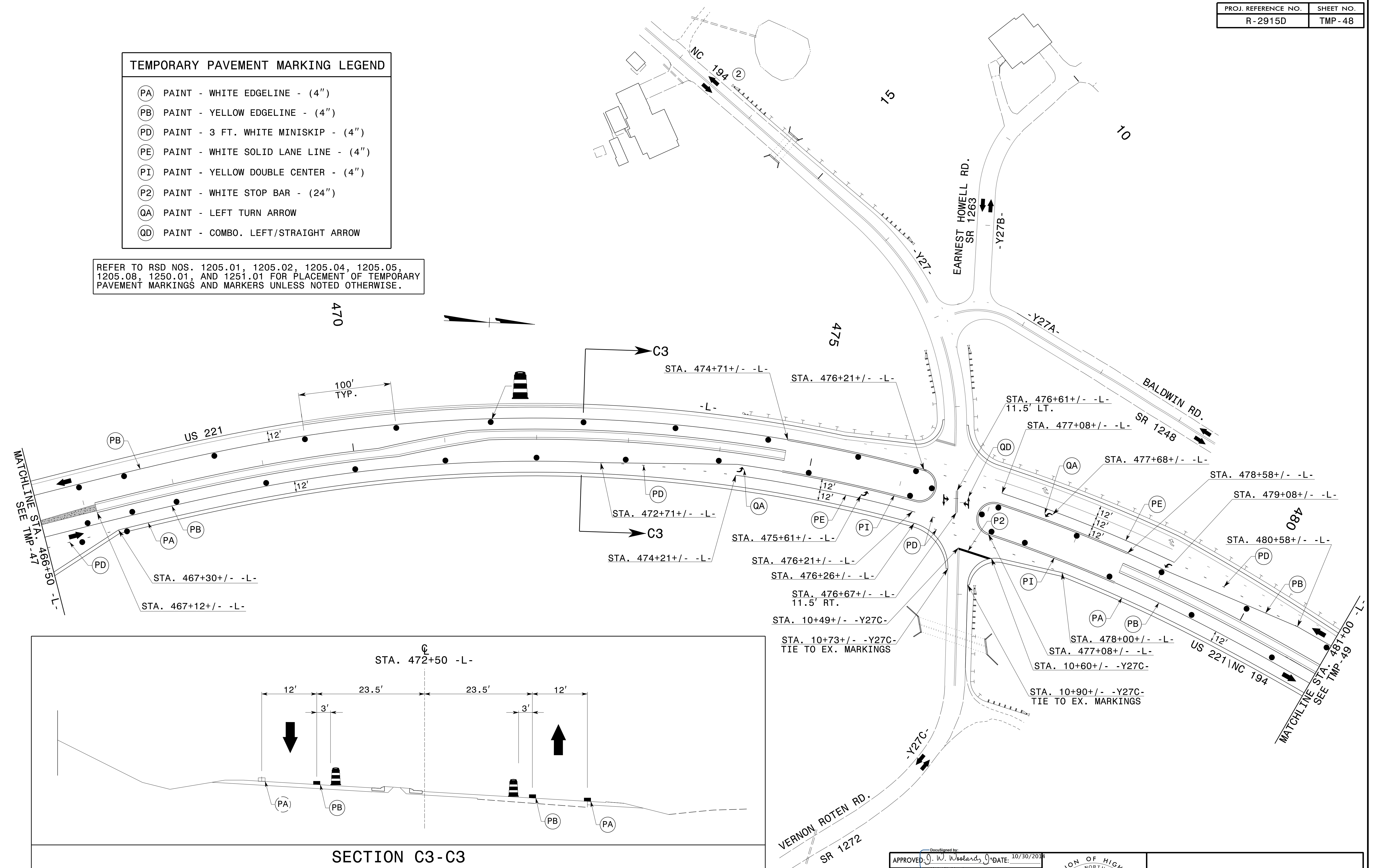


PHASE III DETAILS

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TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT TURN ARROW
(QD)	PAINT - COMBO. LEFT/STRAIGHT ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.08, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

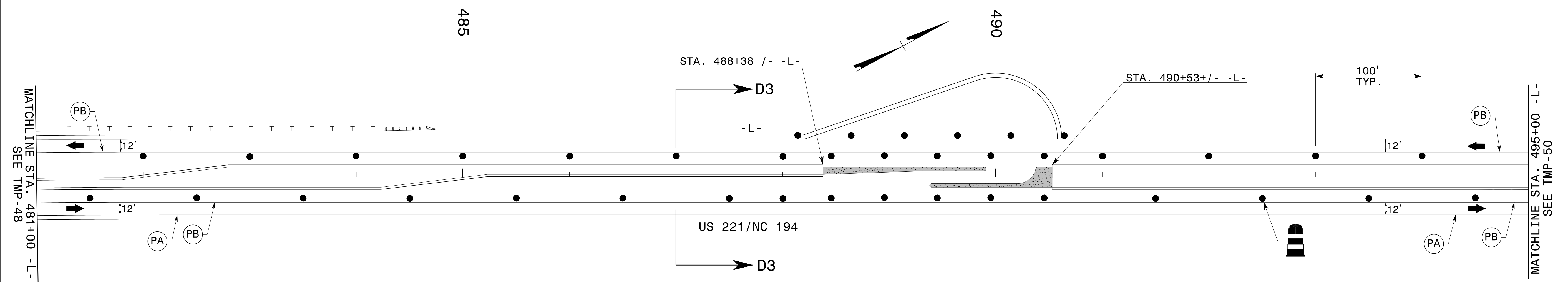
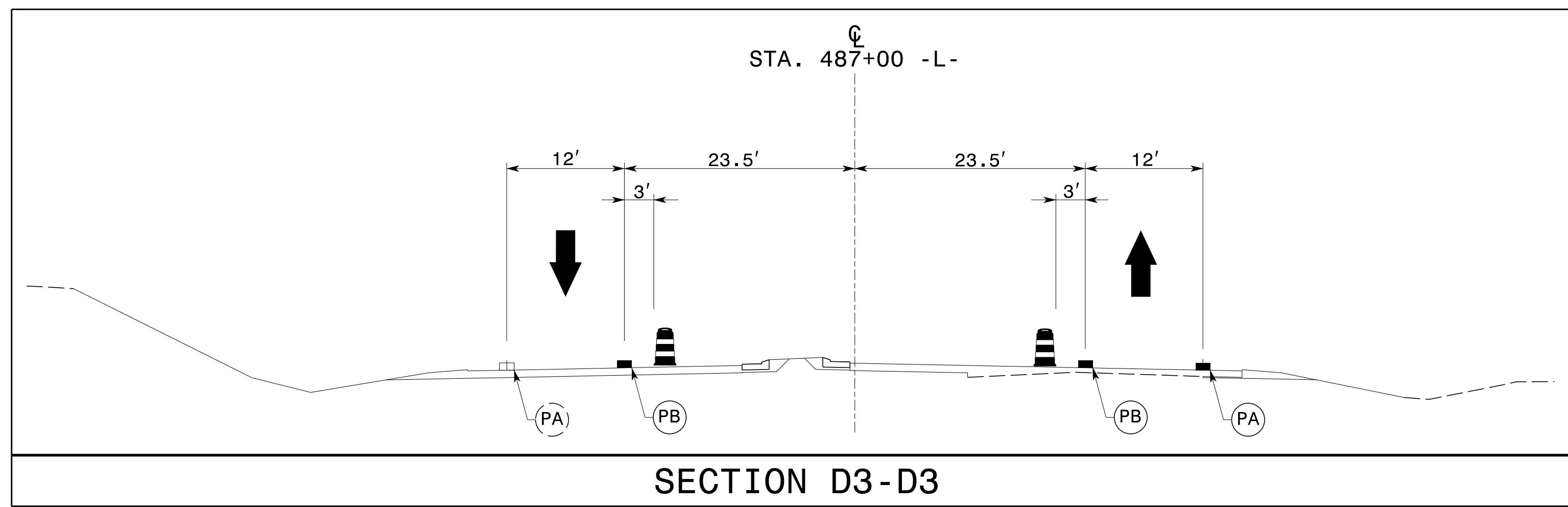


APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

**PHASE III DETAILS**

10/24/2014 p:\tipb\projects-r\2915d\trafficcontrol\cp\R2915D\_TC\_PH3\_TMP48.dgn User:scodts



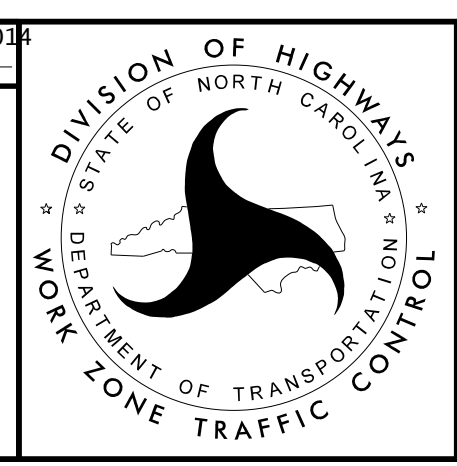
TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

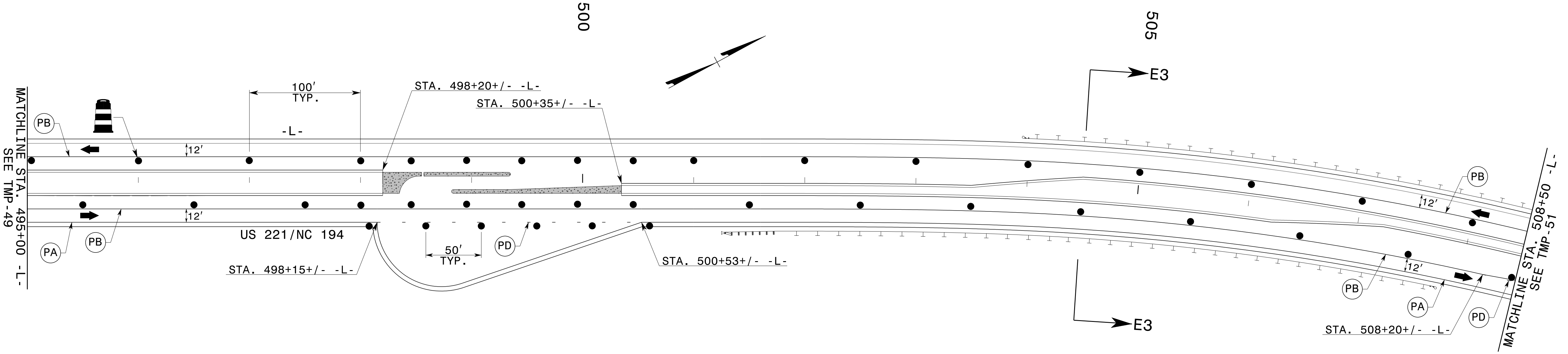
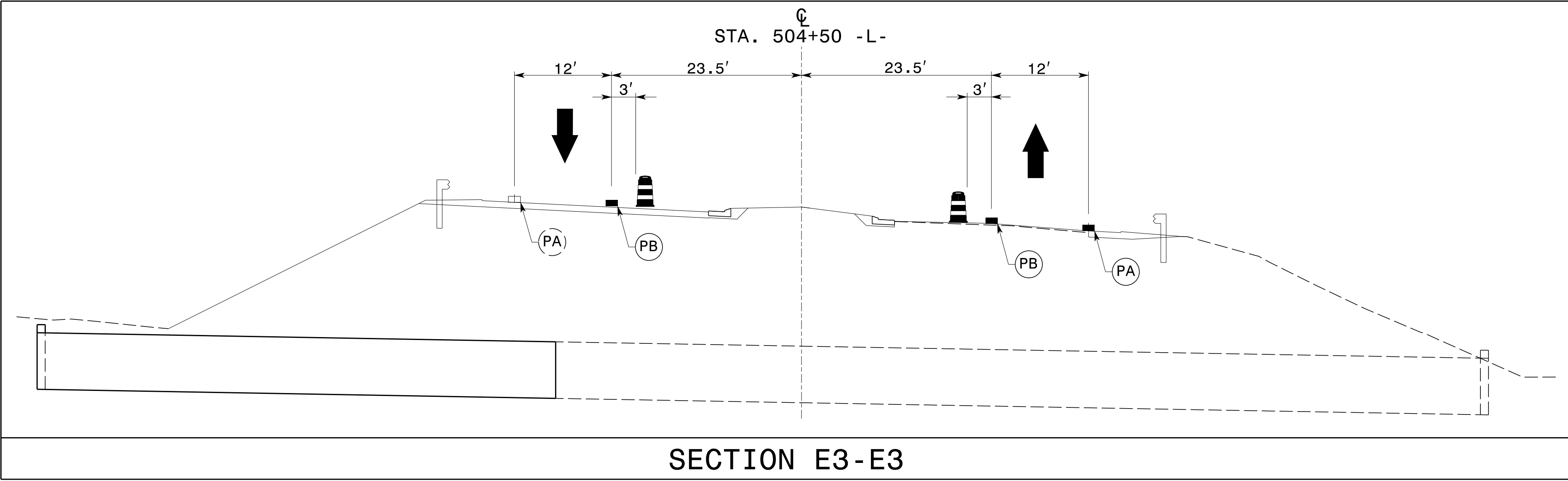
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 User:tscoats

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL



PHASE III DETAILS



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - WHITE 3 FT. MINISKIP - (4")

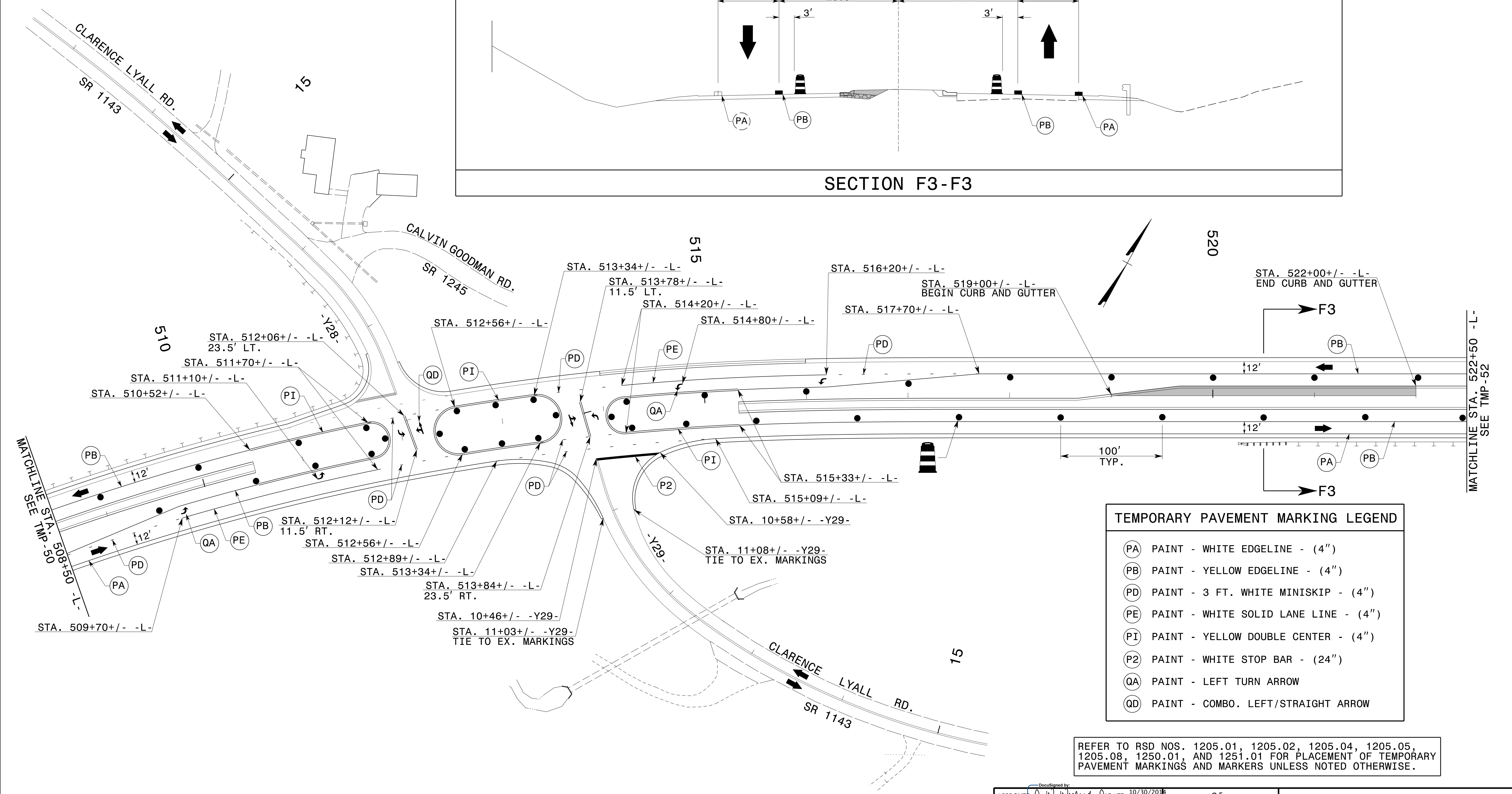
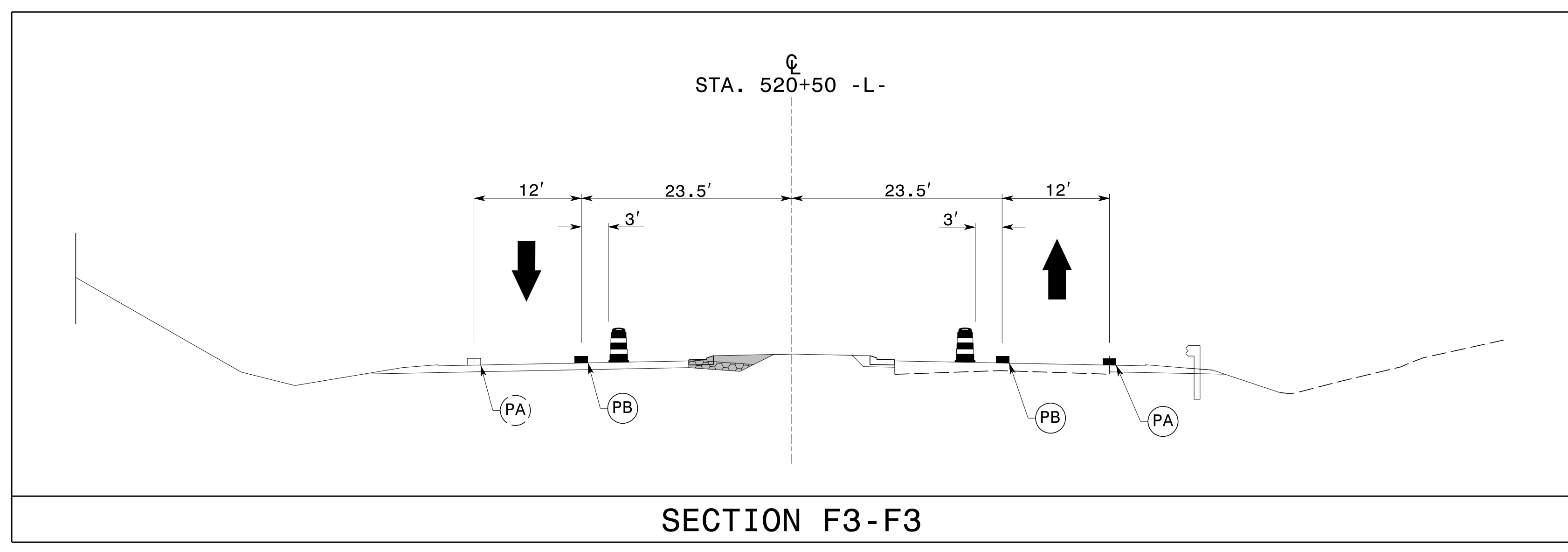
REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

10/24/2014  
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

PHASE III DETAILS

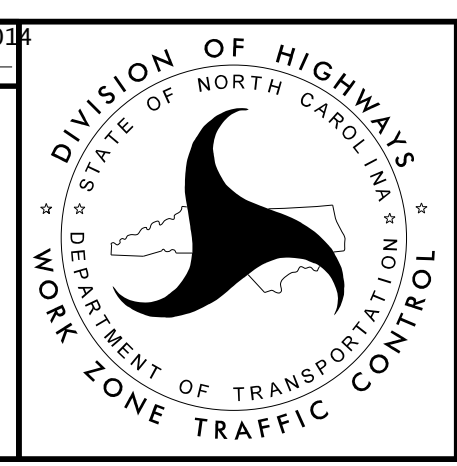


TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT TURN ARROW
(QD)	PAINT - COMBO. LEFT/STRAIGHT ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.08, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

APPROVED: *J. W. Woolard* DATE: 10/30/2014

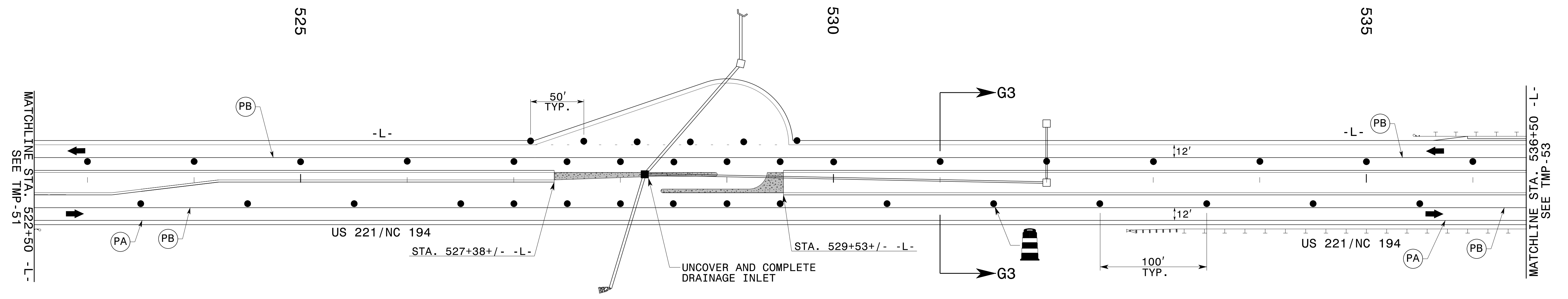
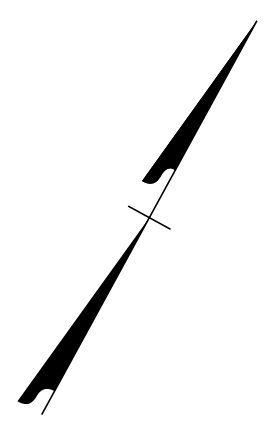
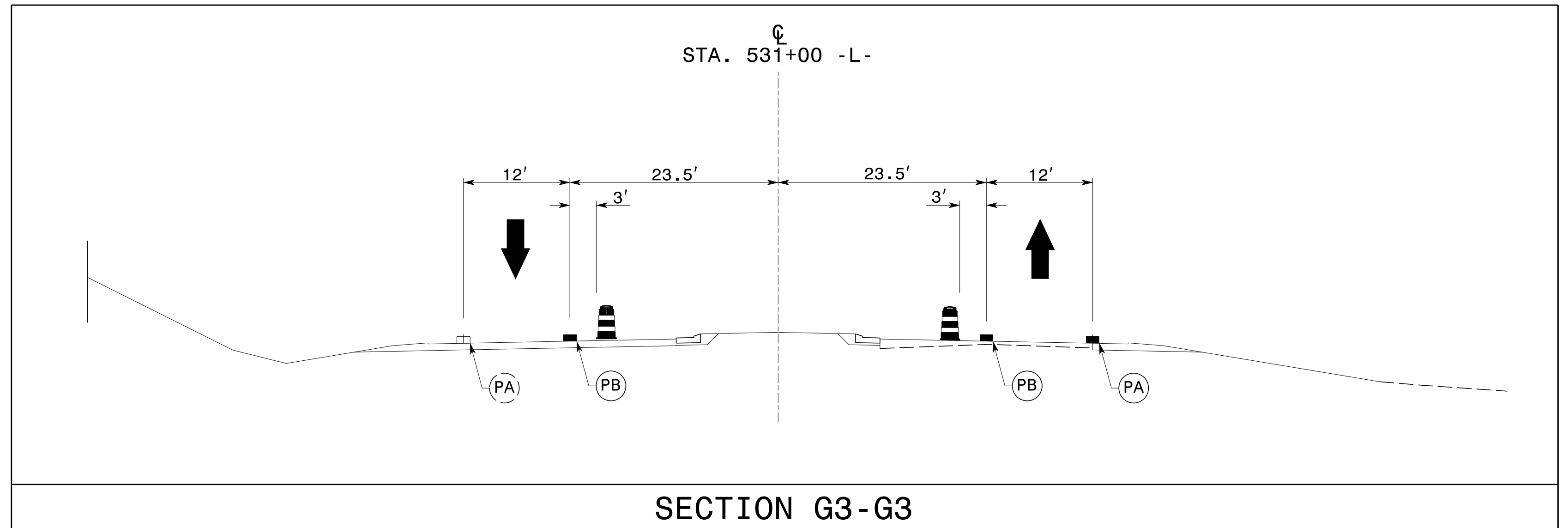
SEAL



**PHASE III DETAILS**

10/24/2014 p:\t\p\projects-r\2915d\trafficcontrol\cp\R2915D\_TC\_Ph3\_TMP51.dgn User:scodts





TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

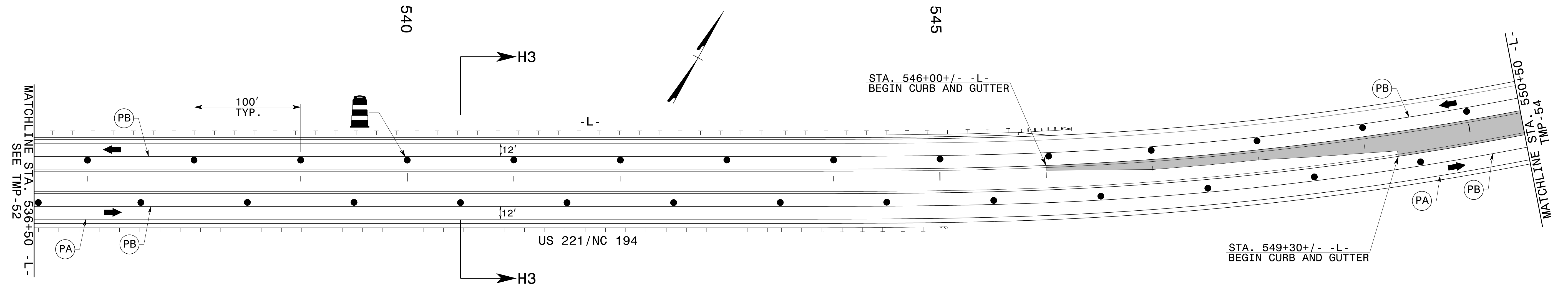
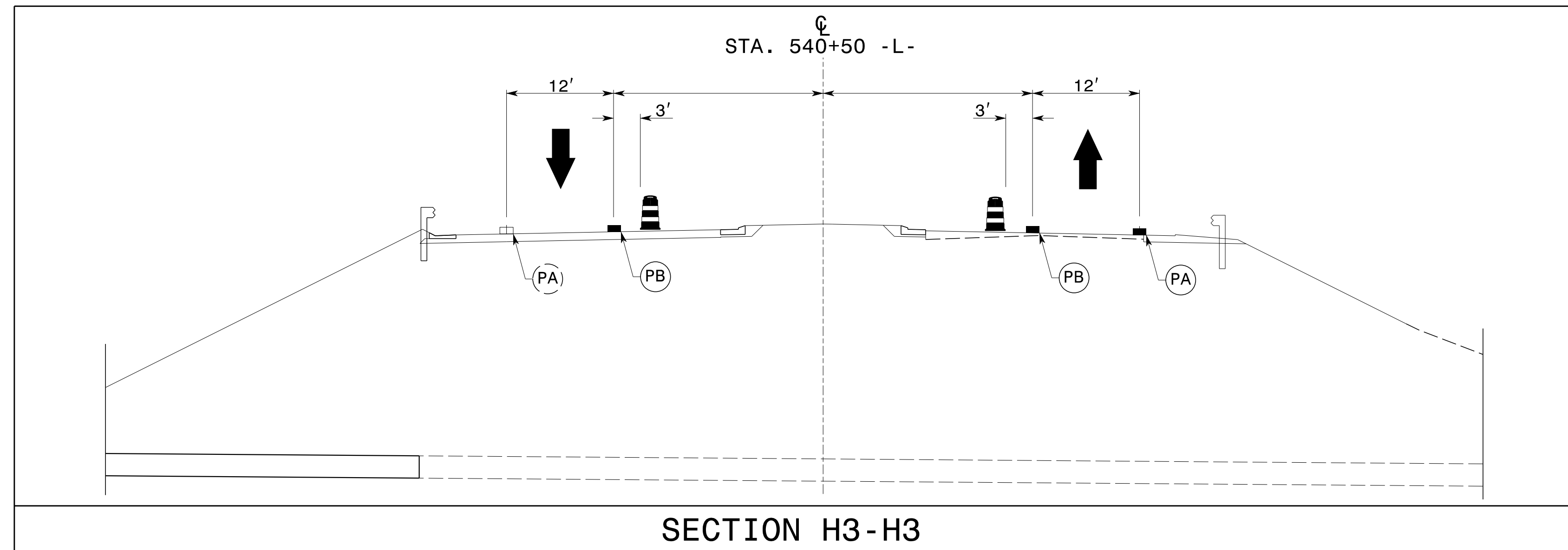
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL



PHASE III DETAILS



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")

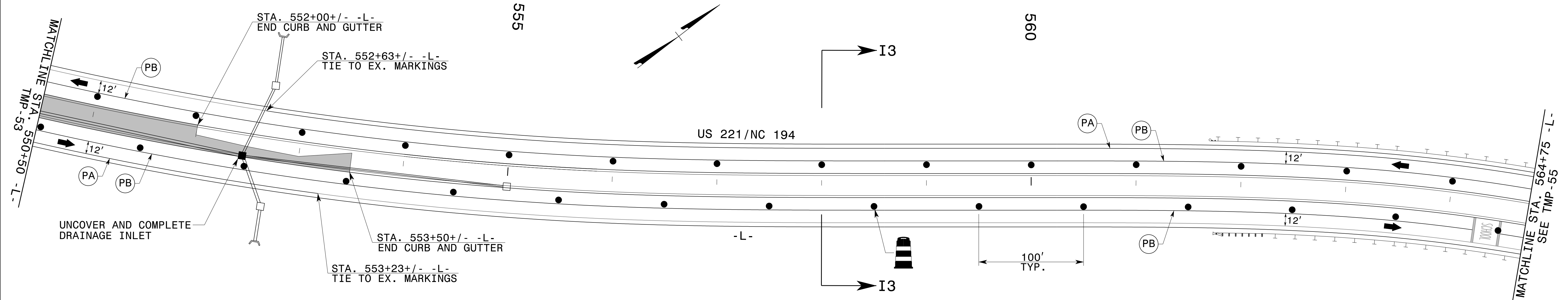
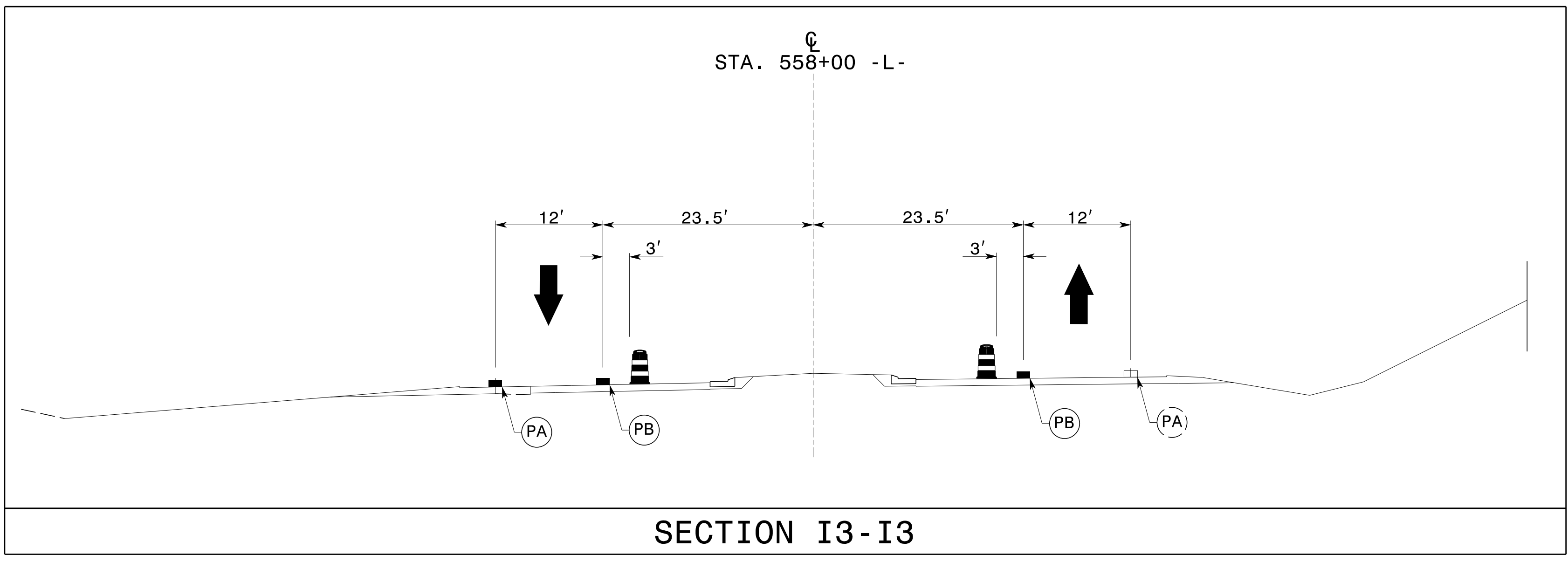
REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

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APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

PHASE III DETAILS



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")

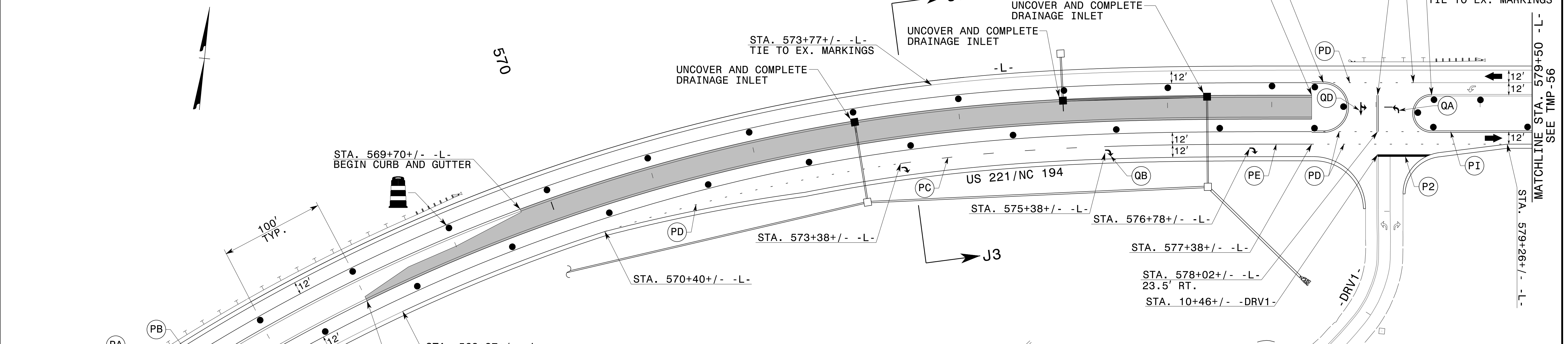
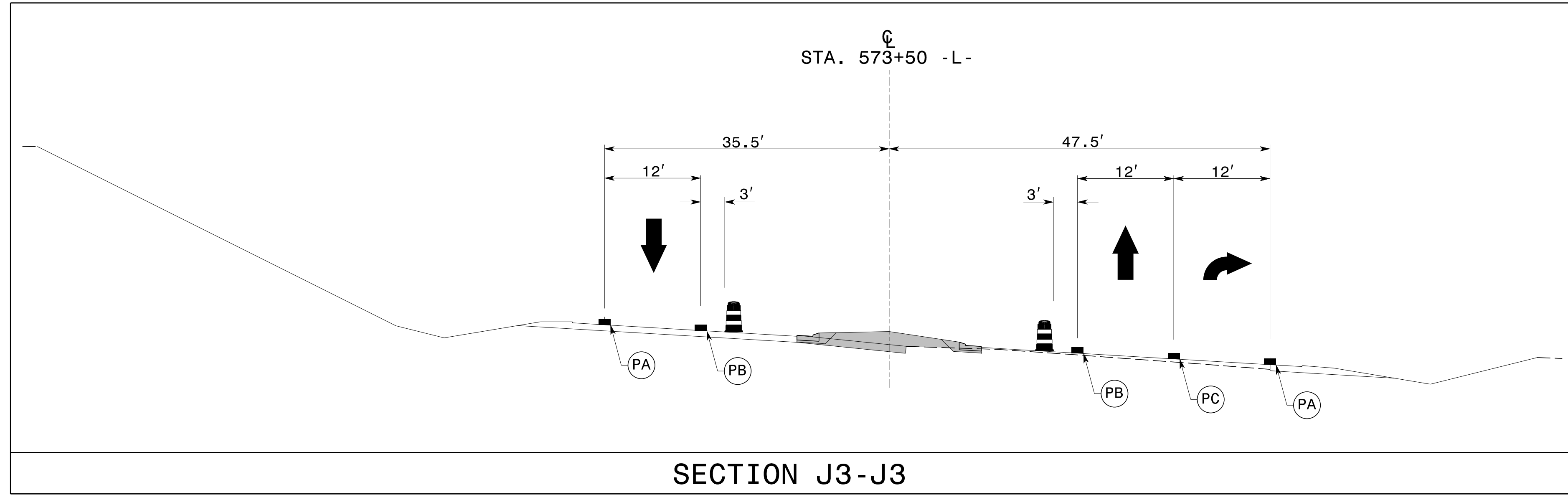
REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

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APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

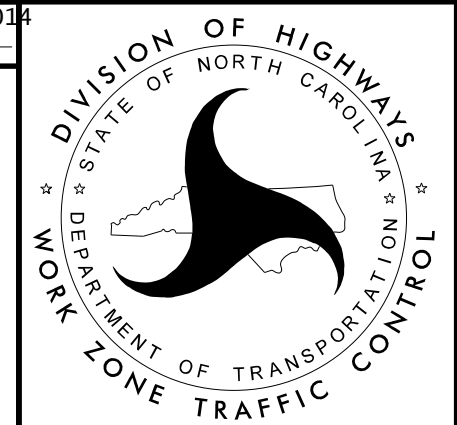
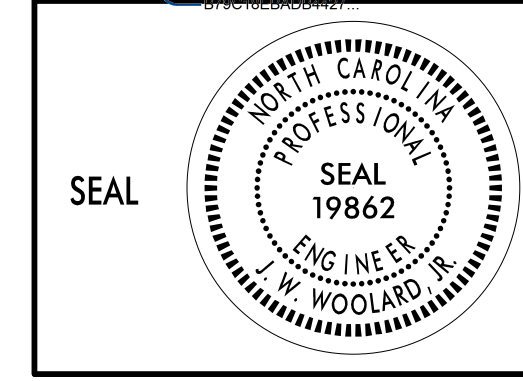
PHASE III DETAILS



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PC)	PAINT - 10 FT. WHITE SKIP - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT TURN ARROW
(QB)	PAINT - RIGHT TURN ARROW
(QD)	PAINT - COMBO. LEFT/STRAIGHT ARROW

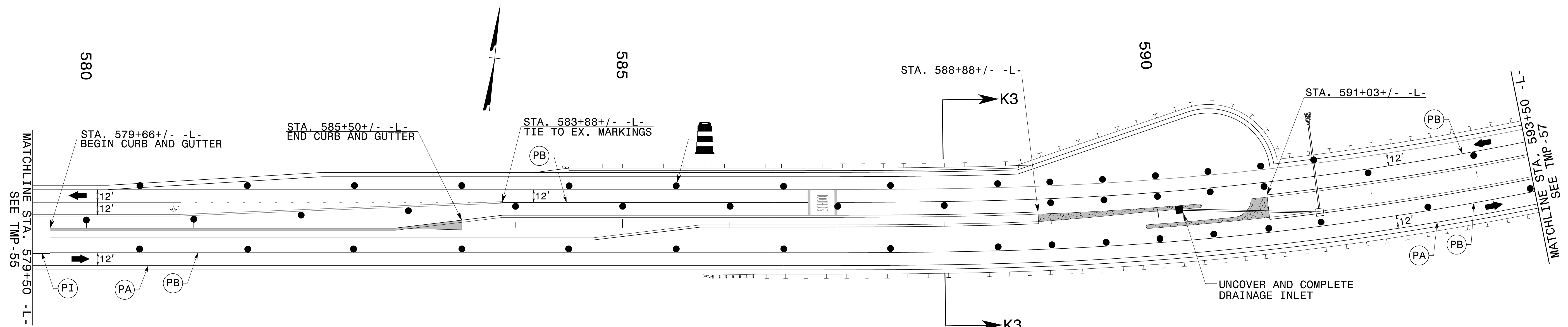
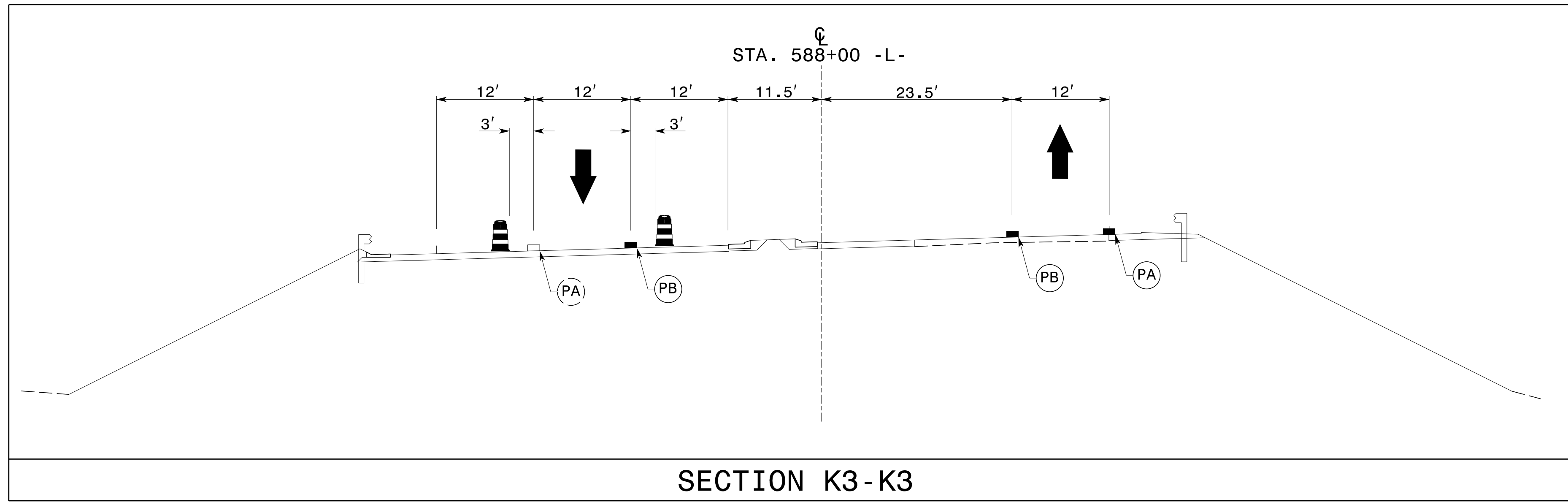
REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.08, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

APPROVED: *J. W. Woolard* DATE: 10/30/2014



**PHASE III DETAILS**

10/24/2014 p:\tiprojects-r\2915d\trafficcontrol\cp\R2915D\_TC\_Ph3\_TMP55.dgn User:scodts



**TEMPORARY PAVEMENT MARKING LEGEND**

- (PA) PAINT - WHITE EDGELINE - (4")
- (PB) PAINT - YELLOW EDGELINE - (4")
- (PI) PAINT - YELLOW DOUBLE CENTER - (4")

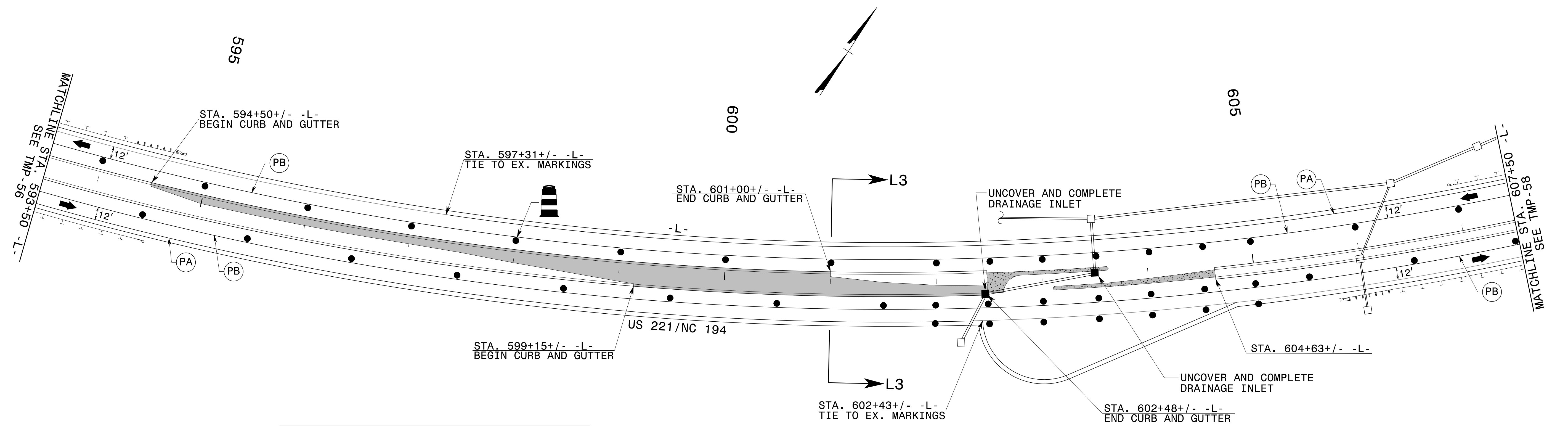
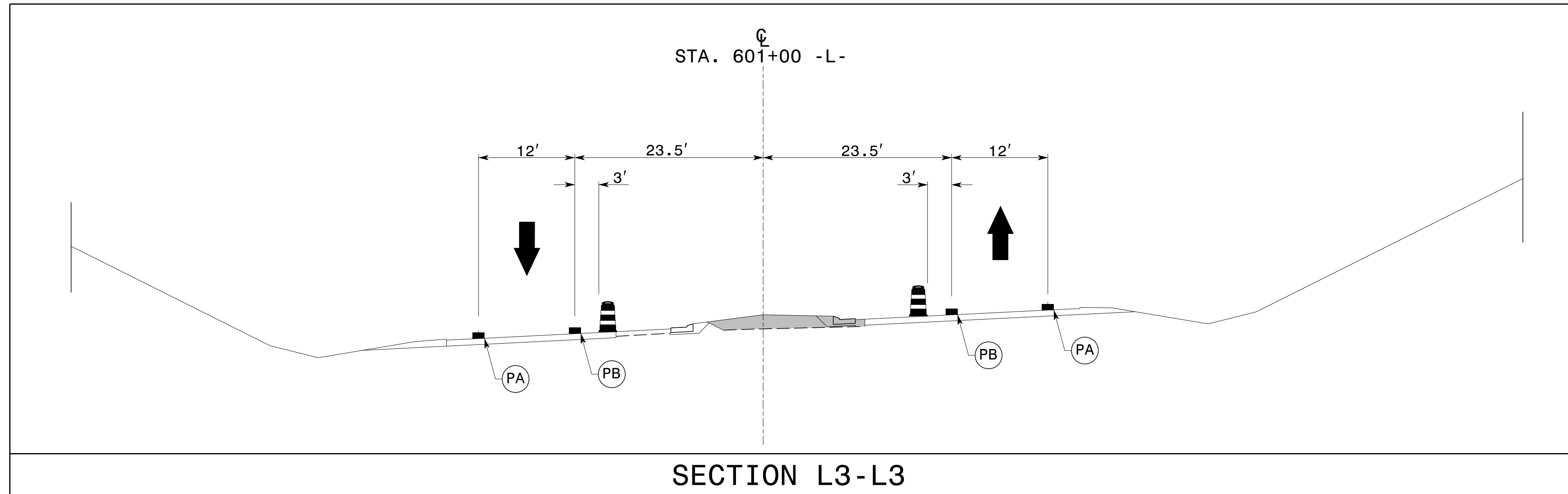
REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

10/24/2014  
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 User:tscoats

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

**PHASE III DETAILS**



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

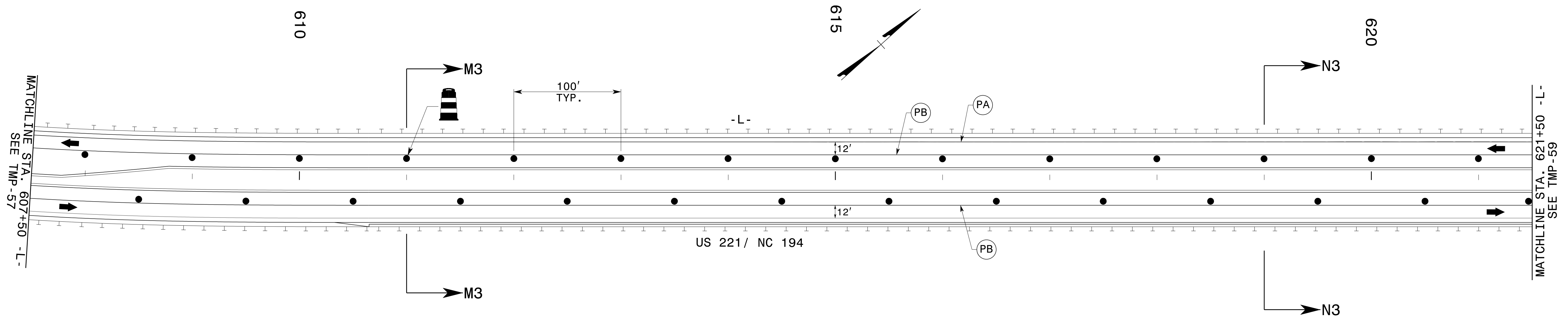
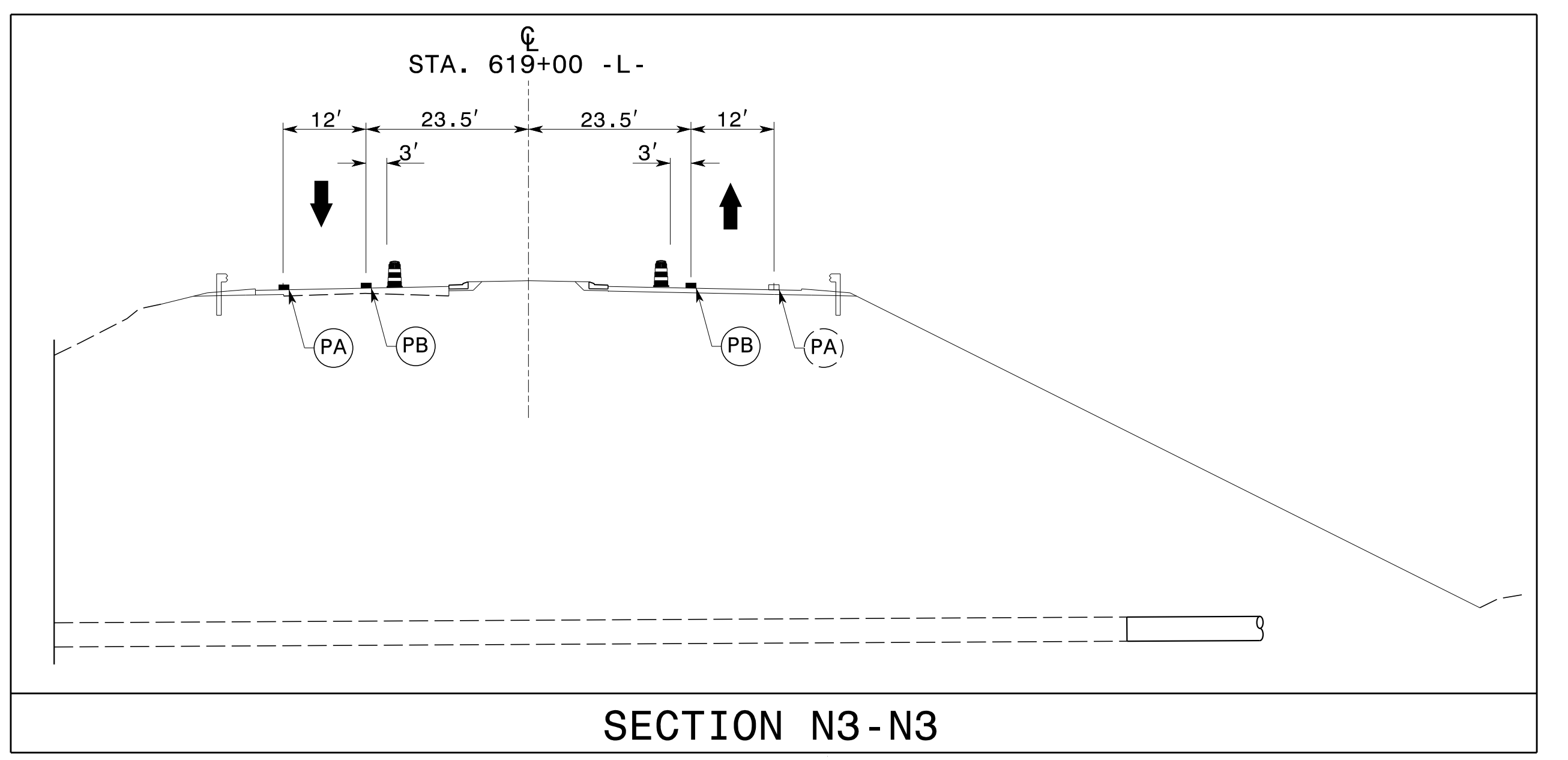
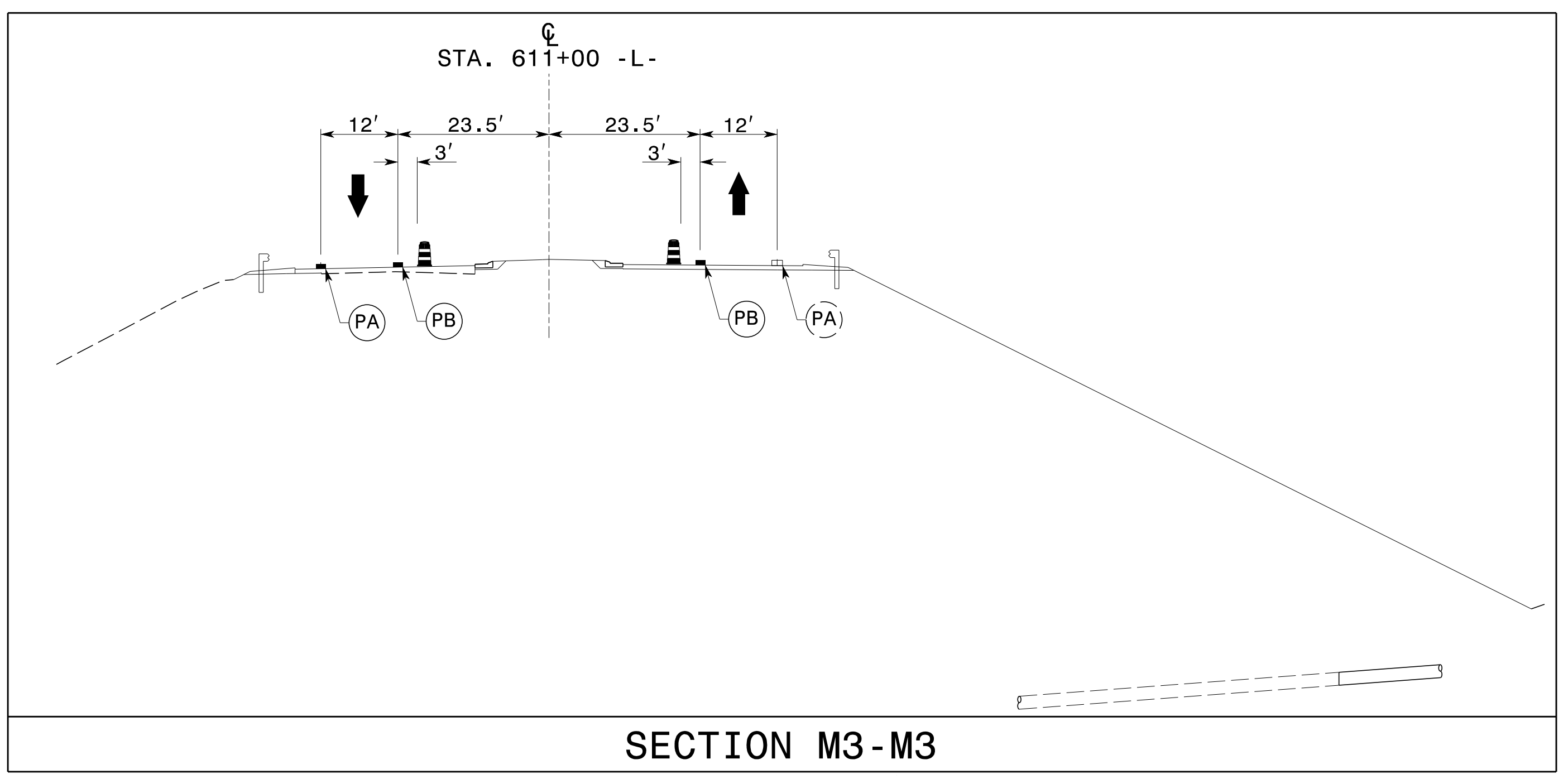
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

DocuSign by: *J. W. Woolard*

SEAL

PHASE III DETAILS



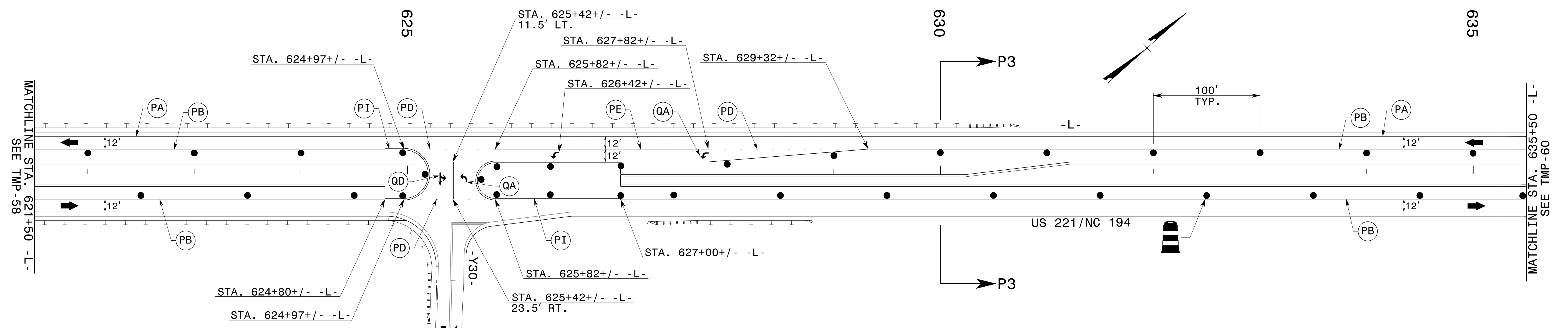
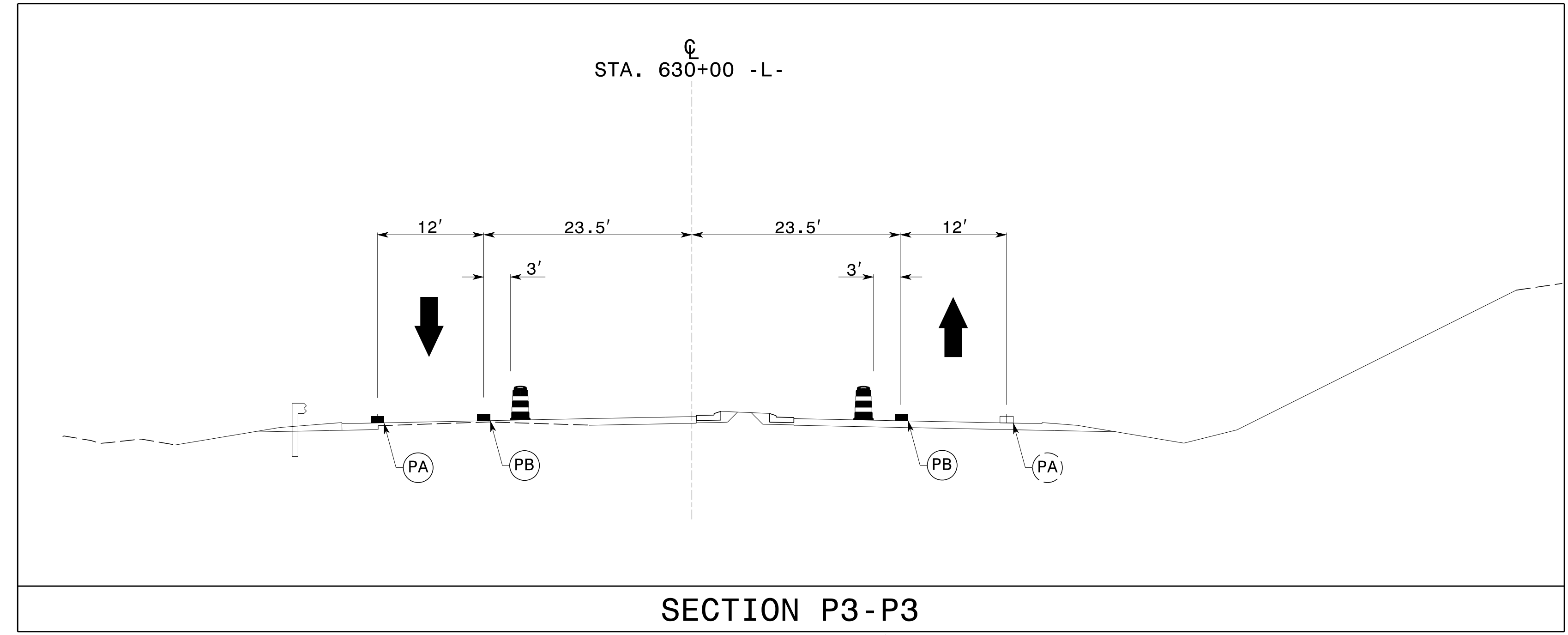
TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

PHASE III DETAILS

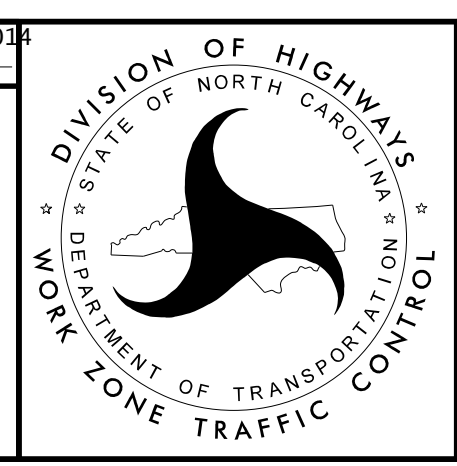


TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(QA)	PAINT - LEFT TURN ARROW
(QD)	PAINT - COMBO. LEFT/STRAIGHT ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.08, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL



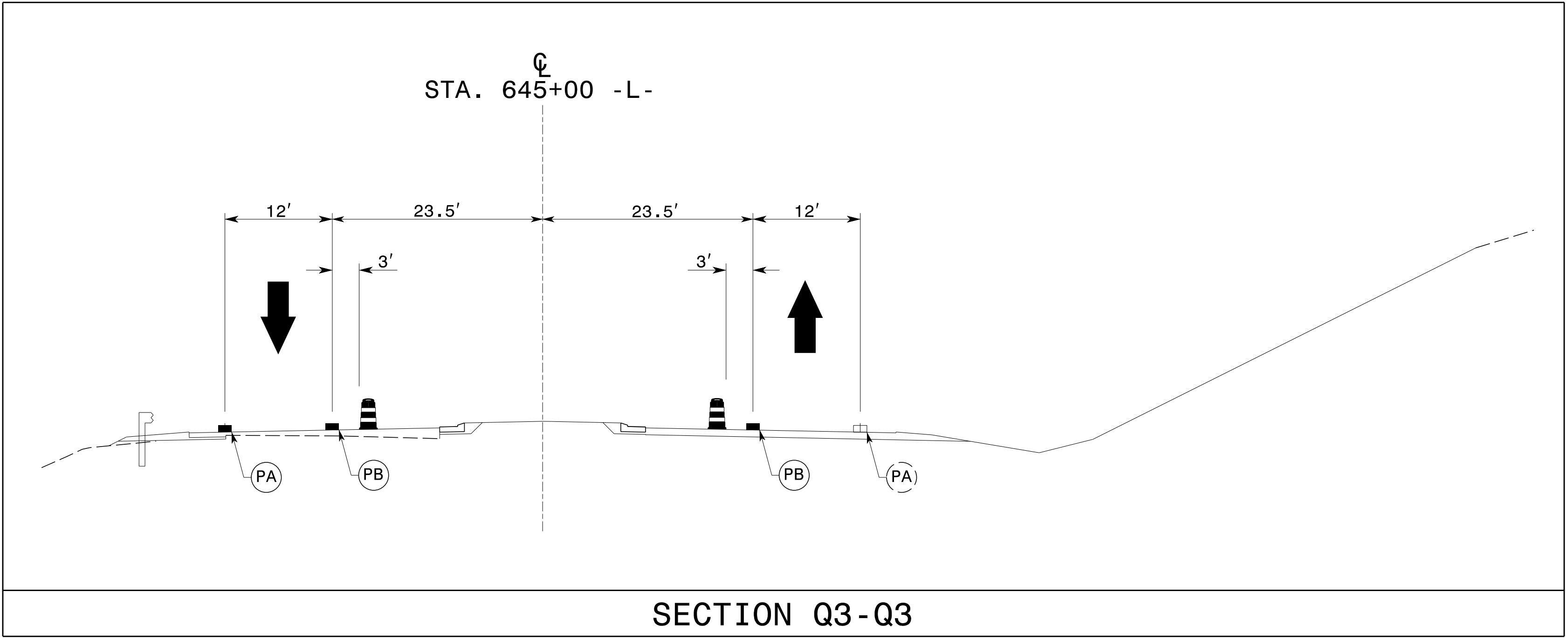
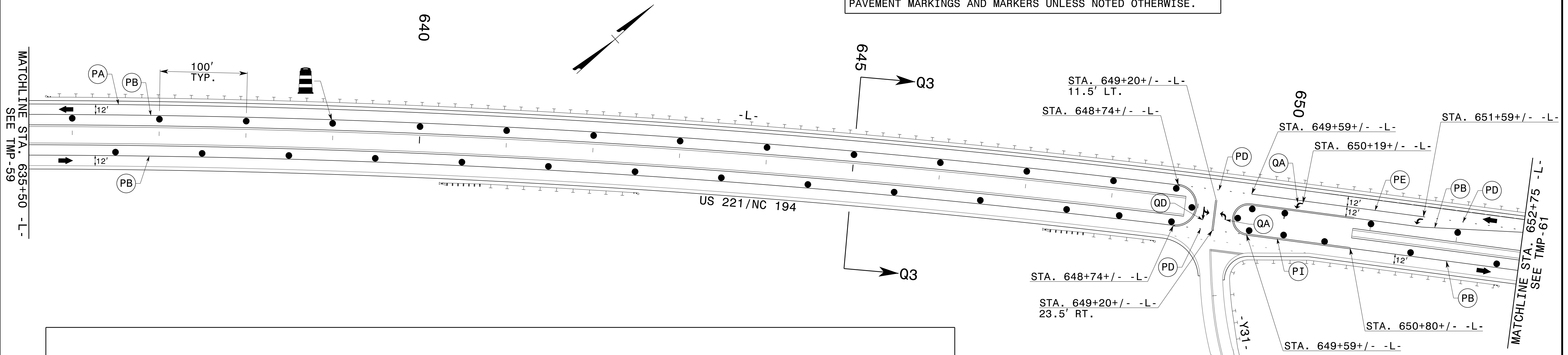
PHASE III DETAILS

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TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(QA)	PAINT - LEFT TURN ARROW
(QD)	PAINT - COMBO. LEFT/STRAIGHT ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.08, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



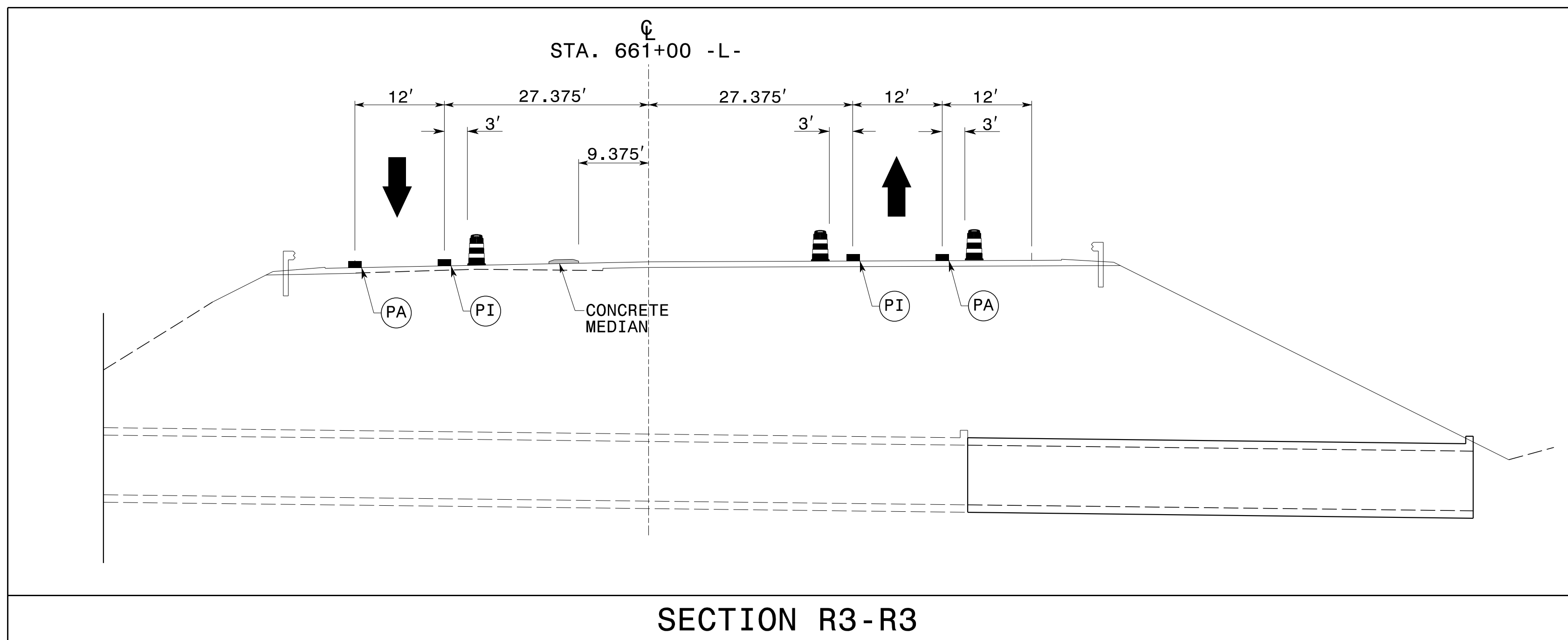
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

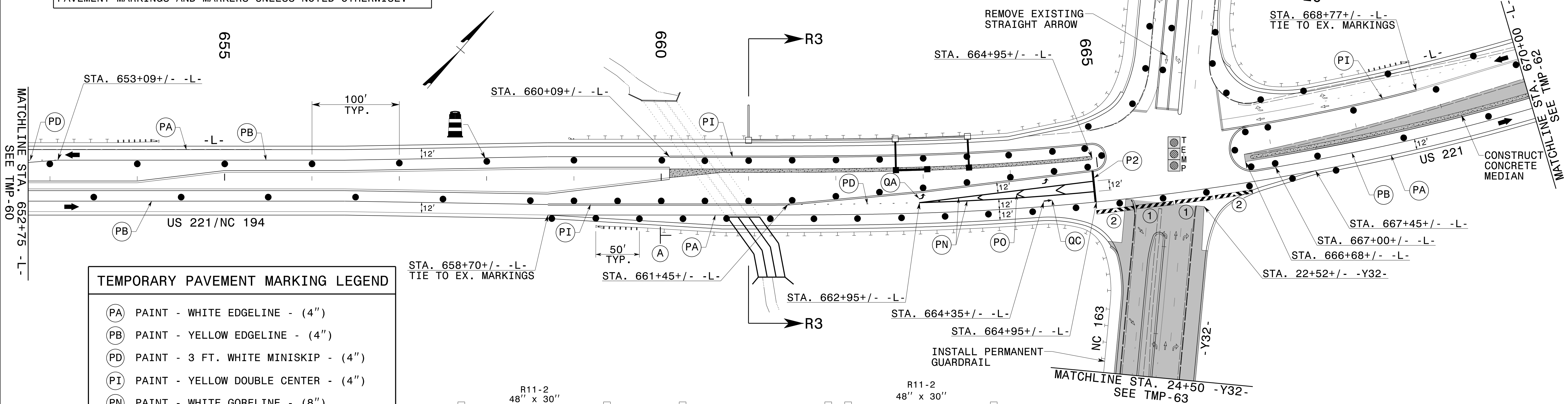
SEAL



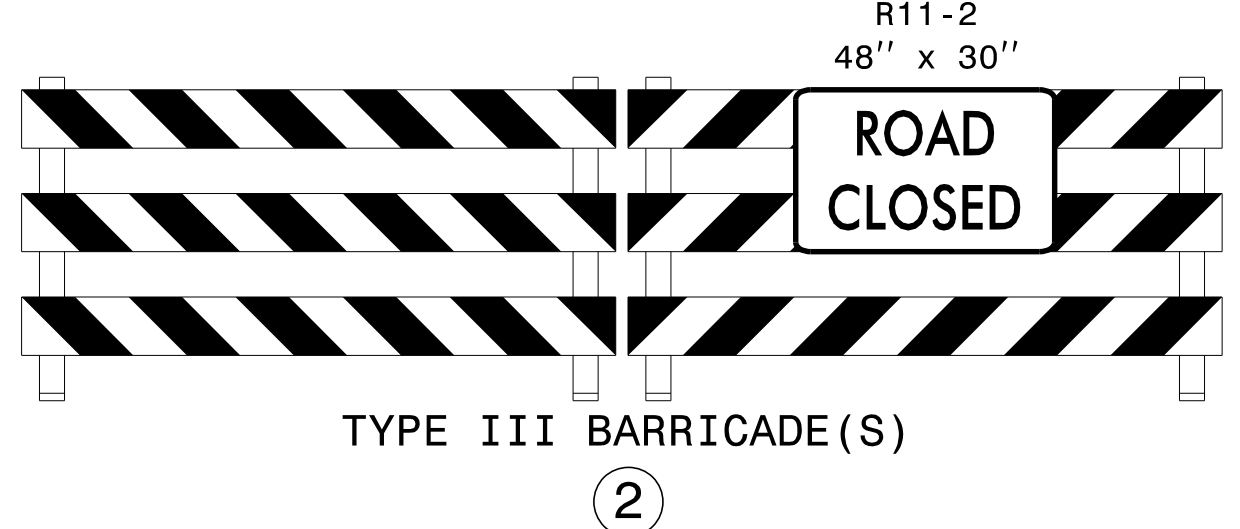
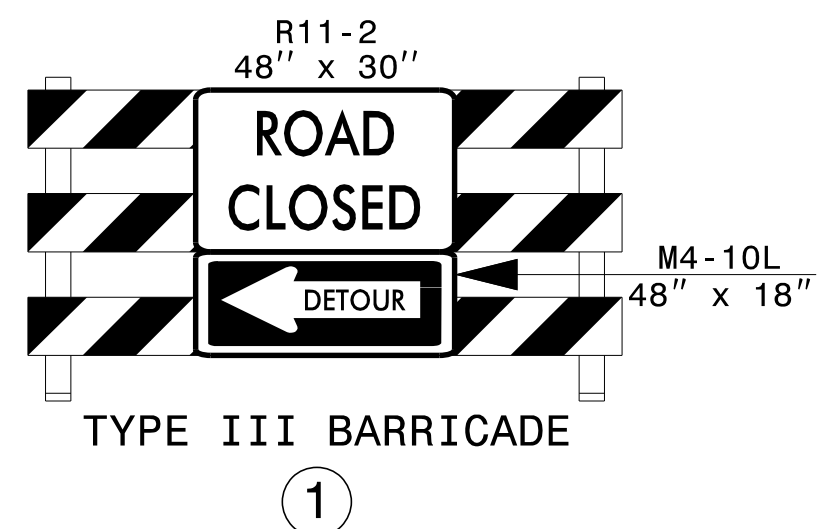
PHASE III DETAILS



REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(PN)	PAINT - WHITE GORELINE - (8")
(PO)	PAINT - WHITE DIAGONAL (CHEVRON) - (8")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT ARROW
(QB)	PAINT - RIGHT ARROW
(QC)	PAINT - STRAIGHT ARROW

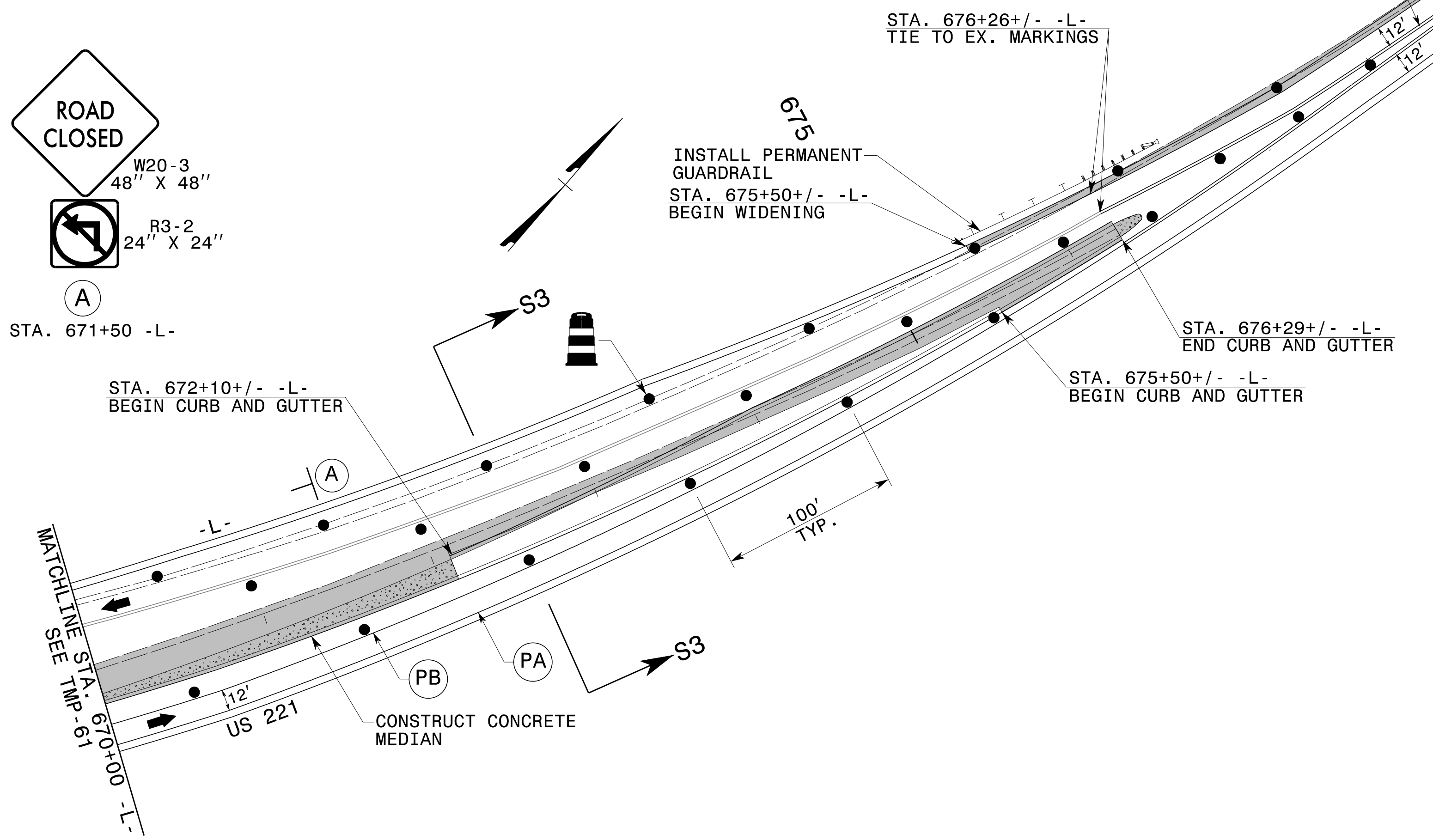
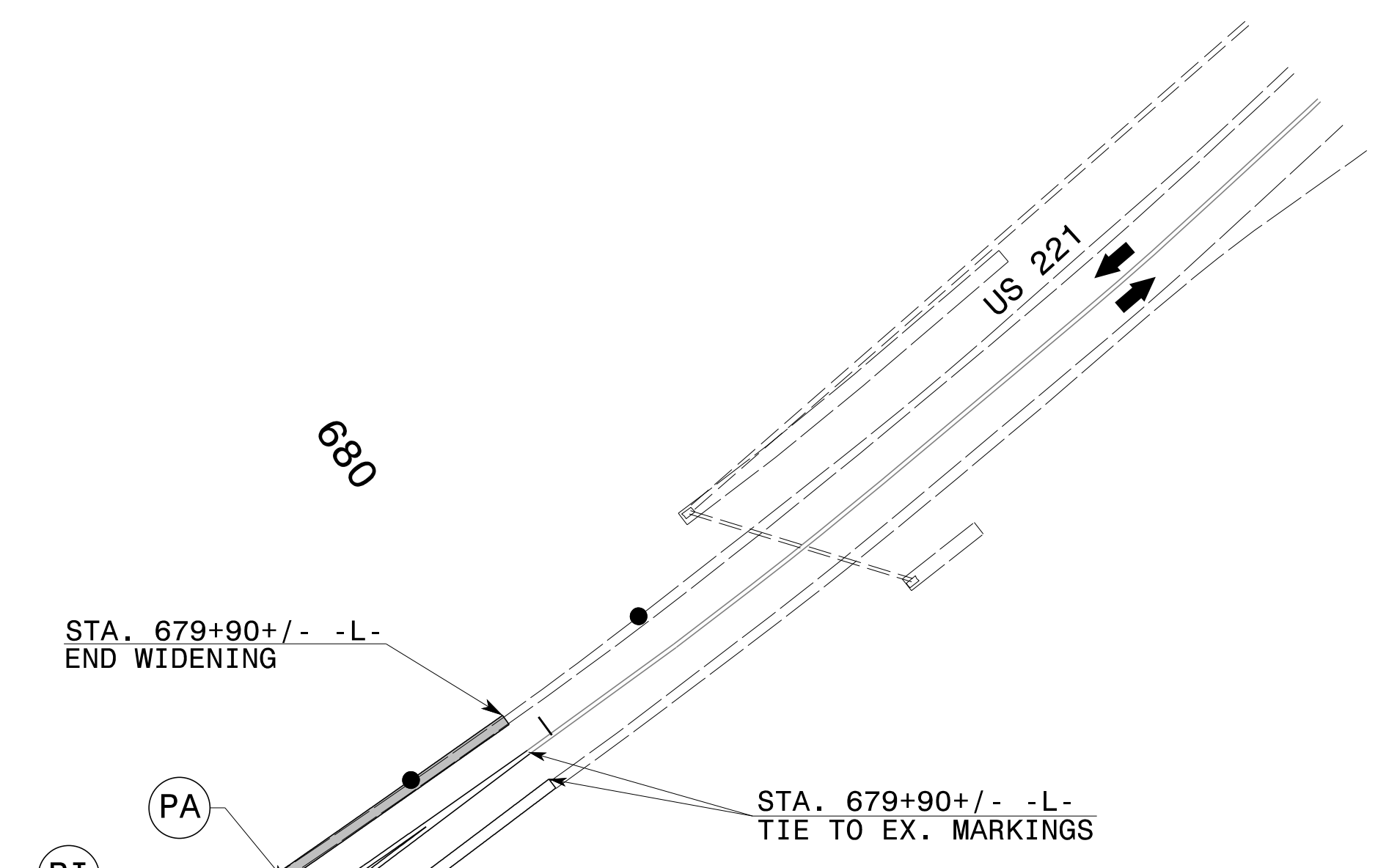
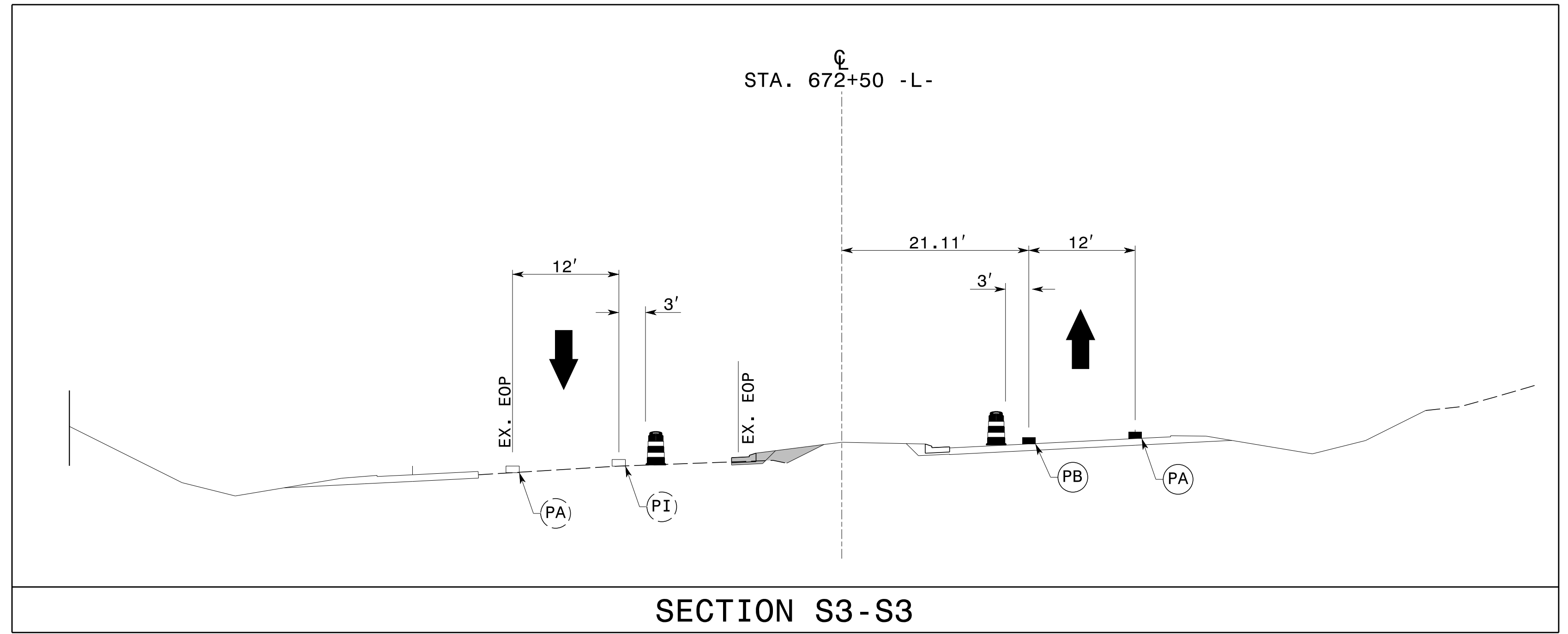


APPROVED: *J. W. Woolard, Jr.* DATE: 11/7/2014

SEAL

PHASE III DETAILS

11/7/2014 p:\t\p\projects-r-2915d\trafficcontrol\cp\R2915D\_TC\_Ph3\_TMP61.dgn User:scodts



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

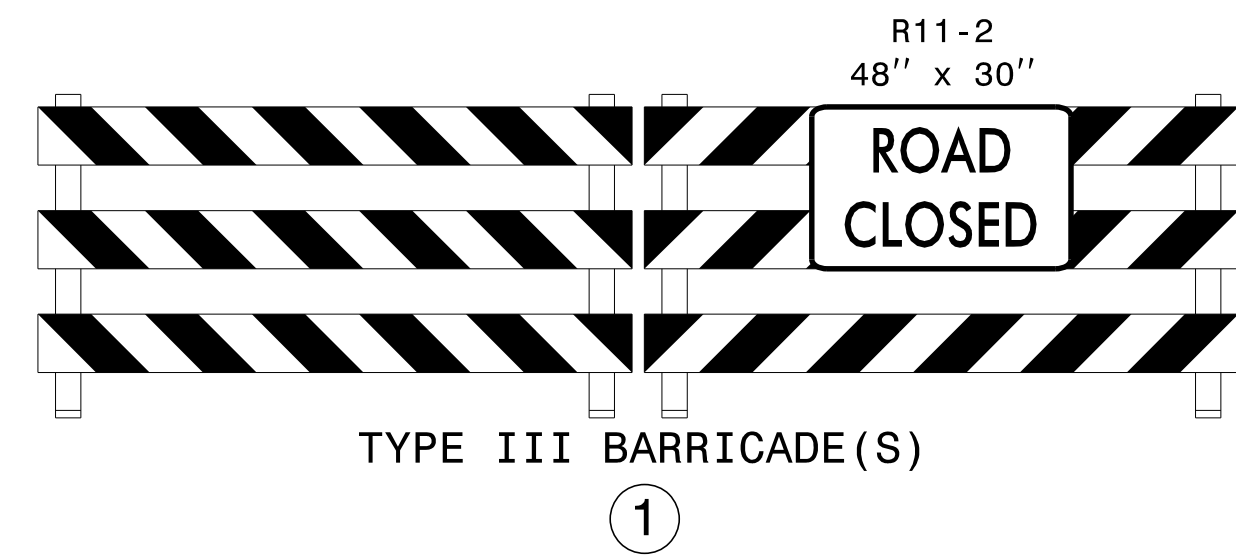
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APPROVED: *J. W. Woolard, Jr.* DATE: 11/7/2014

SEAL



PHASE III DETAILS



INSTALL PERMANENT  
GUARDRAIL

SEE TMP-61  
MATCHLINE STA. 24+50 -Y32-

25

STA. 27+00+/- -Y32-

NC 163

-Y32-

STA. 28+63+/- -Y32-

30

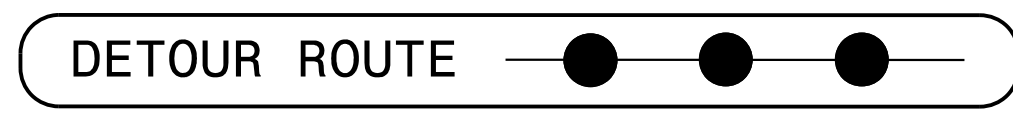
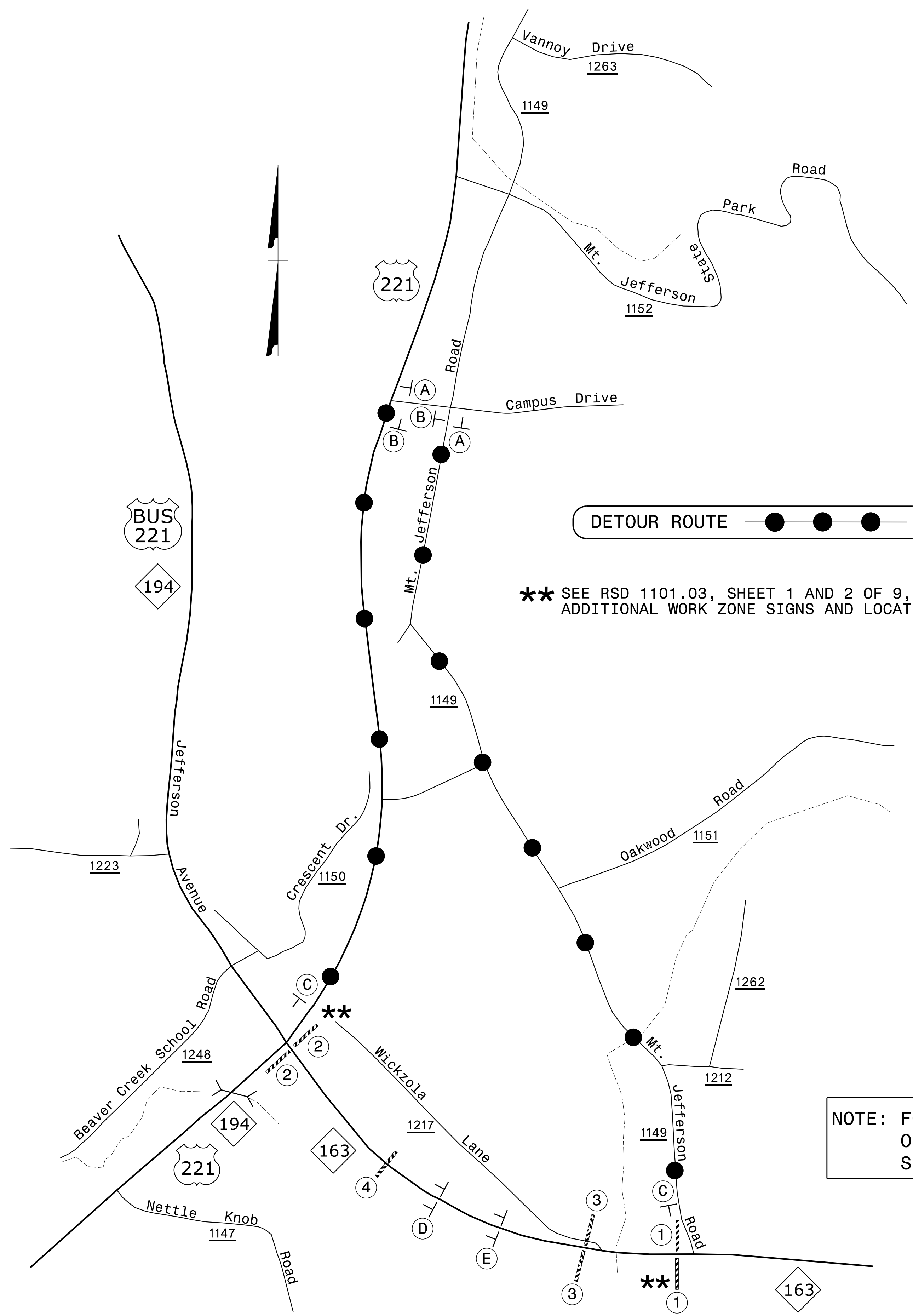
STA. 29+90+/- -Y32-

NC 163

APPROVED: *J. W. Woolard* DATE: 10/30/2014

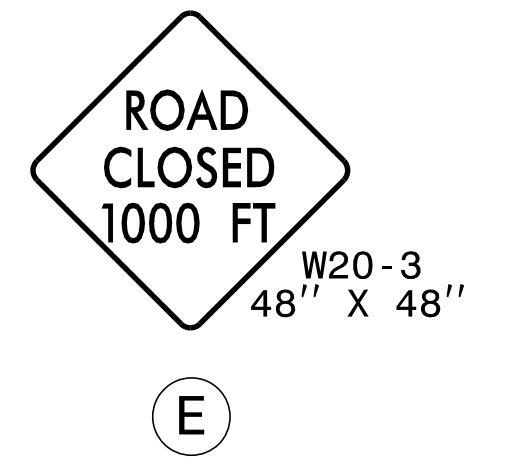
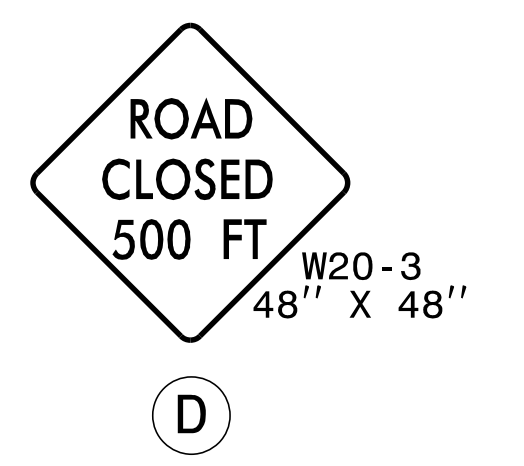
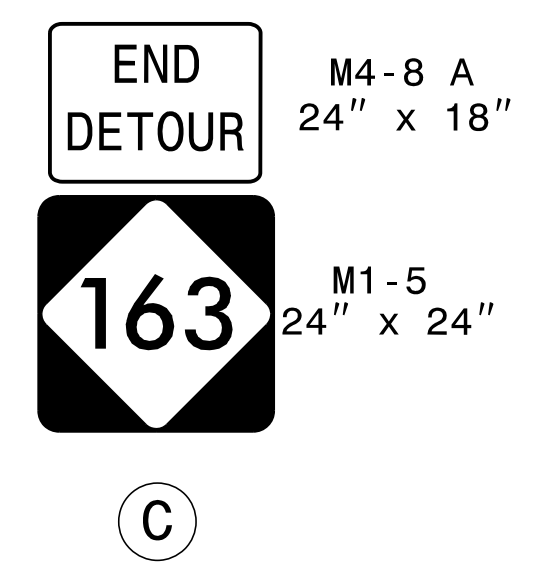
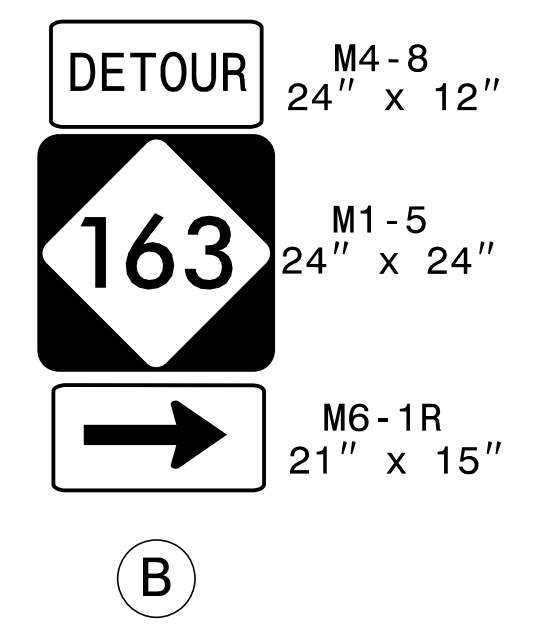
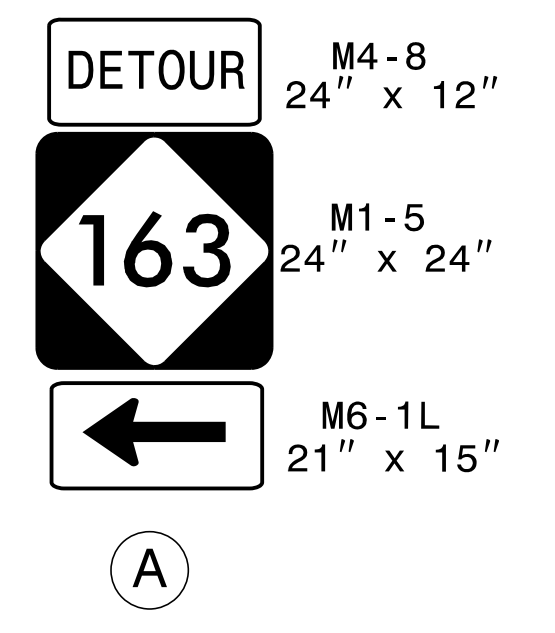
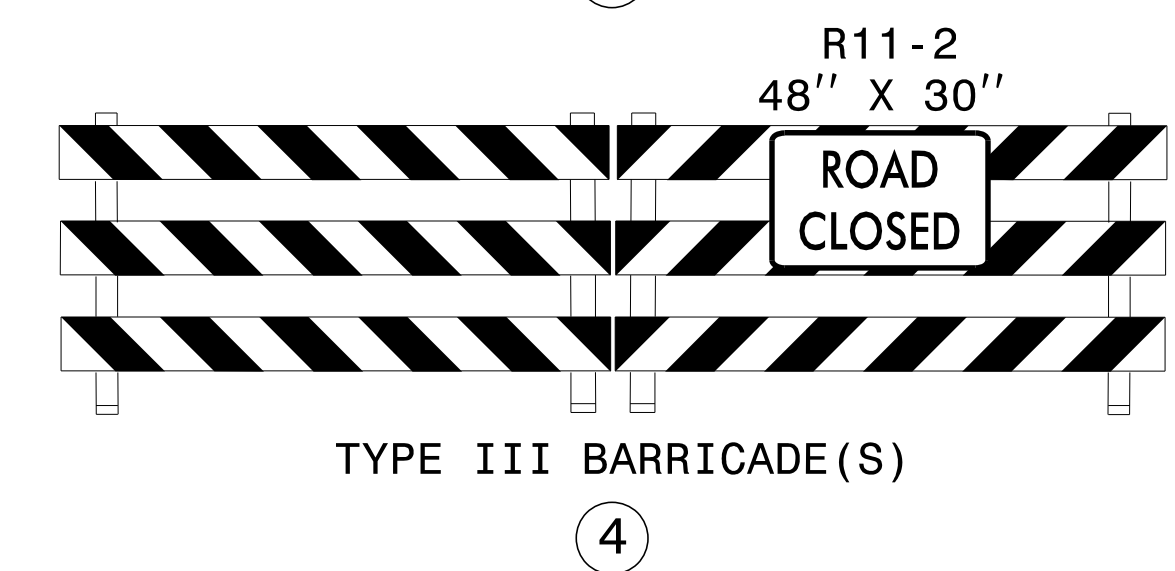
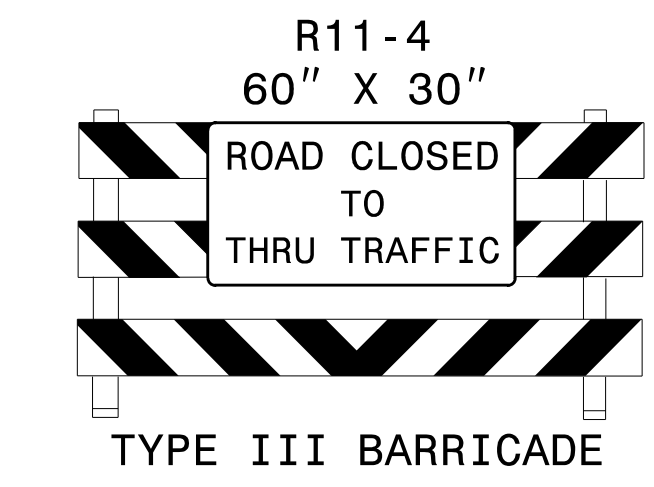
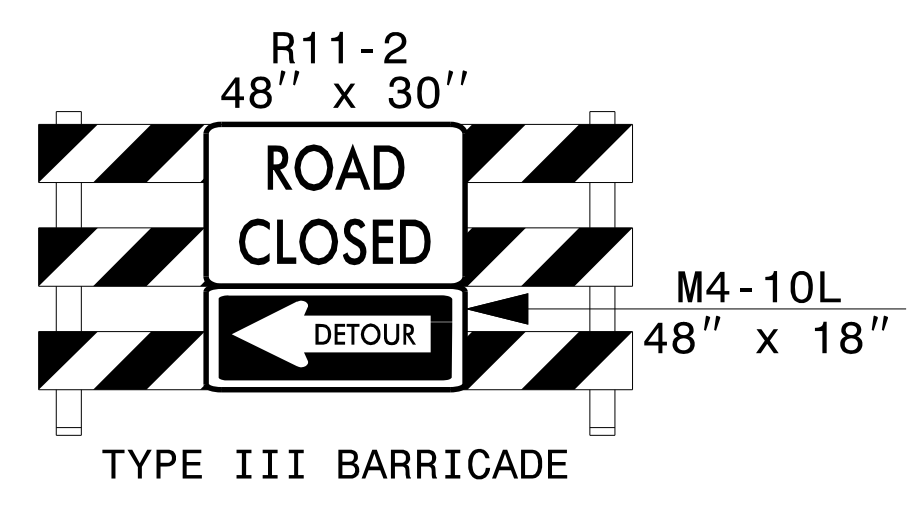
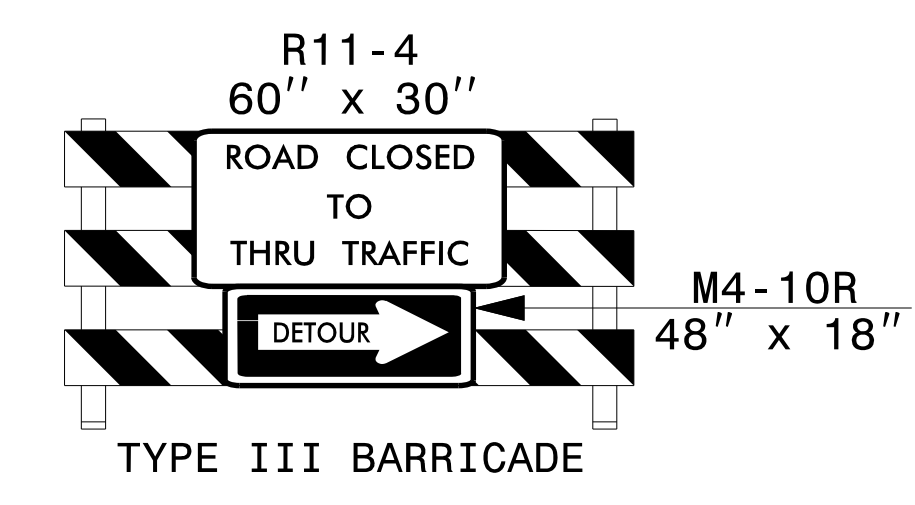
SEAL

PHASE III DETAILS



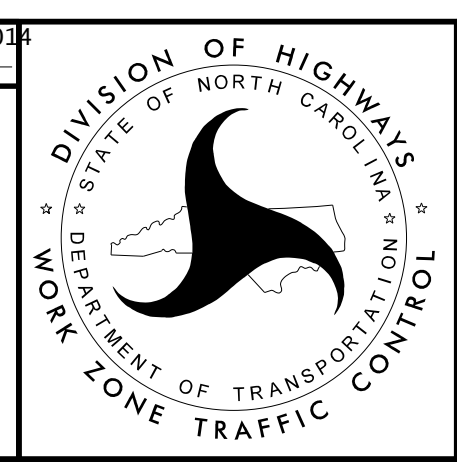
\*\*\* SEE RSD 1101.03, SHEET 1 AND 2 OF 9, FOR ADDITIONAL WORK ZONE SIGNS AND LOCATIONS

NOTE: FOR CONSTRUCTION DETAILS AT INTX OF US 221/NC 194 AND NC 163, SEE TMP-61 AND TMP-63.

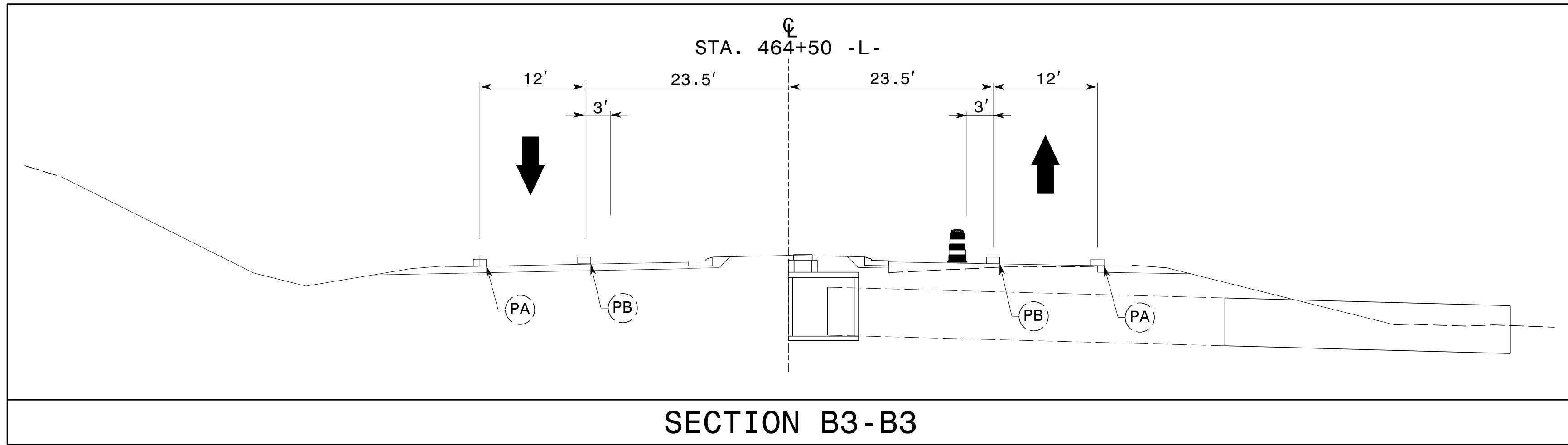


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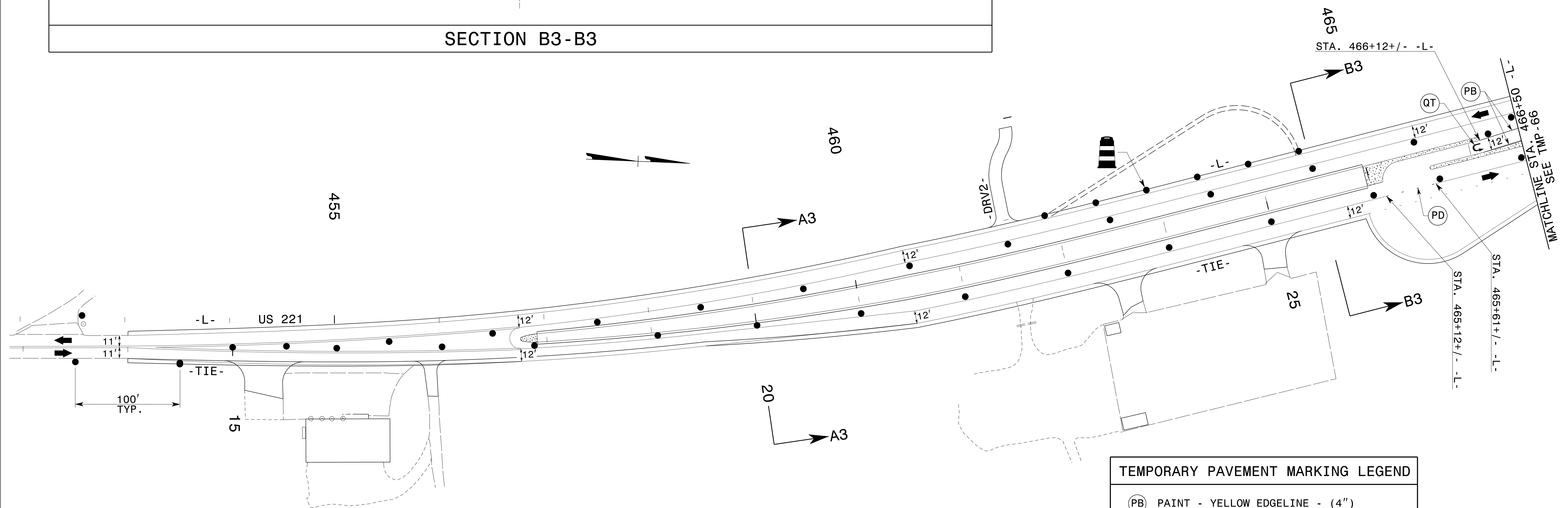
APPROVED: *J. W. Woolard* DATE: 10/30/2014  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 19862  
 J. W. WOOLARD



**PHASE III  
 OFF-SITE DETOUR  
 NC 163**

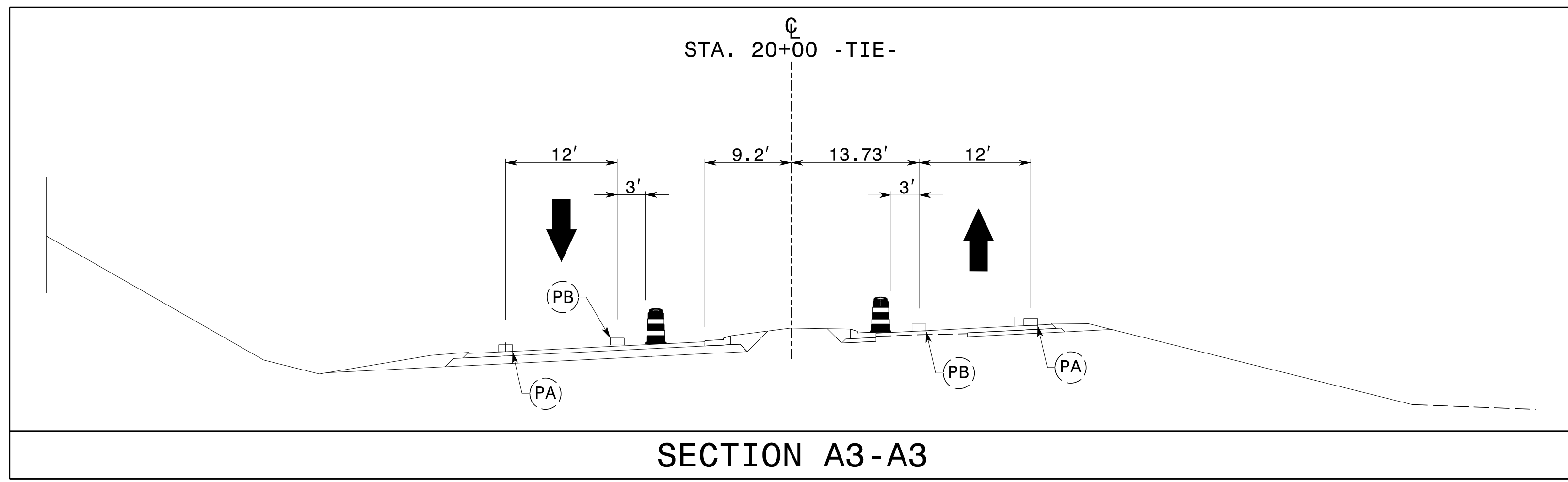


SECTION B3-B3



TEMPORARY PAVEMENT MARKING LEGEND	
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(QT)	PAINT - U-TURN ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



SECTION A3-A3

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

PROFESSIONAL ENGINEER  
J. W. WOOLARD  
19862

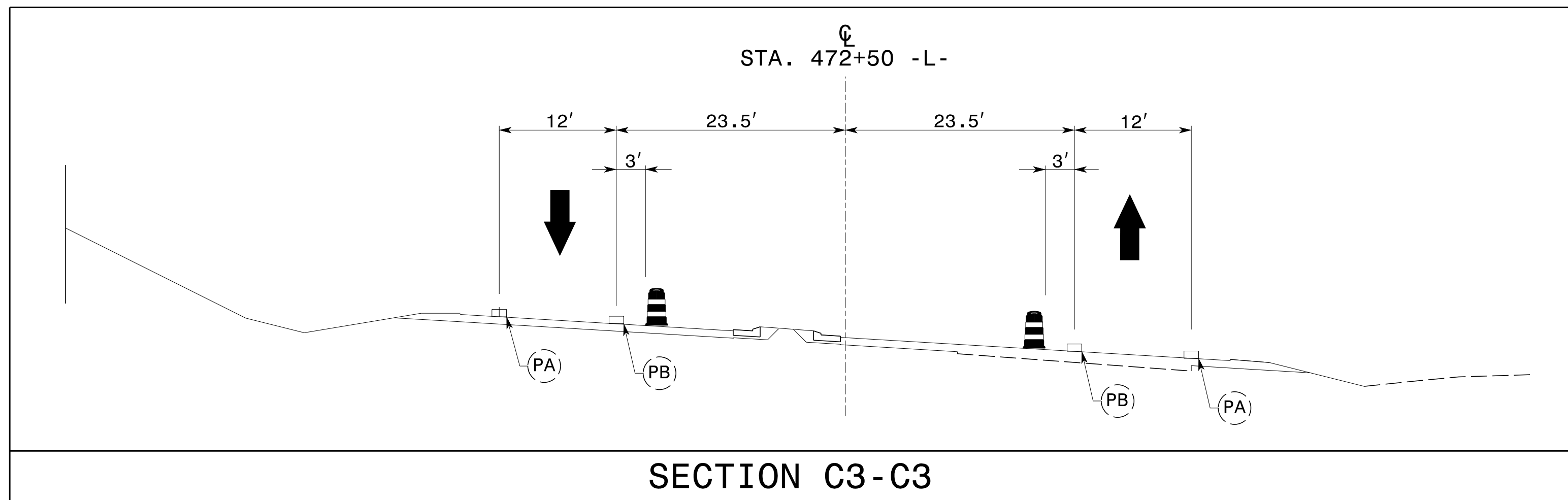
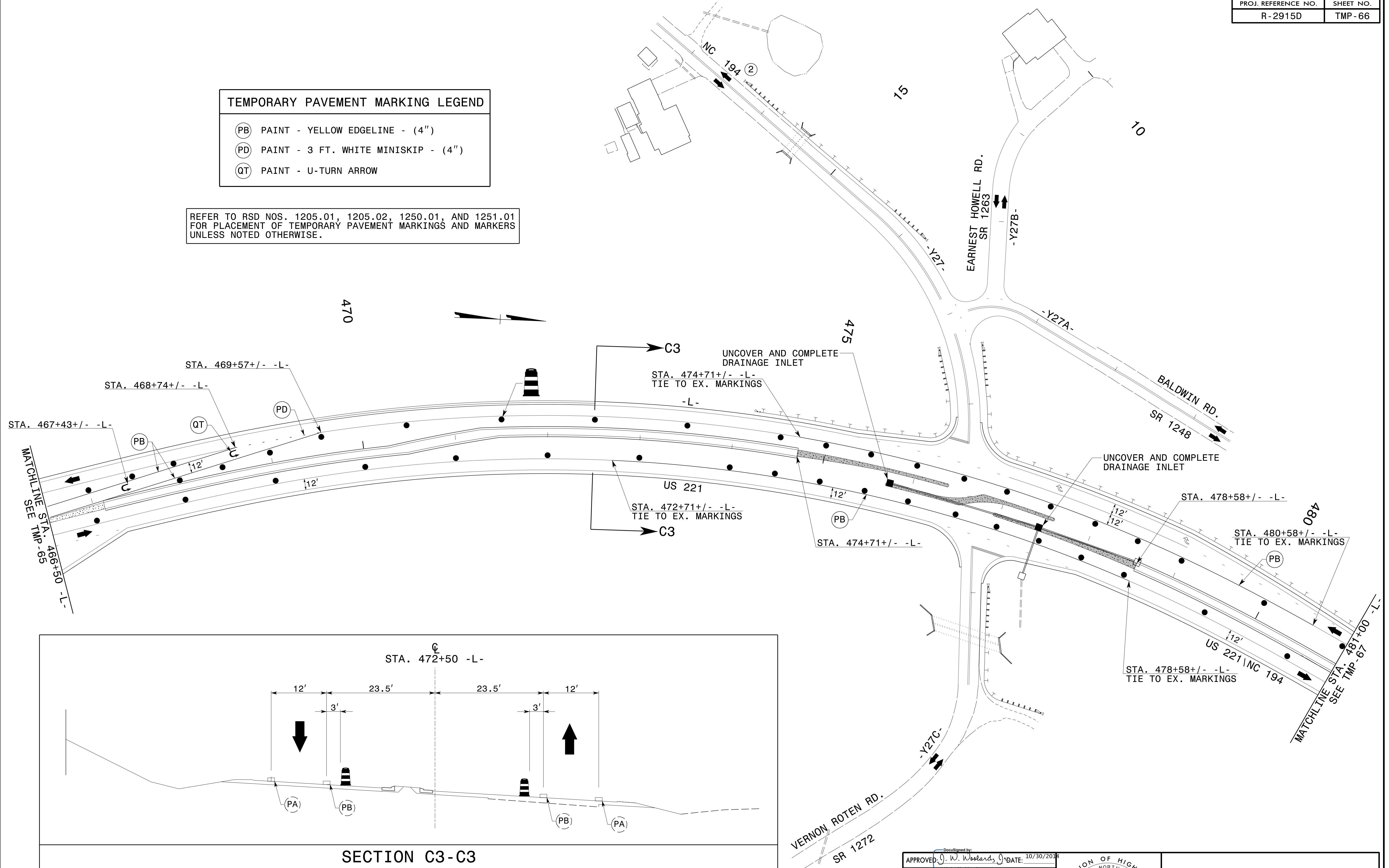


PHASE III DETAILS

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TEMPORARY PAVEMENT MARKING LEGEND	
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(QT)	PAINT - U-TURN ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



APPROVED: *J. W. Woolard* DATE: 10/30/2014

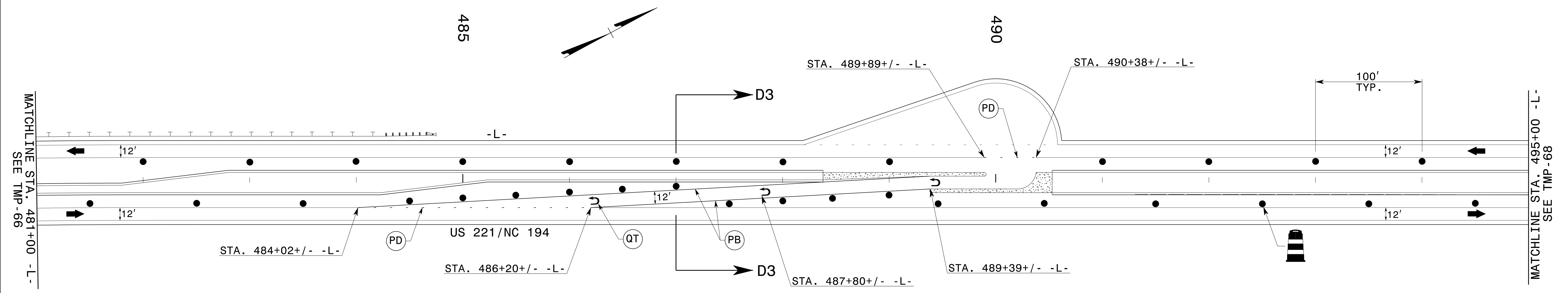
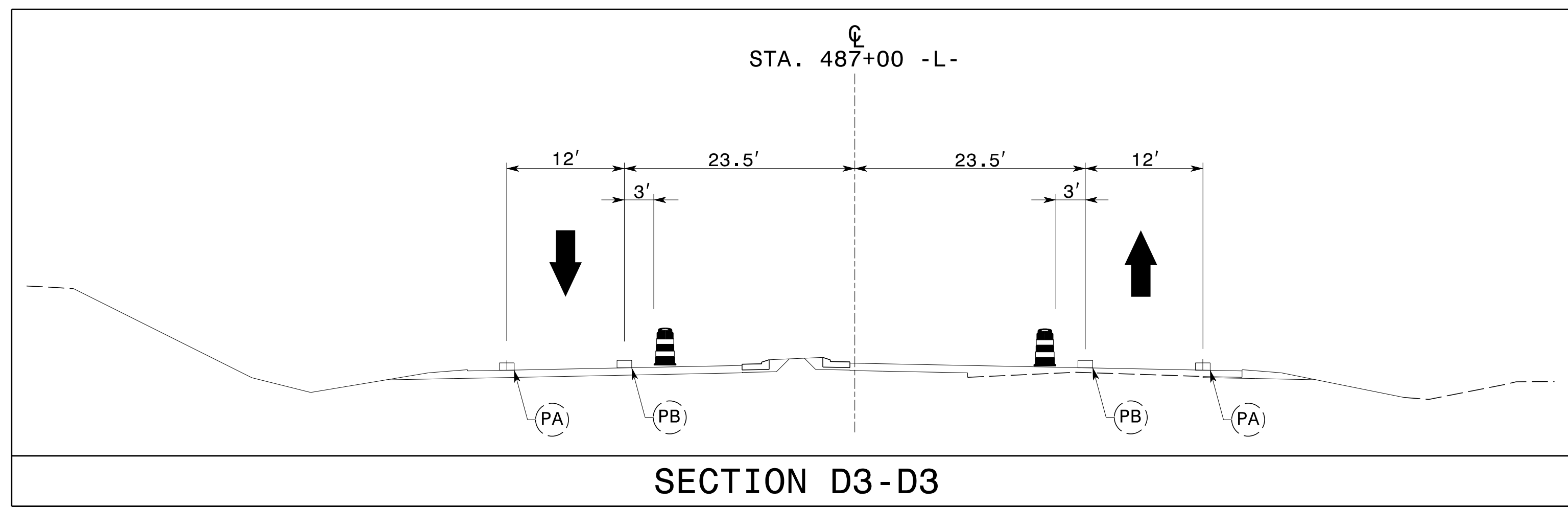
SEAL

PROFESSIONAL ENGINEER  
19862  
J. W. WOOLARD



PHASE III DETAILS

10/24/2014  
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User:tscoodts



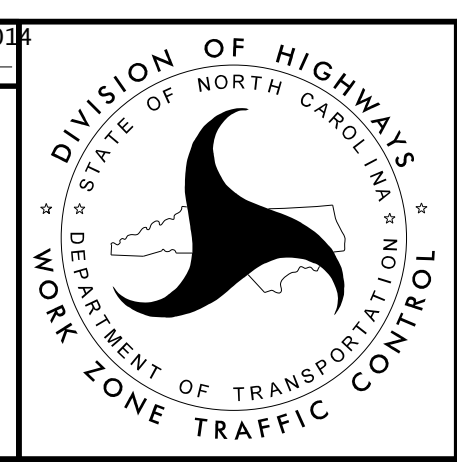
TEMPORARY PAVEMENT MARKING LEGEND	
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(QT)	PAINT - U-TURN ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

10/24/2014 p:\tj\pco\projects-r\2915d\trafficcontrol\cp\R2915D\_TC\_PH3\_TMP67.dgn User:tscoodts

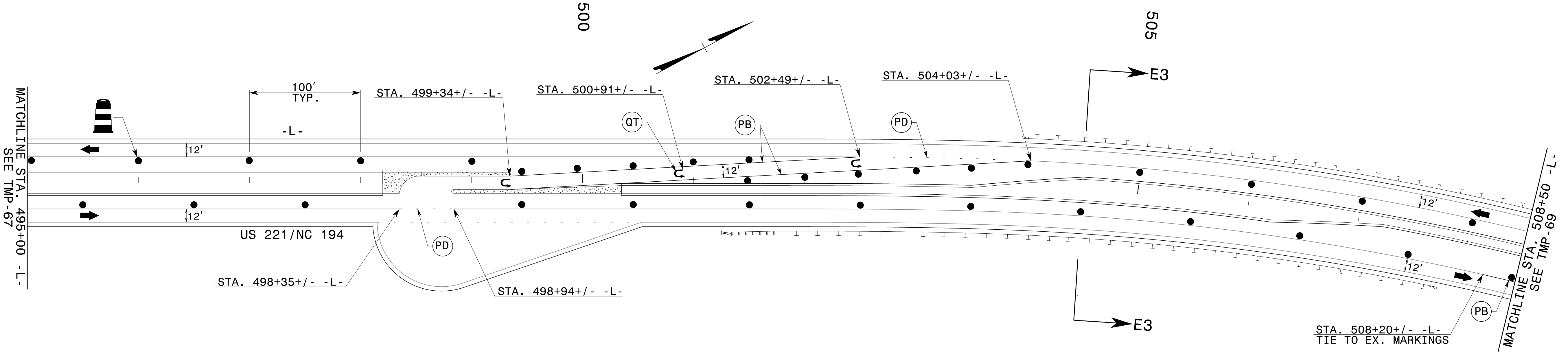
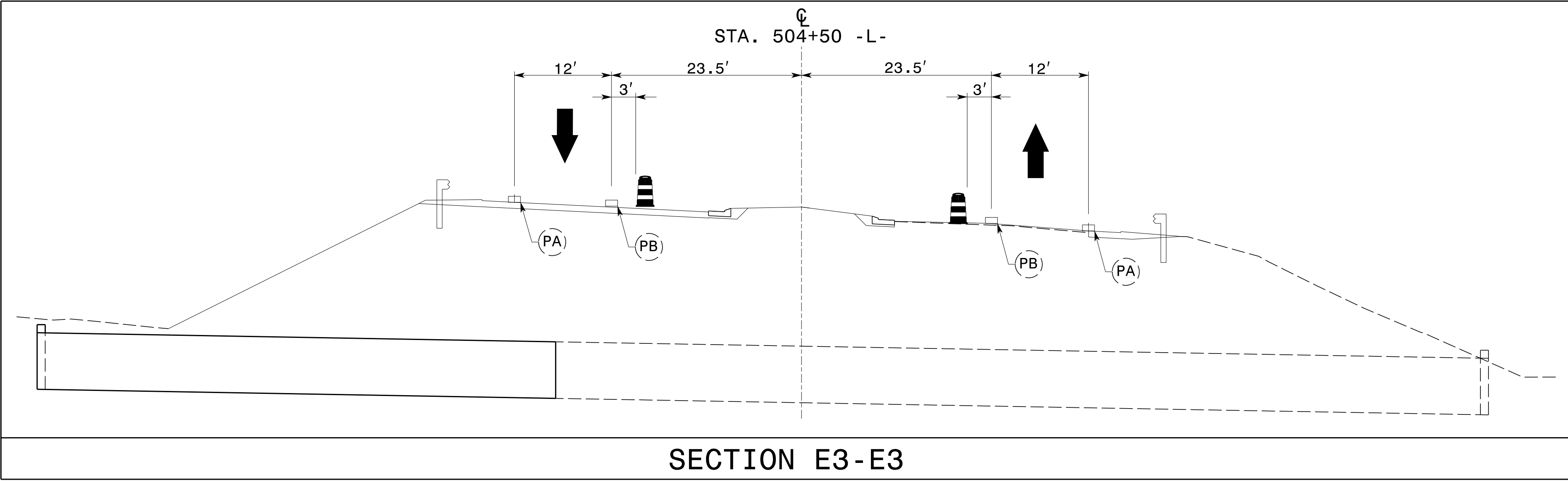
APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL



PHASE III DETAILS





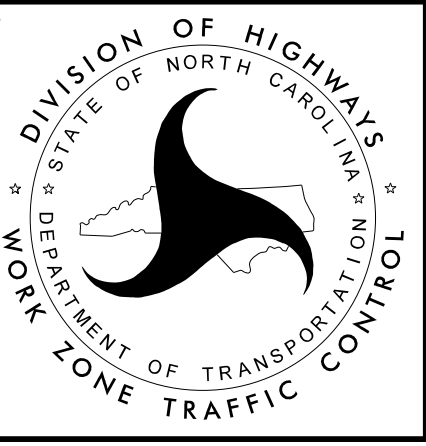
TEMPORARY PAVEMENT MARKING LEGEND	
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(QT)	PAINT - U-TURN ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

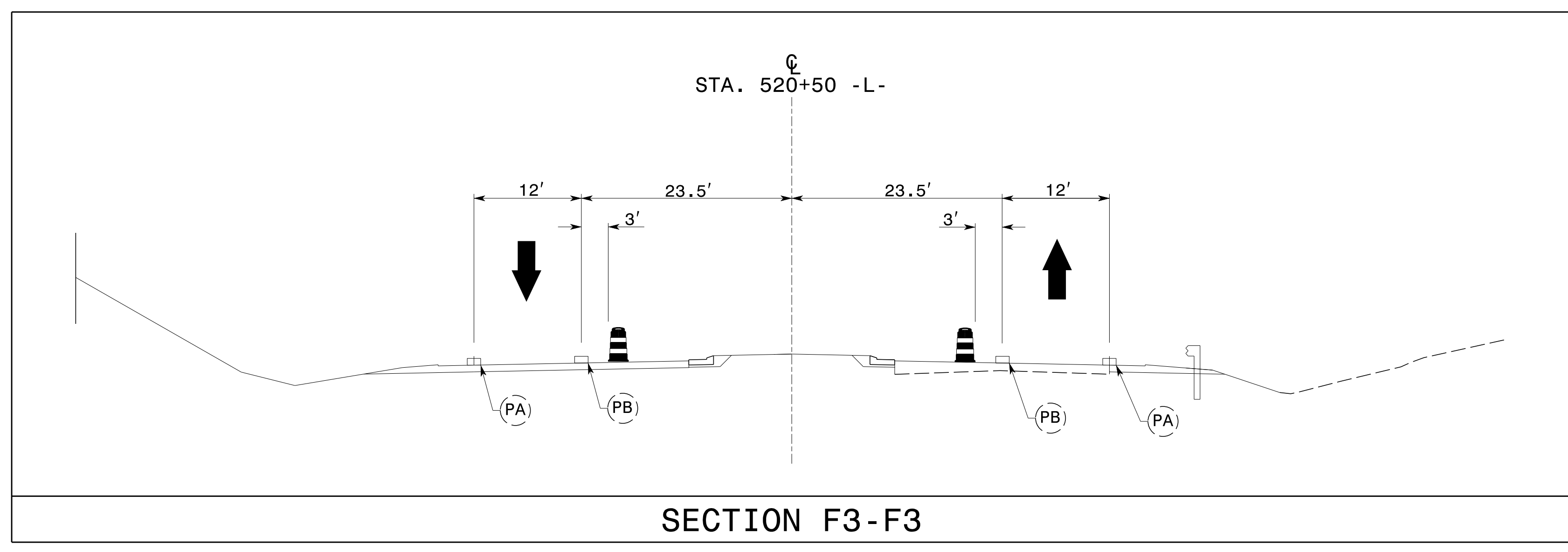
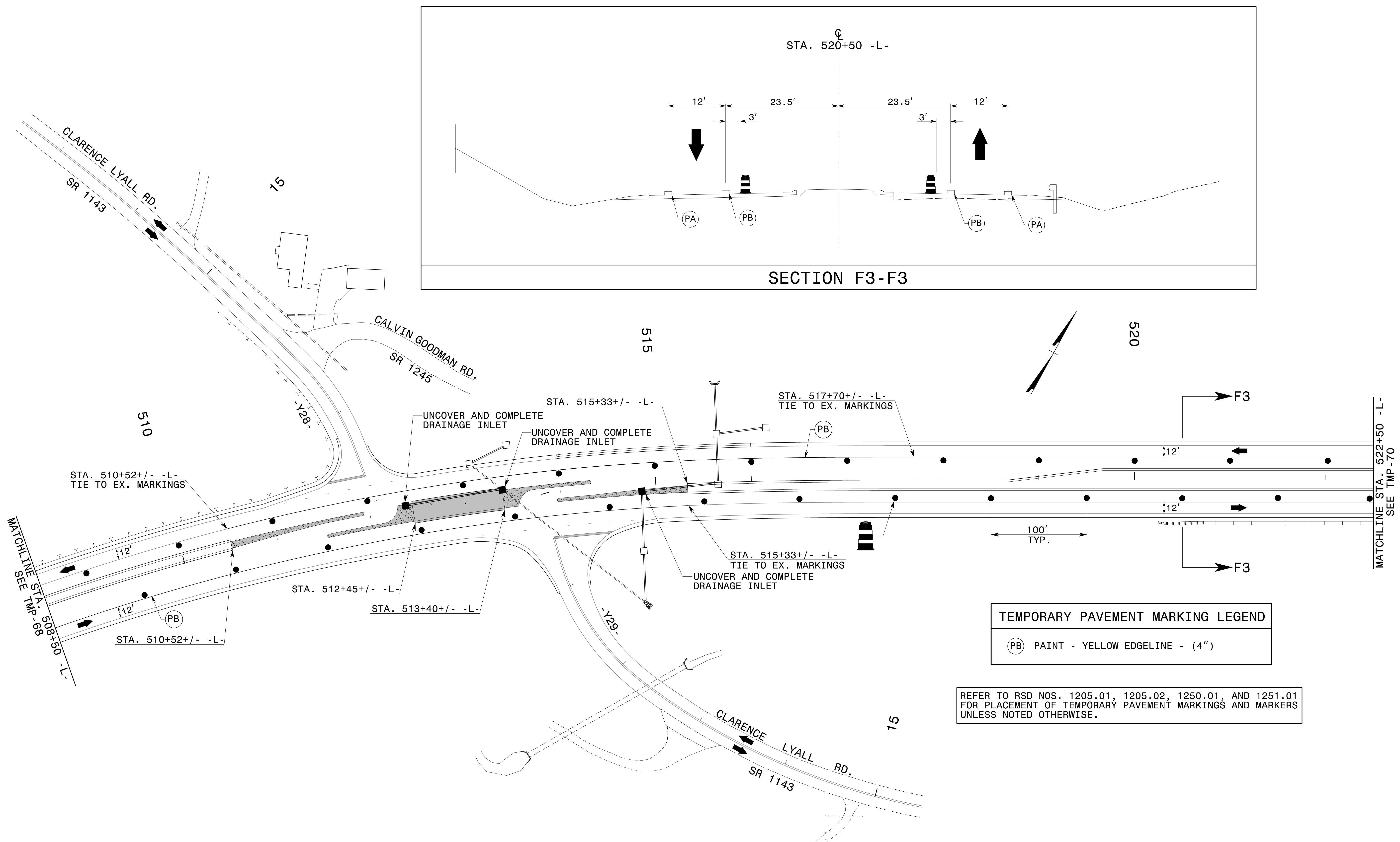
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL



PHASE III DETAILS



TEMPORARY PAVEMENT MARKING LEGEND	
(PB)	PAINT - YELLOW EDGELINE - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

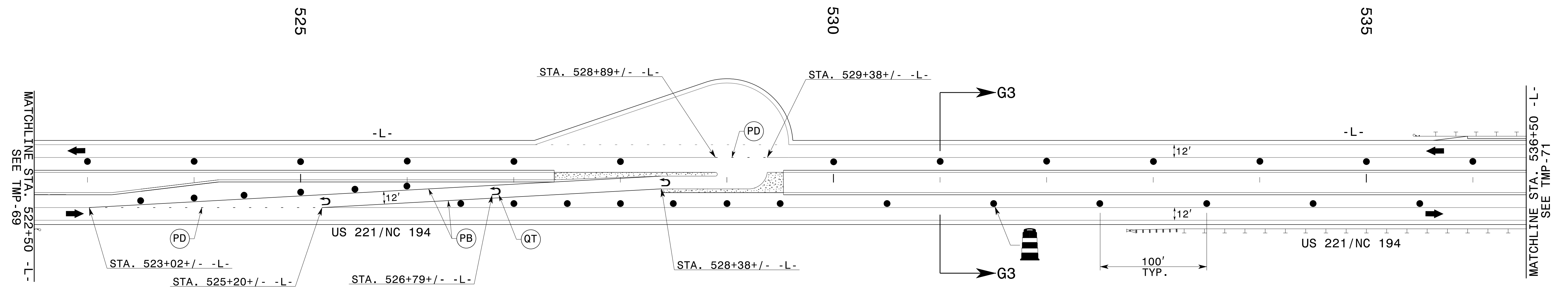
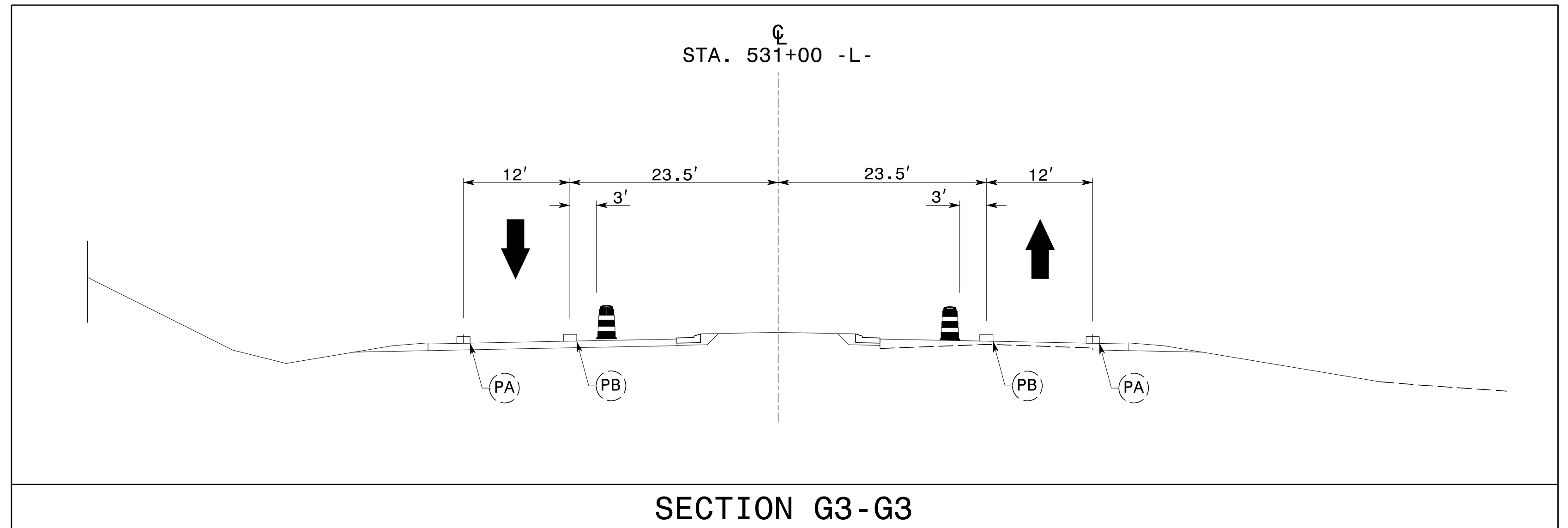
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

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DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
ZONE TRAFFIC CONTROL

PHASE III DETAILS



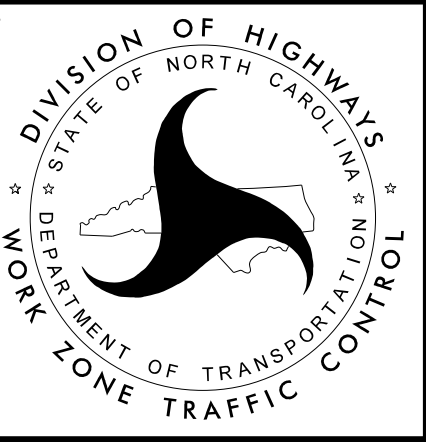
TEMPORARY PAVEMENT MARKING LEGEND	
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(QT)	PAINT - U-TURN ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

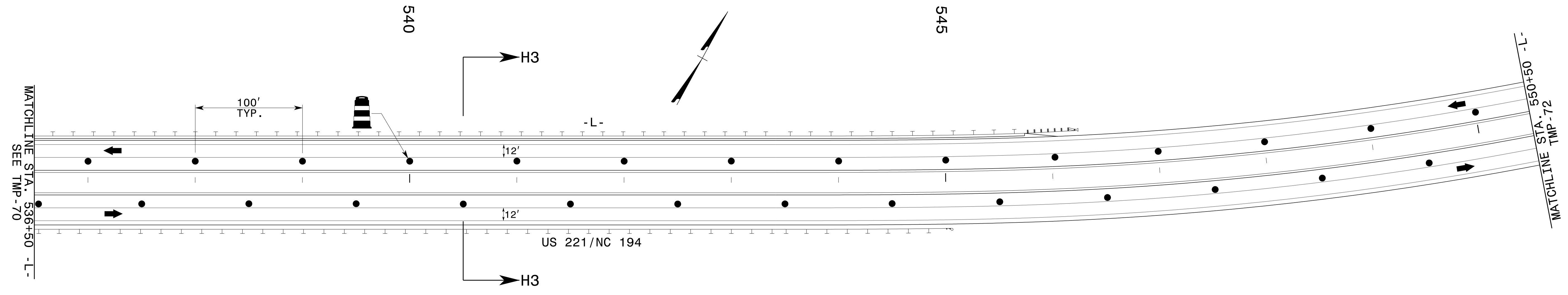
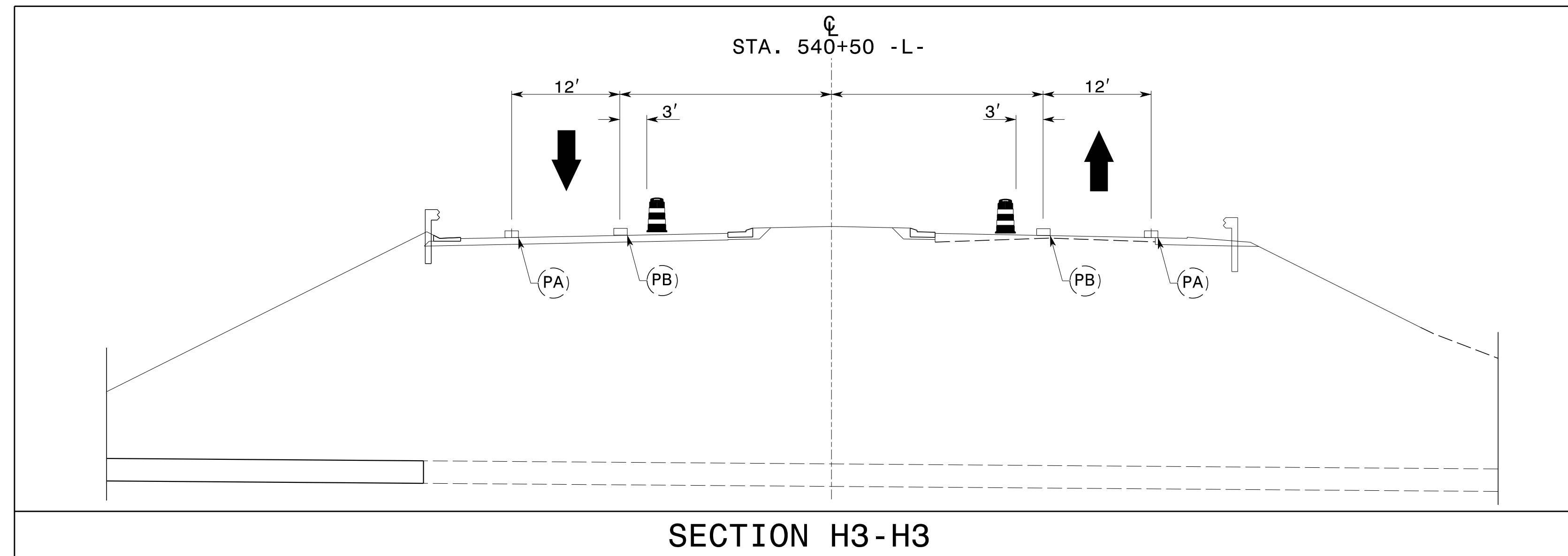
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

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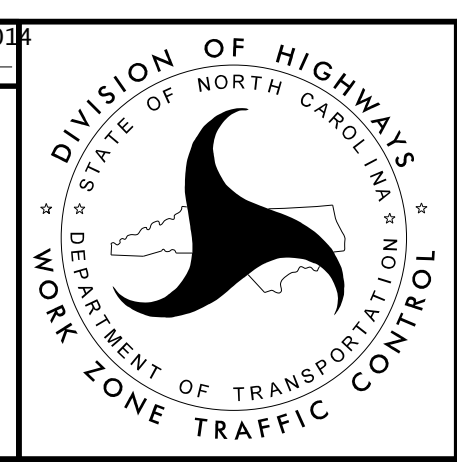
PHASE III DETAILS



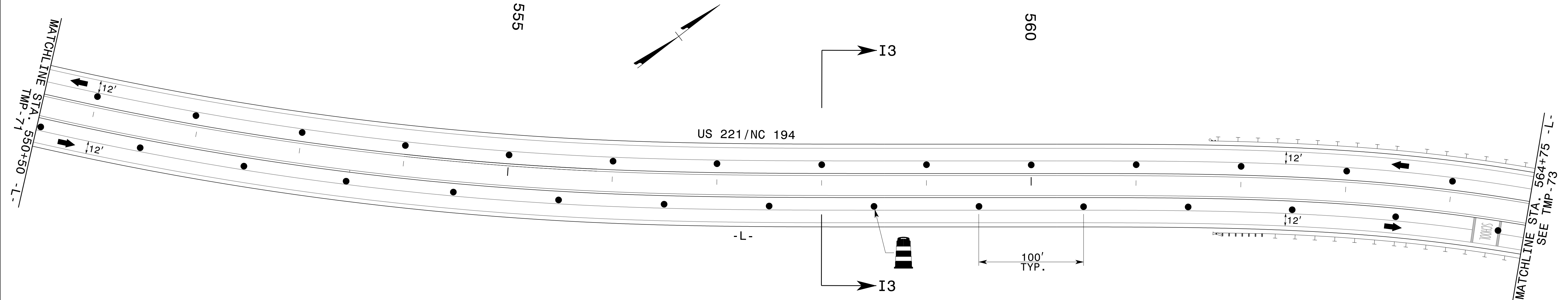
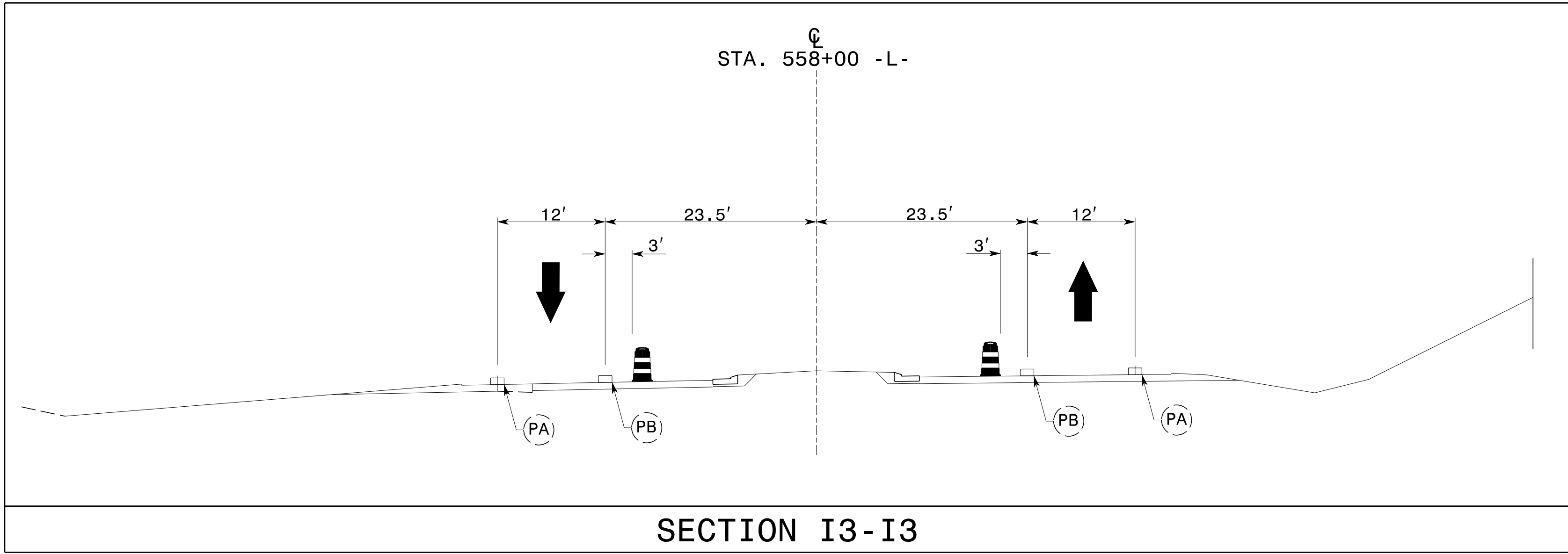
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APPROVED: *J. W. Woolard* DATE: 10/30/2014

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PHASE III DETAILS

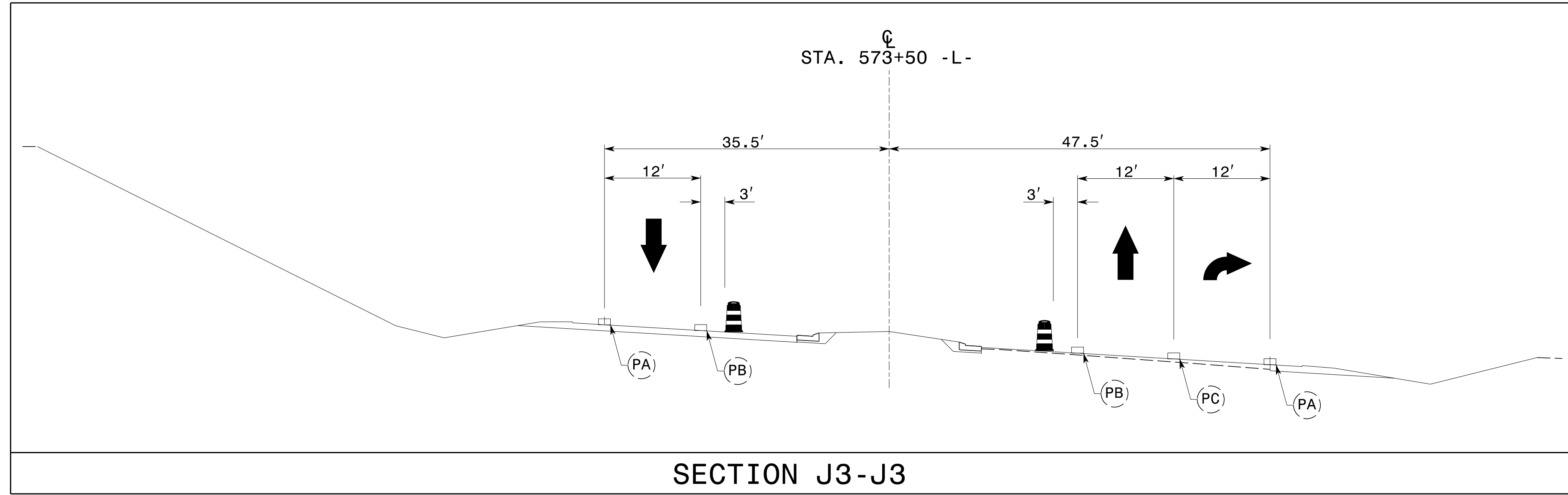


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APPROVED: *J. W. Woolard* DATE: 10/30/2014

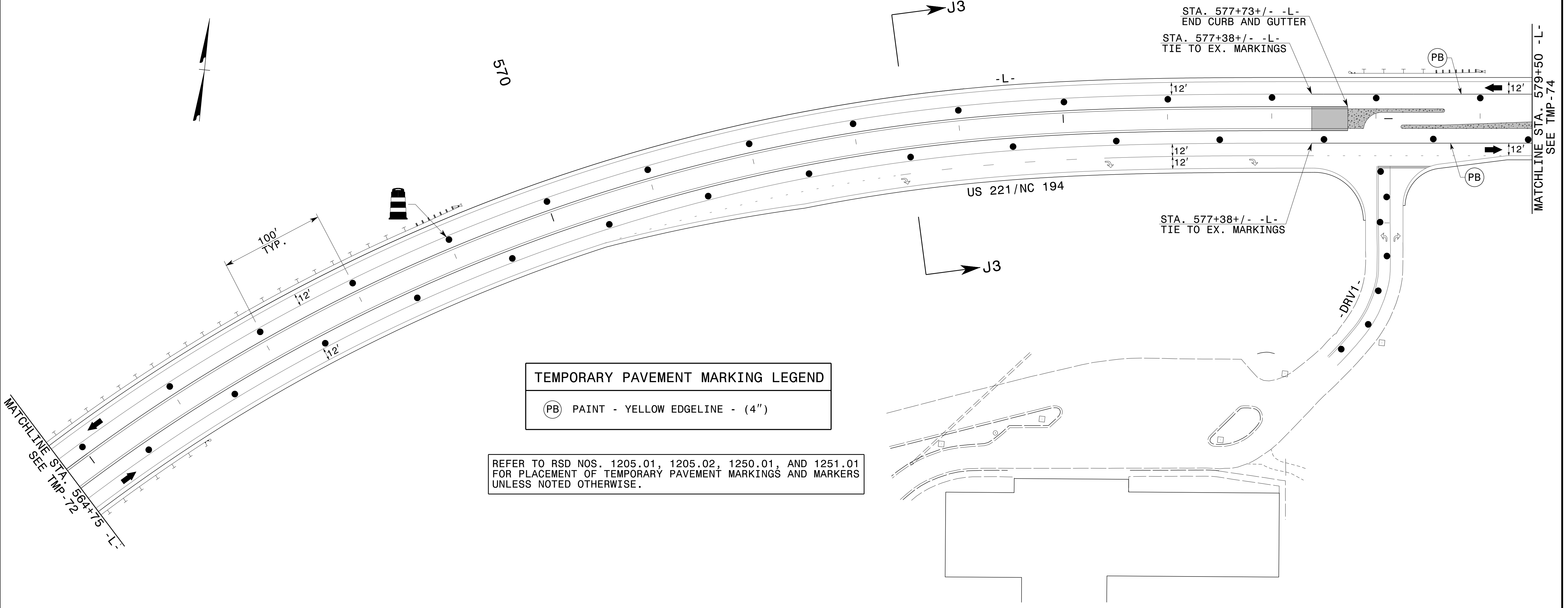
SEAL

PHASE III DETAILS



575

SECTION J3-J3



570

TEMPORARY PAVEMENT MARKING LEGEND	
(PB)	PAINT - YELLOW EDGELINE - (4")

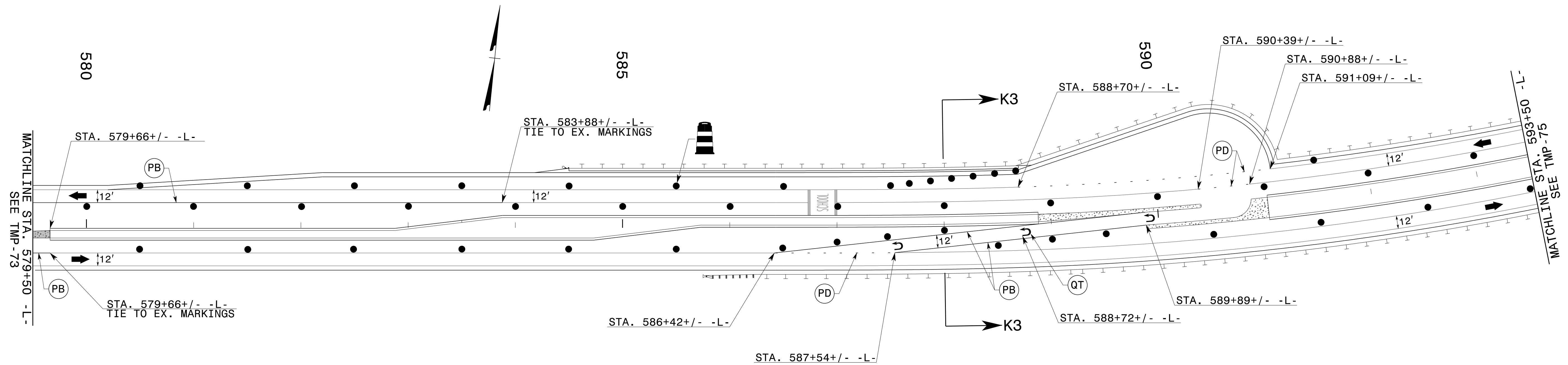
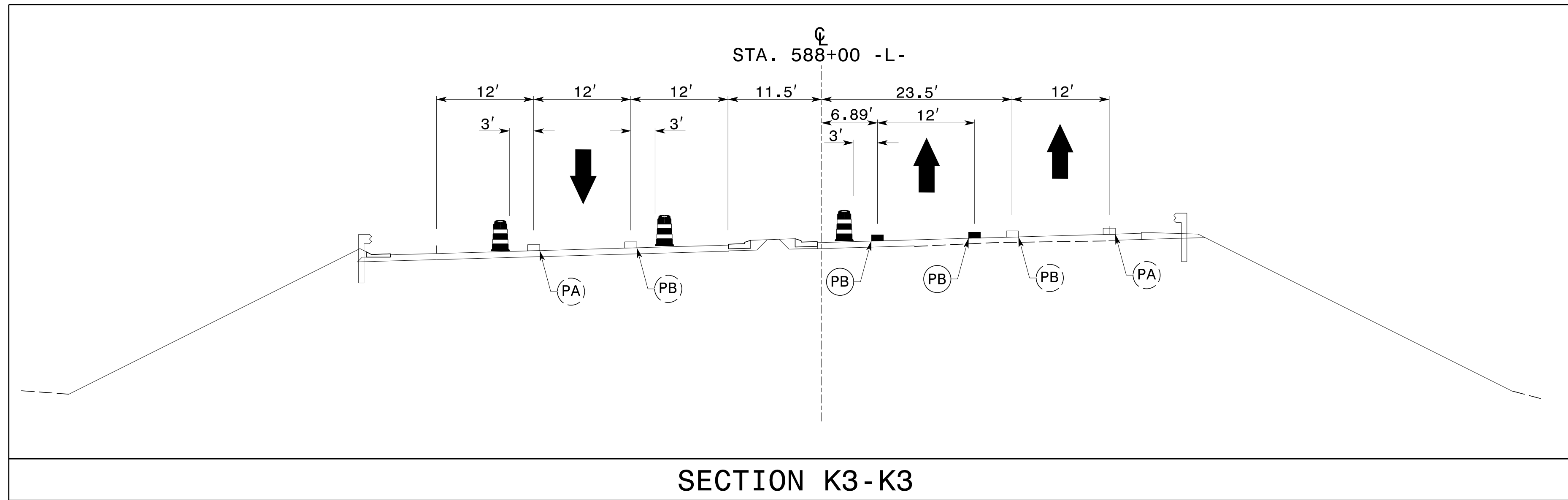
REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

10/24/2014  
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 User:scodts

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

PHASE III DETAILS



TEMPORARY PAVEMENT MARKING LEGEND	
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(QT)	PAINT - U-TURN ARROW

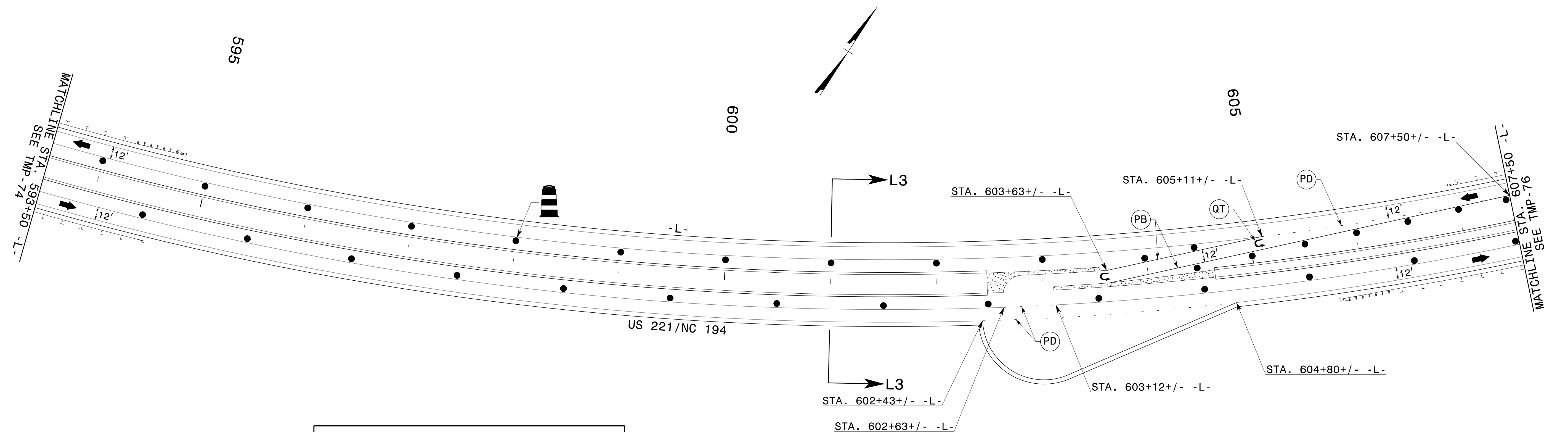
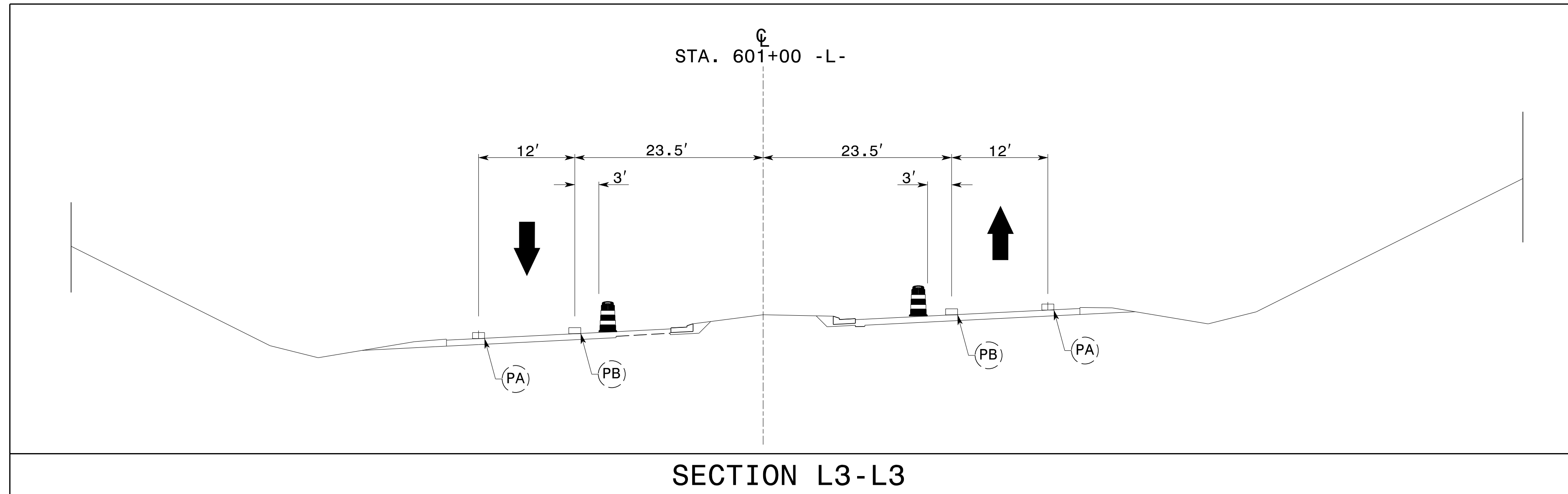
REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

10/24/2014  
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User:tscoodts

APPROVED: *J. W. Woolard* DATE: 10/30/2014

SEAL

PHASE III DETAILS



TEMPORARY PAVEMENT MARKING LEGEND	
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(QT)	PAINT - U-TURN ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

10/24/2014 p:\t\p\projects-r\2915d\trafficcontrol\cp\R2915D\_TC\_PH3\_TMP75.dgn User:scodts

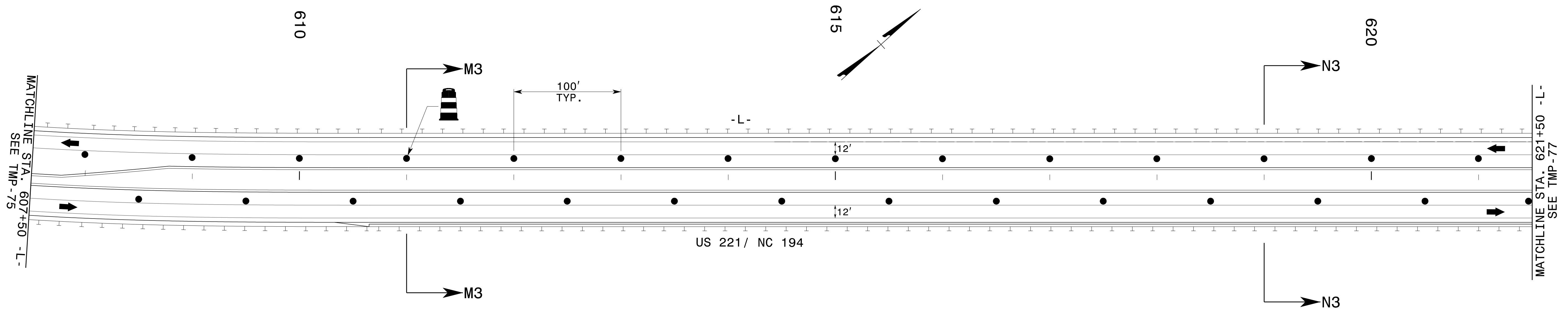
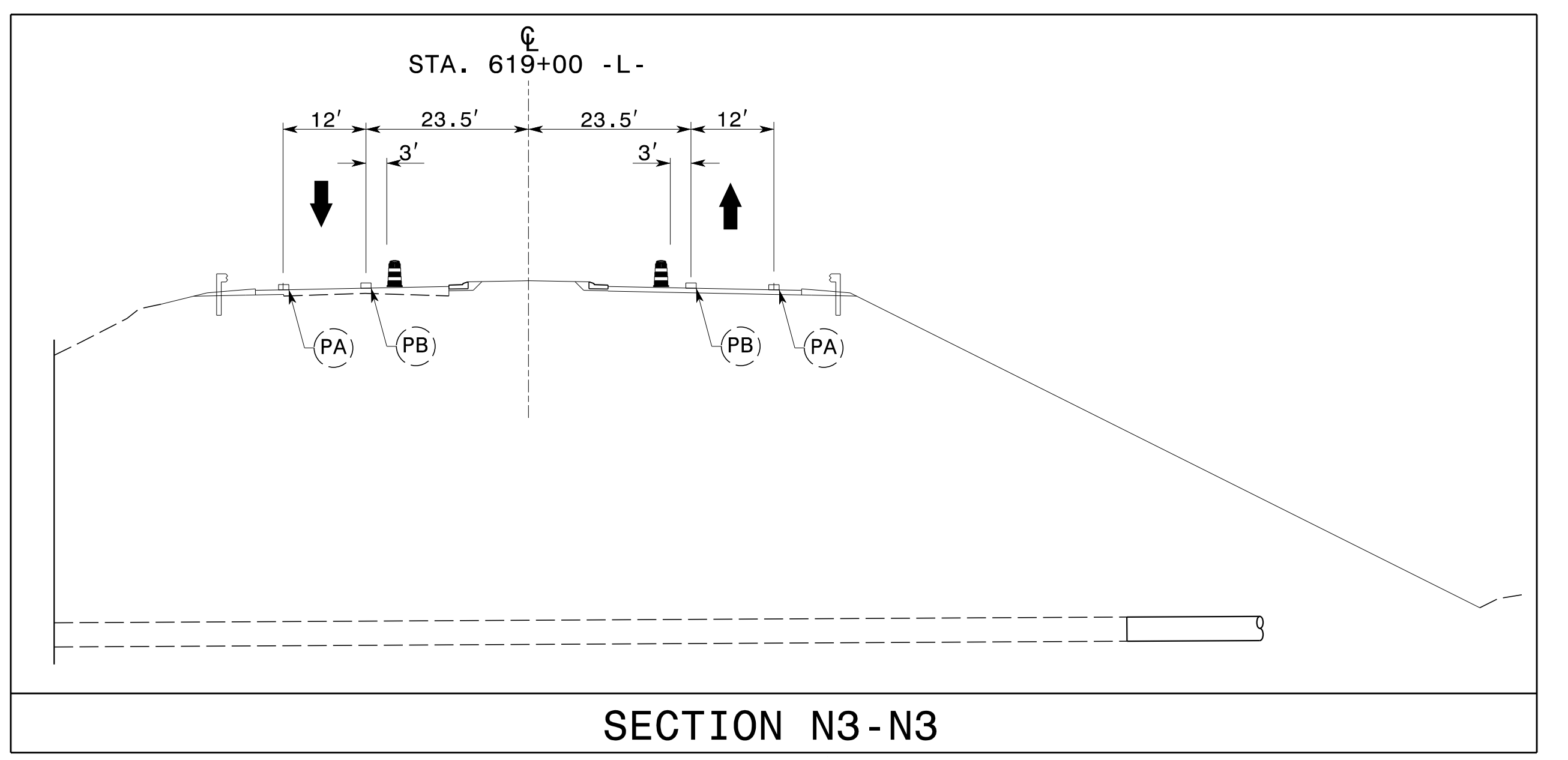
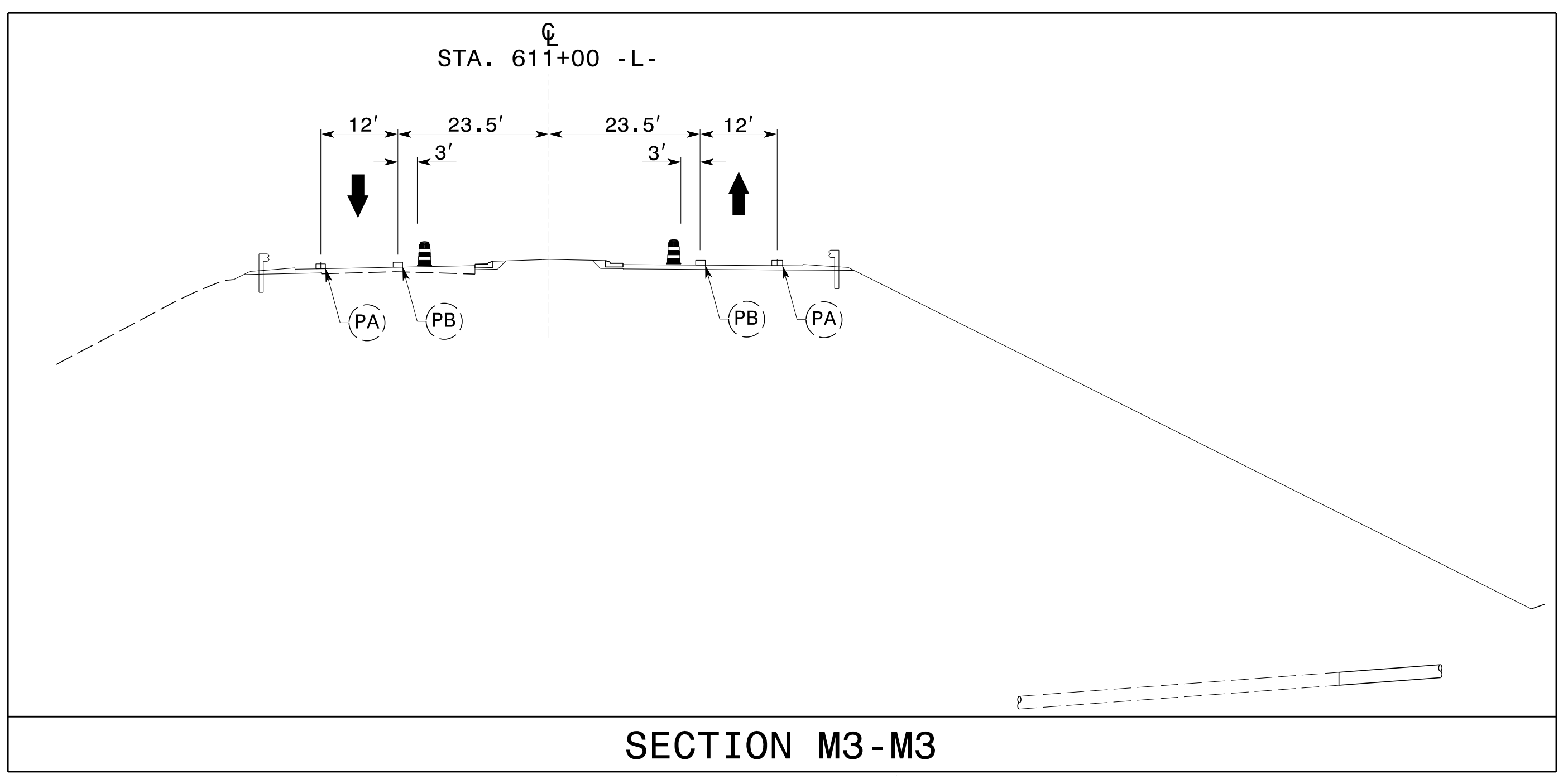
APPROVED: *J. W. Woolard* DATE: 10/30/2014

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PHASE III DETAILS

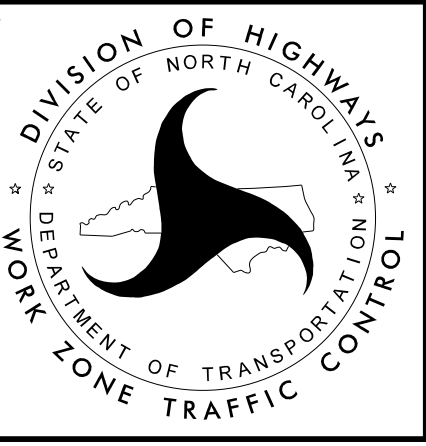




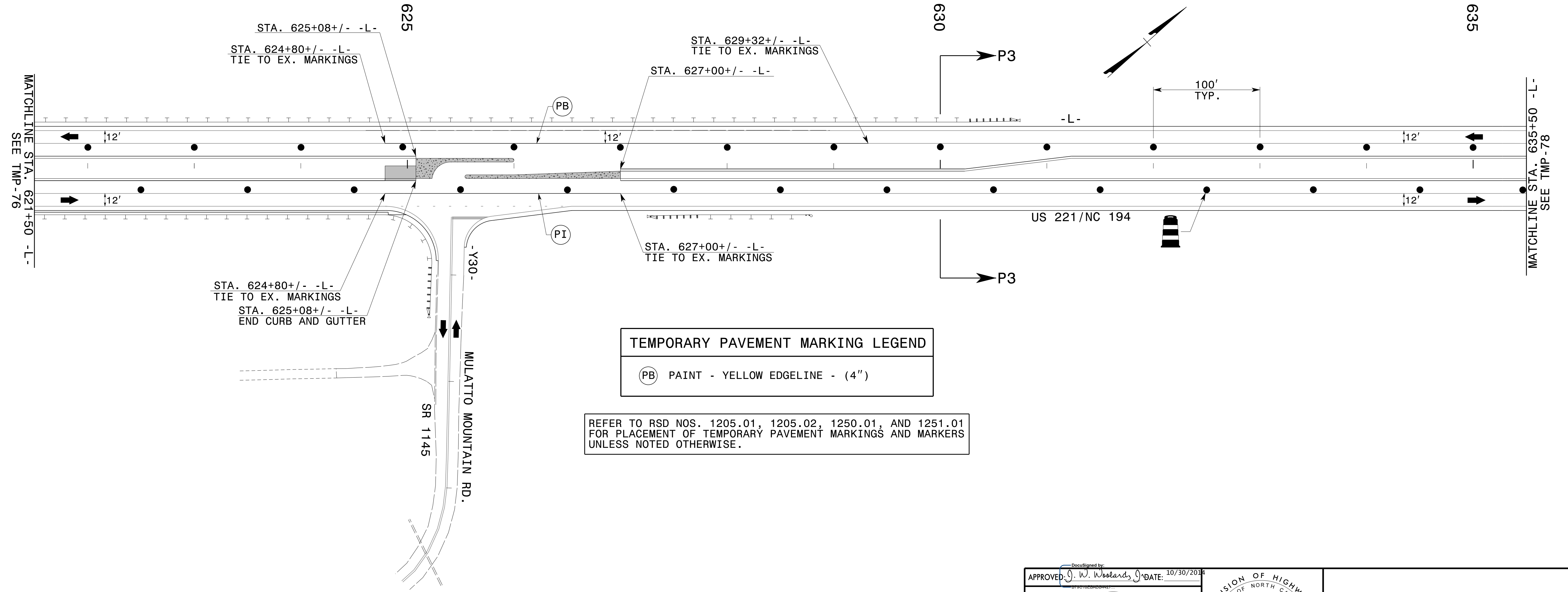
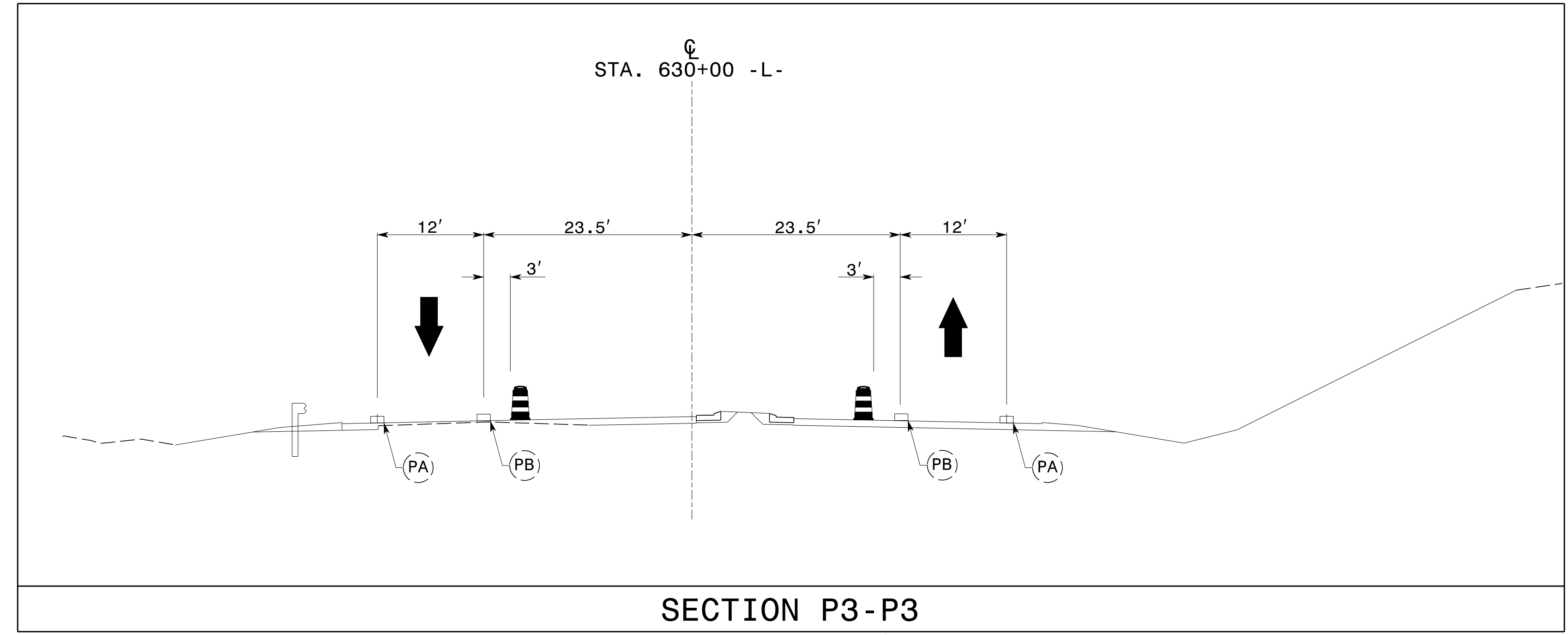
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PHASE III DETAILS



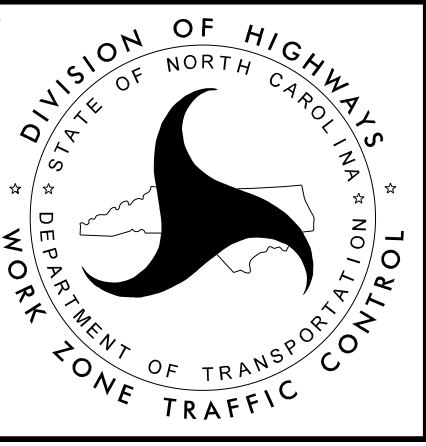
TEMPORARY PAVEMENT MARKING LEGEND	
(PB)	PAINT - YELLOW EDGELINE - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

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APPROVED: *J. W. Woolard* DATE: 10/30/2014

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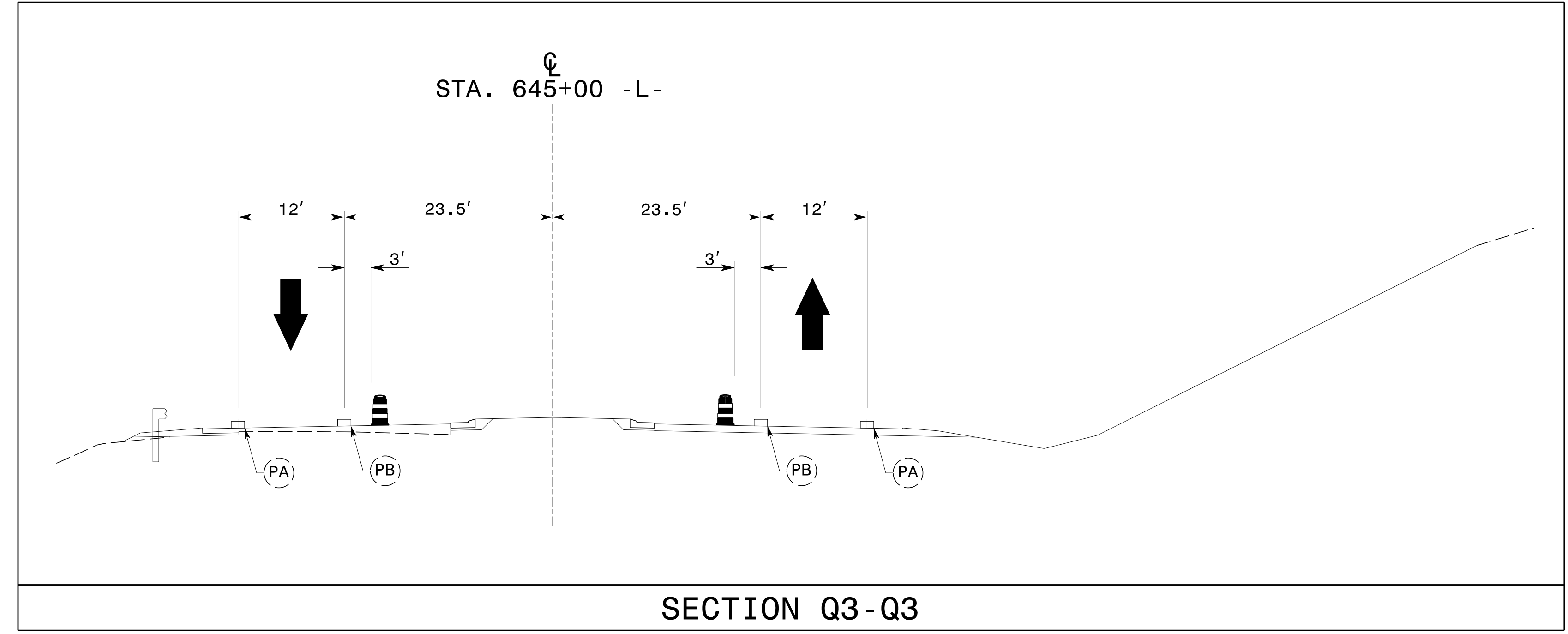
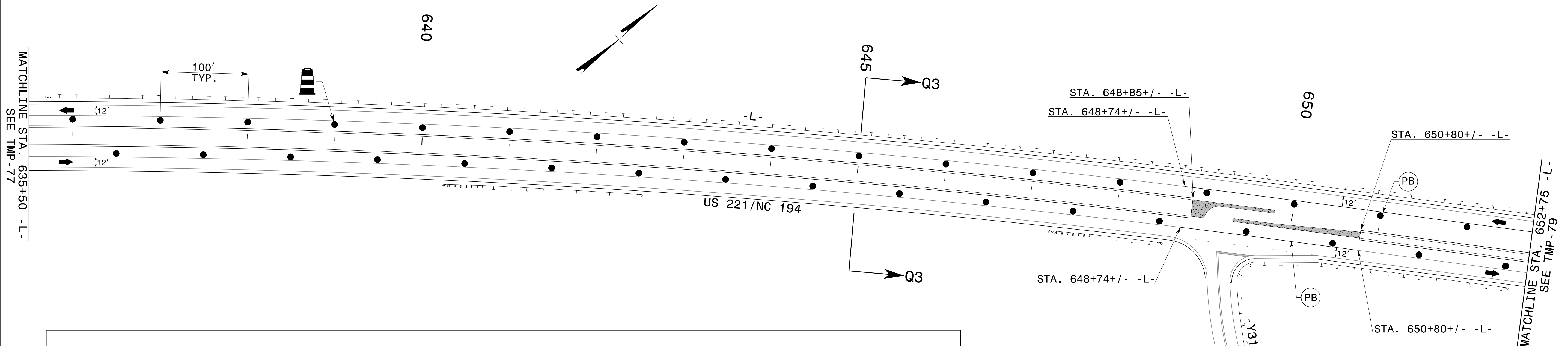


PHASE III DETAILS

**TEMPORARY PAVEMENT MARKING LEGEND**

(PB) PAINT - YELLOW EDGELINE - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.



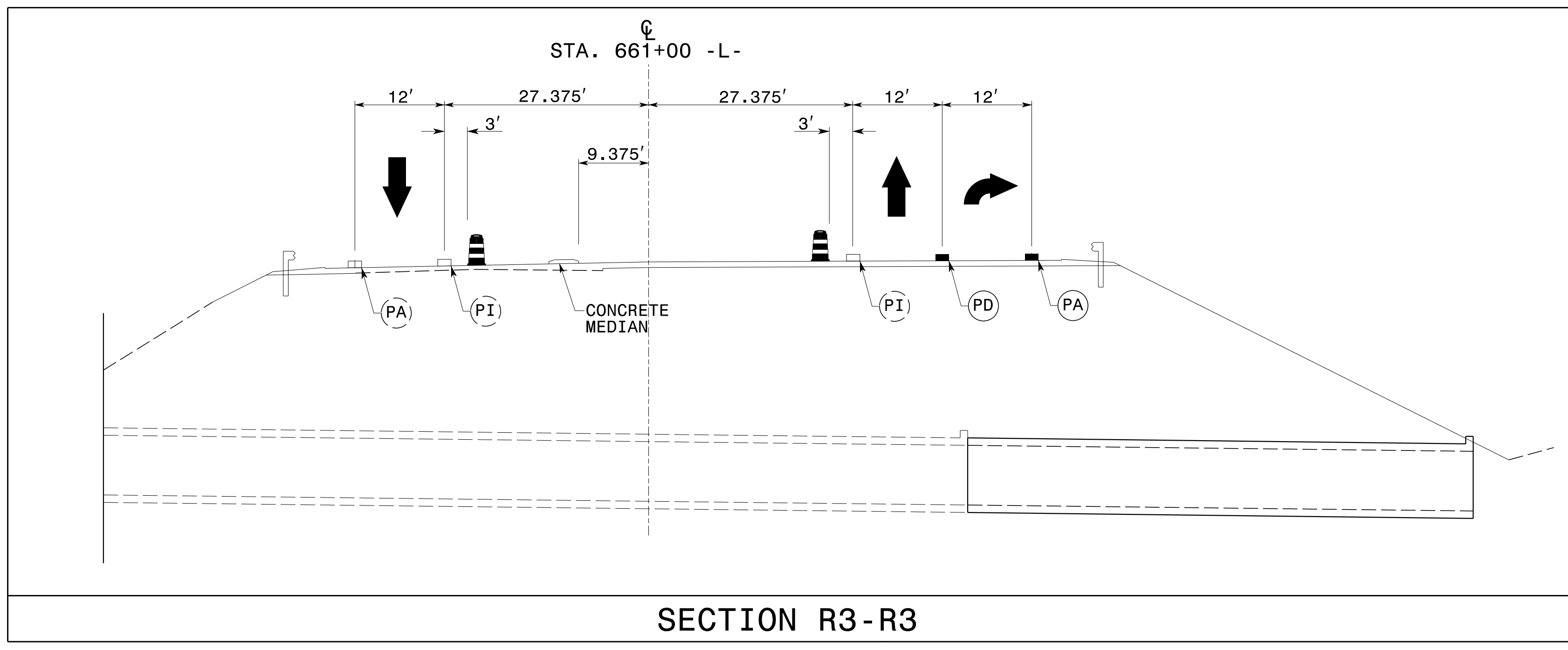
APPROVED: *J. W. Woolard* DATE: 10/30/2014

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DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
ZONE TRAFFIC CONTROL

**PHASE III DETAILS**

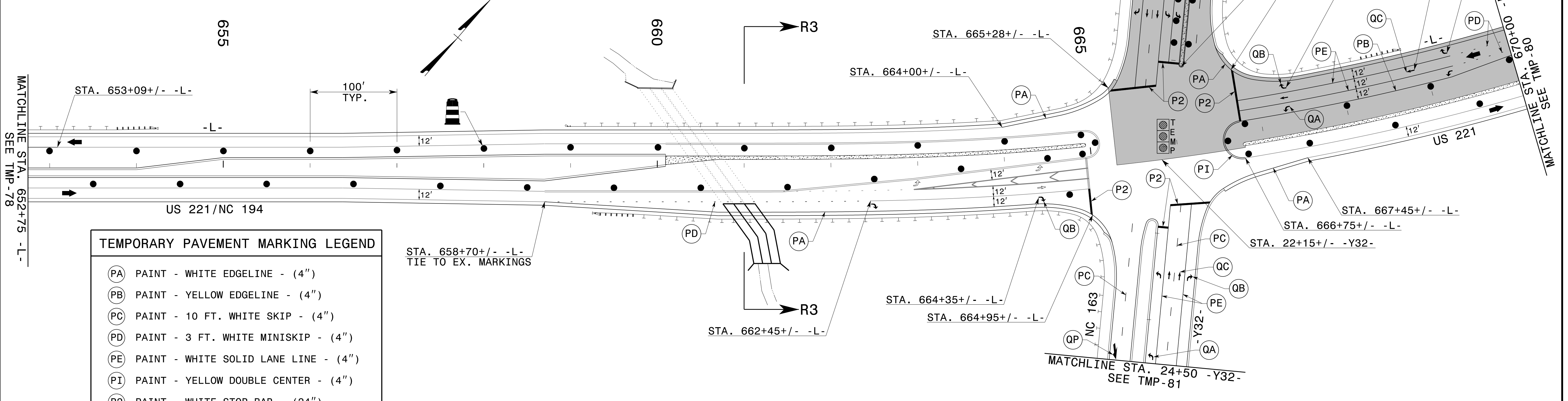
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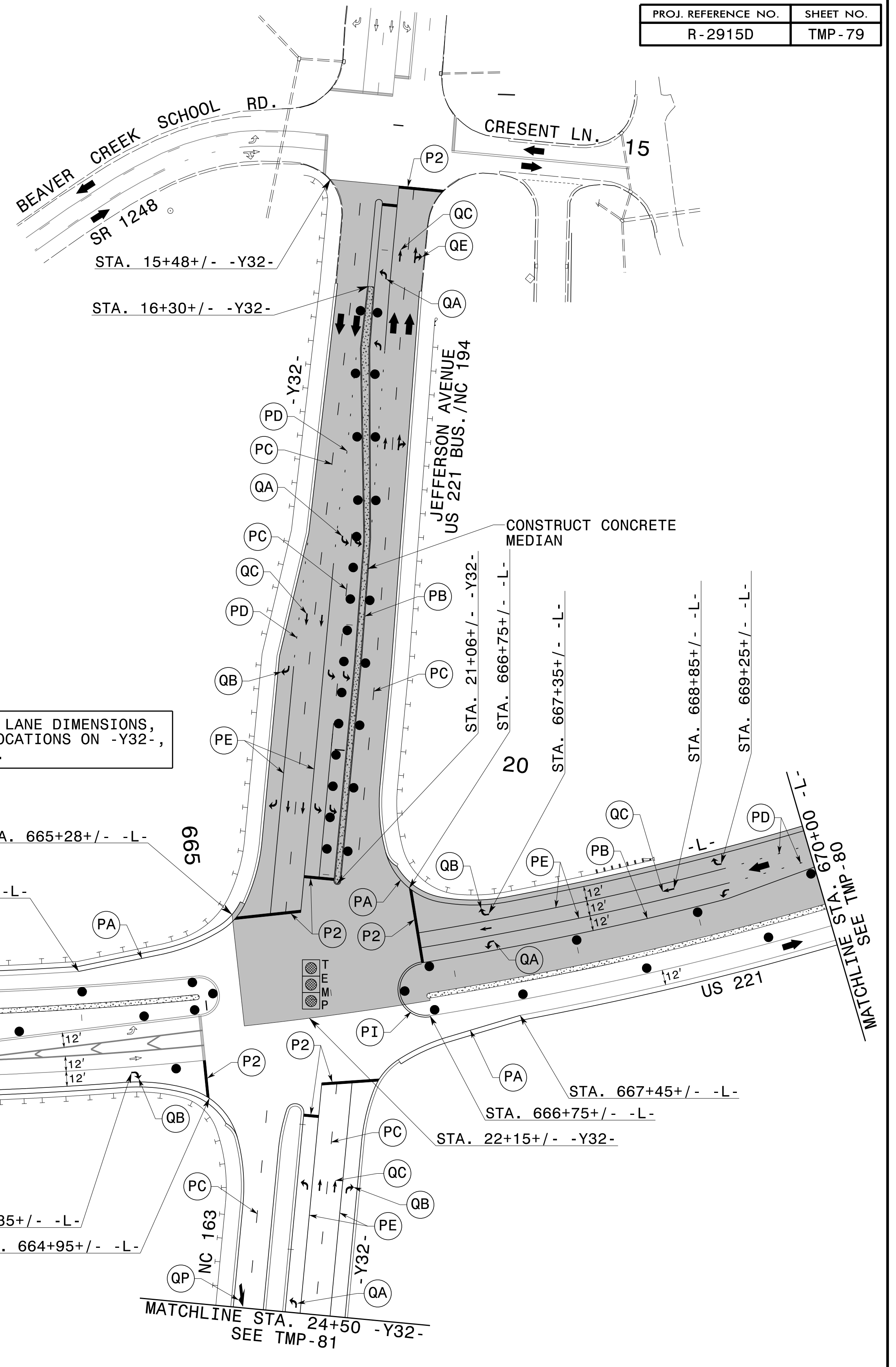
SECTION R3-R3

REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

NOTE: FOR PAVEMENT MARKING STATIONING, LANE DIMENSIONS, STOP BAR LOCATIONS, AND SYMBOL LOCATIONS ON -Y32-, SEE FINAL PAVEMENT MARKING PLANS.



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PC)	PAINT - 10 FT. WHITE SKIP - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT ARROW
(QB)	PAINT - RIGHT ARROW
(QC)	PAINT - STRAIGHT ARROW
(QE)	PAINT - COMBO. RIGHT/STRAIGHT ARROW
(QP)	PAINT - MERGE ARROW

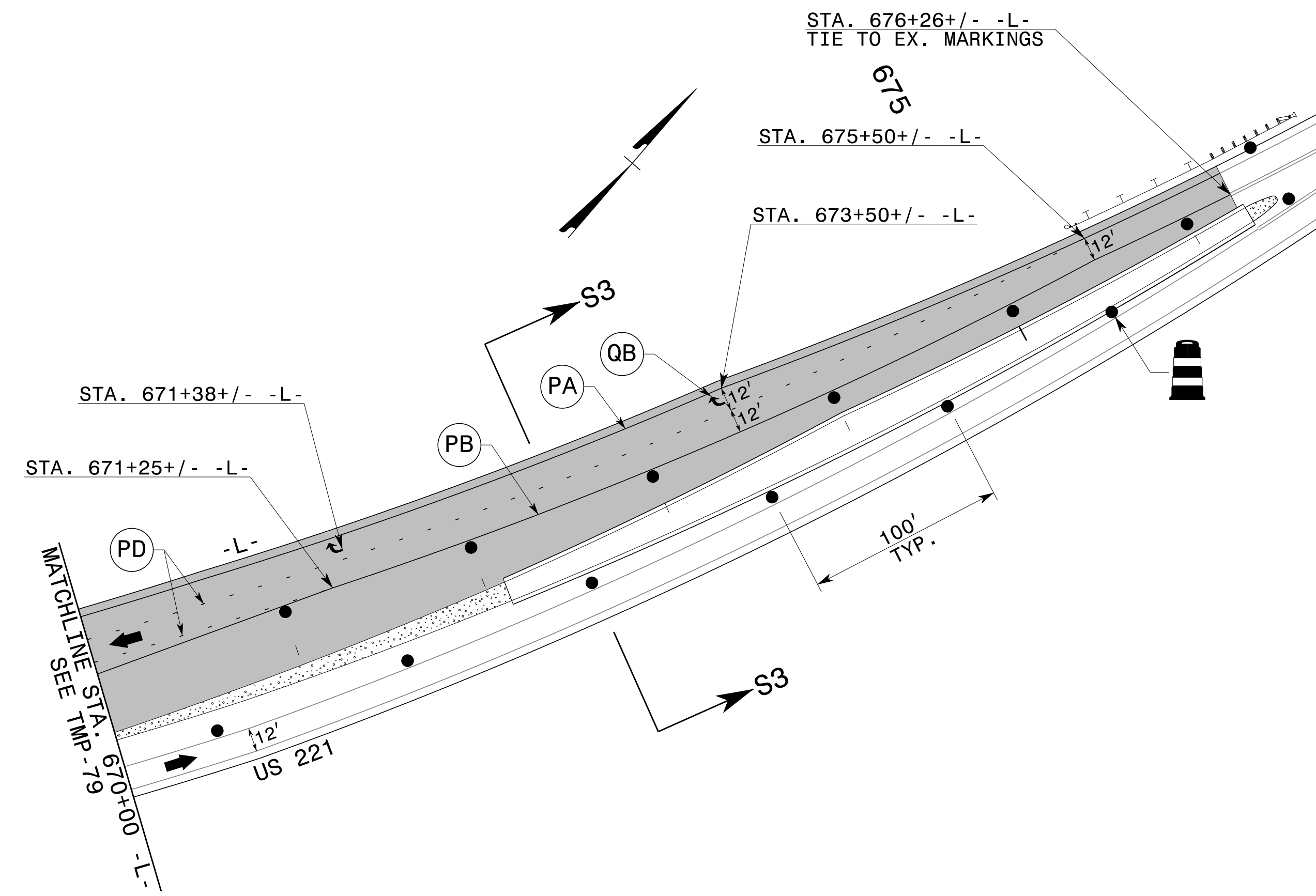
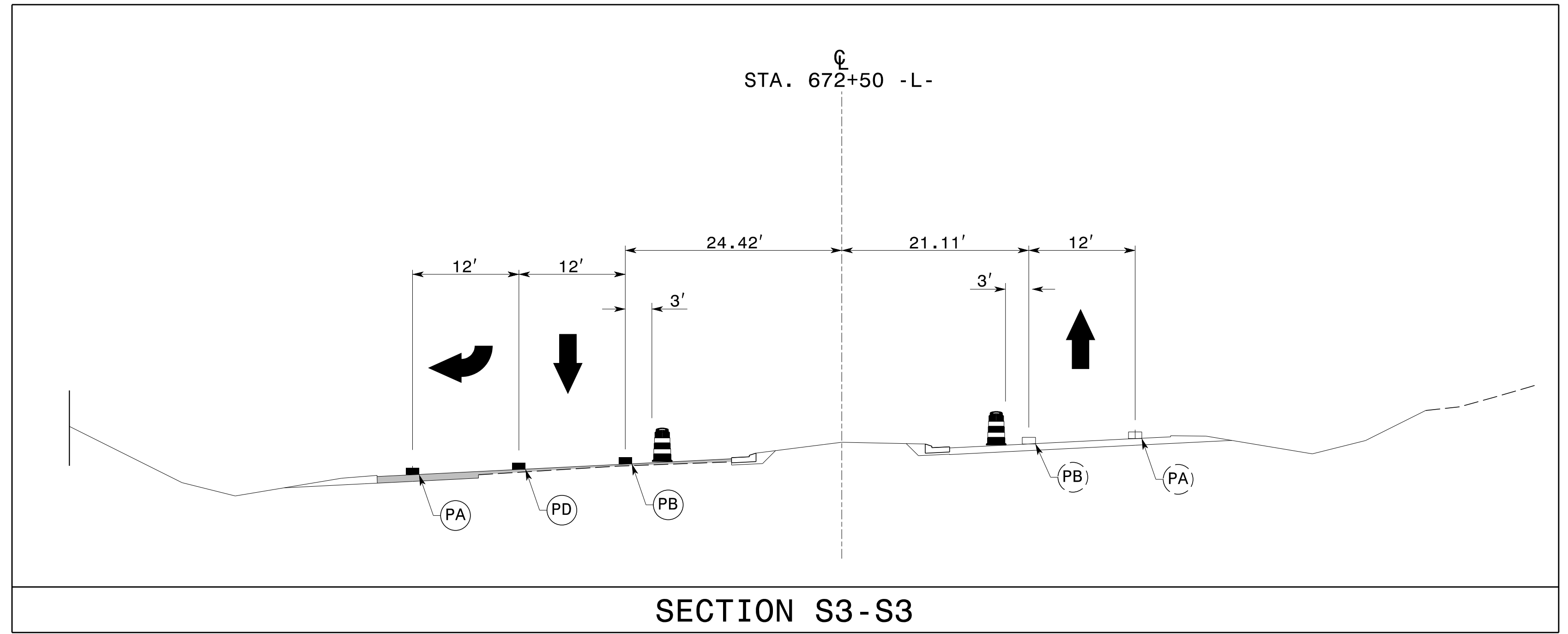


APPROVED: *J. W. Woolard, Jr.* DATE: 11/7/2014  
 SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 19862  
 J. W. WOOLARD, JR.



PHASE III DETAILS

11/7/2014 p:\t\p\projects-r\2915d\traffic\trafficcontrol\cp\R2915D\_TC\_Ph3\_TMP79.dgn User:scodts



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(QB)	PAINT - RIGHT ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

11/7/2014 p:\tip\projects-r\2915d\trafficcontrol\cp\R2915D\_TC\_PH3\_TMP80.dgn User:scodts

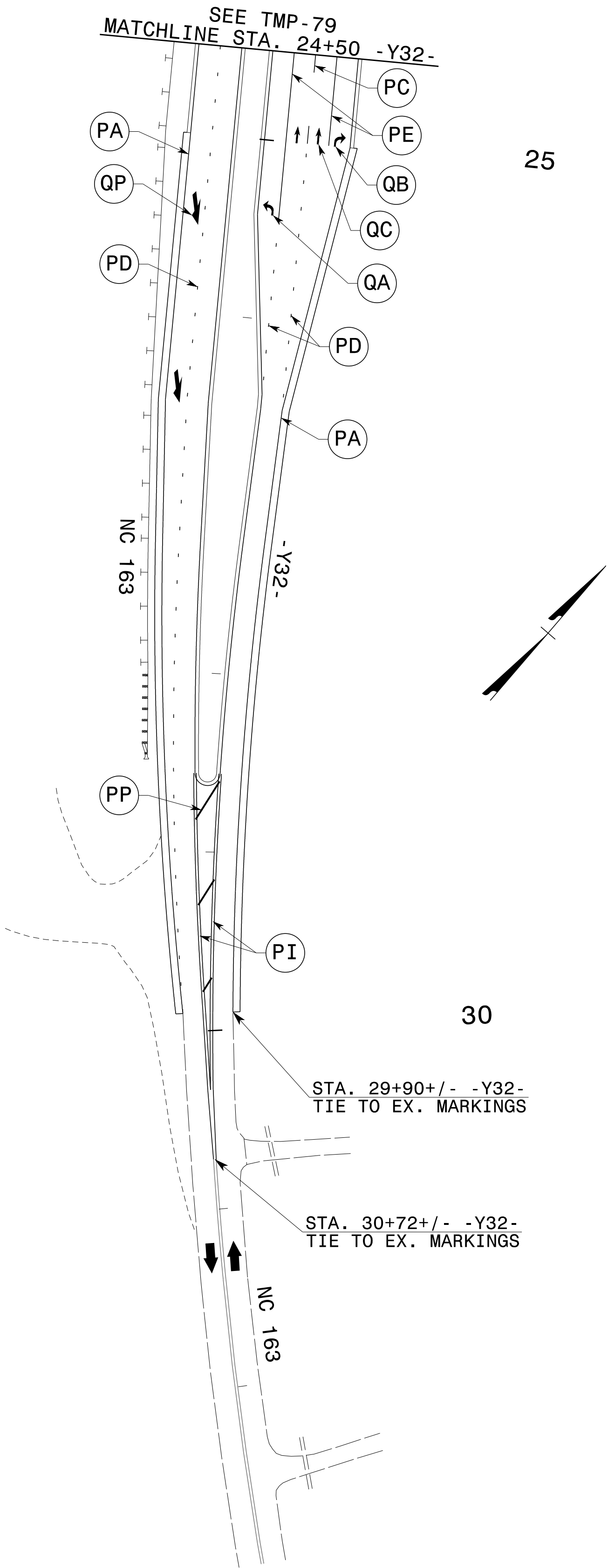
APPROVED: *J. W. Woolard, Jr.* DATE: 11/7/2014

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PHASE III DETAILS

NOTE: FOR PAVEMENT MARKING STATIONING, LANE DIMENSIONS, STOP BAR LOCATIONS, AND SYMBOL LOCATIONS ON -Y32-, SEE FINAL PAVEMENT MARKING PLAN.



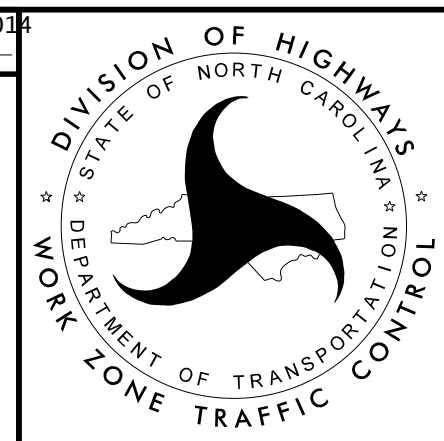
TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PC)	PAINT - 10 FT. WHITE SKIP - (4")
(PD)	PAINT - 3 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(PP)	PAINT - YELLOW DIAGONAL - (8")
(QA)	PAINT - LEFT ARROW
(QB)	PAINT - RIGHT ARROW
(QC)	PAINT - STRAIGHT ARROW
(QP)	PAINT - MERGE ARROW

REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

10/24/2014  
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 User:scodts

APPROVED: *J. W. Woolard* DATE: 10/30/2014

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PHASE III DETAILS