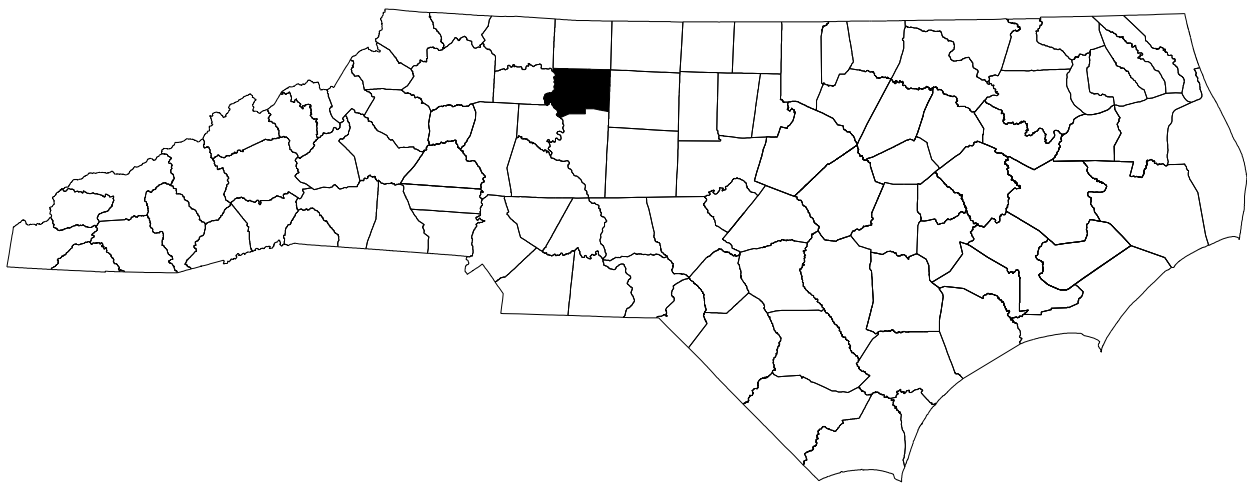


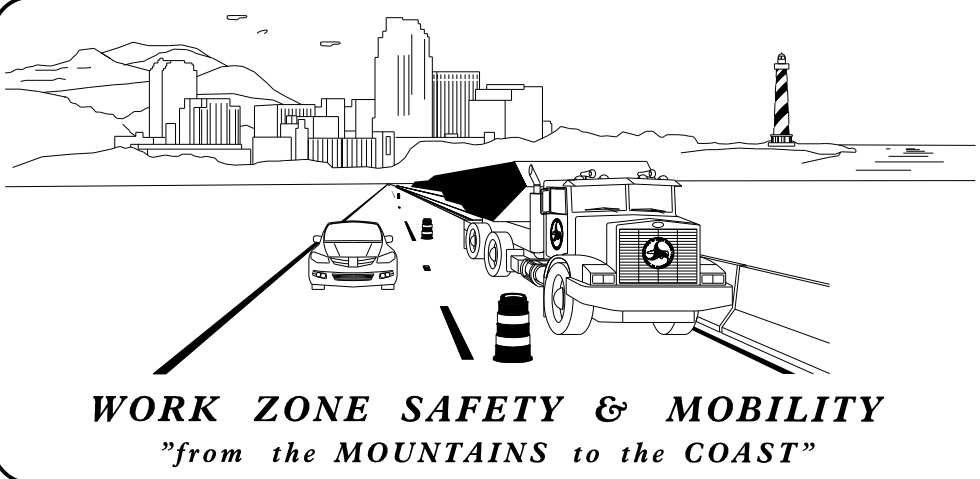
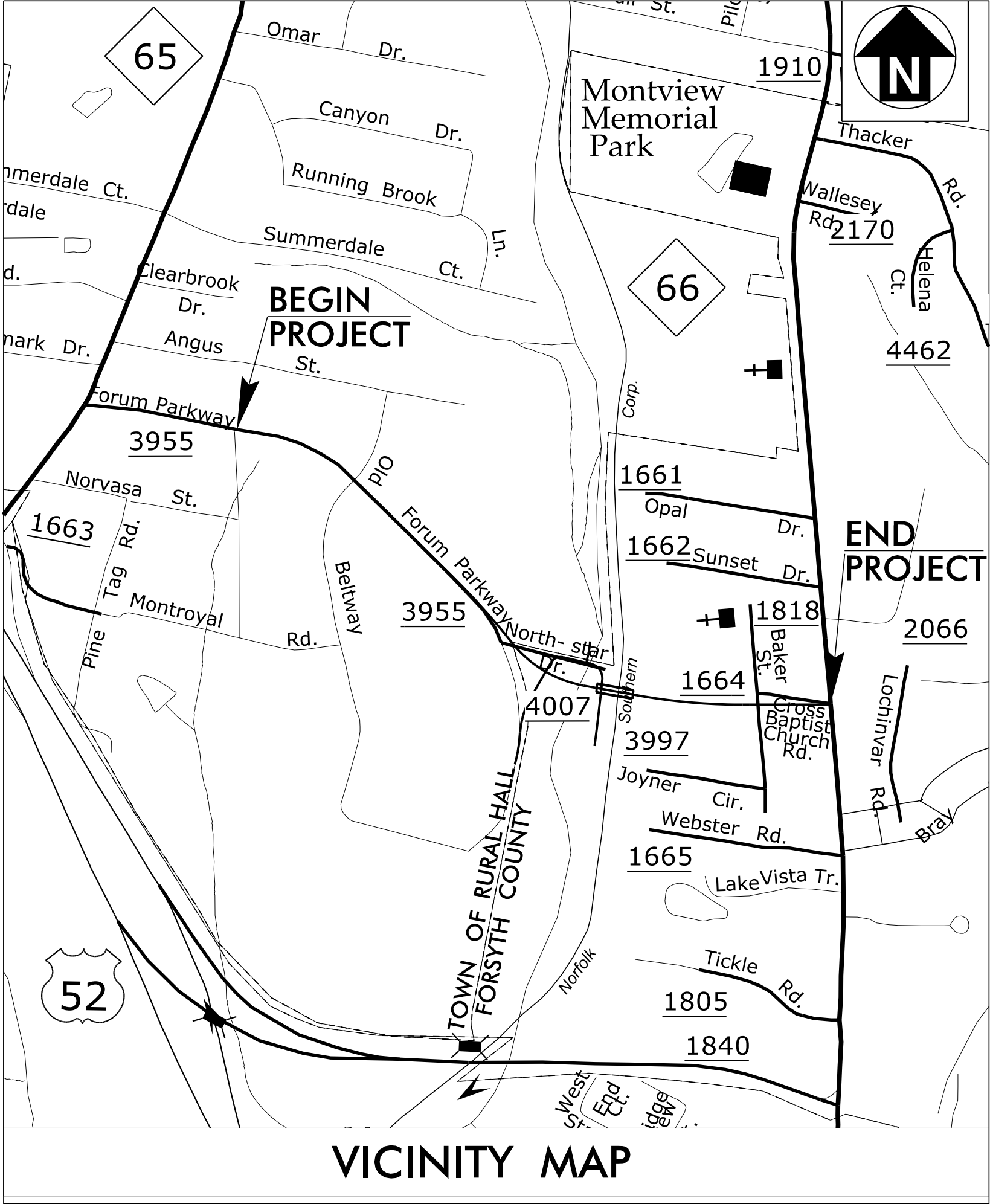
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN
FORSYTH COUNTY



LOCATION: FORUM PARKWAY CONNECTOR FROM SR 3955 (FORUM PARKWAY) TO NC 66 (UNIVERSITY PARKWAY) IN RURAL HALL

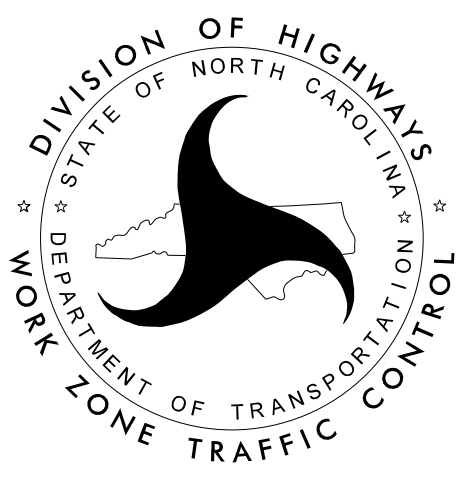


PLANS PREPARED BY:

LORI D. STOUCHKO, PE
PRINCIPAL PROJECT ENGINEER

NCDOT CONTACTS:

CONNIE JAMES, PE
PROJECT DESIGN ENGINEER



INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-2 - TMP-2A	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, AND GENERAL NOTES)
TMP-3 - TMP-3A	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4 - TMP-6A	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
TMP-7 - TMP-7A	TEMPORARY TRAFFIC CONTROL PHASE II DETAIL
TMP-8 - TMP-8A	TEMPORARY TRAFFIC CONTROL PHASE III DETAIL
TMP-9 - TMP-11	TEMPORARY TRAFFIC CONTROL PHASE IV DETAIL

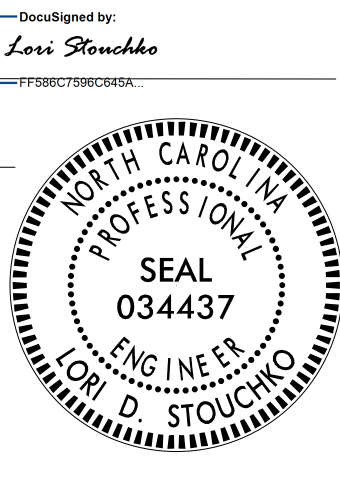
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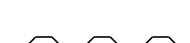
ROADWAY STANDARD DRAWINGS

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

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES - TYPE III
1150.01	FLAGGERS
1160.01	TEMPORARY CRASH CUSHION - REFLECTIVE END TREATMENT
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
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
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

LEGEND

GENERAL

-  DIRECTION OF TRAFFIC FLOW
-  DIRECTION OF PEDESTRIAN TRAFFIC FLOW
-  EXIST. PVMT.
-  NORTH ARROW
-  PROPOSED PVMT.
-  TEMP. SHORING (LOCATION PURPOSES ONLY)









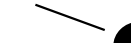


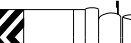

SIGNALS

-  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

- PAINT 4"

P1 WHITE EDGELINE

P2 WHITE SOLID LANE LINE


P3 10 FT. WHITE SKIP


P4 3 FT.-9FT./SP WHITE MINISKIP

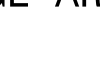
P5 2 FT.-6FT./SP WHITE MINISKIP

P10 YELLOW EDGELINE

P13 YELLOW DOUBLE CENTER
- PAINT MARKING SYMBOL

 LEFT TURN ARROW

 RIGHT TURN ARROW

 MERGE ARROW


- PAINT 8"

P42 YELLOW DIAGONAL

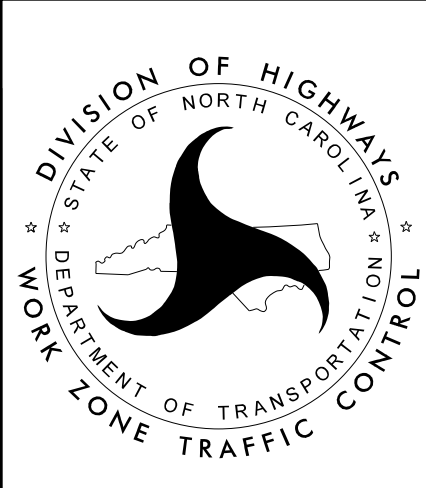
- PAINT 24"

P61 WHITE STOPBAR

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ROADWAY STANDARD
DRAWINGS & LEGEND

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MANAGEMENT STRATEGIES

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

RECOMMENDED STRATEGIES:

TRAFFIC MANAGEMENT STRATEGIES:

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

GENERAL NOTES / LOCAL NOTES

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

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

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
NC 66 UNIVERSITY PRKWY	MONDAY THRU FRIDAY 7:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM

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

ROAD NAME

ANY ROADS

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 AM DECEMBER 31ST TO 7:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 PM THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 7:00 AM THURSDAY AND 7:00 PM MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 AM FRIDAY TO 7:00 PM TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 7:00 PM THE DAY AFTER INDEPENDENCE DAY.

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

- FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 AM FRIDAY AND 7:00 PM TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 AM TUESDAY TO 7:00 PM MONDAY.

- FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
SR 4007 (NORTHSTAR DR)	MONDAY THRU SUNDAY 7:00 AM TO 11:00 PM	30 MIN GIRDER INSTALLATION

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 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 WITHIN 5 FT OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 10 FT OF AN OPEN TRAVEL LANE ON A DIVIDED FACILITY, 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.

PROJ. REFERENCE NO.	SHEET NO.
U-5899	TMP-2

PLANS PREPARED FOR THE NCDOT BY:

M MOTT MACDONALD I & E, LLC
930 Main Campus Drive
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NC LICENSE NO. F-0669

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GENERAL NOTES / CONTINUED

- J) 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.
- K) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON NC 66.
- L) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON SR 3955.
- M) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- N) 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.
- O) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 200 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA ON SR 1818, SR 1664, SR 3955, AND BAKER ST.
- P) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA ON NC 66.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- R) 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.
- S) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
- T) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
- U) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- V) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 200 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER ON SR 1818, SR 1664, SR 3955, AND BAKER ST.
- W) 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 ON NC 66.

TRAFFIC BARRIER

- X) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE / RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

- Y) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO 1101.05)

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45 - 50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

TRAFFIC CONTROL DEVICES

- Z) 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.
- AA) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- BB) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
ALL	PAINT	TEMPORARY RAISED

- DD) 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.

- EE) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

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

- GG) TRACE THE EXISTING AND PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO REMOVAL AND INSTALLATION. PLACE DRUMS TO DELINEATE ANY EXISTING AND PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL AND BEFORE INSTALLATION.

MISCELLANEOUS

- HH) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 200 FT AND 400 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- II) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

PROJ. REFERENCE NO.	SHEET NO.
U-5899	TMP-2A

PLANS PREPARED FOR THE NCDOT BY:
M MOTT MACDONALD I & E, LLC
930 Main Campus Drive
Suite 200
RALEIGH, NC 27606
M MOTT MACDONALD
NC LICENSE NO. F-0669

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PHASING

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT NO PONDING OF WATER WILL OCCUR WITHIN THE TRAVEL LANE.

COMPLETE PAVING UP TO, BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE, UNTIL STATED TO PLACE FINAL LAYER IN WRITTEN PHASING OR AS DIRECTED BY ENGINEER.

PLACE TEMPORARY PAVEMENT MARKING EDGELINE AT LOCATIONS WHERE EXISTING CURB AND GUTTER IS REMOVED DURING WIDENING OF ROADWAY.

SEE TMP-6 FOR TEMPORARY DRAINAGE INFORMATION FOR CONSTRUCTION OF -Y3-.

MAINTAIN CLOSURE OF PROPOSED ROADWAYS WITH TYPE III BARRICADES AND BARRICADE MOUNTED SIGNS AS SHOWN IN THE PHASING OR AS DIRECTED BY THE ENGINEER.

UPON SHIFTING TRAFFIC FROM EXISTING TO PROPOSED ROADWAYS, MAINTAIN CLOSURE OF EXISTING ROADWAYS WITH TYPE III BARRICADES AND BARRICADE MOUNTED SIGNS AS SHOWN IN THE PHASING OR AS DIRECTED BY THE ENGINEER.

USE RSD 1101.03, SHEET 8 OF 9 FOR NIGHT TIME SHORT TERM ROAD CLOSURES ON SR 4007 (NORTHSTAR DR).

PHASE I

STEP 1

- A. USING RSD 1101.01, SHEET 3 OF 3, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON -L- AND ALL -Y- LINES.
- B. AWAY FROM TRAFFIC BEGIN CONSTRUCTION OF THE FOLLOWING:
- L- FROM STA 26+00+/- TO STA 31+00+/- (TMP-4 AND TMP-5)
 - L- FROM PROPOSED CENTER BENT 1 OF PROPOSED STRUCTURE TO STA 42+00+/- (TMP-5 AND TMP-6)
 - Y1- FROM -L- TO STA 12+00+/- (TMP-5)
 - Y2- FROM -L- TO STA 10+50+/- (TMP-5)

NOTE: PHASE I STEP 2 MAY BE COMPLETED CONSTRUCTED CONCURRENTLY WITH PHASE I STEPS 3 AND 4

STEP 2

- A. USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, CONSTRUCT TEMPORARY PAVEMENT ON THE LEFT SIDE OF EXISTING NORTHSTAR DR (SR 4007) FROM STA 14+64.8+/- TO STA 17+27+/- AS SHOWN ON TMP-5
- B. USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, PLACE TEMPORARY PAVEMENT MARKINGS ON -Y2- AND SHIFT TRAFFIC AS SHOWN ON TMP-5
- C. USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, PLACE TEMPORARY PORTABLE CONCRETE BARRIER AND CRASH CUSHIONS ON -Y2- AS SHOWN ON TMP-5
- D. BEHIND BARRIER BEGIN CONSTRUCTION OF END BENT 1
- E. BEHIND BARRIER COMPLETE CONSTRUCTION OF RETAINING WALL AT END BENT 1, PROPOSED BARRIER, AND GUARDRAIL
- F. USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, REMOVE TEMPORARY PORTABLE CONCRETE BARRIER AND CRASH CUSHIONS ON -Y2-
- G. REPLACE TEMPORARY PAVEMENT MARKINGS TO ORIGINAL PATTERN ON -Y2- AND SHIFT TRAFFIC TO ORIGINAL PATTERN
- H. USING SHORT TERM ROAD CLOSURES OF NORTHSTAR DR (SR 4007) AS NEEDED AND/OR DIRECTED BY ENGINEER BEGIN INSTALLATION OF GIRDERS OVER NORTHSTAR DR (SR 4007) AND BEGIN CONSTRUCTION OF PROPOSED STRUCTURE FROM END BENT 1 TO BENT 1 (COMPLETE END BENT 1 PRIOR TO BEGINNING INSTALLATION OF GIRDERS)

STEP 3

- USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, BEGIN CONSTRUCTION OF THE FOLLOWING:
- LEFT SIDE OF -L- FROM STA 19+00+/- TO STA 26+00+/- AS SHOWN ON TMP-4.
MAINTAIN A GAP IN THE LEFT SIDE CURB AND GUTTER FROM STA 25+20+/- TO STA 25+80+/- AND WEDGE EXISTING NORTHSTAR DR (SR 4007) AS NEEDED TO MAINTAIN EXISTING TRAFFIC TO FORUM PKWY (SR 3955)
 - RIGHT SIDE OF -L- FROM STA 25+30+/- TO STA 26+00+/- AS SHOWN ON TMP-4
 - -Y1- ON THE LEFT SIDE OF EXISTING FORUM PKWY (SR 3955) FROM STA 12+16+/- TO STA 13+50+/- AS SHOWN ON TMP-5
 - -Y1- FROM STA 12+00+/- TO 12+16+/- (TMP-5)
 - -Y2- FROM STA 10+50+/- TO STA 12+53+/- UP TO THE EDGE OF EXISTING NORTHSTAR DRIVE AS SHOWN ON TMP-5
 - THE RIGHT SIDE OF -Y3- FROM STA 10+75+/- TO -L- AS SHOWN ON TMP-6
 - TEMPORARY PAVEMENT BETWEEN -Y3- AND EXISTING BAPTIST CHURCH RD AS SHOWN ON TMP-6
 - THE RIGHT SIDE OF -Y3A- FROM -L- TO STA 13+78+/- AS SHOWN ON TMP-6
 - -L- FROM STA 42+00+/- TO -Y3-/-Y3A- AS SHOWN ON TMP-6
 - -Y4- FROM STA 32+98+/- TO STA 36+81+/- AS SHOWN ON TMP-6
 - LEFT SIDE OF -Y4 FROM STA 36+81+/- TO STA 38+73+/- AS SHOWN ON TMP-6

STEP 4

- USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, CONSTRUCT THE FOLLOWING:
- A. CONSTRUCT TEMPORARY PAVEMENT ON THE OUTSIDE EDGE OF EXISTING CROSS BAPTIST CHURCH RD (SR 1818) FROM -L- STA 46+00+/- TO EXISTING NC 66 (-Y4-) AS SHOWN ON TMP-6
- B. PLACE TEMPORARY PAVEMENT MARKINGS ON EXISTING CROSS BAPTIST CHRUCH RD (SR 1818) AND TEMPORARY PAVEMENT AND SHIFT TRAFFIC TO NEW TEMPORARY PATTERN AS SHOWN ON TMP-6
- C. BEGIN CONSTRUCTION OF THE FOLLOWING:
- RIGHT SIDE OF -L- FROM STA 43+00+/- TO -Y4- AS SHOWN ON TMP-6
 - RIGHT SIDE OF -Y4- FROM STA 37+30+/- TO STA 38+73+/-

- COMPLETE CONSTRUCTION OF THE FOLLOWING:
- THE RIGHT SIDE OF -Y3- FROM STA 10+75+/- TO -L- AS SHOWN ON TMP-6
 - TEMPORARY PAVEMENT BETWEEN -Y3- AND EXISTING BAPTIST CHURCH RD AS SHOWN ON TMP-6
 - THE RIGHT SIDE OF -Y3A- FROM -L- TO STA 13+78+/- AS SHOWN ON TMP-6
 - -L- FROM STA 42+00+/- TO -Y3-/-Y3A- AS SHOWN ON TMP-6

PHASE II


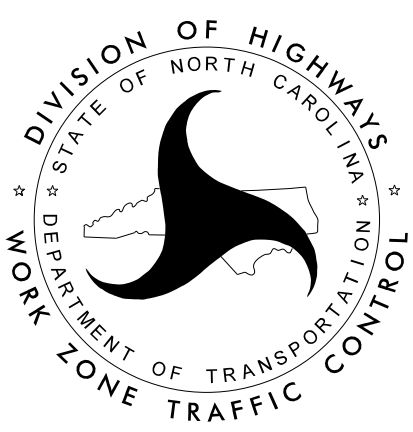
STEP 1

- USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, COMPLETE THE FOLLOWING:
- PLACE TEMPORARY PAVEMENT MARKINGS ON -Y3-, -Y3A- AND ON TEMPORARY PAVEMENT AS SHOWN ON TMP-7
 - SHIFT TRAFFIC TO NEW TEMPORARY PATTERN SHOWN ON TMP-7
 - CLOSE EXISTING -Y3A- TO TRAFFIC USING TEMPORARY TYPE III BARRICADES AND TEMPORARY BARRICADE MOUNTED SIGNS

STEP 2

USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, CONSTRUCT -L- FROM -Y3-/-Y3A- TO STA 43+00+/-

- USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, COMPLETE CONSTRUCTION OF THE FOLLOWING:
- RIGHT SIDE OF -L- FROM STA 43+00+/- TO -Y4- AS SHOWN ON TMP-7
 - RIGHT SIDE OF -Y4- FROM -L- TO STA 38+73+/- AS SHOWN ON TMP-7

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PHASE III

STEP 1

USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, PERFORM THE FOLLOWING:

- PLACE TEMPORARY PAVEMENT MARKINGS ON -L-, -Y3-, AND -Y3A- AS SHOWN ON TMP-8
- REMOVE TEMPORARY TYPE III BARRICADES FROM PROPOSED -Y3-, -Y3A-, AND -Y4-
- SHIFT TRAFFIC TO PHASE II PATTERN AS SHOWN ON TMP-8
- CLOSE EXISTING CROSS BAPTIST CHURCH RD (SR 1818), CROSS BAPTIST CHURCH RD (SR 1664) AND BAKER ST WITH TYPE III BARRICADES AND BARRICADE MOUNTED SIGNS
- MAINTAIN CLOSURE OF PROPOSED -L- AT STA 42+00+/- WITH TYPE III BARRICADES AND BARRICADE MOUNTED SIGNS
- MAINTAIN A TEMPORARY ALL WAY STOP AT THE INTERSECTION OF -L- AND -Y3-/-Y3A-

STEP 2

USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, CONSTRUCT THE FOLLOWING:

- LEFT SIDE OF -L- FROM -Y3- TO -Y4- AS SHOWN ON TMP-8
- LEFT SIDE OF -Y3- FROM STA 10+75+/- TO -L- AS SHOWN ON TMP-8
- LEFT SIDE OF -Y3A- FROM -L- TO STA 13+78+/- AS SHOWN ON TMP-8
- RIGHT SIDE OF -Y4- FROM ST 35+77+/- TO -L- AS SHOWN ON TMP-8

USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, COMPLETE CONSTRUCTION OF THE FOLLOWING:

- LEFT SIDE OF -L- FROM STA 19+00+/- TO STA 26+00+/- AS SHOWN ON TMP-4 AND TMP-5. MAINTAIN A GAP IN THE LEFT SIDE CURB AND GUTTER FROM STA 25+30+/- TO STA 25+80+/- AND WEDGE EXISTING NORTHSTAR DR (SR 4007) AS NEEDED TO MAINTAIN EXISTING TRAFFIC TO FORUM PKWY (SR 2955)
- RIGHT SIDE OF -L- FROM STA 25+30+/- TO STA 26+00+/- AS SHOWN ON TMP-4
- -Y1- ON THE LEFT SIDE OF EXISTING FORUM PKWY (SR 3955) FROM STA 12+16+/- TO STA 13+50+/- AS SHOWN ON TMP-5
- -Y1- FROM STA 12+00+/- TO 12+16+/- (TMP-5)
- -Y2- FROM STA 10+50+/- TO STA 12+53+/- AT EXISTING NORTHSTAR DRIVE AS SHOWN ON TMP-5
- -Y4- FROM STA 32+98+/- TO STA 35+81+/- (TMP-8)
- LEFT SIDE OF -Y4- FROM STA 35+81+/- TO STA 38+73+/- (TMP-8)

USING SHORT TERM ROAD CLOSURES AS NEEDED AND/OR DIRECTED BY ENGINEER OF NORTHSTAR DR (SR 4007) COMPLETE INSTALLATION OF GIRDERS OVER NORTHSTAR DR (SR 4007)

AWAY FROM TRAFFIC COMPLETE THE FOLLOWING:

- -L- FROM STA 26+00+/- TO STA 42+00+/- INCLUDING PROPOSED STRUCTURE (TMP-4, TMP-5 AND TMP-8)
- -Y1- FROM -L- TO STA 12+00+/- (TMP-5)
- -Y2- FROM -L- TO STA 10+50+/- (TMP-5)

PHASE IV

STEP 1

USING RSD 1101.02, SHEETS 1,3 AND 7 OF 19 AND FLAGGERS AS NEEDED, PERFORM THE FOLLOWING:

- PLACE TEMPORARY PAVEMENT MARKINGS ON -Y4- TO MATCH FINAL PAVEMENT MARKING PATTERN
- PLACE TEMPORARY PAVEMENT MARKINGS ON -Y3-, AND -Y3A- AS SHOWN ON TMP-11
- PLACE TEMPORARY PAVEMENT MARKINGS ON -L- FROM STA 39+30+/- TO -Y4- AS SHOWN ON TMP-11
- PLACE TEMPORARY PAVEMENT MARKINGS ON -L- AS SHOWN ON TMP-9 AND TMP-10
- PLACE TEMPORARY PAVEMENT MARKINGS ON -Y1- AND -Y2- AS SHOWN ON TMP-10
- SHIFT TRAFFIC INTO PHASE III TRAFFIC PATTERN ON -L-, -Y1-, -Y2-, -Y3-, -Y3A-, AND -Y4- AS SHOWN ON TMP-9 THRU TMP-11

STEP 2

USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, PERFORM THE FOLLOWING

- CONSTRUCT RIGHT SIDE OF -L- FROM STA 19+00+/- TO STA 25+34+/- AS SHOWN ON TMP-9
- CONSTRUCT LEFT SIDE OF -L- FROM STA 25+20+/- TO STA 25+80+/- AS SHOWN ON TMP-9
- REMOVE EXISTING PAVEMENT OF SR 4007 AS SHOWN ON TMP-9 AND TMP-10 AND SR 3955 AS SHOWN ON TMP-9 AND TMP-10
- CONSTRUCT PROPOSED MONOLITHIC ISLAND ON -L- FROM STA 42+94+/- TO STA 46+80+/- AS SHOWN ON TMP-11

PHASE V

STEP 1

USING RSD 1101.02, SHEETS 3 AND 7 OF 19 AS NEEDED, RESURFACE AND PLACE FINAL PAVEMENT MARKINGS ON EXISTING FORUM PARKWAY (SR 3955) FROM, -EY8- STA 10+00 TO BEGINNING OF -L- AT -L- STA 19+00+/- (SEE ROADWAY DETAILS)

STEP 2

USING RSD 1101.02, SHEETS 1, 3 AND 7 OF 19 AND FLAGGERS AS NEEDED:

- PLACE FINAL LAYER OF SURFACE COURSE ON -L-, -Y1-, -Y2-, -Y3-, -Y3A, AND -Y4- .
- PLACE FINAL PAVEMENT MARKINGS AS SHOWN IN FINAL PAVEMENT MARKING PLANS

USING RSD 1101.02, SHEET 1 OF 19 AND FLAGGERS AS NEEDED, MILL AND FILL EXISTING -Y4- STA 38+73+/- TO STA 45+50+/- (SEE ROADWAY DETAILS)

STEP 3

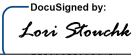


REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES

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U-5899	TMP-3A

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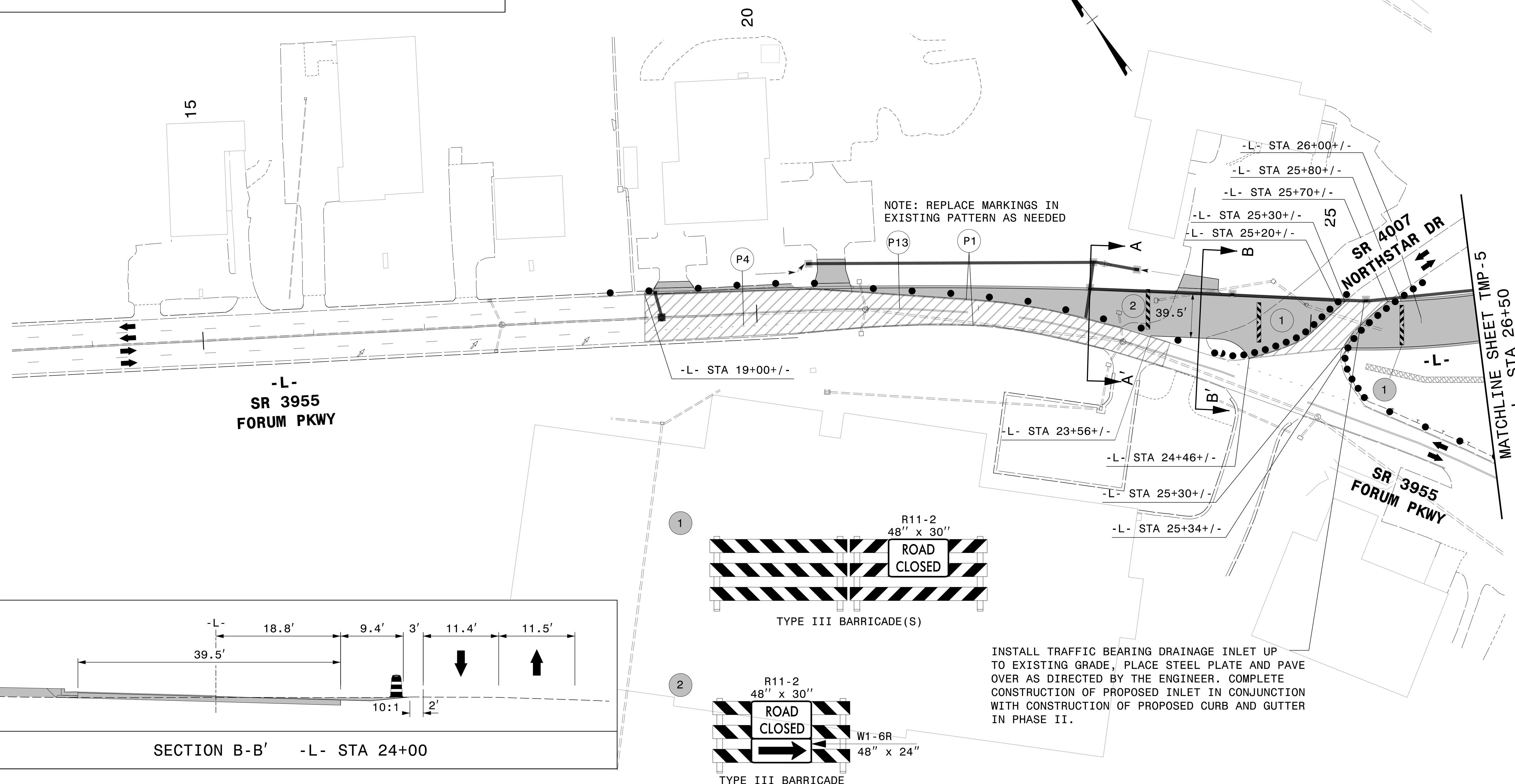
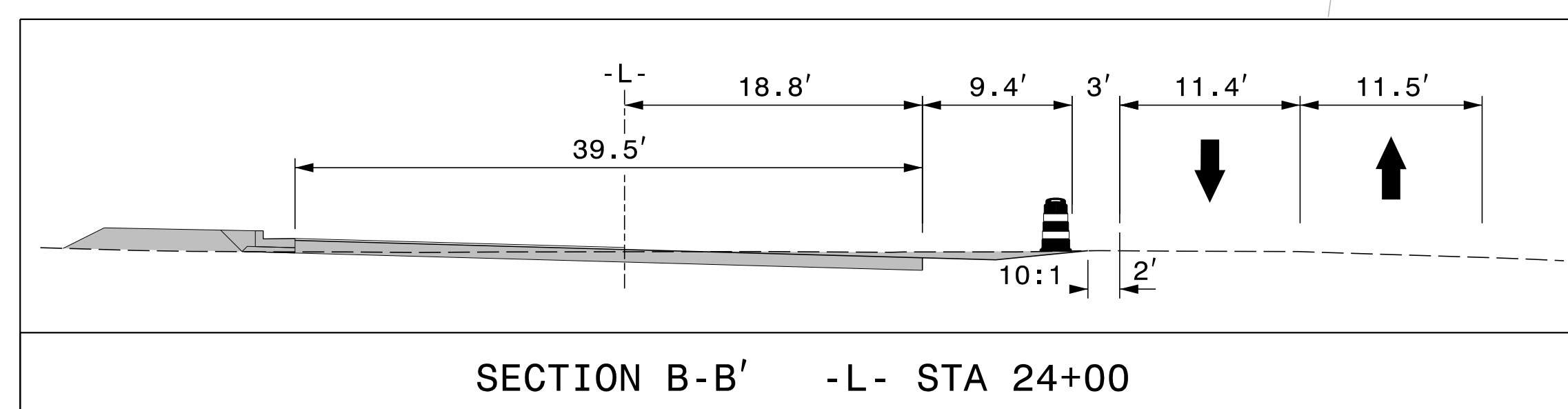
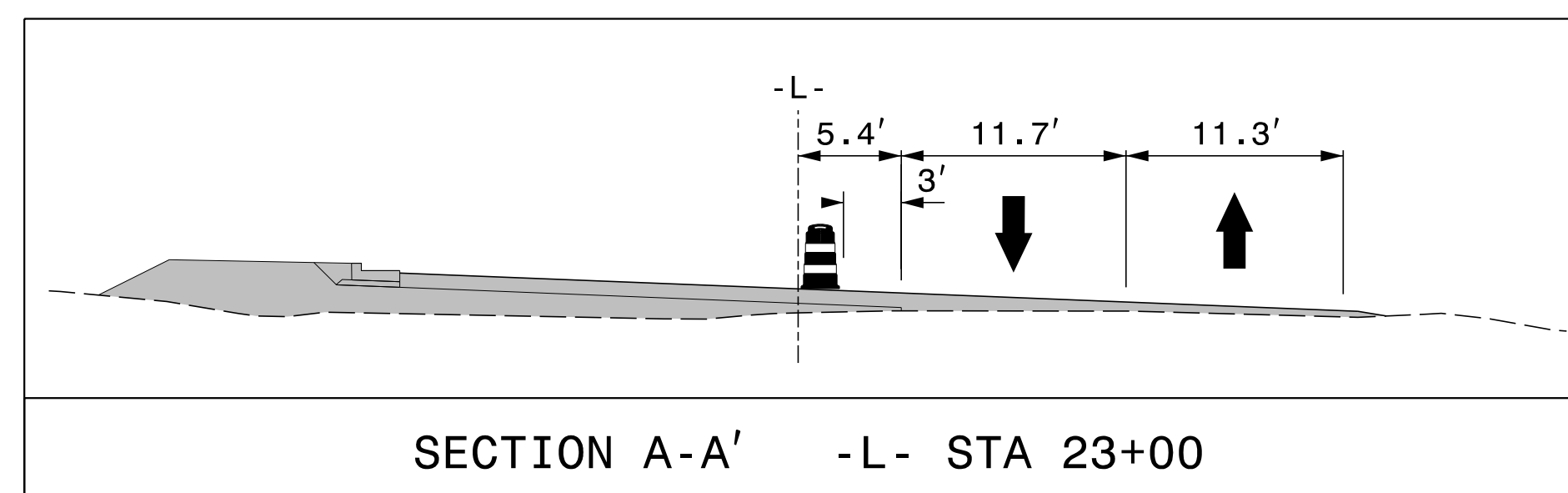
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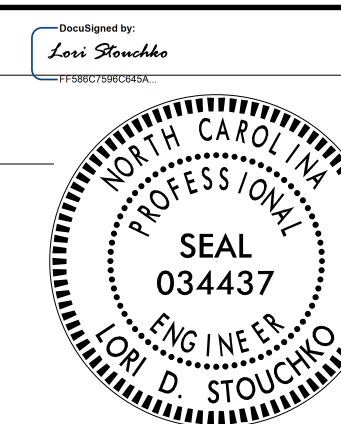
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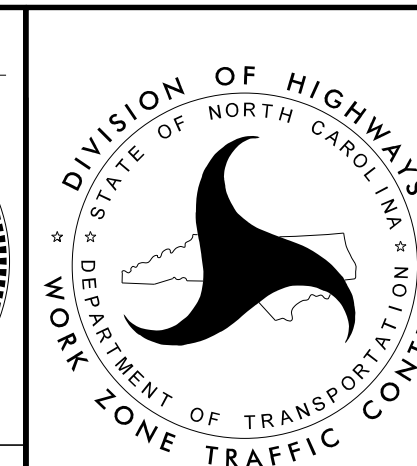
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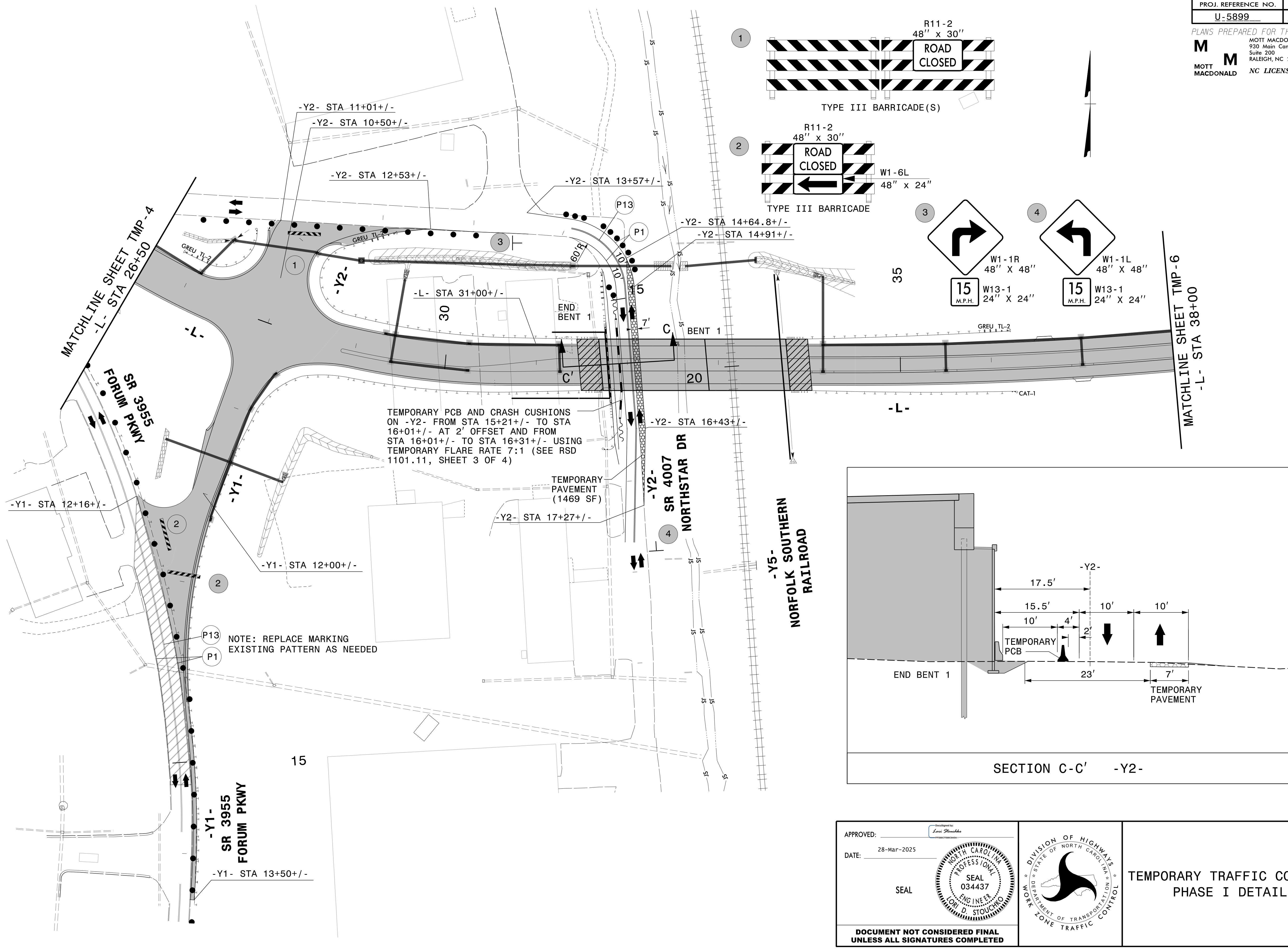


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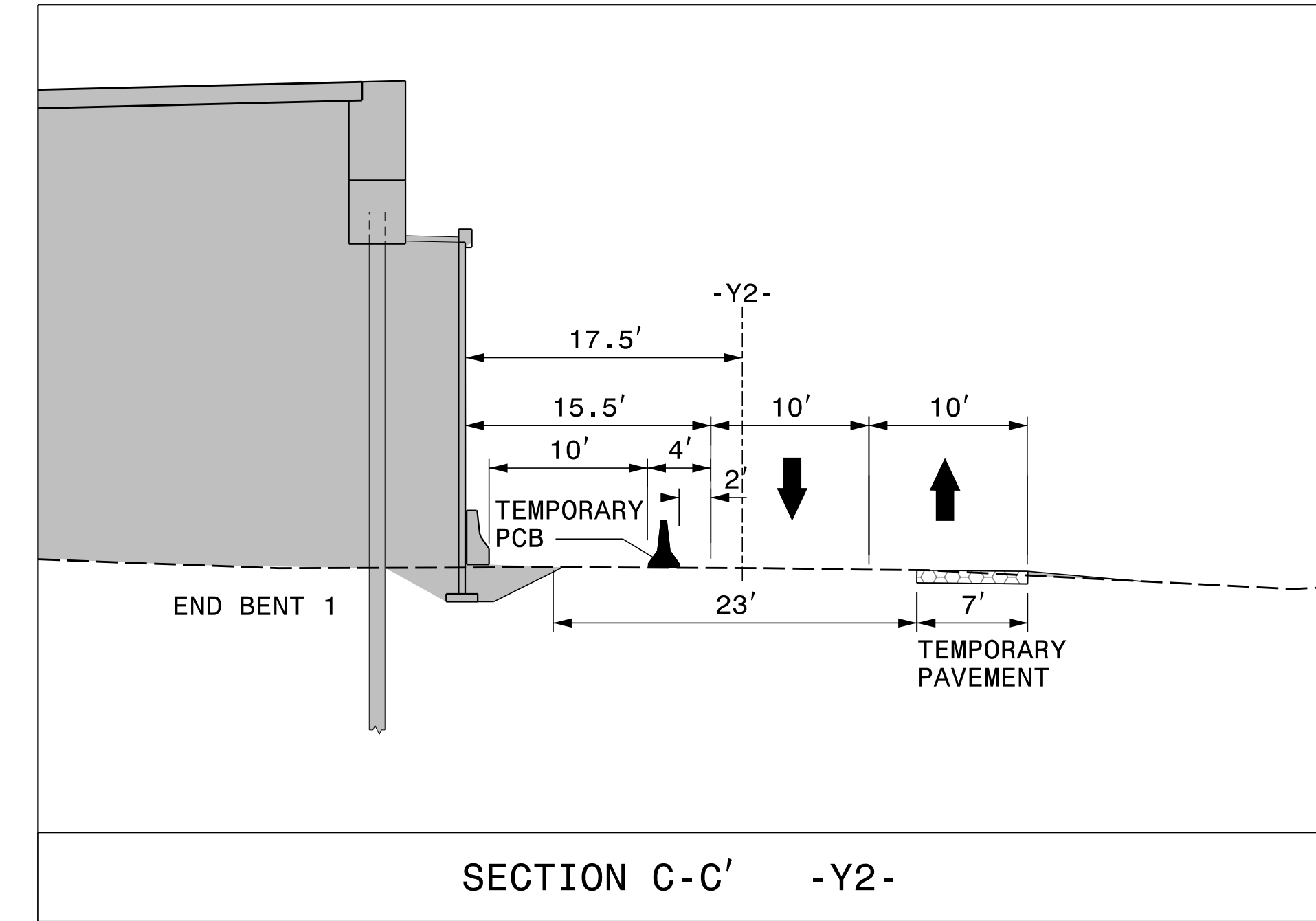
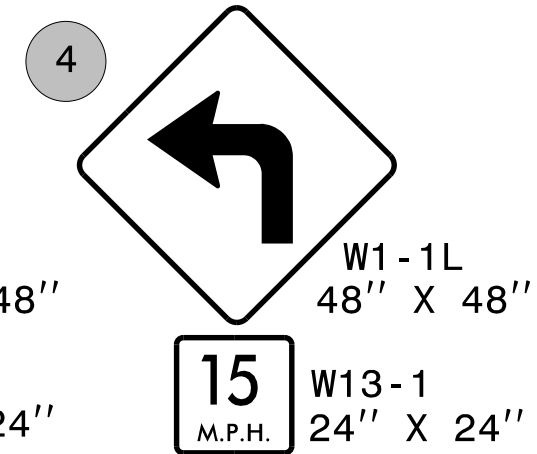
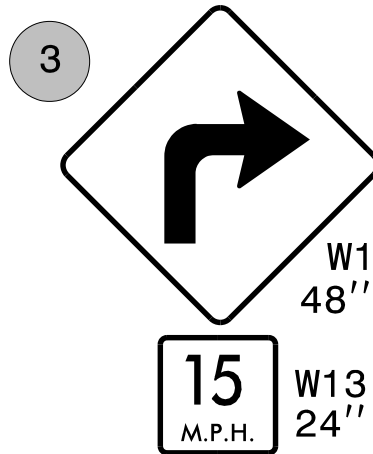
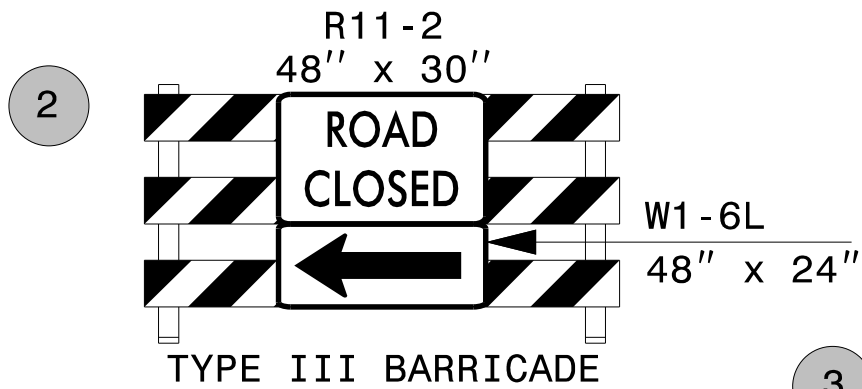
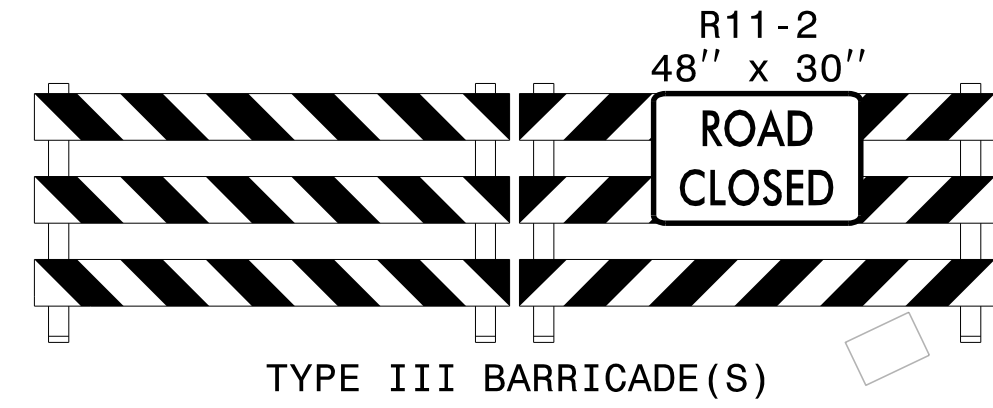
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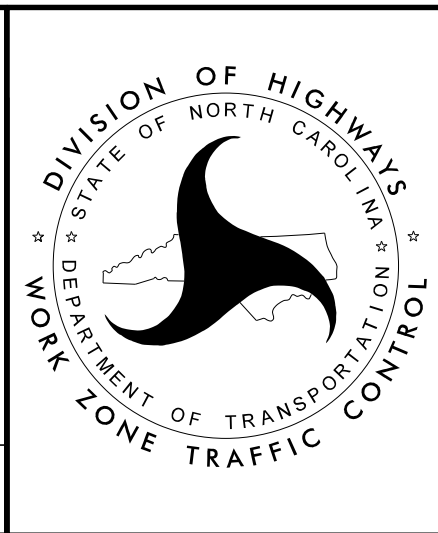
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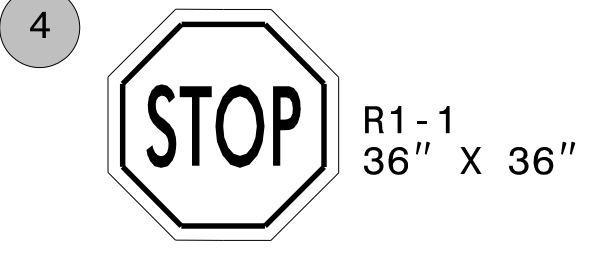
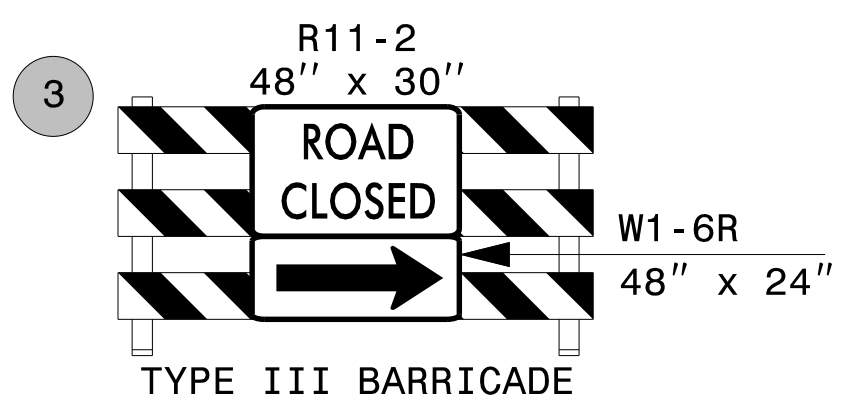
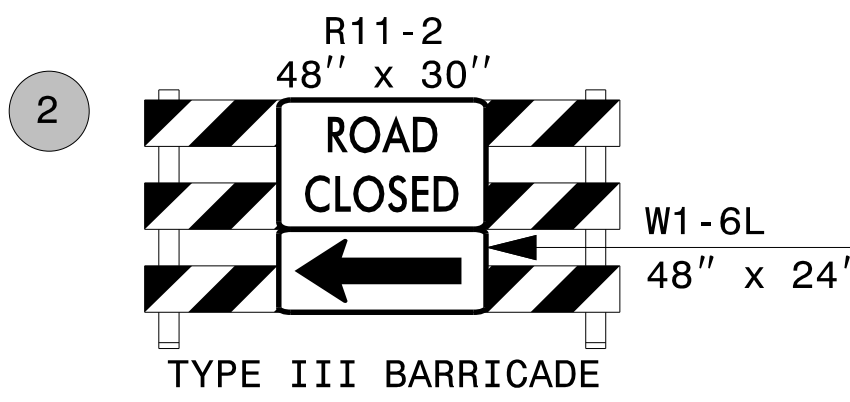
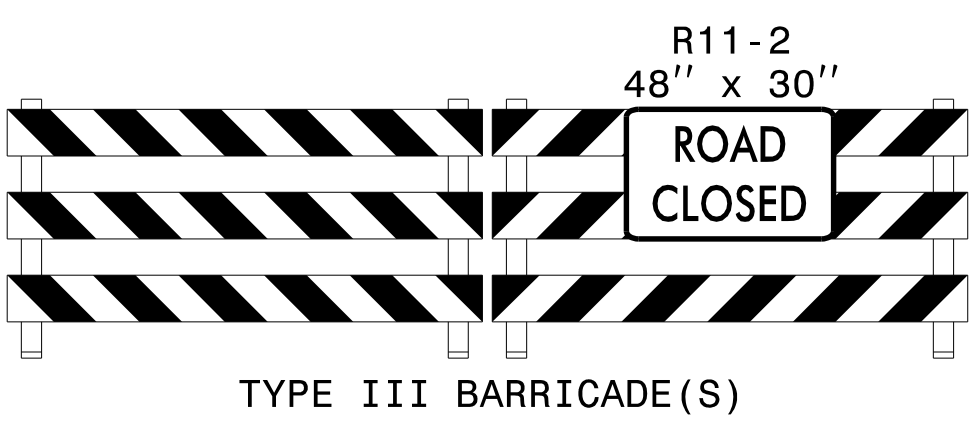
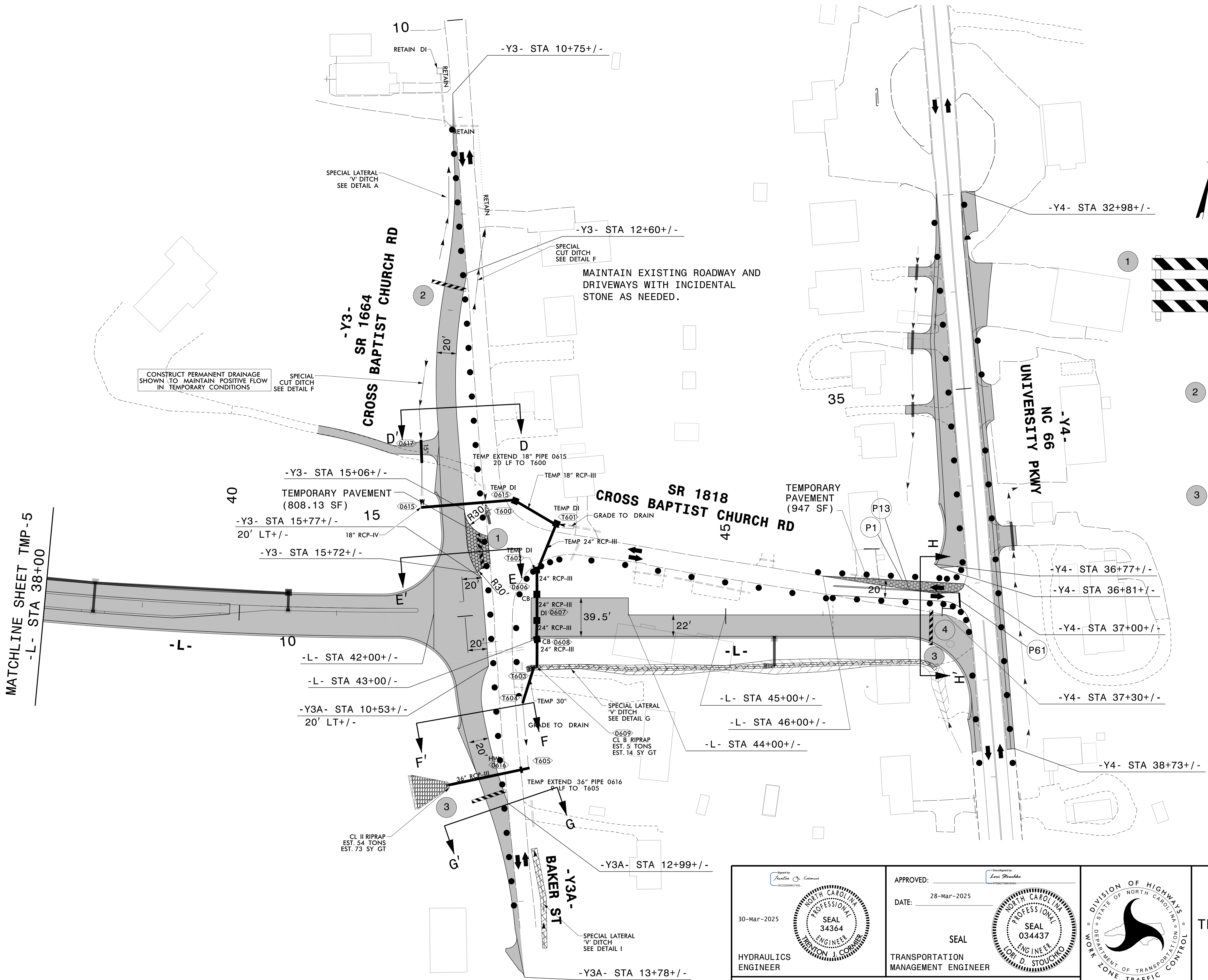
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TEMPORARY TRAFFIC CONTROL
PHASE I DETAIL

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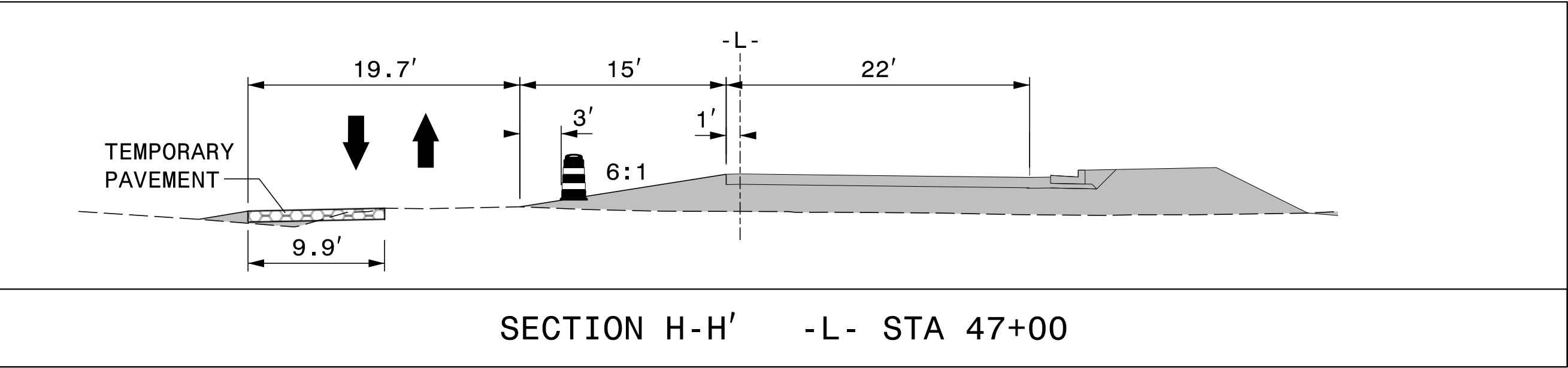
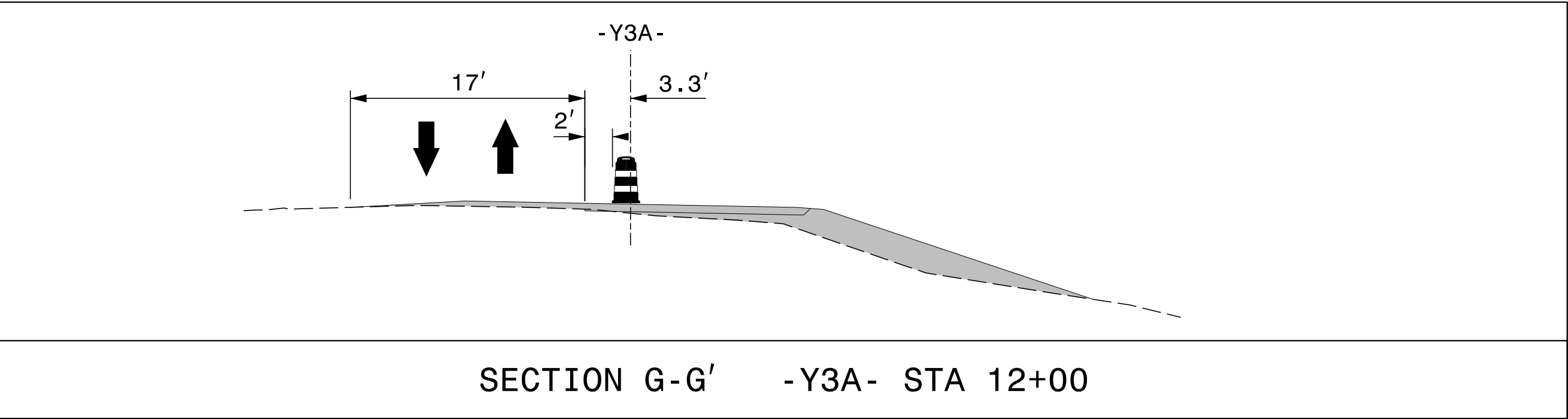
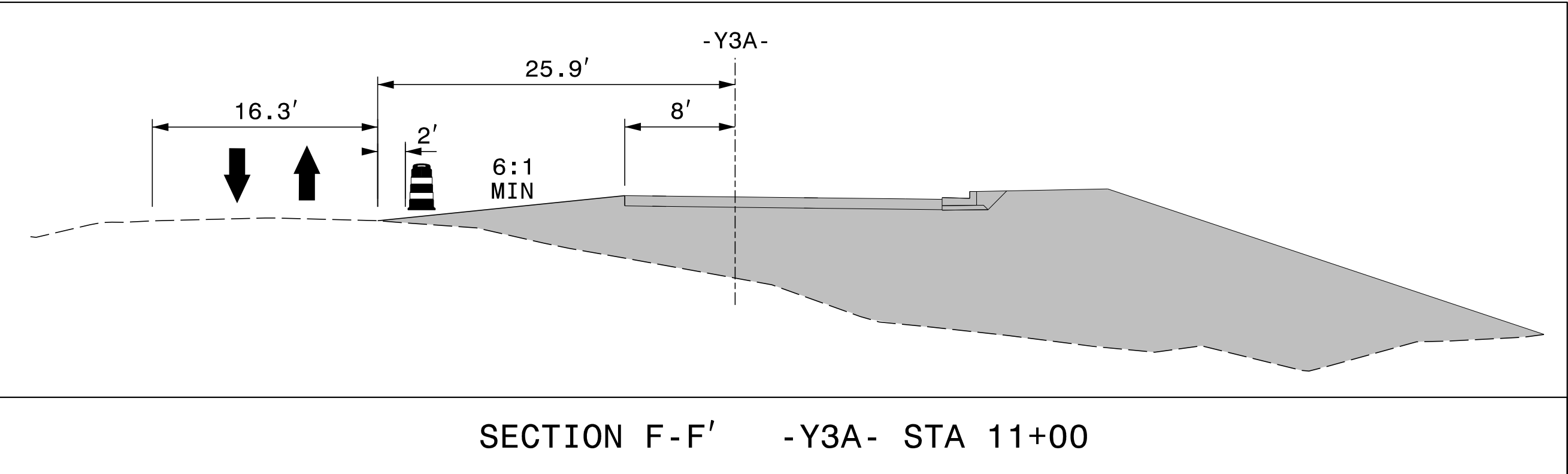
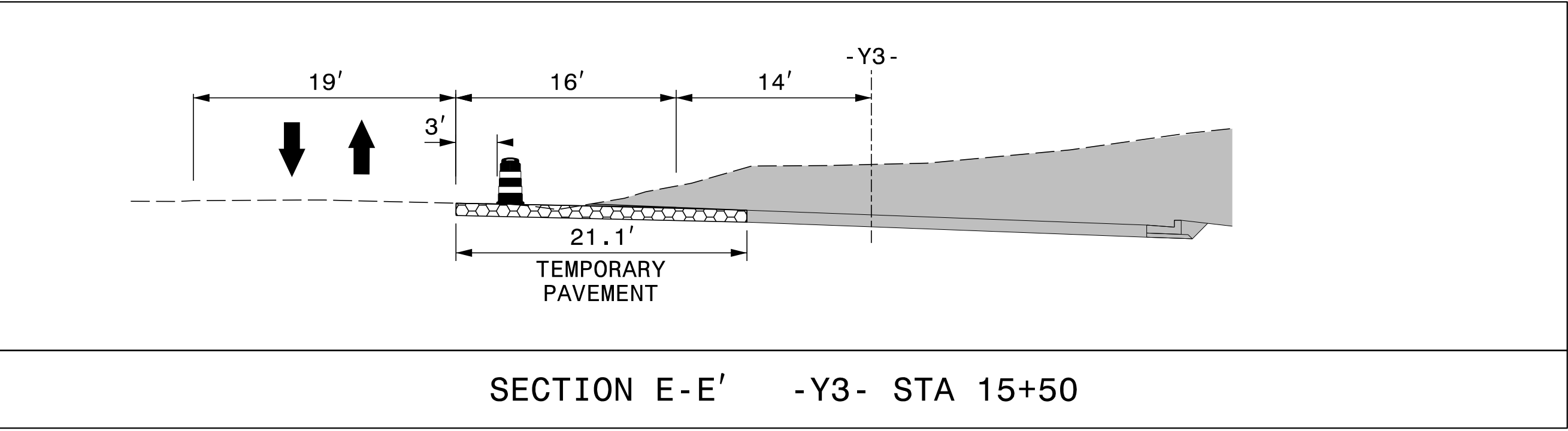
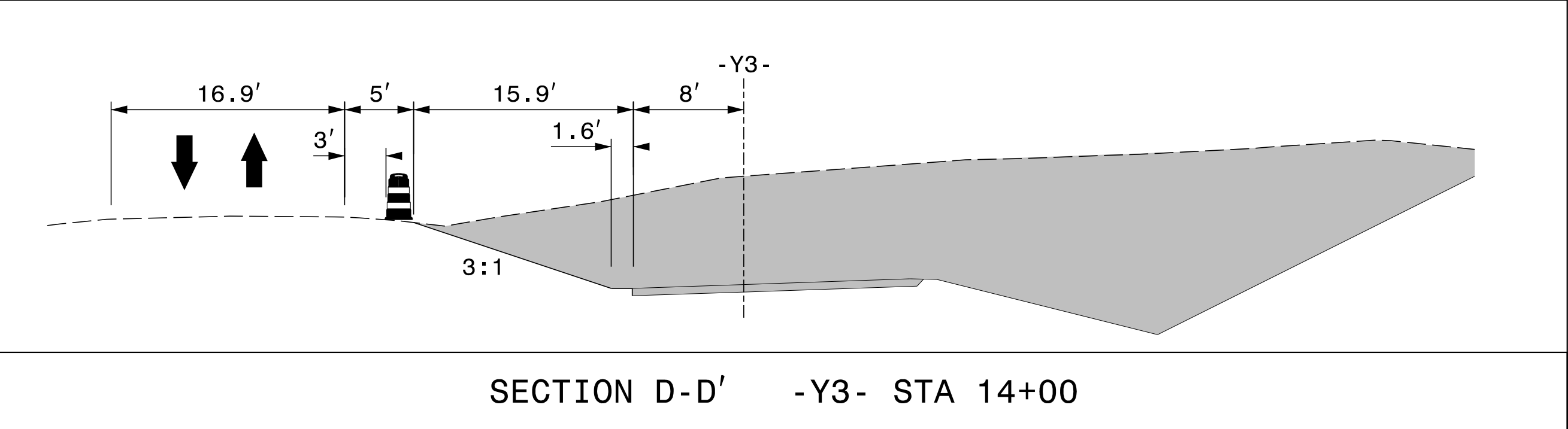
SEE SHEET TMP-6A
FOR SECTIONS

TEMPORARY TRAFFIC CONTROL
PHASE I DETAIL

<p>30-Mar-2025</p> <p>HYDRAULICS ENGINEER</p>	<p>APPROVED: _____</p> <p>DATE: 28-Mar-2025</p> <p>SEAL</p> <p>TRANSPORTATION MANAGEMENT ENGINEER</p>	<p>30-Mar-2025</p> <p>HYDRAULICS ENGINEER</p>	<p>APPROVED: _____</p> <p>DATE: 28-Mar-2025</p> <p>SEAL</p> <p>TRANSPORTATION MANAGEMENT ENGINEER</p>	<p>30-Mar-2025</p> <p>HYDRAULICS ENGINEER</p>
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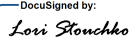
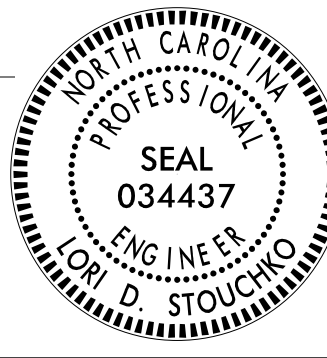
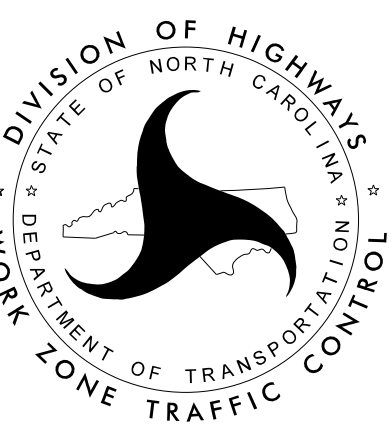
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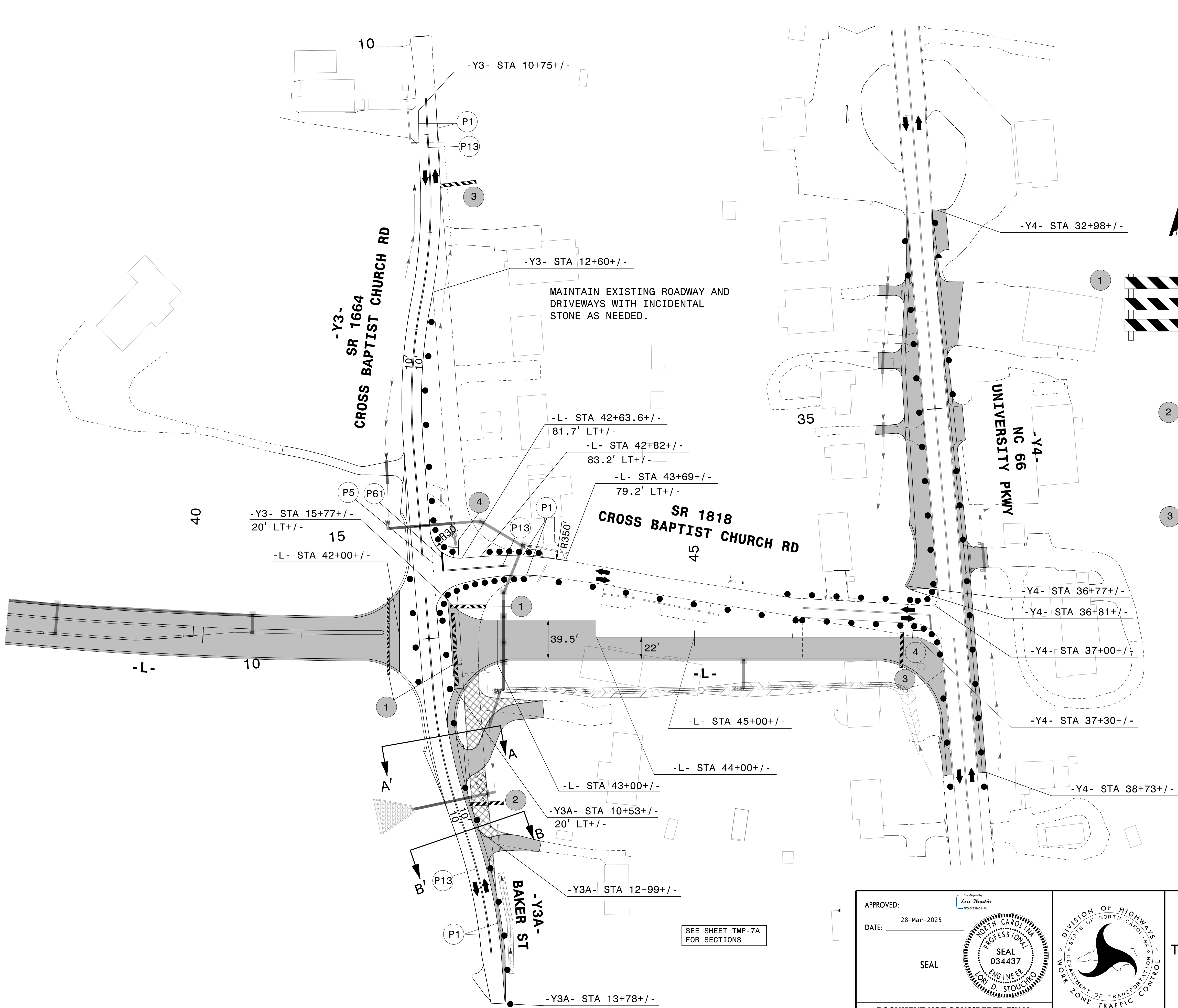


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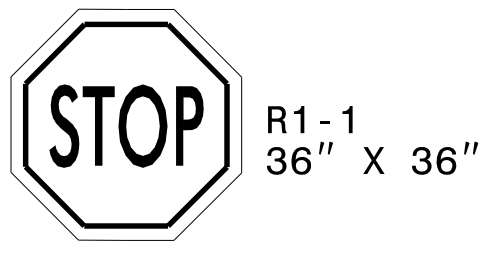
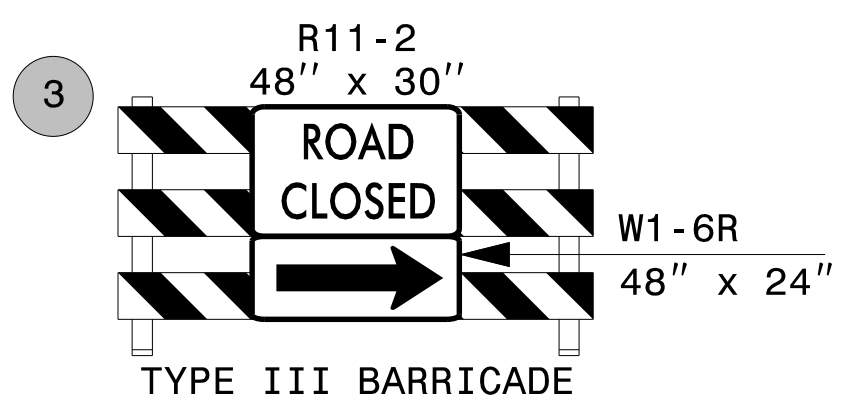
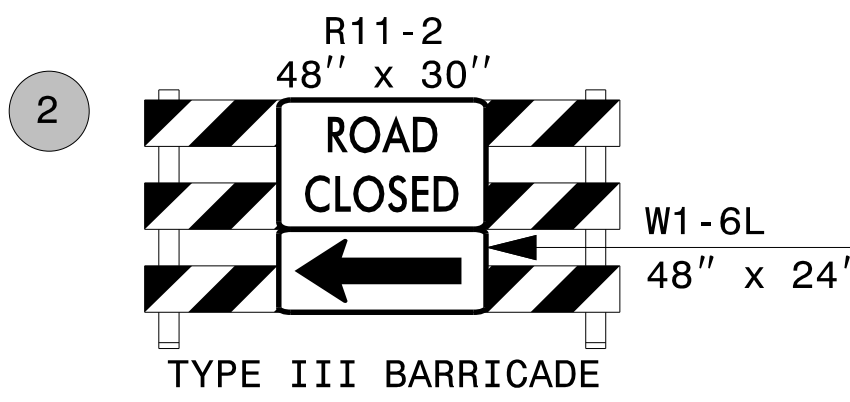
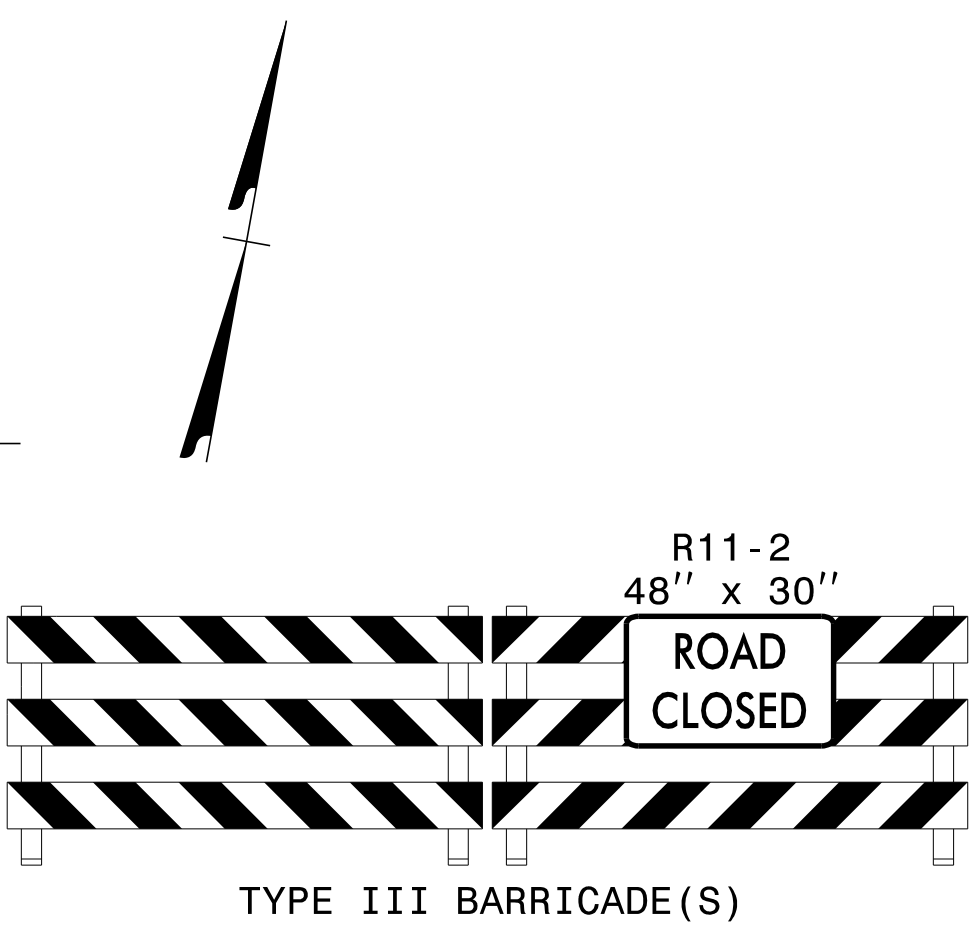
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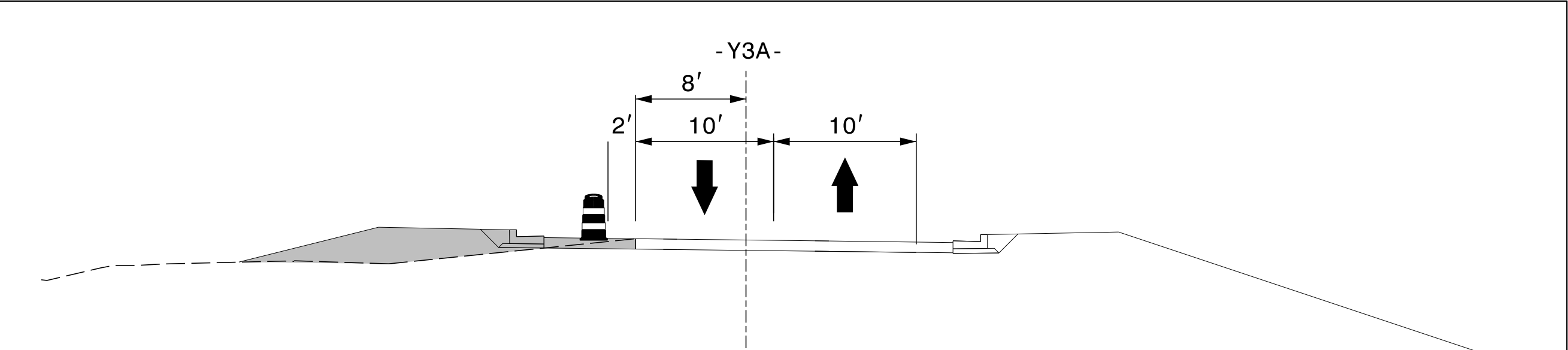
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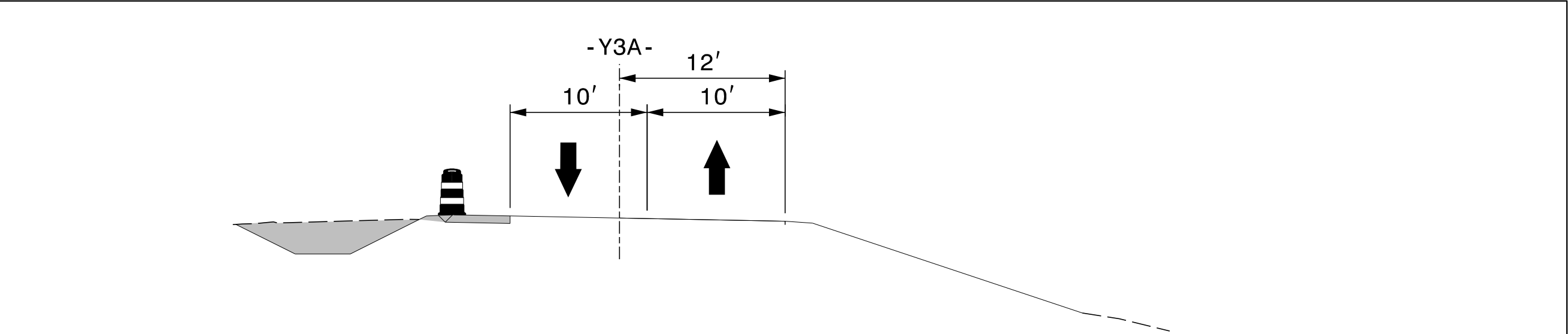


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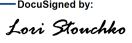
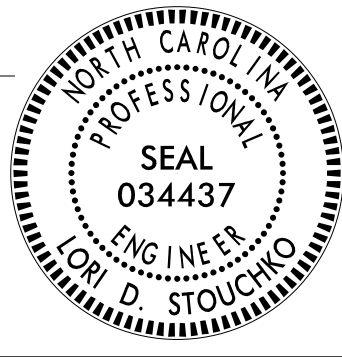
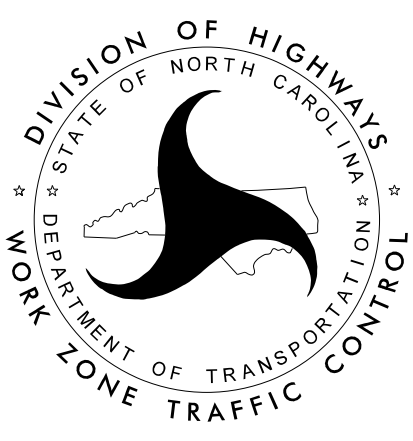
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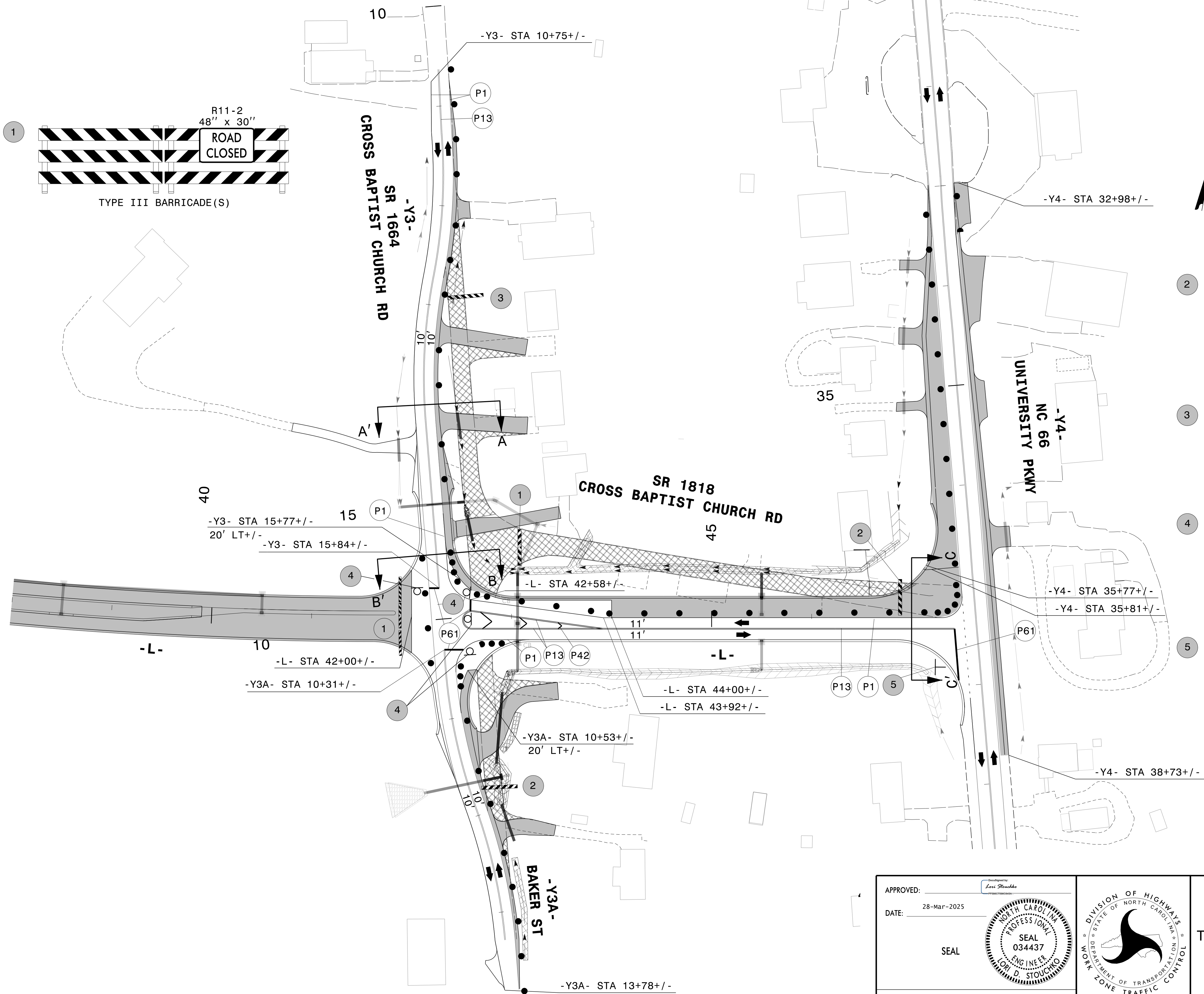
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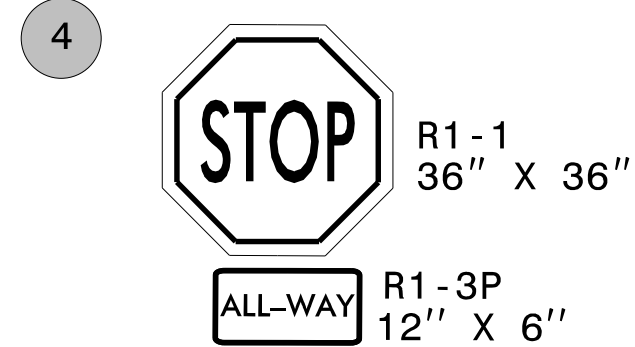
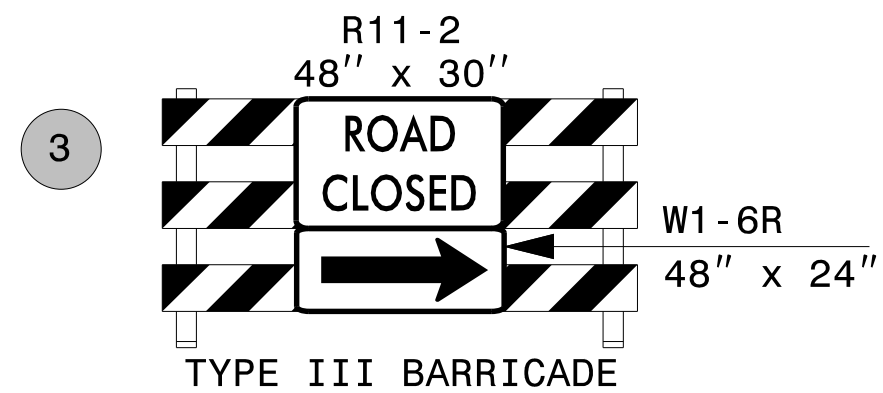
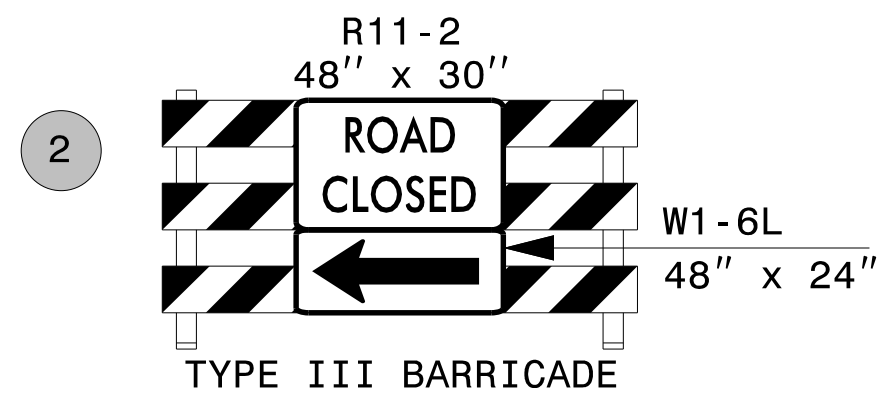
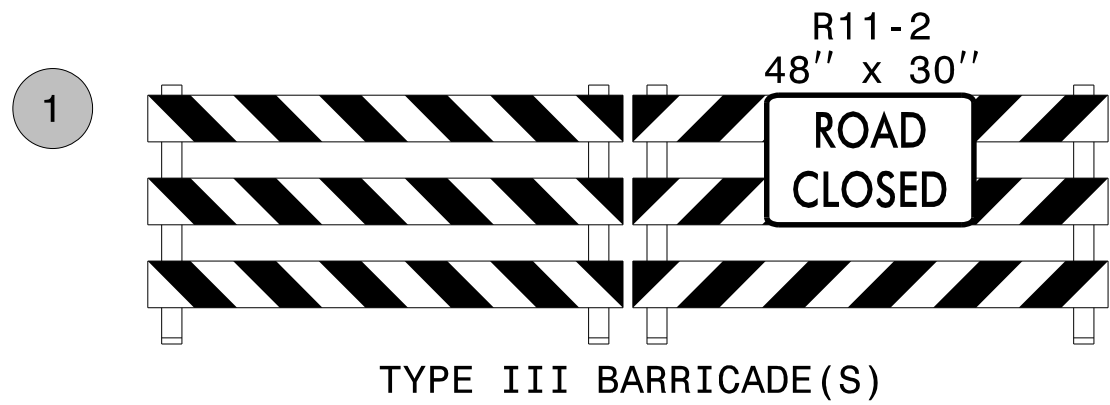
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3/3/2025
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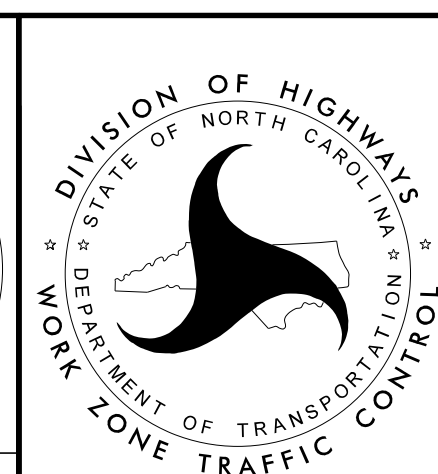
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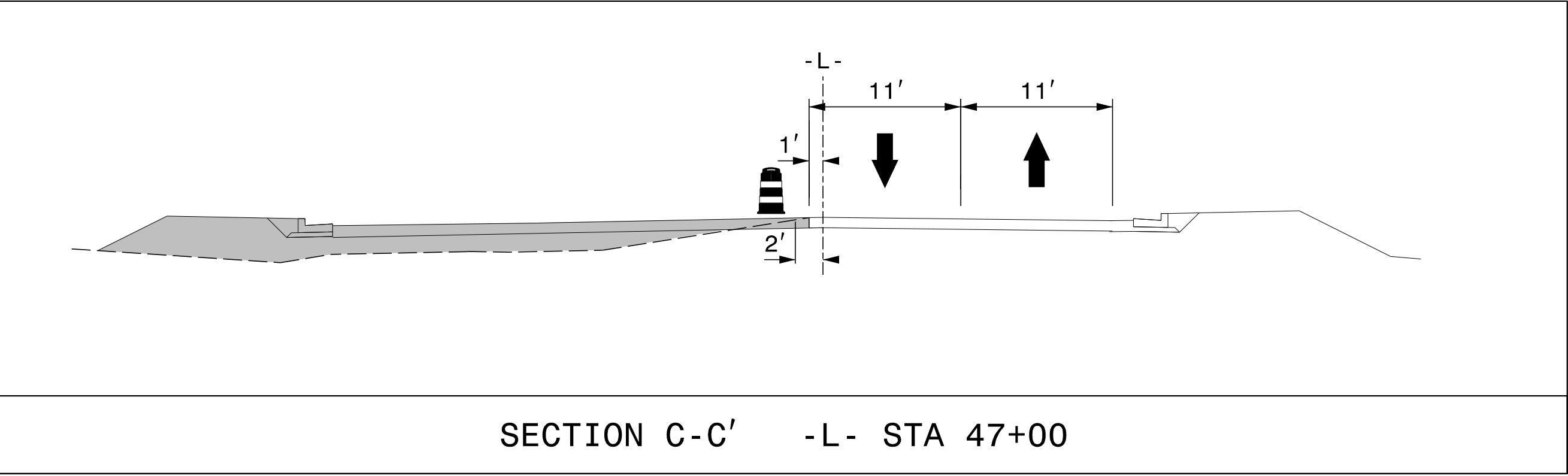
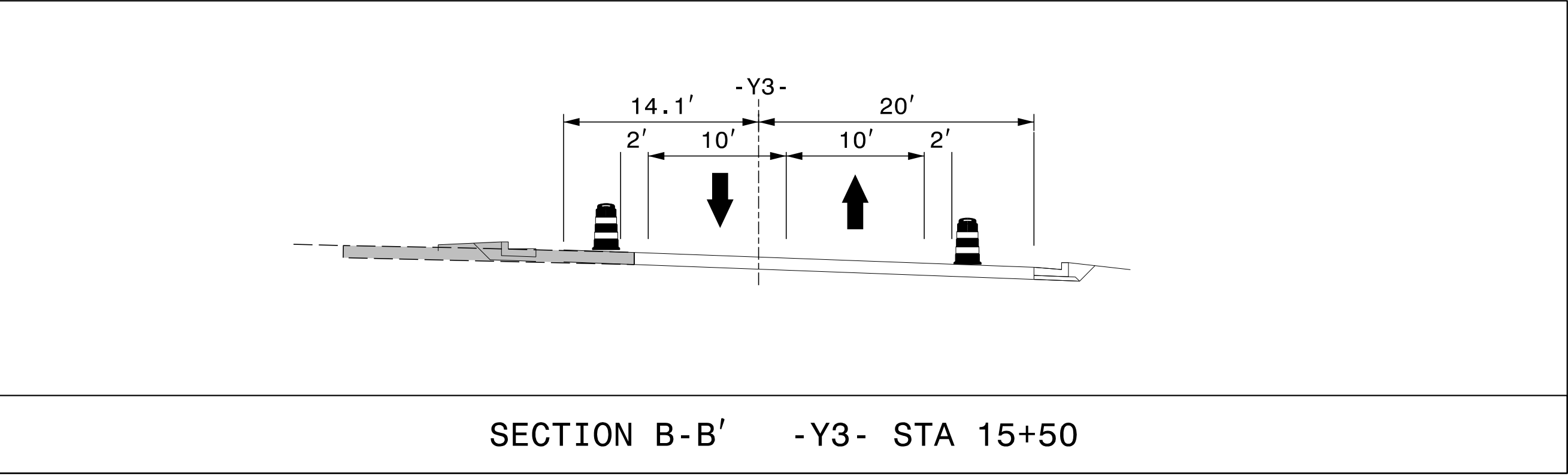
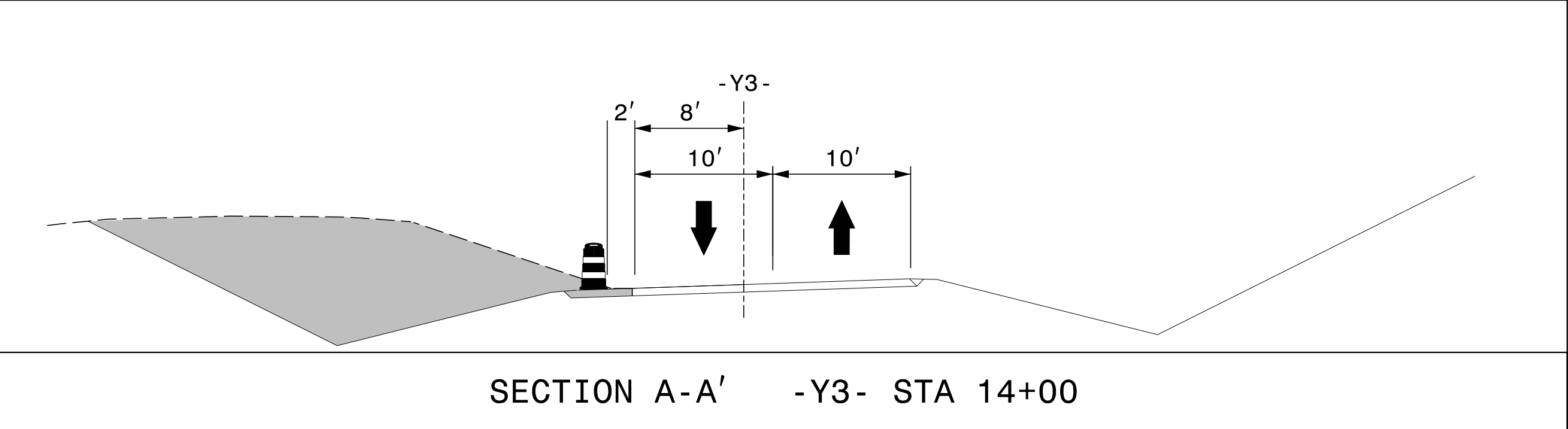
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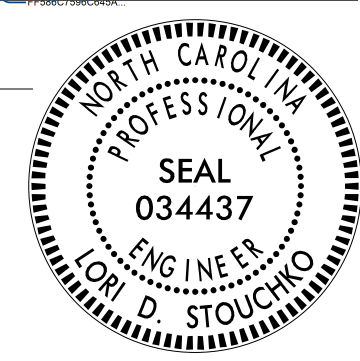

TEMPORARY TRAFFIC CONTROL
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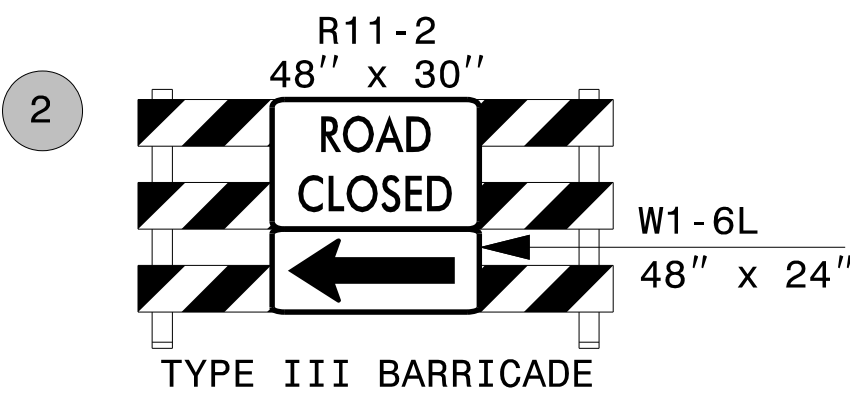
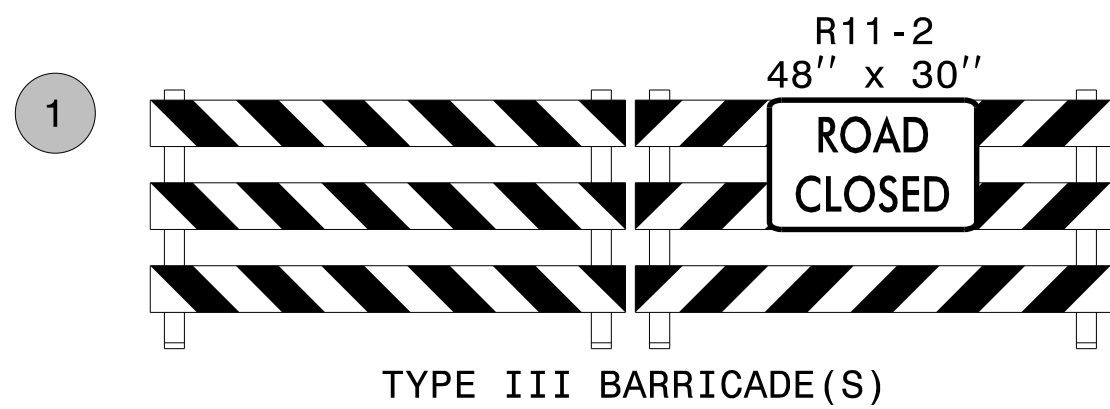
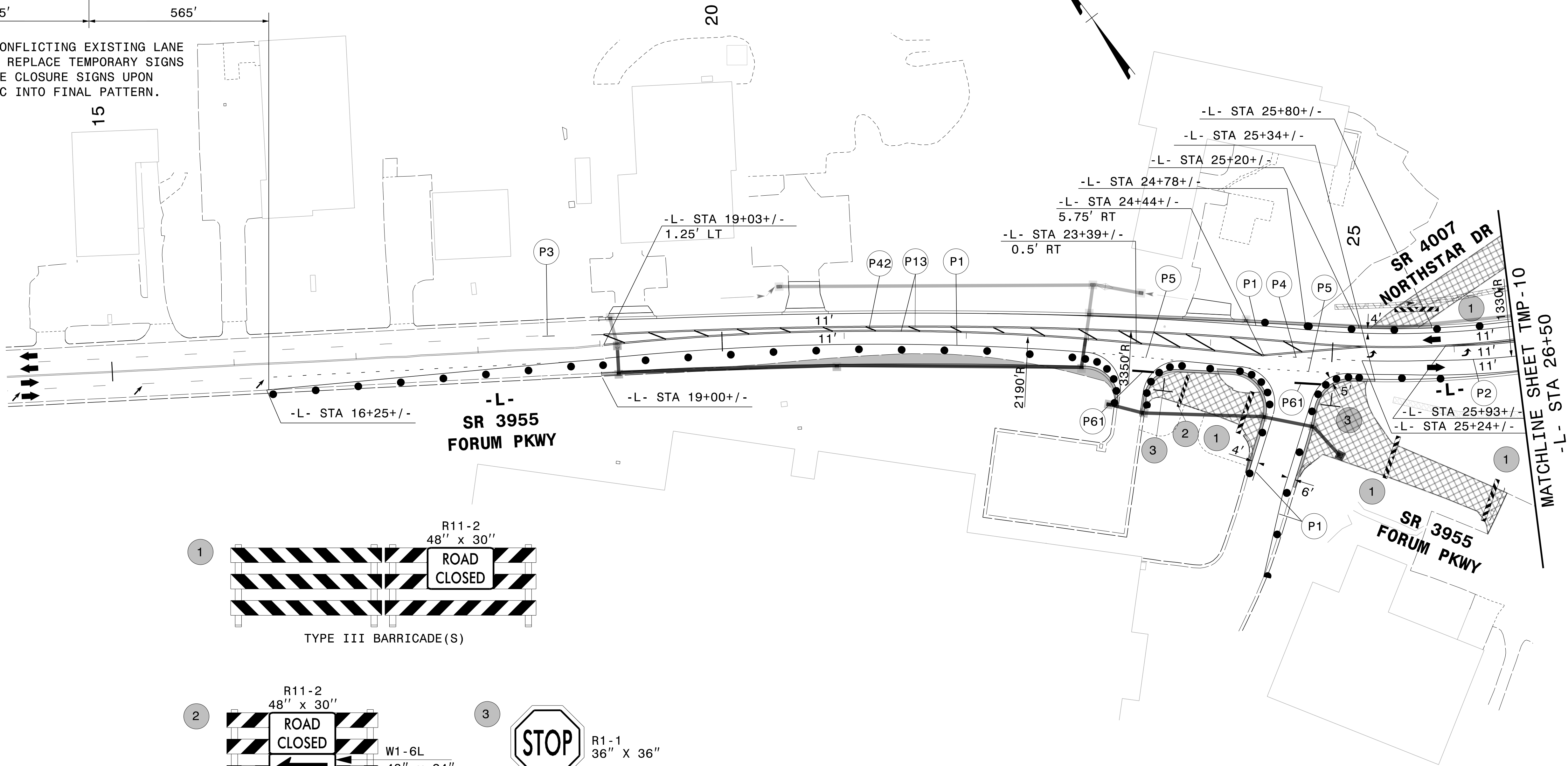
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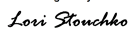
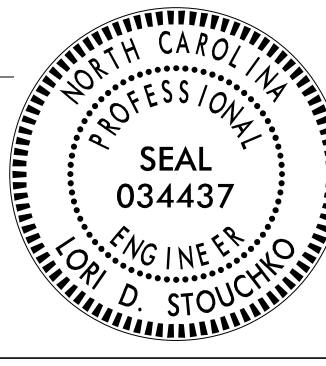
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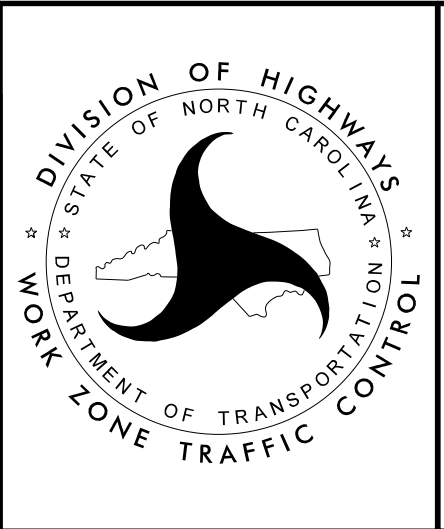
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NOTE: REMOVE CONFLICTING EXISTING LANE CLOSURE SIGNS. REPLACE TEMPORARY SIGNS WITH FINAL LANE CLOSURE SIGNS UPON PLACING TRAFFIC INTO FINAL PATTERN.

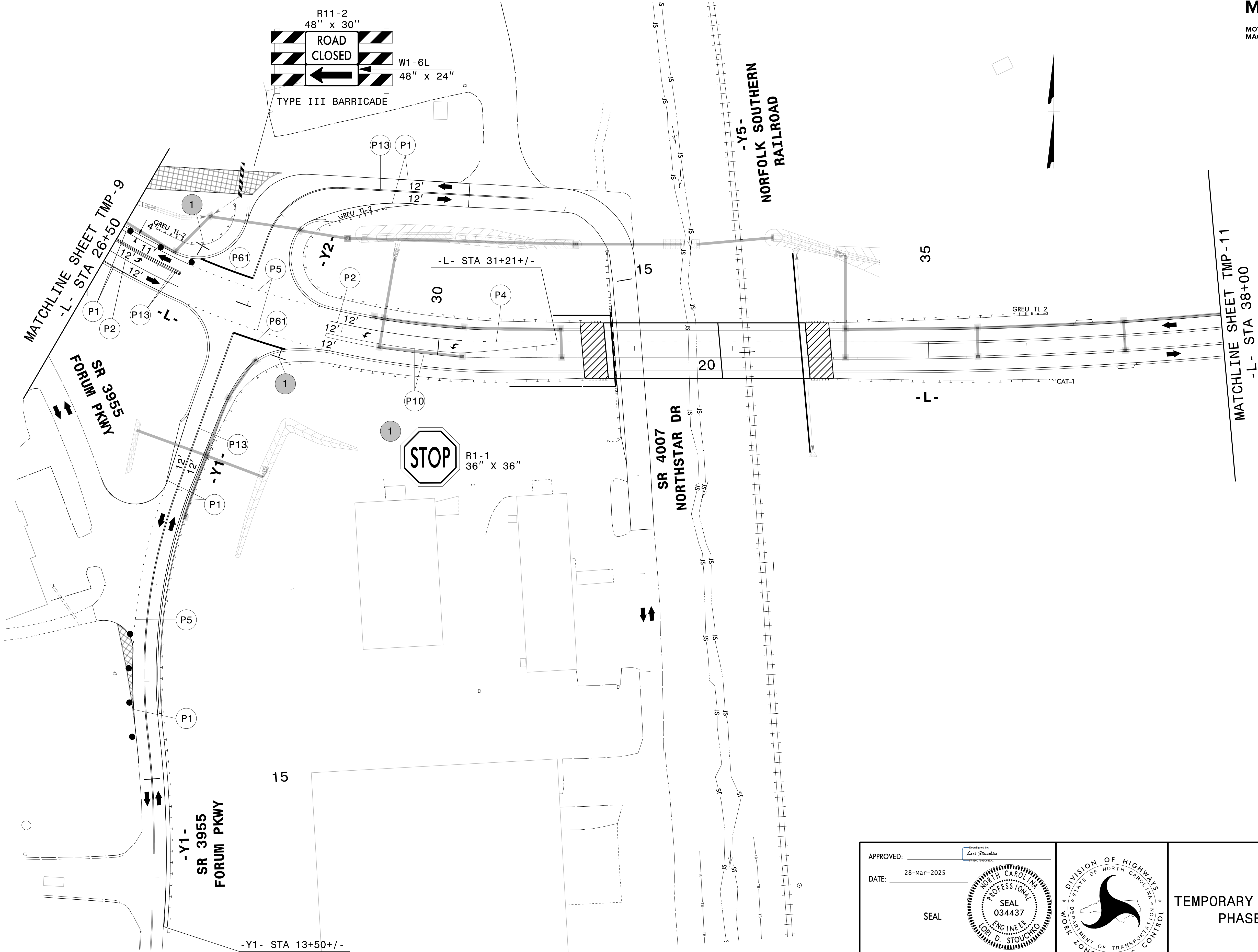


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PHASE IV DETAIL

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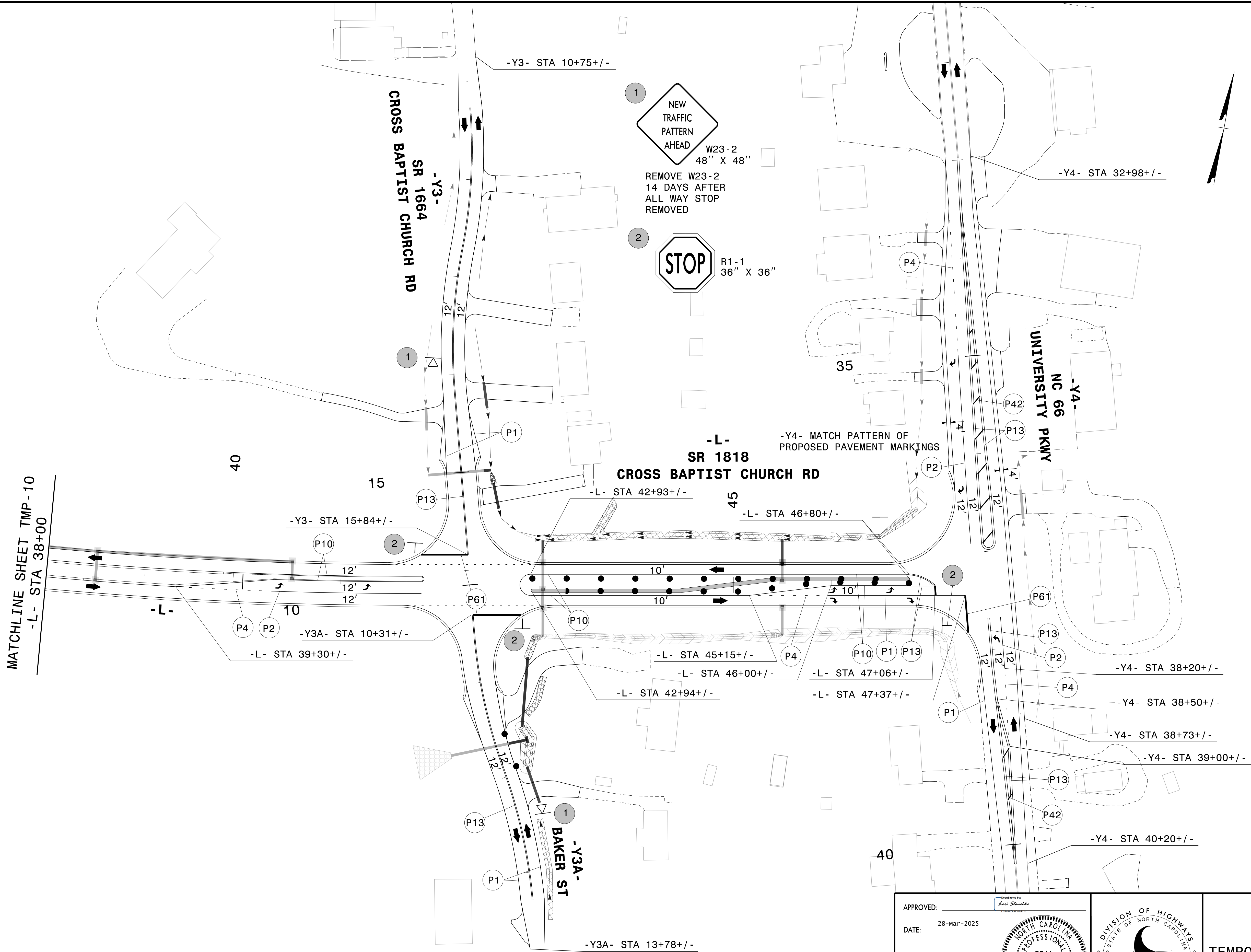
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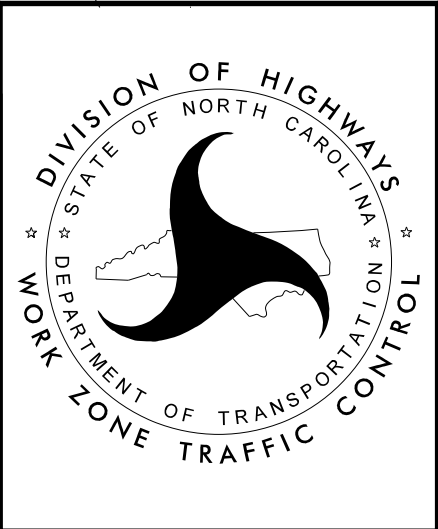
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PHASE IV DETAIL