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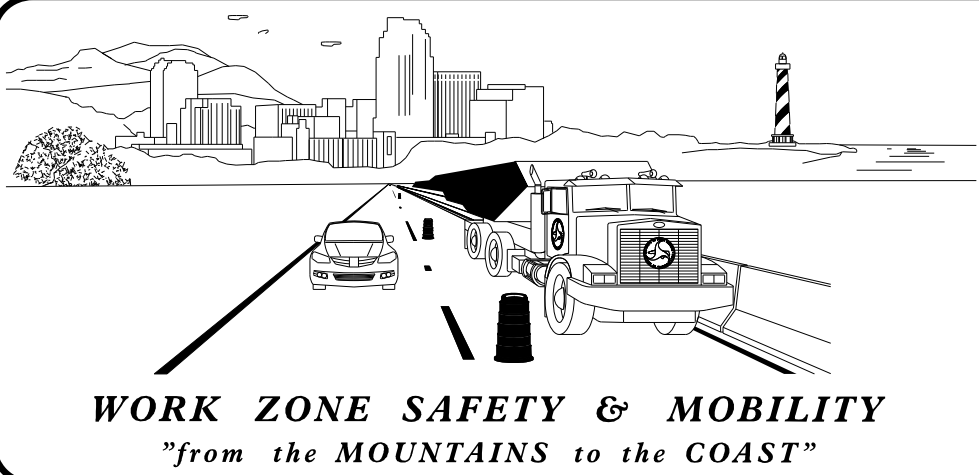
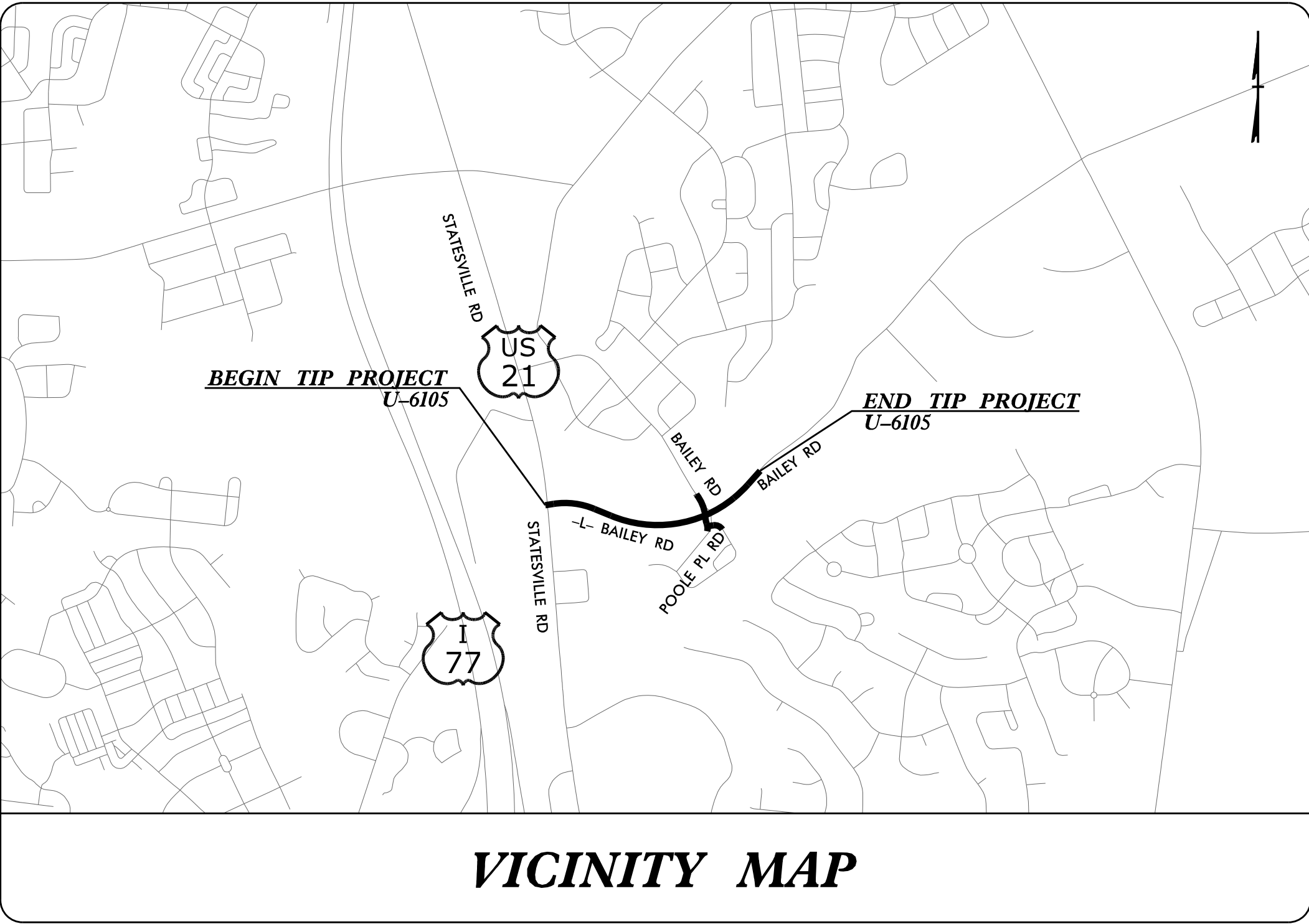
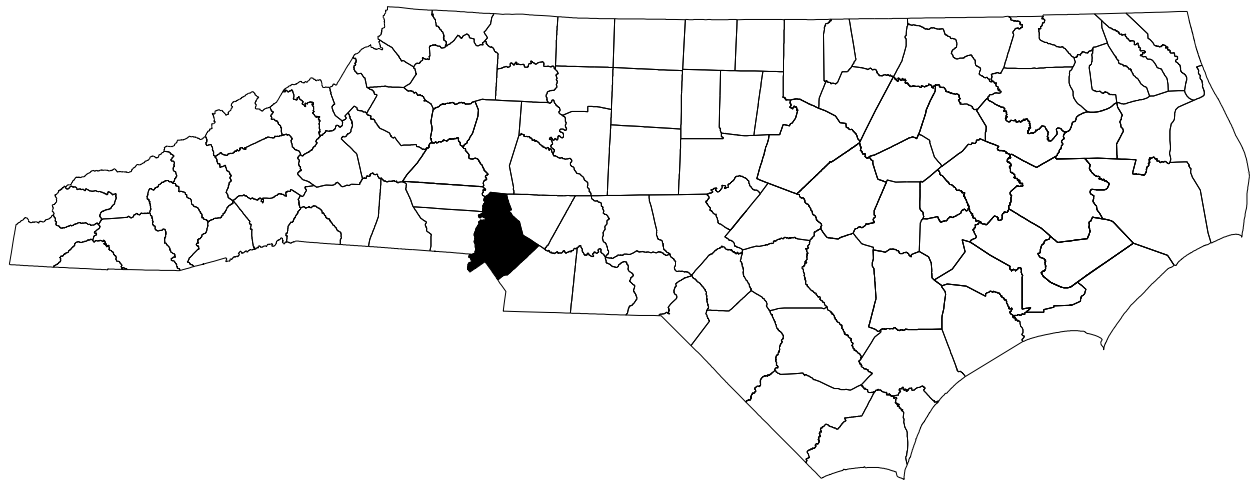
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

MECKLENBURG COUNTY

LOCATION: SR 2415 (BAILEY ROAD) FROM POOLE PLACE DRIVE TO US 21
(STATESVILLE ROAD) IN CORNELIUS
CONSTRUCT ROADWAY ON NEW LOCATION

TYPE OF WORK: GRADING, DRAINAGE, PAVING, CULVERT AND SIGNING



PLANS PREPARED BY:

JASON LAWING, PE
PROJECT ENGINEER

ANDREW WEEKS, EI
PROJECT DESIGN ENGINEER

NCDOT CONTACTS:

TRAVIS PRESLAR, PE
DIVISION 10 - TEAM LEAD

YANWEI MA, PE
DMSTIP - PROJECT MANAGER



INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A THRU TMP-1C	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, TEMPORARY PAVEMENT MARKINGS, MANAGEMENT STRATEGIES, AND GENERAL NOTES
TMP-2 THRU TMP-2B	DETOUR DETAIL SHEETS
TMP-2C	SIGN DESIGN SHEET
TMP-3	CONSTRUCTION PHASING
TMP-4 THRU TMP-6	PHASE 1 DETAILS
TMP-7	PHASE 2 DETAILS
TMP-8	PHASE 3 DETAILS
TMP-9 THRU TMP-10	PHASE 4 DETAILS

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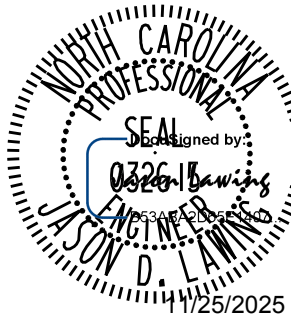
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JASON LAWING, P.E. TRAFFIC CONTROL PROJECT ENGINEER

ANDREW WEEKS, E.I. TRAFFIC CONTROL PROJECT DESIGN ENGINEER

APPROVED: _____
DATE: _____

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UNLESS ALL SIGNATURES COMPLETED



SHEET NO.

TMP-1

U-6105

TIP PROJECT:

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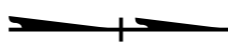


ROADWAY STANDARD DRAWINGS

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
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES - 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 MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPs
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - REDUCED CONFLICT INTERSECTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

LEGEND

GENERAL

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

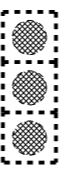
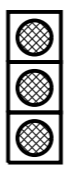
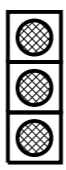

-  WORK AREA
-  GRAVEL

-  REMOVAL



-  WEDGING

-  TEMPORARY PAVEMENT












SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY
-  PORTABLE




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

PAVEMENT MARKING LINES

- P1 - PAINT (4" WHITE, 2X)

P2 - PAINT (4" WHITE, 2X)

P3 - PAINT (4" WHITE, 2X)

P5 - PAINT (4" WHITE, 2X)

P10 - PAINT (4" YELLOW, 2X)

P11 - PAINT (4" YELLOW, 2X)

P12 - PAINT (4" YELLOW, 2X)

P13 - PAINT (4" YELLOW, 2X)

P14 - PAINT (4" YELLOW, 2X)

P40 - PAINT (8" WHITE, 2X)

P42 - PAINT (8" YELLOW, 2X)

P45 - PAINT (8" WHITE, 2X)
- EDGELINE

SOLID LANE LINE

4" X 10' SKIP

4" x 2' MINISKIP

EDGELINE

SINGLE CENTER LINE

4" X 10' SKIP

DOUBLE CENTER LINE

4" x 2' MINISKIP

GORELINE

DIAGONAL

3' - 3'/SP MINISKIP

PAVEMENT MARKING SYMBOLS

- P70 - PAINT 2X (LEFT TURN ARROW)

P71 - PAINT 2X (RIGHT TURN ARROW)

P72 - PAINT 2X (STRAIGHT ARROW)

P73 - PAINT 2X (COMBINATION STRAIGHT & LEFT TURN ARROW)

P74 - PAINT 2X (COMBINATION STRAIGHT & RIGHT TURN ARROW)

P76 - PAINT 2X (COMBINATION STRAIGHT, RIGHT, & LEFT TURN ARROW)

P90 - PAINT 2X (BICYCLE SYMBOL)

P91 - PAINT 2X (BICYCLE STRAIGHT ARROW)

P94 - PAINT 2X (SHARROW)


P100 - PAINT 2X (ALPHANUMERIC CHARACTER)


P103 - PAINT 2X (24" YIELD LINE TRIANGLE)

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APPROVED: _____ DATE: _____





ROADWAY STANDARD
DRAWINGS & LEGEND

MANAGEMENT STRATEGIES

PROPOSED IMPROVEMENTS ALONG -L- BAILEY ROAD EXTENSION, -L- SR 2415 EXISTING BAILEY ROAD, -Y2- SR 2415 EXISTING BAILEY ROAD, -Y3- POOLE PLACE DRIVE AND -Y4- PSALMS STREET WILL BE CONSTRUCTED WHILE MAINTAINING TRAFFIC AND USING TEMPORARY TRAFFIC PATTERNS WITH TEMPORARY ROAD CLOSURES AND TEMPORARY LANE CLOSURES.

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 21 (STATESVILLE ROAD)	MONDAY THRU SUNDAY 7:00 AM TO 9:00 PM
BAILEY ROAD POOLE PLACE DRIVE PSALMS STREET	MONDAY THRU FRIDAY 6:00 AM TO 9:00 AM 4:00 PM TO 7:00 PM

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

ROAD NAME
ALL 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 6:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR’S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.

TIME RESTRICTIONS (CONT.)

- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
US 21 (STATESVILLE ROAD) BAILEY ROAD POOLE PLACE DRIVE PSALMS STREET	ANYTIME UNLESS OTHERWISE DIRECTED BY THE ENGINEER

D) DO NOT STOP TRAFFIC AS FOLLOWS, OR AS OTHERWISE DIRECTED BY THE ENGINEER:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
BAILEY ROAD US 21 (STATESVILLE ROAD)	6:00 AM TO 9:00 AM 4:00 PM TO 7:00 PM MONDAY THRU FRIDAY	15 MINUTES FOR MEDIAN INSTALLATION AND 30 MINUTES FOR SIGNAL INSTALLATION

E) 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

F) 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.

G) 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.

H) 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.

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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

J) 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.

K) 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) 500 ft IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

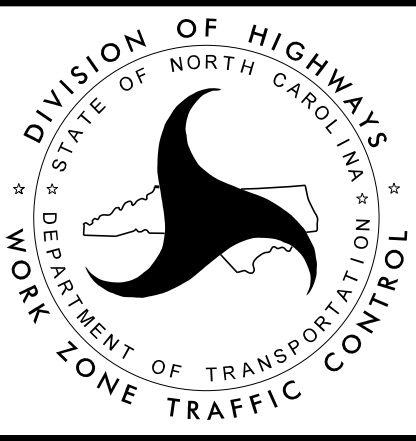
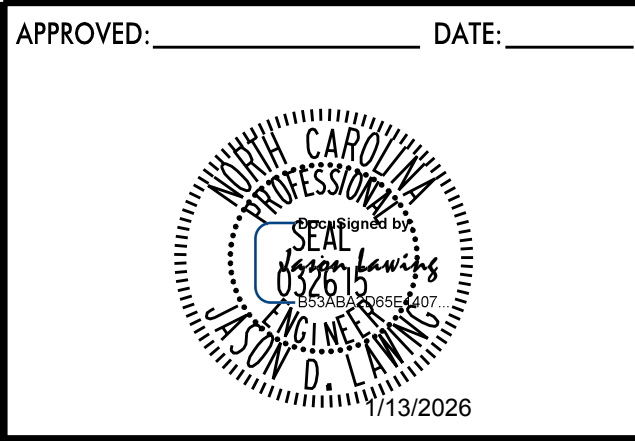
L) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

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TRANSPORTATION
OPERATIONS
PLAN

GENERAL NOTES (CONT.)

SIGNING

- M) 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.
- N) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
- O) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
- P) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- Q) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 ft IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

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

- U) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:
- | ROAD NAME | MARKING | MARKER |
|-----------|---------|--------|
| ALL ROADS | PAINT | NONE |
- V) 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.
- W) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- X) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- Y) TRACE THE PROPOSED MONOLITHIC ISLAND AND PEDESTRIAN REFUGE 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

- Z) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- AA) 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) AND RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- AB) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BE THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.)

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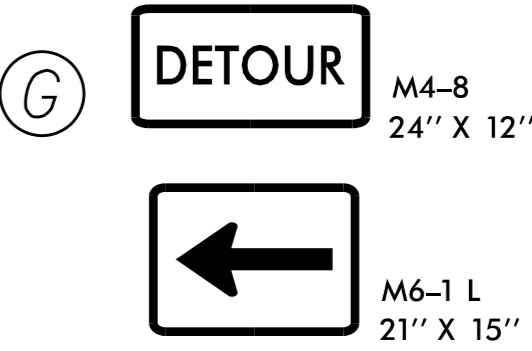
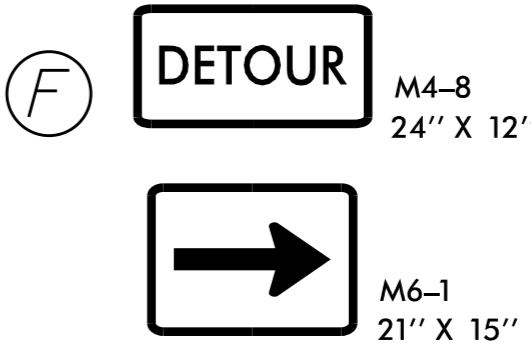
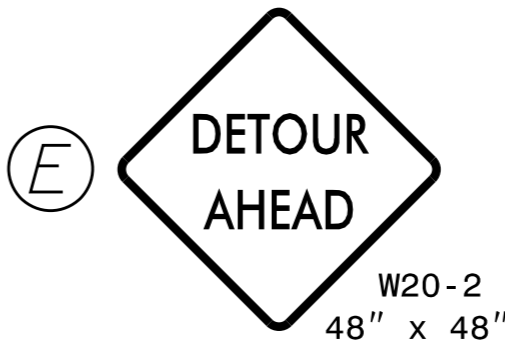
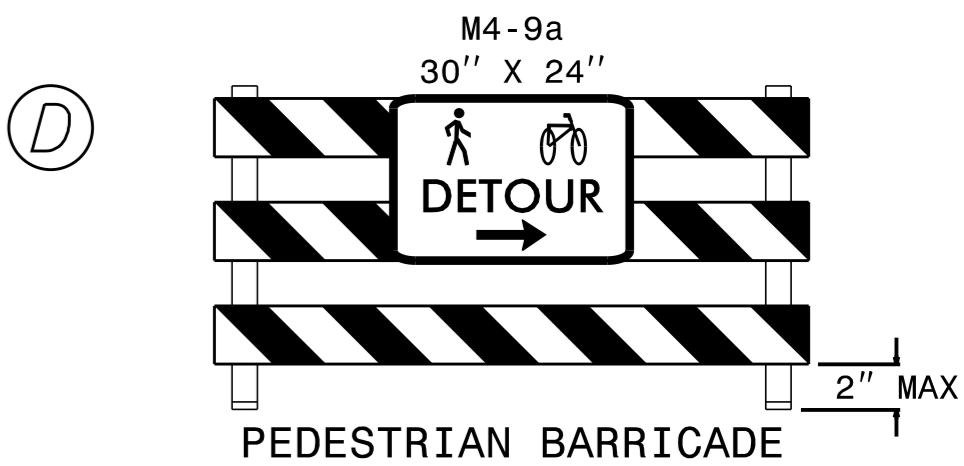
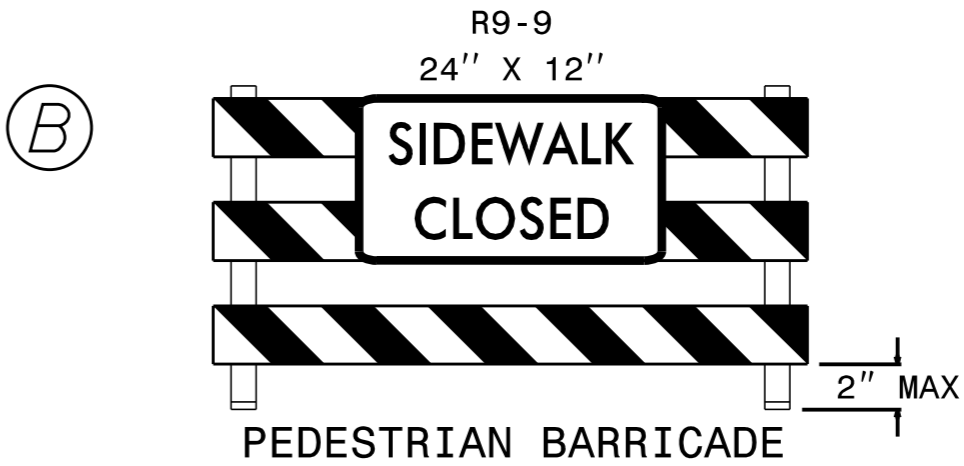
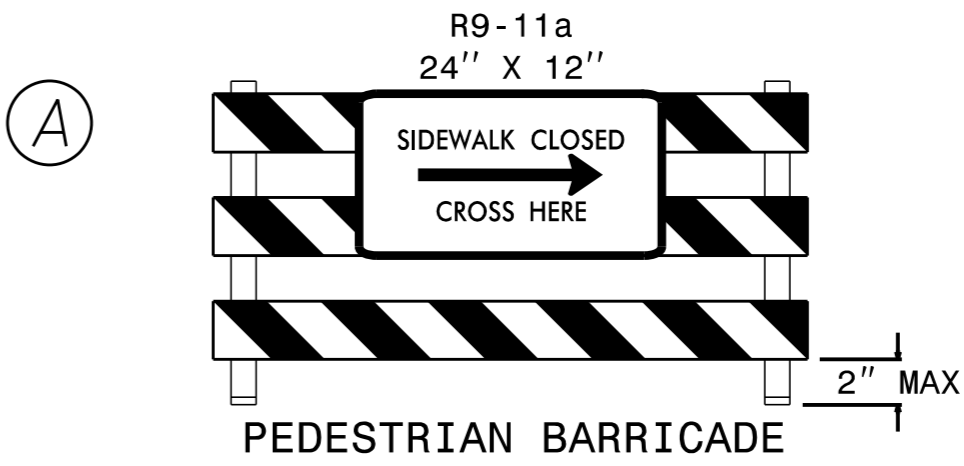
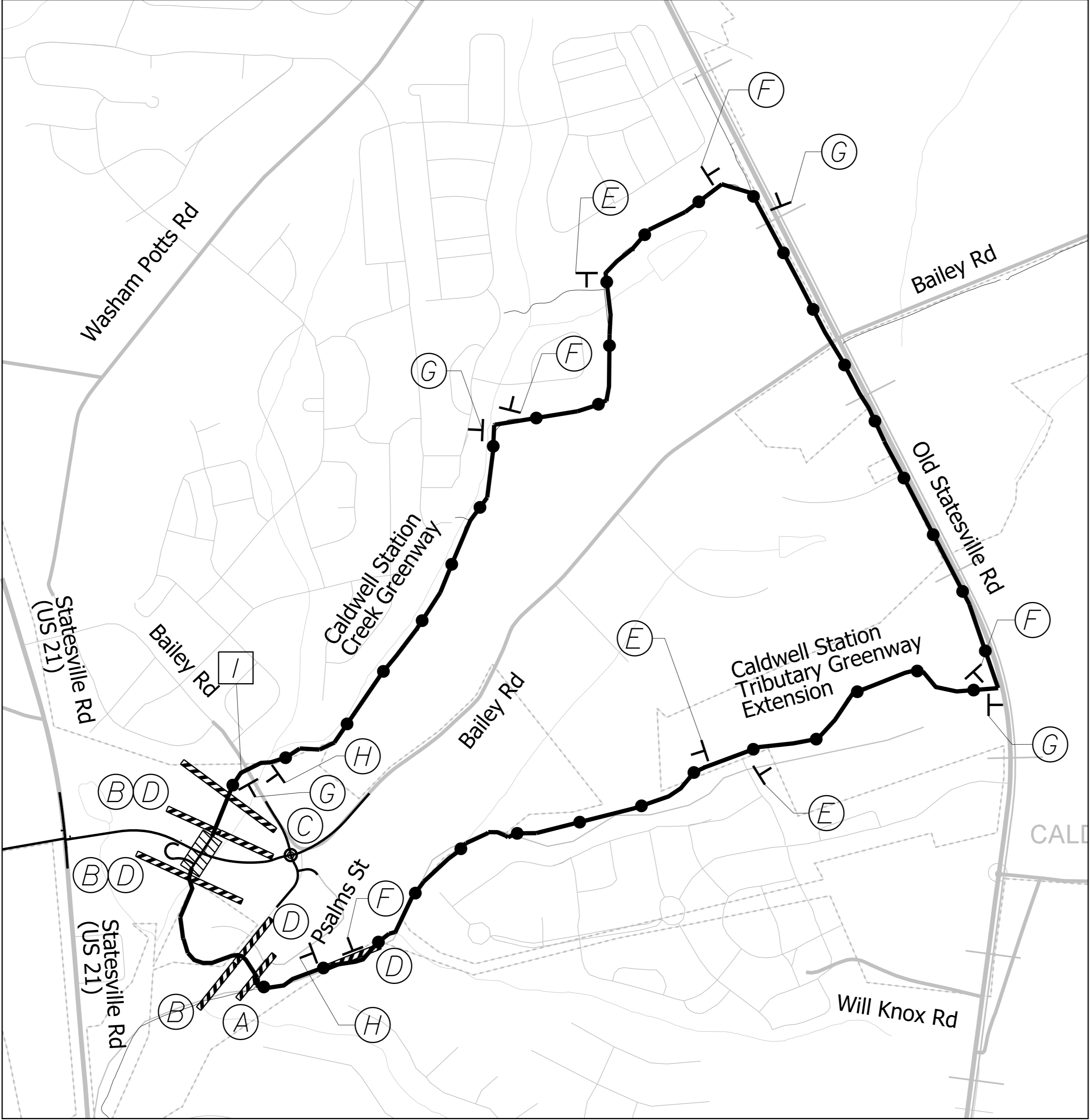
PEDESTRIAN CONSTRUCTION PHASING

PRIOR TO CONSTRUCTION, PLACE THE FOLLOWING BARRICADES AND SIGNAGE UNTIL PHASE 1 OF CONSTRUCTION FOR THE PROPOSED ROADWAY, CULVERT CROSSING, AND GRADING OF -L- BAILEY ROAD EXTENSION AND -G1- CALDWELL STATION CREEK GREENWAY IS COMPLETED.

- STEP 1:
- CONTRACTOR TO PERFORM SOFT CLOSURES OF GREENWAY AT THREE SEPARATE LOCATIONS.
- THE FIRST IS AT THE NEW PROPOSED CALDWELL STATION TRIBUTARY GREENWAY EXTENSION AND CALDWELL STATION CREEK GREENWAY.
 - THE SECOND AT THE CONNECTION TO PSALMS STREET AND CALDWELL STATION CREEK GREENWAY.
 - THE THIRD AT THE CONNECTION OF CALDWELL STATION CREEK GREENWAY AND THE PARKING LOT OFF OF BAILEY ROAD.

- STEP 2:
- CONTACTOR TO PERFORM HARD CLOSURES OF THE GREENWAY AT EITHER SIDE OF THE CONSTRUCTION SEQUENCE, AS SHOWN ALSO ON TMP-5, TO PREVENT PEDESTRIAN CROSSING UNTIL PHASE 1 IS COMPLETED.

- STEP 3:
- CONTRACTOR TO REMOVE ALL PEDESTRIAN SIGNAGE DEVICES DETAILED BELOW AND SHIFT PEDESTRIAN TRAFFIC ONTO FINAL PATTERN.



LEGEND

● — ● DETOUR ROUTE

▨ WORK AREA

▨ BARRICADES

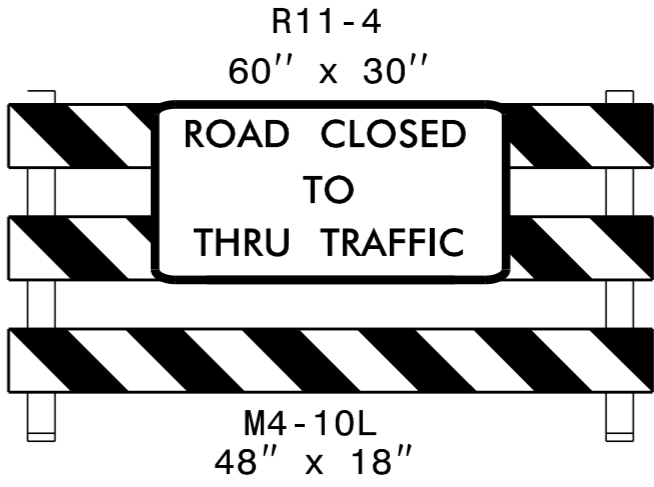
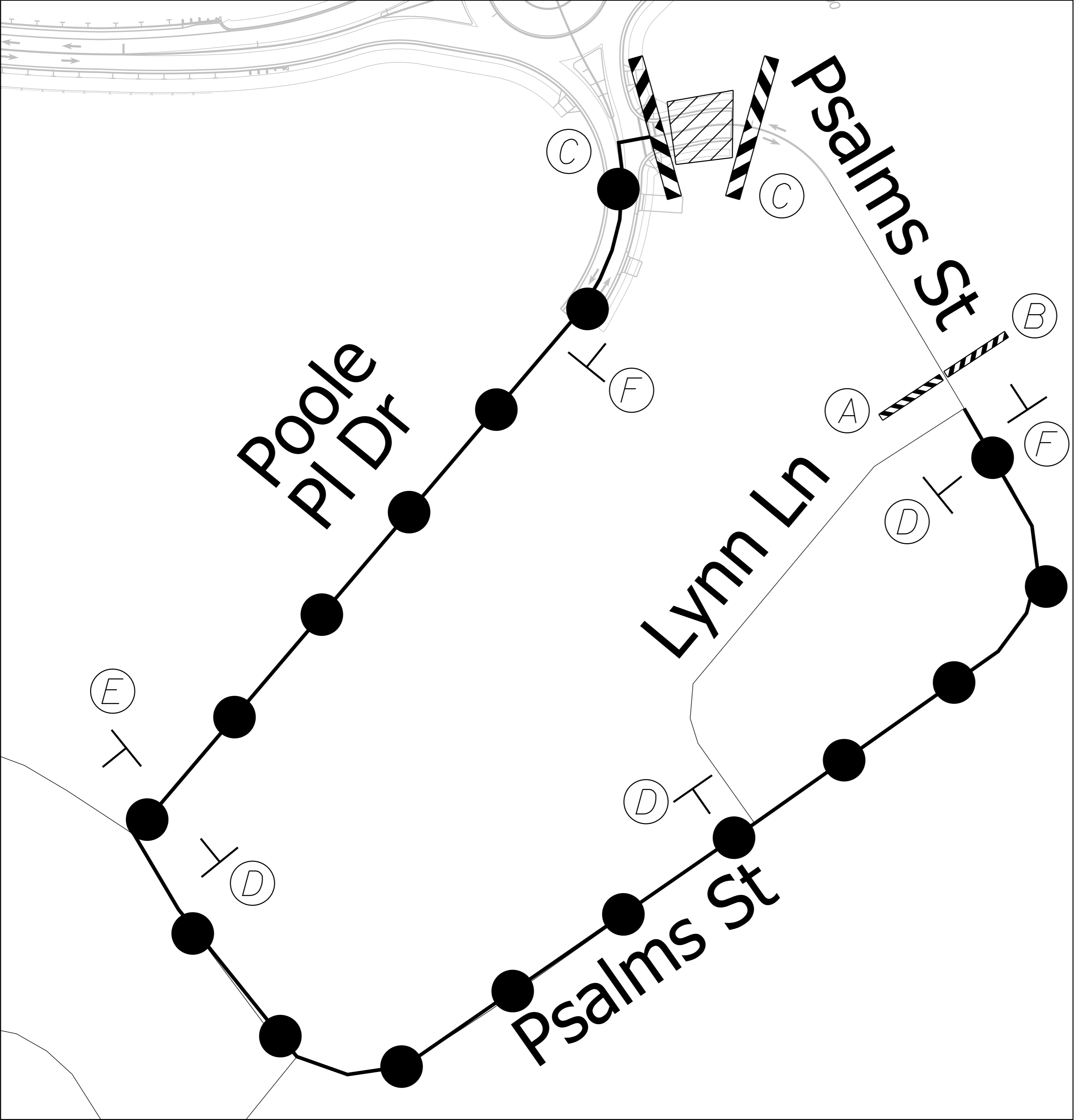
T SIGNS

NOTE:
SEE RSD 1101.03, SHEETS 1 AND 2 OF 9 FOR ADDITIONAL SIGNS, SIGN SPACING, AND DEVICES.

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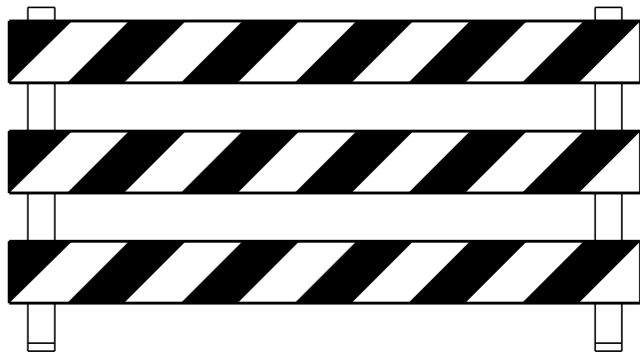
PEDESTRIAN
DETOUR SHEET

CALDWELL STATION
CREEK GREENWAY
PHASE 1



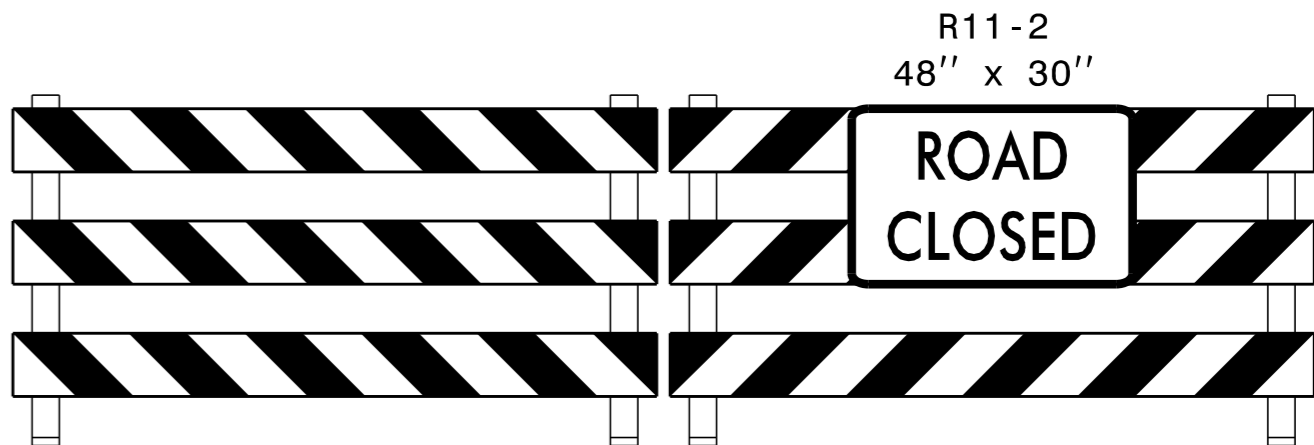
TYPE III BARRICADE

(A)



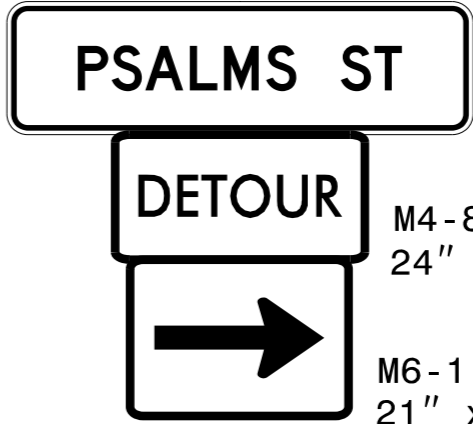
TYPE III BARRICADE

(B)

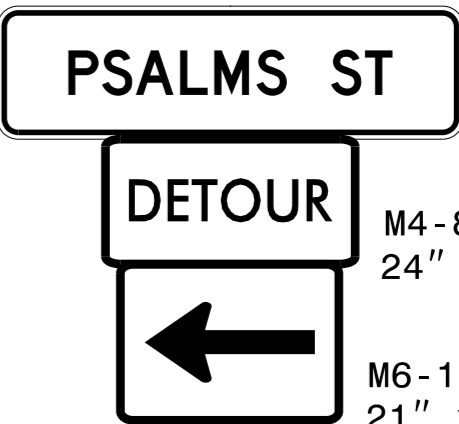


TYPE III BARRICADE(S)

(C)



(D)

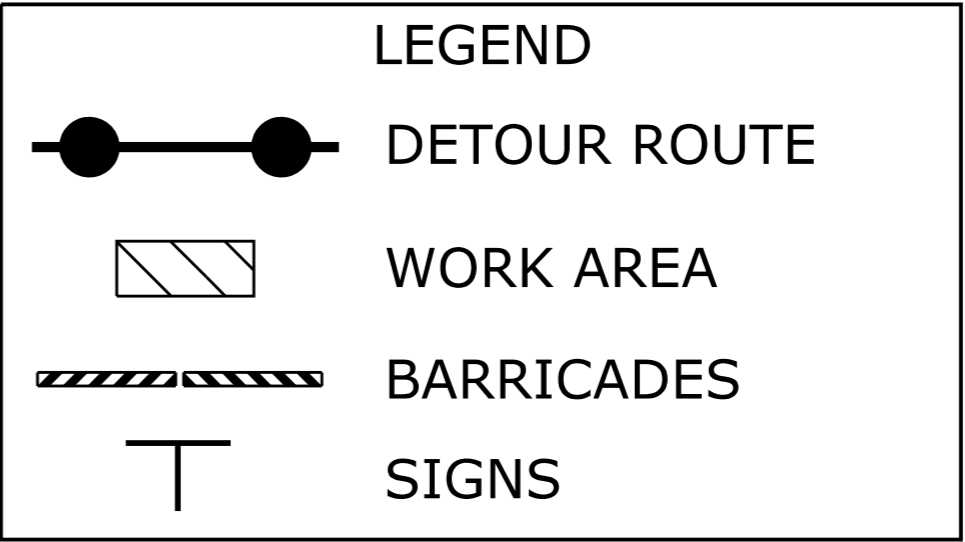


(E)

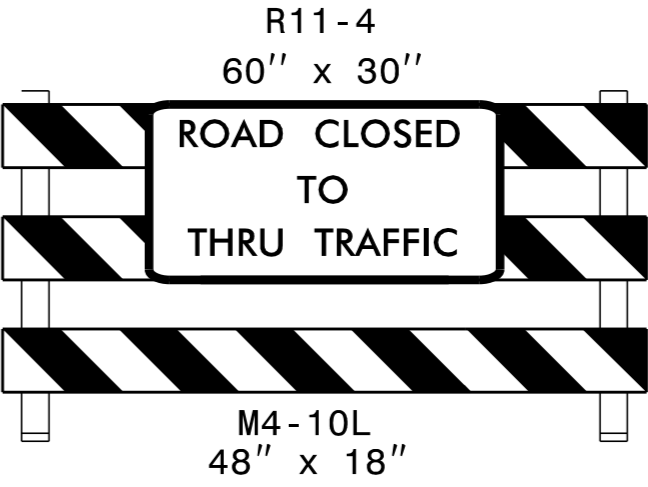
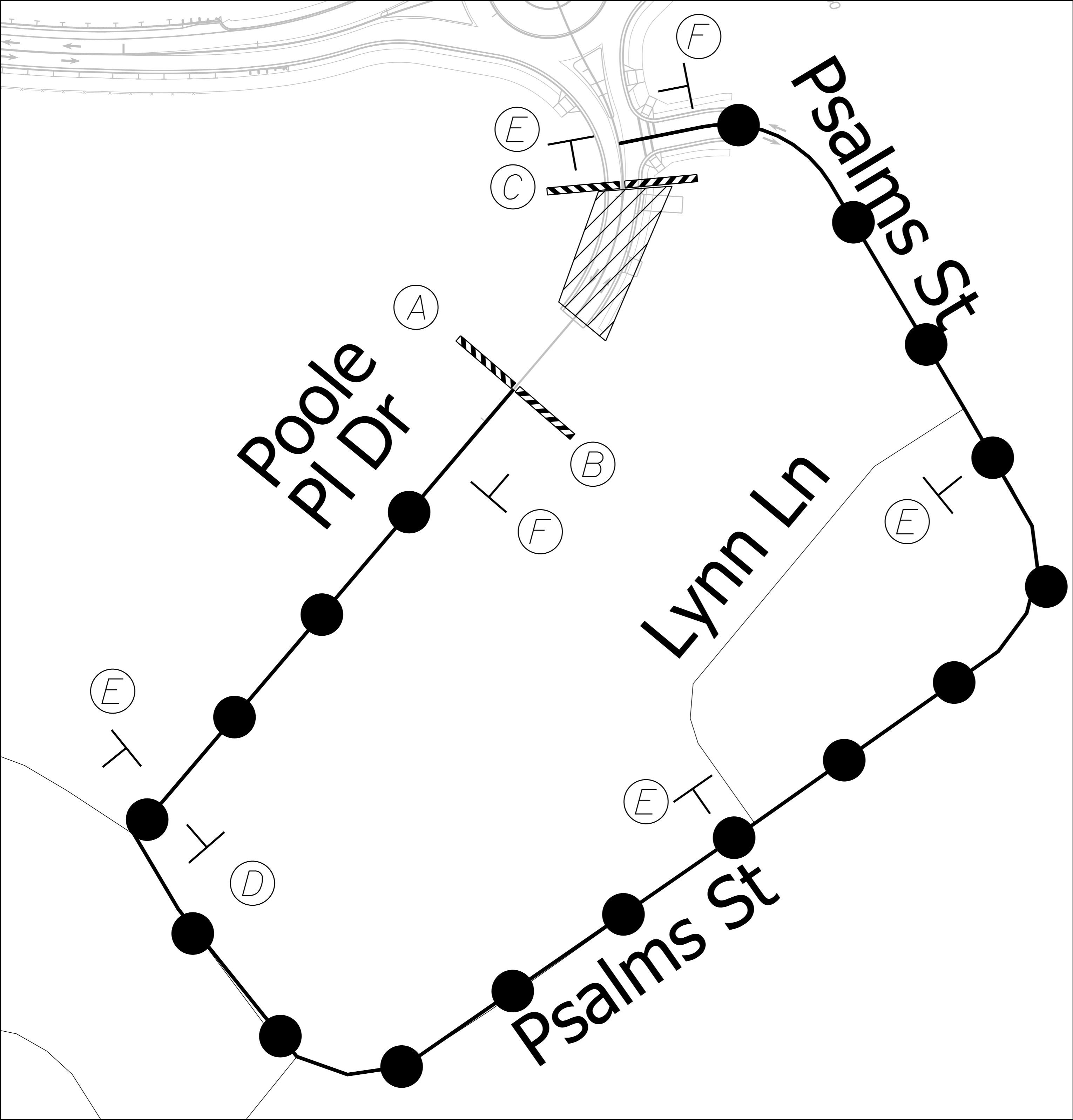
(F)



M4-8 A
24" X 18"

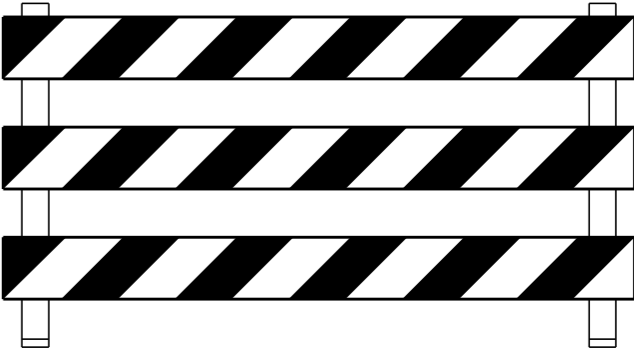


NOTE:
SEE RSD 1101.03, SHEETS 1 AND 2 OF 9 FOR ADDITIONAL SIGNS,
SIGN SPACING, AND DEVICES.



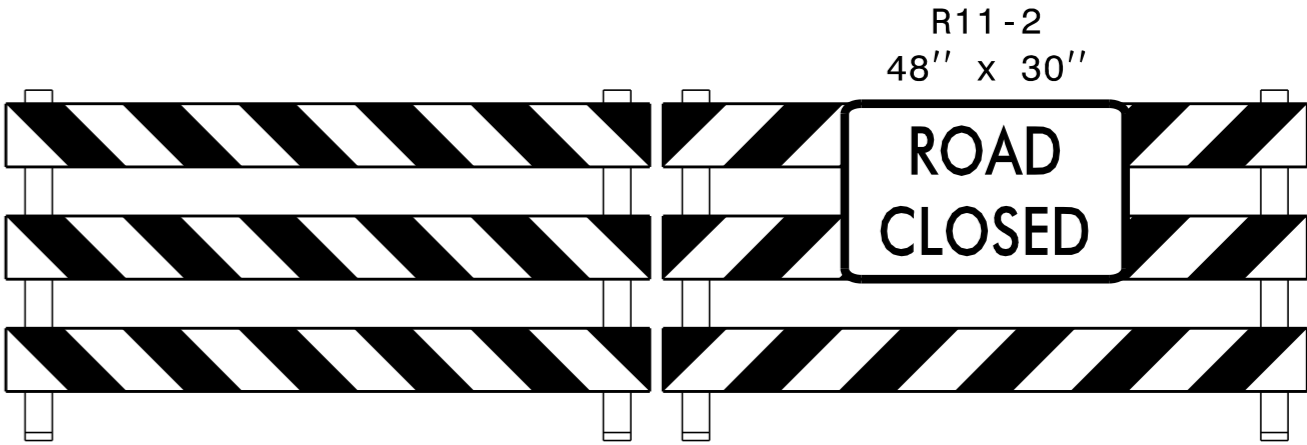
TYPE III BARRICADE

A



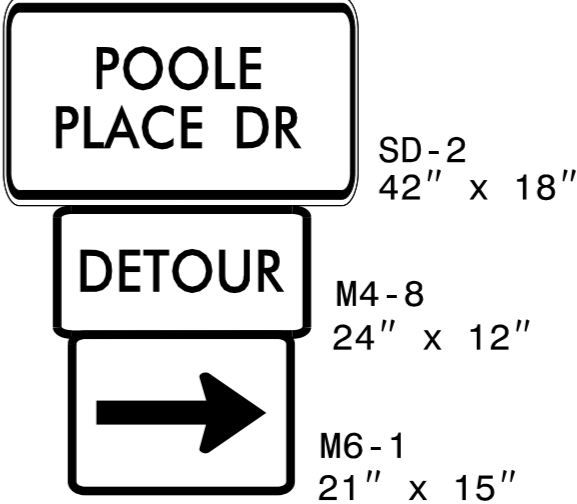
TYPE III BARRICADE

B

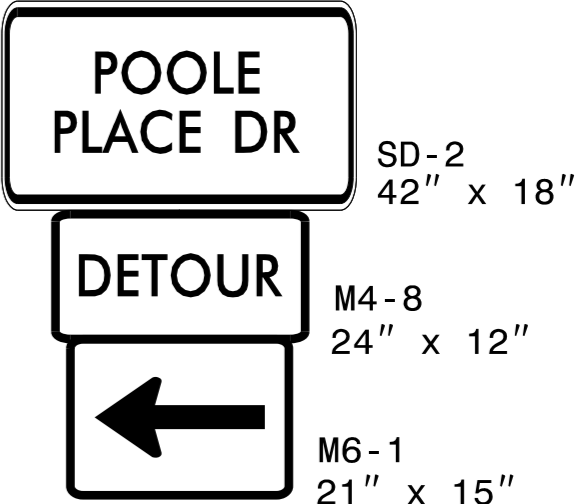


TYPE III BARRICADE(S)

C



D



E



F

LEGEND

DETOUR ROUTE

WORK AREA

BARRICADES

SIGNS

NOTE:
SEE RSD 1101.03, SHEETS 1 AND 2 OF 9 FOR ADDITIONAL SIGNS,
SIGN SPACING, AND DEVICES.

CHECKED BY: Jun 11, 2024
LOCATION: DIV: 10

Technical drawing of a rectangular sign with rounded corners. The sign has a black border and the text "PSALMS ST" in bold black letters. Dimensions are provided: overall width is 3'-6", overall height is 1'-0". The sign is divided into three horizontal sections: a top section with a height of 4", a middle section with a height of 4", and a bottom section with a height of 4". The middle section contains the text "PSALMS ST". The sign is mounted on a wall, and the mounting holes are indicated by small circles. The distance between the mounting holes is 29.2", with 6.4" from each hole to the nearest edge.

BORDER
R=1.5"
TH=0.5"
IN=0.38"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

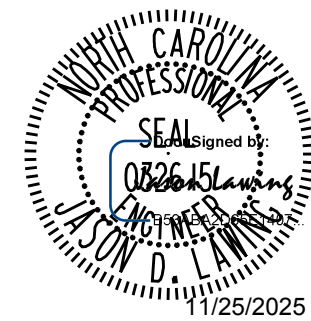
Letter locations are panel edge to lower left corner																												Series/Size Text Length
	P	S	A	L	M	S		S	T																		D 2000	
	6.4	9.4	12.5	16.5	19.6	23.4	26.1	30.1	33.1																		29.2	

FILENAME: GUIDESIGN

NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED:

DATE: _____



SIGN DESIGN SHEET

PROJ. REFERENCE NO.	SHEET NO.
U-6105	TMP-2D

[illegible]

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CONSTRUCTION PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-6105	TMP-3

PRIOR TO BEGINNING ANY CONSTRUCTION THE CONTRACTOR SHALL INSTALL WORK ZONE ADVANCE WARNING SIGNS AS SHOWN IN THE NCDOT ROADWAY STANDARD DRAWING NO. 1101.01

PHASE I

AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NECESSARY, WHILE MAINTAINING EXISTING TRAFFIC PATTERNS AND ACCESS TO ALL PROPERTIES, CONSTRUCT THE FOLLOWING FROM STA. -L- 10+09.45 TO STA. -L- 29+98.47, STA. -Y2- 10+66.97 TO STA. -Y2- 12+59.08, STA. -Y3- 10+00.00 TO STA. -Y3- 12+09.12, -G1- 10+00.00 TO STA. -G1- 13+00.00, AND -G2- 10+05.00 TO STA. -G2- 14+12.77:

STEP 1:

- CONTRACTOR TO INSTALL TEMPORARY GRAVEL PATH ALONG GRADE, WITHIN THE PROPOSED RIGHT-OF-WAY, TO MAINTAIN PEDESTRIAN ACCESS TO EXISTING FACILITIES BETWEEN -L- BAILEY ROAD EXTENSION AND -Y3- POOLE PLACE DRIVE.

STEP 2:

- CONSTRUCT NEW LOCATION ALONG -L- BAILEY ROAD EXTENSION, USING RSD 1101.02 SHEET 1 OF 19, FROM STA. -L- 10+09.45 TO STA. -L- 28+96.00 AS SHOWN ON TMP-4 THRU TMP-6.
- CONSTRUCT WIDENING AND TEMPORARY PAVEMENT ALONG -L- BAILEY ROAD EXTENSION, USING RSD 1101.04 SHEET 1 OF 2, FROM STA. -L- 29+09.92 TO STA. -L- 29+98.47 AS SHOWN ON TMP-6 ONCE NEW LOCATION IS COMPLETE.
- CONSTRUCT -Y2- BAILEY ROAD, USING RSD 1101.04 SHEET 1 OF 1, AS SHOWN ON TMP-6.
- CONSTRUCT -Y3- POOLE PLACE DRIVE, USING RSD 1101.02 SHEET 3 OF 9, FROM STA. -Y3- 10+00.00 TO STA. -Y3- 12+09.12 AS SHOWN ON TMP-6.
- CONSTRUCT -G2- CALDWELL STATION CREEK GREENWAY TRAIL FROM STA. -G2- 10+05.00 TO STA. -G2- 14+12.77 AS SHOWN ON TMP-5.
- CONTRACTOR TO INSTALL -G2- CALDWELL STATION CREEK GREENWAY CONNECTION TO THE -G1- CALDWELL STATION CREEK GREENWAY IMPROVEMENTS UTILIZING DETOUR, AS SHOWN ON TMP-2 AND TMP-5.
- CONTRACTOR TO CONSTRUCT UP TO THE EDGE AND ELEVATION OF THE EXISTING ROADWAY, BY THE END OF EACH WORKDAY, AND SET DRUMS APPROPRIATELY PER RSD 1101.04 SHEET 1 OF 1.
- CONTRACTOR TO GRADE BETWEEN -L- PROPOSED AND -L- EXISTING TO PROVIDE POSITIVE DRAINAGE TO LOW POINTS.
- INSTALL SURFACE MOUNTED CONCRETE MEDIANS ON WESTERN -L- BAILEY ROAD EXTENSION, -Y2- BAILEY ROAD AND -Y3- POOLE PLACE DRIVE.
- CONTRACTOR TO INSTALL NEW LOCATION -RBT- AS SHOWN ON TMP-6.
- INSTALL ASSOCIATED DRAINAGE AS SHOWN ON SHEETS TMP-4 THRU TMP-6.

PROVIDE WEDGING AS REQUIRED FOR POSITIVE DRAINAGE AND SMOOTH TRANSITIONS BETWEEN EXISTING AND PROPOSED GRADES.

PHASE 2

AWAY FROM TRAFFIC AND USING LANE CLOSURES AS AS NECESSARY, WHILE MAINTAINING EXISTING TRAFFIC PATTERNS AND ACCESS TO ALL PROPERTIES, CONSTRUCT THE FOLLOWING FROM STA. -L- 28+84.37 TO STA. -L- 34+66.46 LT, STA. -Y2- 10+38.00 TO STA. -Y2- 13+01.80, STA. -Y3- 10+00.00 TO STA. -Y3- 12+30.00, AND -Y4- 10+00.00 TO -Y4- 10+85.00:

STEP 1:

- CONTRACTOR TO MAINTAIN TEMPORARY GRAVEL PATH ALONG GRADE FROM PREVIOUS PHASE.

STEP 2:

- CONTRACTOR TO PERFORM WEDGING TO MAINTAIN ACCESS BETWEEN THE ROUNDABOUT AND -L- BAILEY ROAD EXTENSION, USING NCDOT RSD 1101.02 SHEET 1 OF 19, FROM STA. -L- 28+87.97 TO STA. -L- 29+38.19 AS SHOWN ON TMP-7.
- CONTRACTOR TO PERFORM WEDGING TO MAINTAIN ACCESS BETWEEN THE ROUNDABOUT AND CONNECTION TO -Y2- EXISTING BAILEY ROAD, USING NCDOT RSD 1101.02 SHEET 1 OF 19, FROM STA. -Y2- 10+00.00 TO STA. -Y2- 13+01.80 AS SHOWN ON TMP-7.

STEP 3:

- CONSTRUCT NEW LOCATION WIDENING AND INSTALL ASSOCIATED DRAINAGE ALONG LEFT SIDE OF -L- BAILEY ROAD EXTENSION AND RIGHT SIDE OF -Y2- EXISTING BAILEY ROAD AND -Y3- POOLE PLACE DRIVE, USING NCDOT RSD 1101.02 SHEET 1 OF 19.
- CONTRACTOR TO INSTALL TEMPORARY STRIPING AND CONE ISLANDS, AS SHOWN ON TMP-7, UTILIZING FLAGGER CONTROL AND LANE CLOSURES, USING NCDOT RSD 1101.02 SHEET 18 OF 19.

COMPLETE THE WORK OF PHASE 2, STEP 4 WITHIN 45 CONSECUTIVE CALENDAR DAYS (SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES)

STEP 4:

- CONSTRUCT NEW LOCATION ON BOTH SIDES OF -Y4- PSALMS STREET, USING NCDOT RSD 1101.03 SHEET 8 OF 9 AND DETOUR AS SHOWN ON TMP-2A AND TMP-7.

PHASE 2 (CONT'D)

COMPLETE THE WORK OF PHASE 2, STEP 5 WITHIN 45 CONSECUTIVE CALENDAR DAYS (SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES)

STEP 5:

- CONTRACTOR TO CONSTRUCT NEW LOCATION AND PERFORM WEDGING TO MAINTAIN ACCESS BETWEEN THE ROUNDABOUT AND CONNECTION TO -Y3- POOLE PLACE DRIVE, USING NCDOT RSD 1101.02 SHEET 1 OF 19 AND NCDOT RSD 1101.03 SHEET 8 OF 9, FROM STA. -Y3- 10+00.00 TO STA. -Y3- 10+80.00 AS SHOWN ON TMP-2B AND TMP-7.

PROVIDE WEDGING AS REQUIRED FOR POSITIVE DRAINAGE AND SMOOTH TRANSITIONS BETWEEN EXISTING AND PROPOSED GRADES.

PHASE 3

AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, WHILE MAINTAINING EXISTING TRAFFIC PATTERNS AND ACCESS TO ALL PROPERTIES, CONSTRUCT THE FOLLOWING FROM STA. -L- 28+86.00 TO STA. -L- 34+50.00 AND STA. -Y3- 11+84.63 TO STA. -Y3- 12+28.07:

STEP 1:

- CONSTRUCT WIDENING ALONG RIGHT SIDE OF -L- BAILEY ROAD EXTENSION AND -Y3- POOLE PLACE DRIVE FROM STA. -L- 28+86.00 TO STA. -L- 34+50.00 AND STA. -Y3- 11+84.63 TO STA. -Y3- 12+28.07, USING RSD 1101.02 SHEET 1 OF 19, AS SHOWN ON TMP-8.
- CONTRACTOR TO INSTALL TEMPORARY STRIPING AND CONE ISLAND, AS SHOWN ON TMP-8, UTILIZING FLAGGER CONTROL AND LANE SHIFTS IN ACCORDANCE WITH NCDOT ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 18 OF 19.
- INSTALL ASSOCIATED DRAINAGE AS SHOWN ON SHEETS TMP-8.

PROVIDE WEDGING AS REQUIRED FOR POSITIVE DRAINAGE AND SMOOTH TRANSITIONS BETWEEN EXISTING AND PROPOSED GRADES.

PHASE 4

USING RSD 1101.02 SHEET 18 OF 19, WHILE MAINTAINING EXISTING TRAFFIC PATTERNS AND ACCESS TO ALL PROPERTIES, CONSTRUCT THE FOLLOWING FROM STA. -L- 28+89.52 TO STA. -L- 29+61.15:

STEP 1:

- INSTALL FINAL SIGNAL 10-2507 (SEE SIGNAL PLANS) AS SHOWN ON TMP-9.

STEP 2:


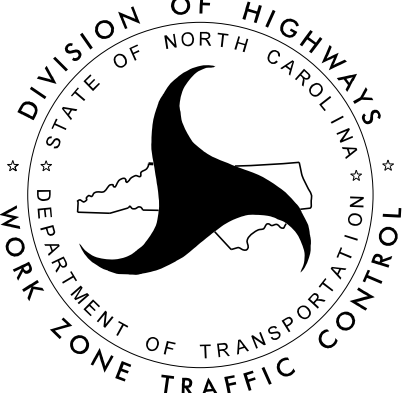
- INSTALL SURFACE MOUNTED CONCRETE MEDIAN UNDER FLAGGER CONTROL, AT NIGHT ON -L- BAILEY ROAD EXTENSION, USING NCDOT RSD 1101.02 SHEET 18 OF 19, AS SHOWN ON SHEET TMP-10.

STEP 3:

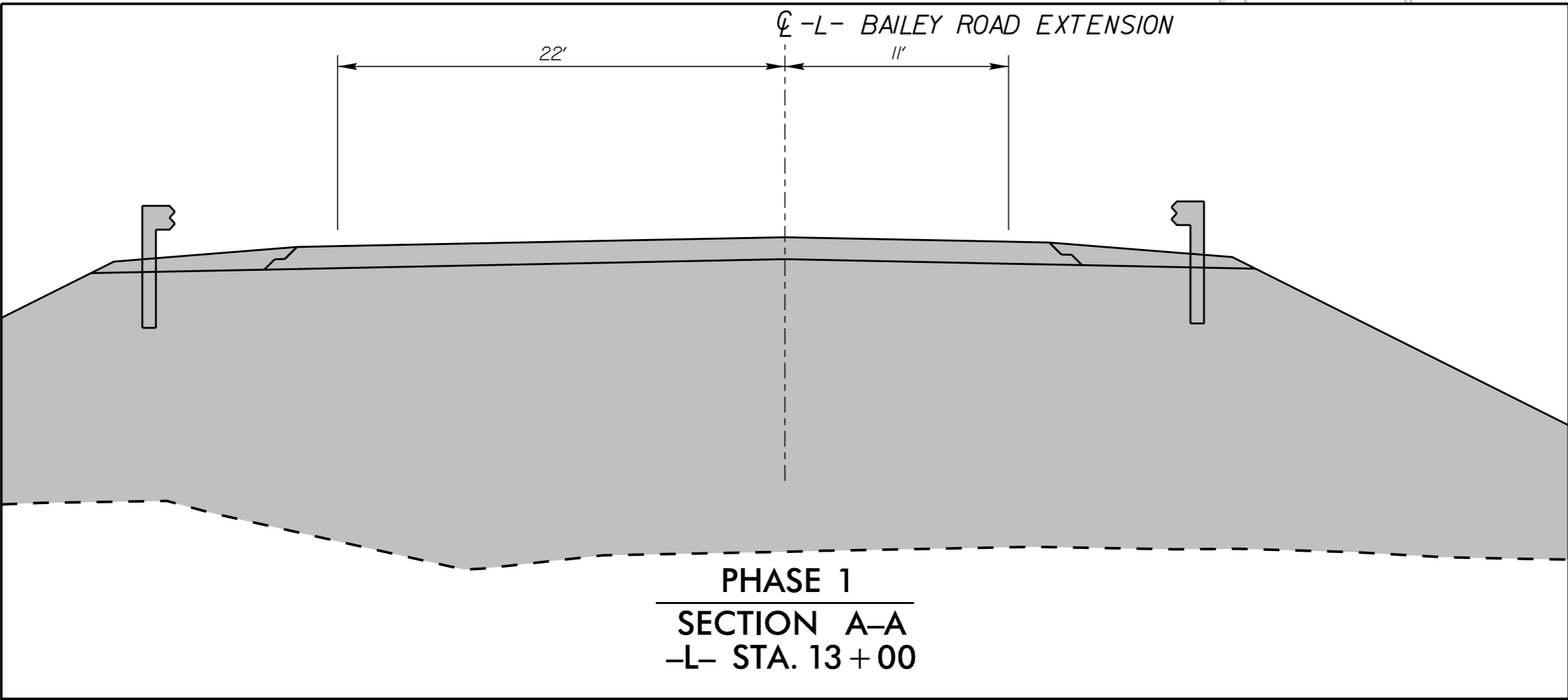
- PLACE FINAL LAYER OF ASPHALT, FINAL PAVEMENT MARKINGS, MARKERS AND SIGNING FOR ENTIRE PROJECT USING NCDOT RSD 1101.02 SHEET 18 OF 19 (SEE PAVEMENT MARKING PLANS).
- SHIFT TRAFFIC ONTO FINAL PATTERN AND REMOVE ALL TRAFFIC CONTROL DEVICES.

Kimley»Horn

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APPROVED: _____ DATE: _____			PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-6105	TMP-4



THE CHARLOTTE-MECKLENBURG
HOSPITAL AUTHORITY
DB 34138 PG 44

KAY DWYER, COOKE
DB 32527 PG 264
DB 33338 PG 183

BEGIN CONSTRUCTION
-L- Sta. 10+09.45

PERMANENT DRAINAGE
STRUCTURE #0403
PERMANENT 36" RCP
PERMANENT DRAINAGE
STRUCTURE #0402

R11-2
48" x 30"
ROAD
CLOSED
TYPE III BARRICADE(S)

PERMANENT DRAINAGE
STRUCTURE #0405

-L- BAILEY ROAD EXTENSION

PERMANENT 60" RCP-IV
PERMANENT DRAINAGE
STRUCTURE #0406

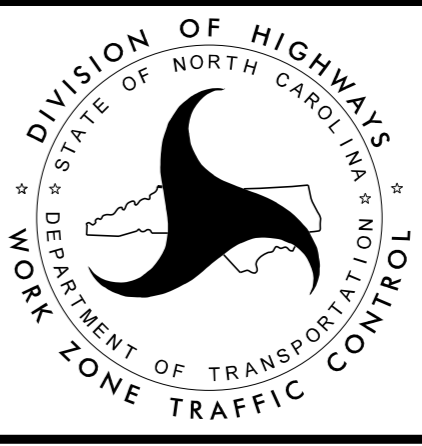
MATCHLINE -L- STA 15+00 (SEE SHEET TMP-5)

INTERNATIONAL CHURCH OF THE
FOURSQUARE GOSPEL
DB 6628 PG 178

STATESVILLE ROAD (US 21)

Kimley»Horn

APPROVED: _____ DATE: _____



PHASE 1
TRAFFIC CONTROL
DETAILS

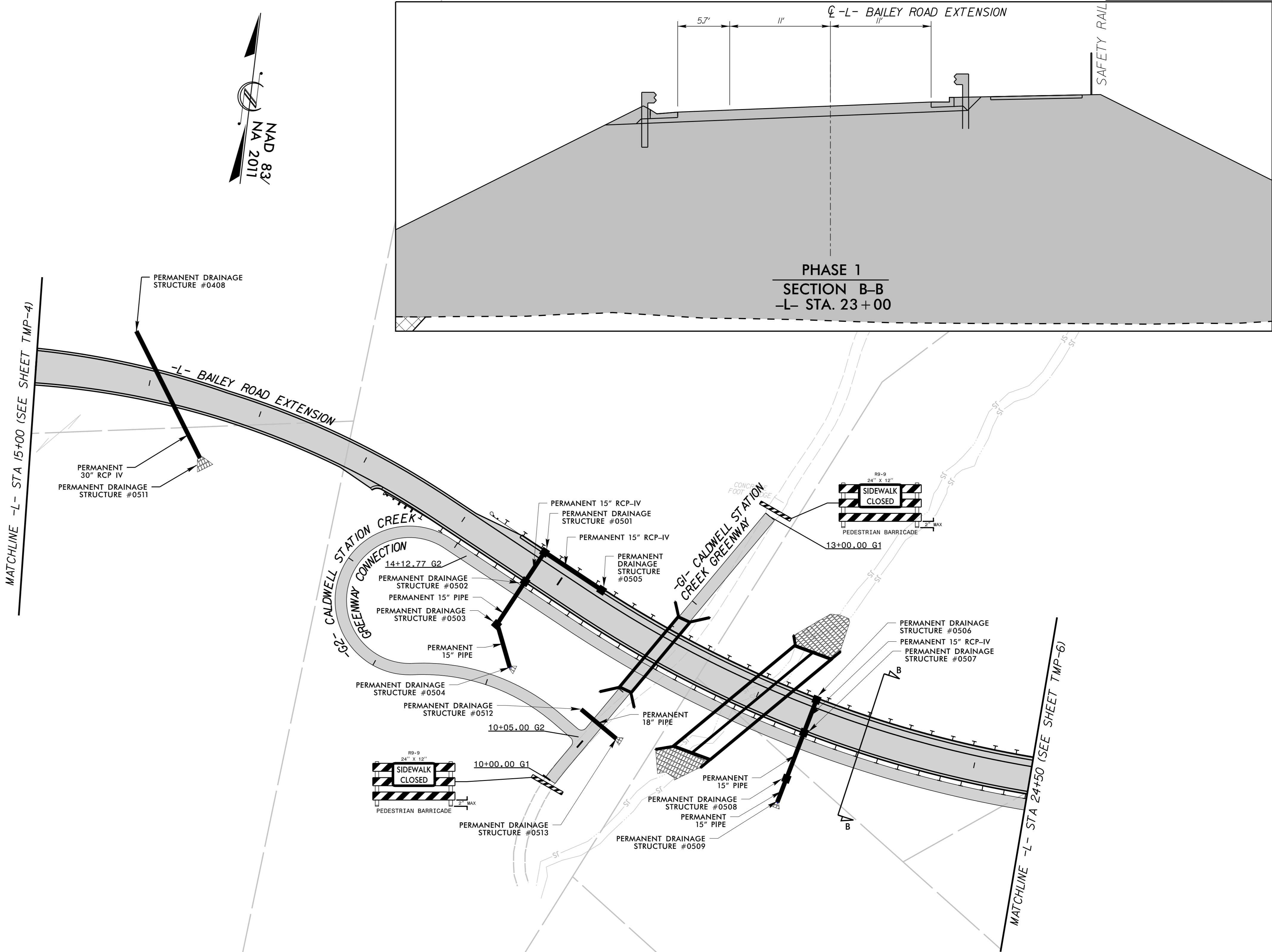
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8/28/2025

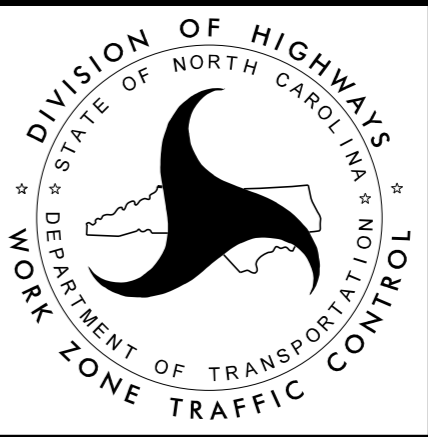
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8/28/2025

PROJ. REFERENCE NO.	SHEET NO.
U-6105	TMP-5

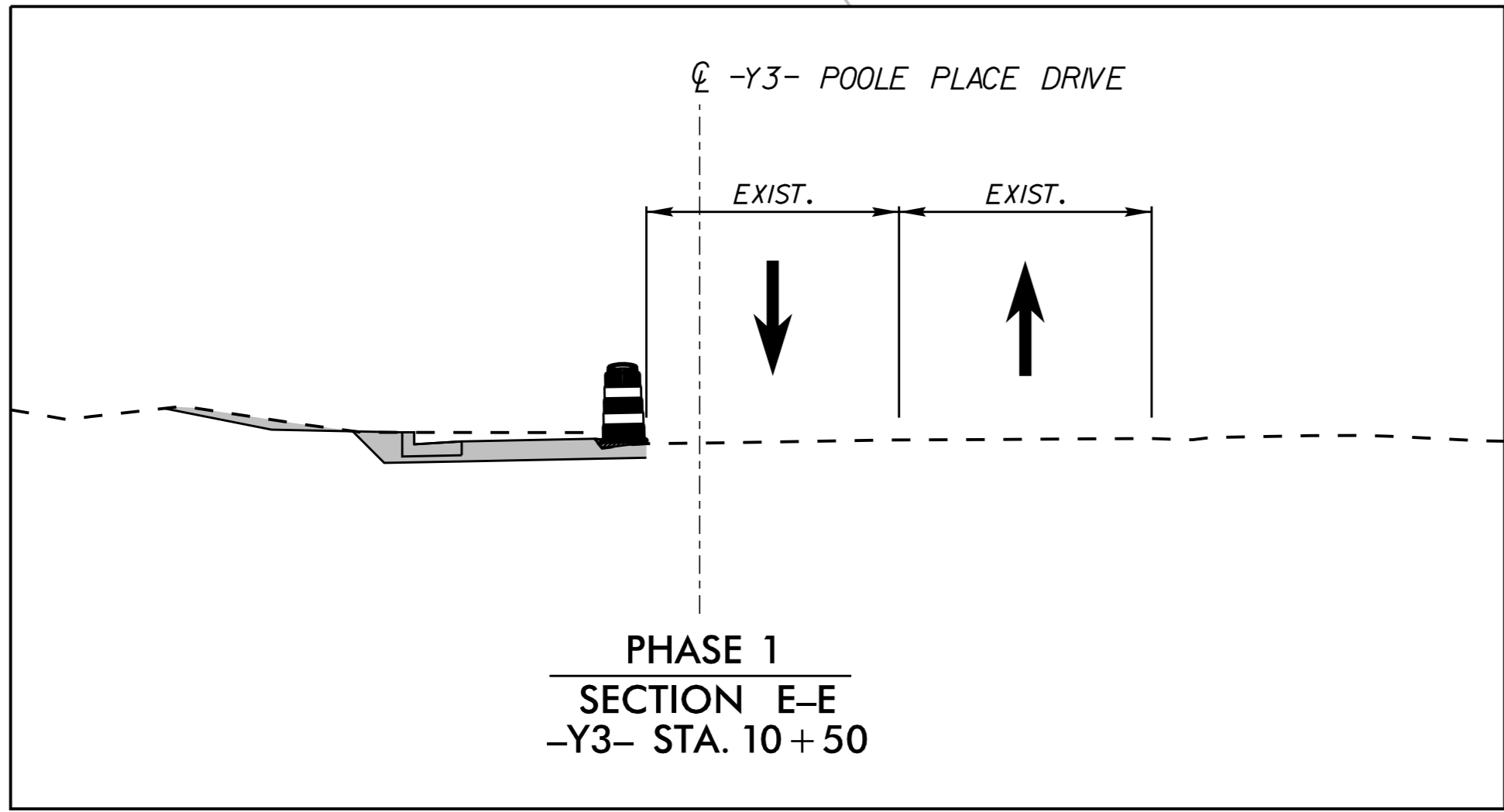
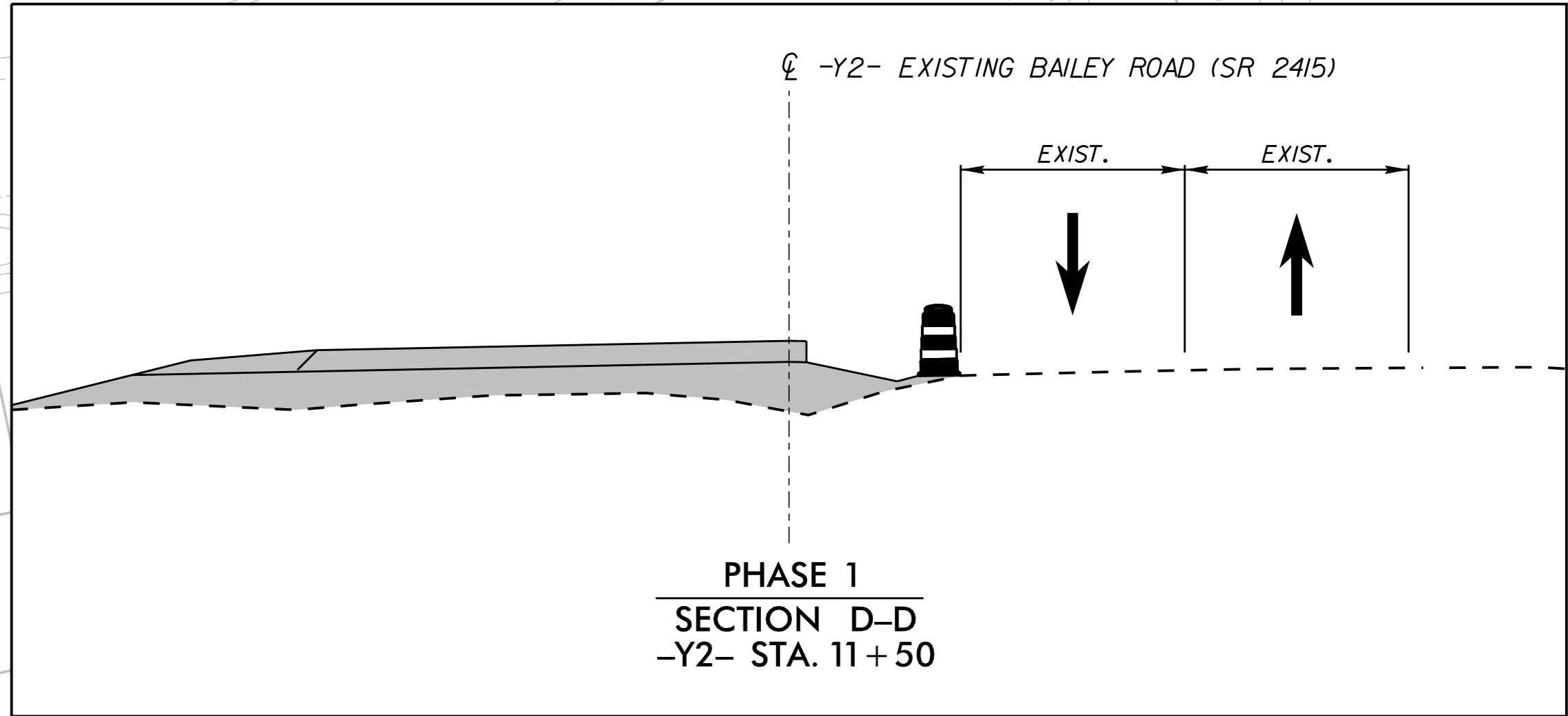
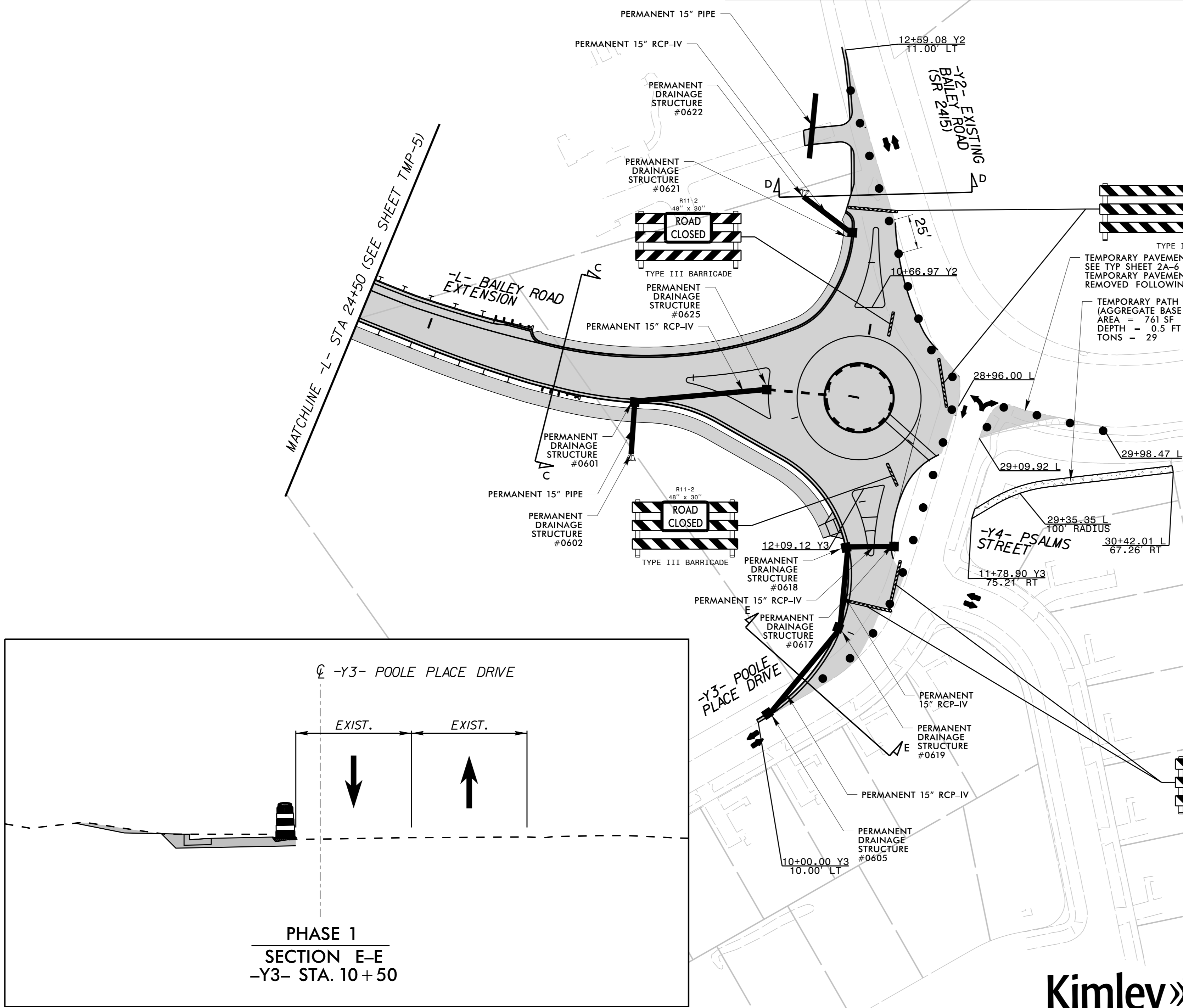
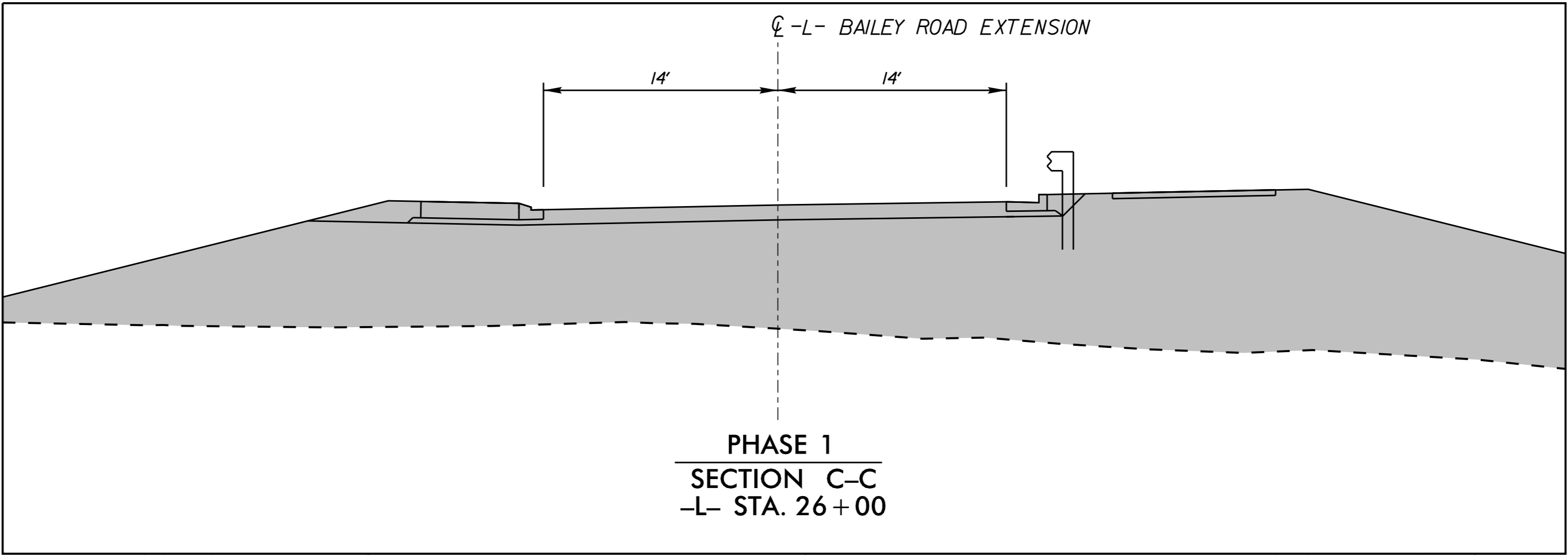
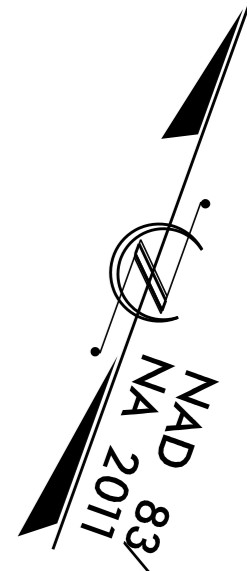


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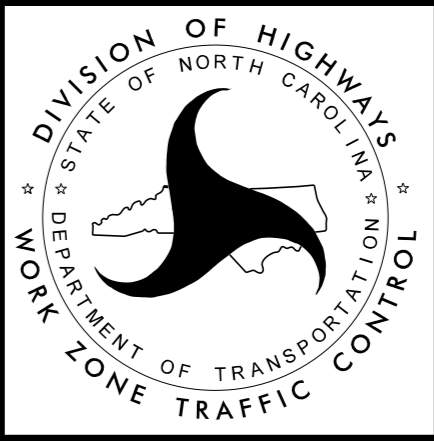


PHASE 1
TRAFFIC CONTROL
DETAILS

PROJ. REFERENCE NO.	SHEET NO.
U-6105	TMP-6

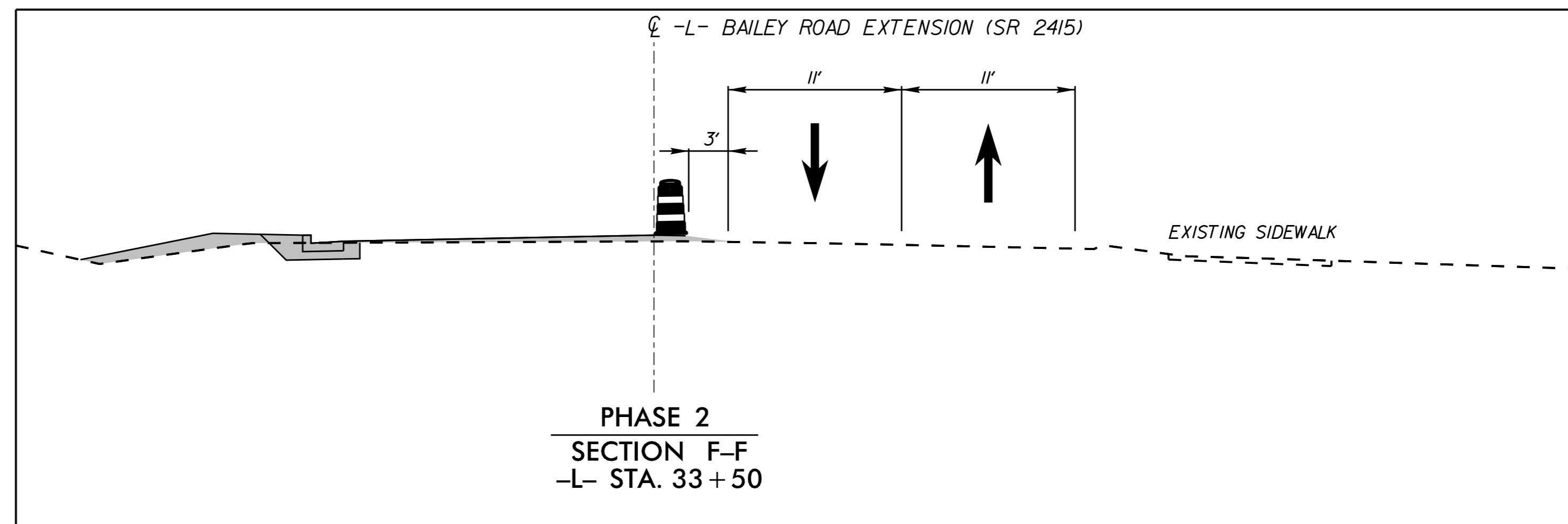


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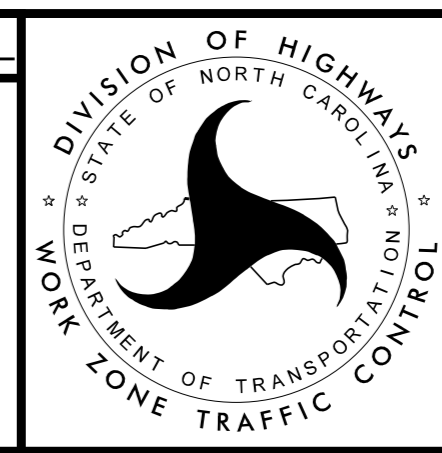
PHASE 1 TRAFFIC CONTROL DETAILS

MAD 83
NA 2011



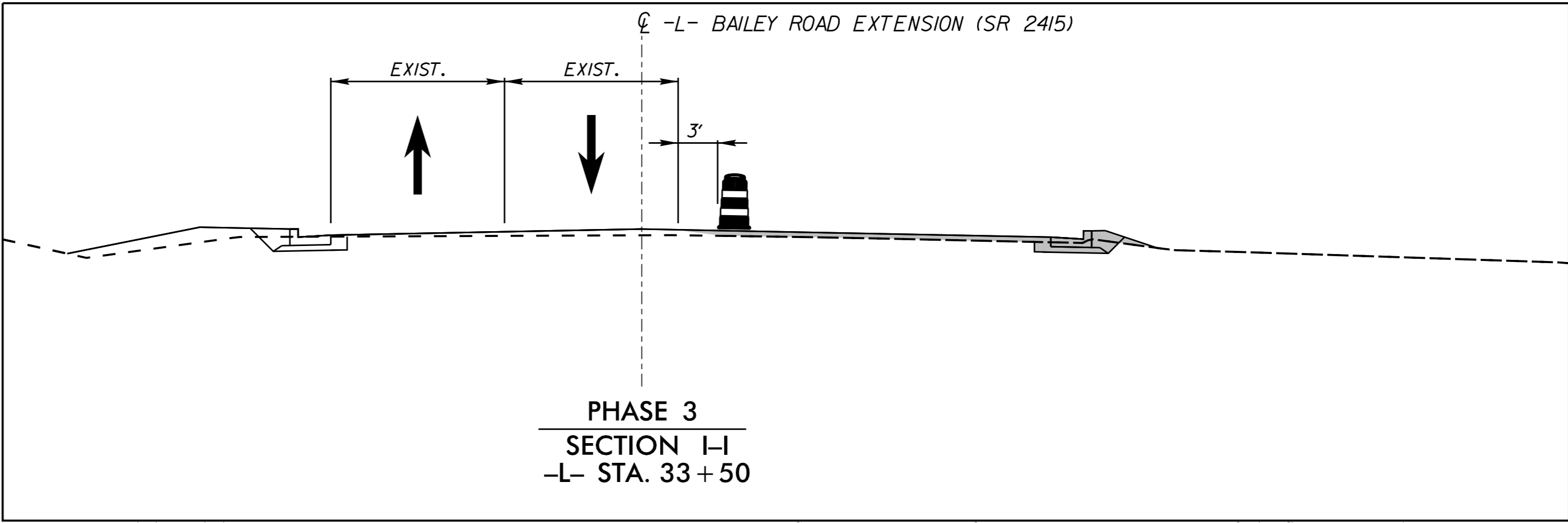
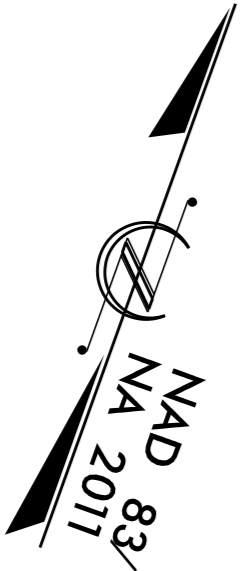
APPROVED: _____ DATE: _____

SEAL of the
NORTH CAROLINA
PROFESSIONAL
ENGINEERING BOARD
0326 Spring
2025
JASON D. LANE
12/25/2025

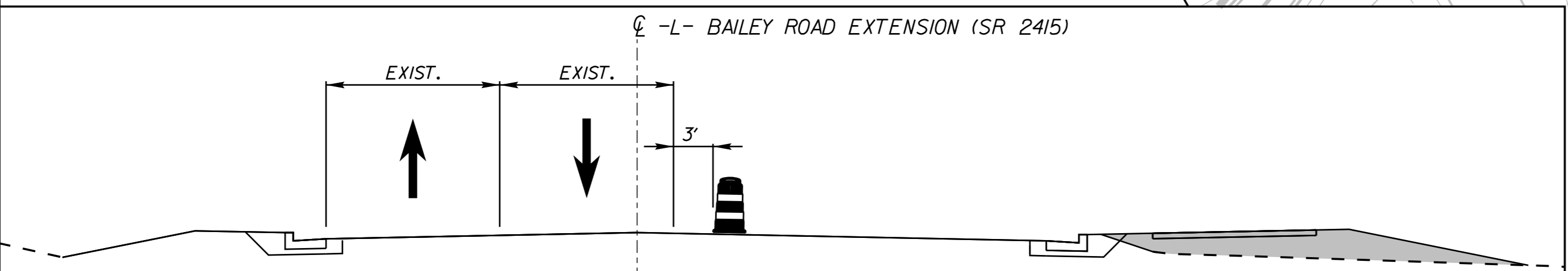
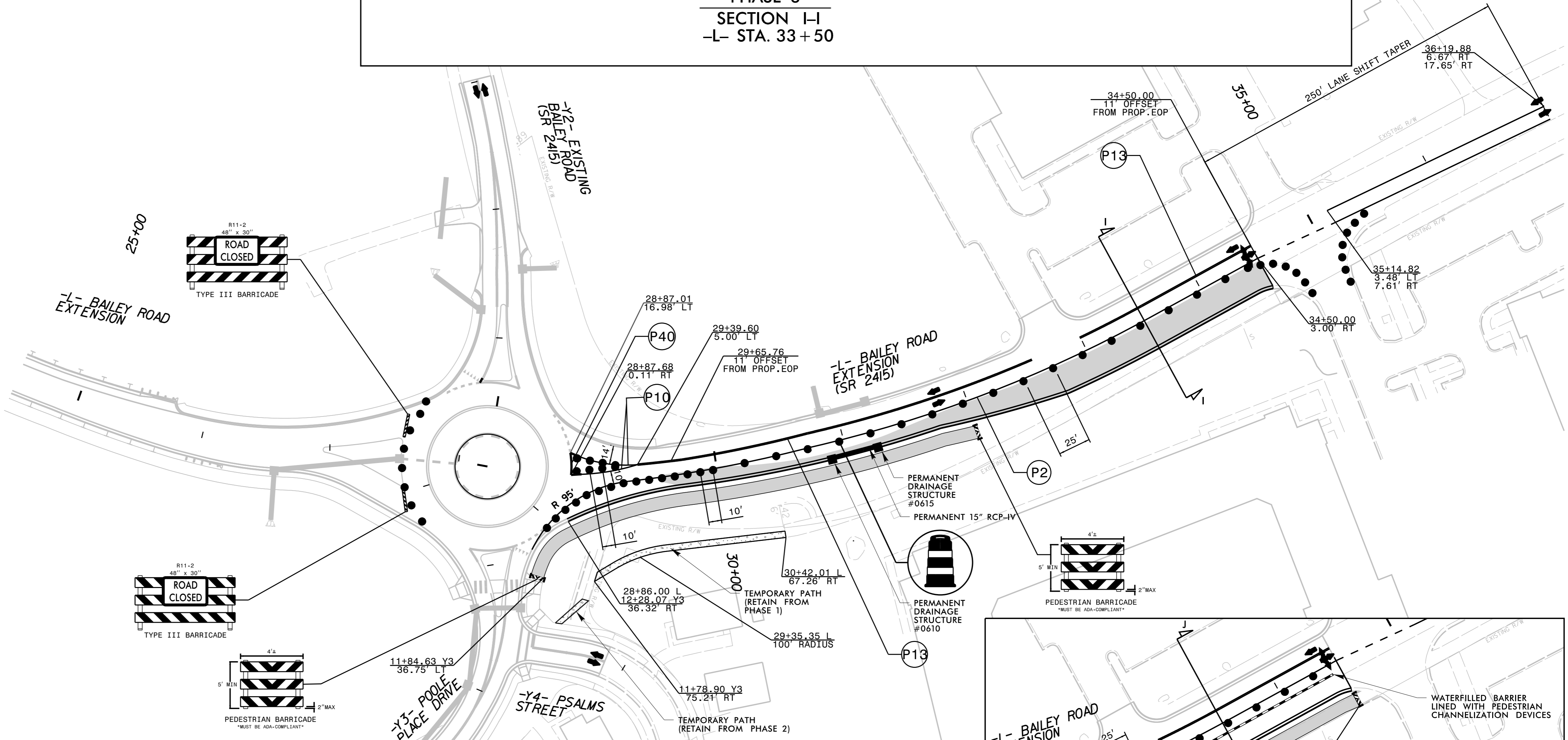


PHASE 2 TRAFFIC CONTROL DETAILS

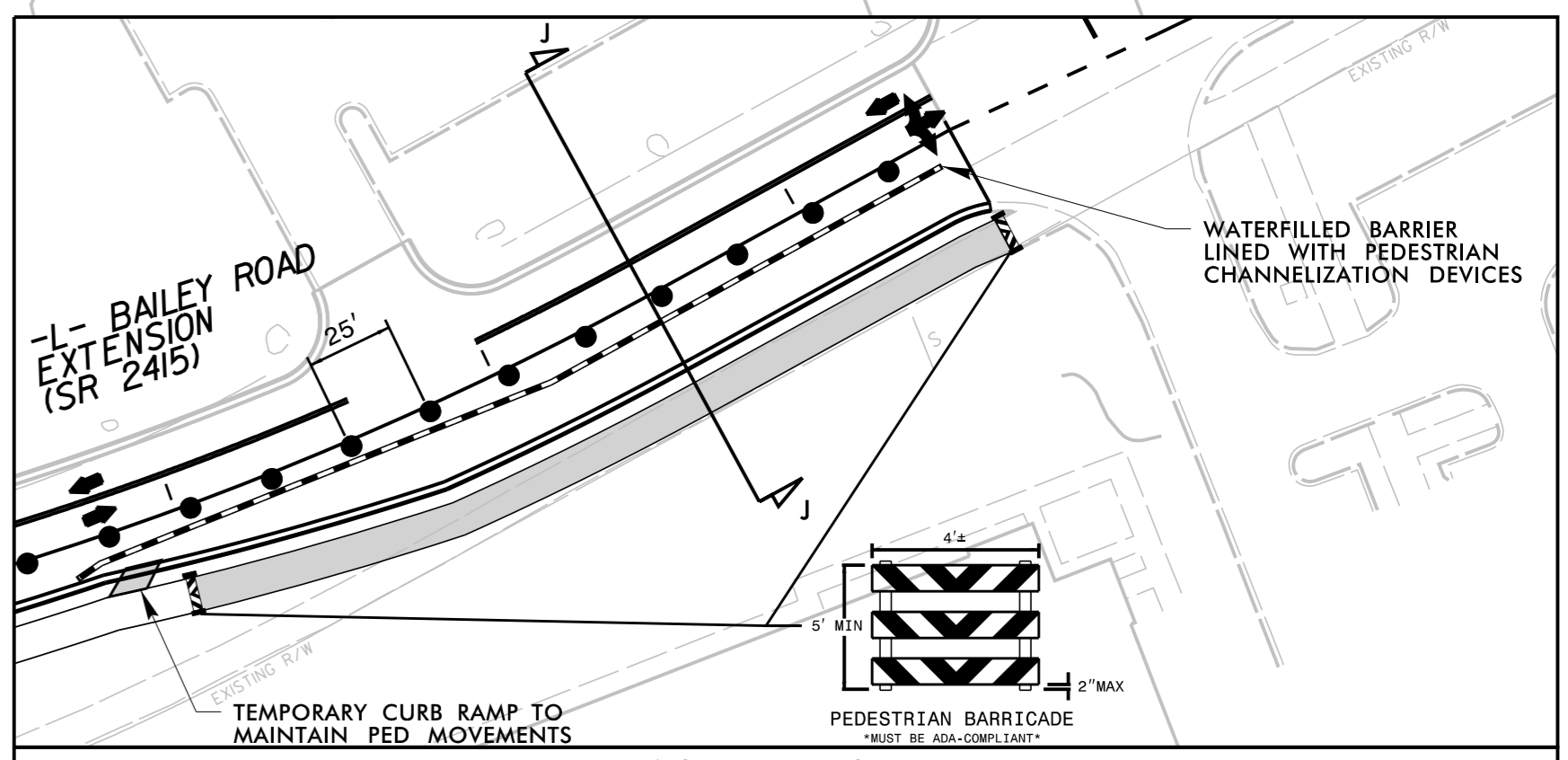
PROJ. REFERENCE NO.	SHEET NO.
U-6105	TMP-8



PHASE 3
SECTION I-I
-L- STA. 33+50



PHASE 3 - STEP 2
SECTION J-J
-L- STA. 33+50



PHASE 3 - STEP 2

APPROVED: _____ DATE: _____

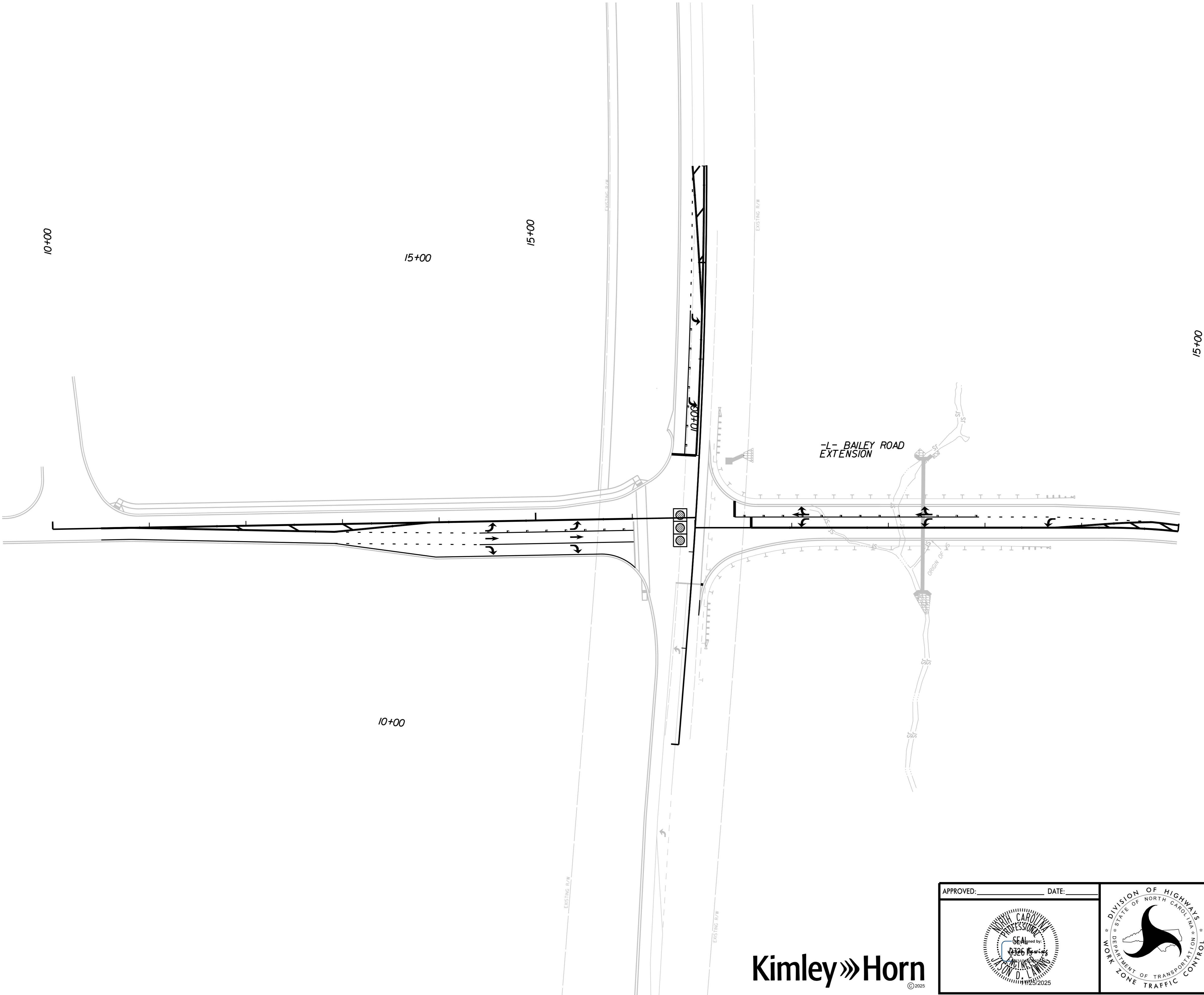
**PHASE 3
TRAFFIC CONTROL
DETAILS**



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8/26/2025



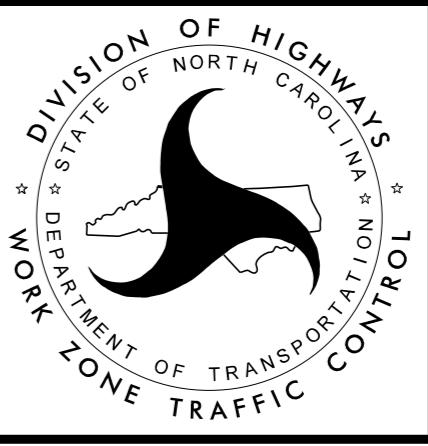
PROJ. REFERENCE NO.	SHEET NO.
U-6105	TMP-9



Kimley»Horn

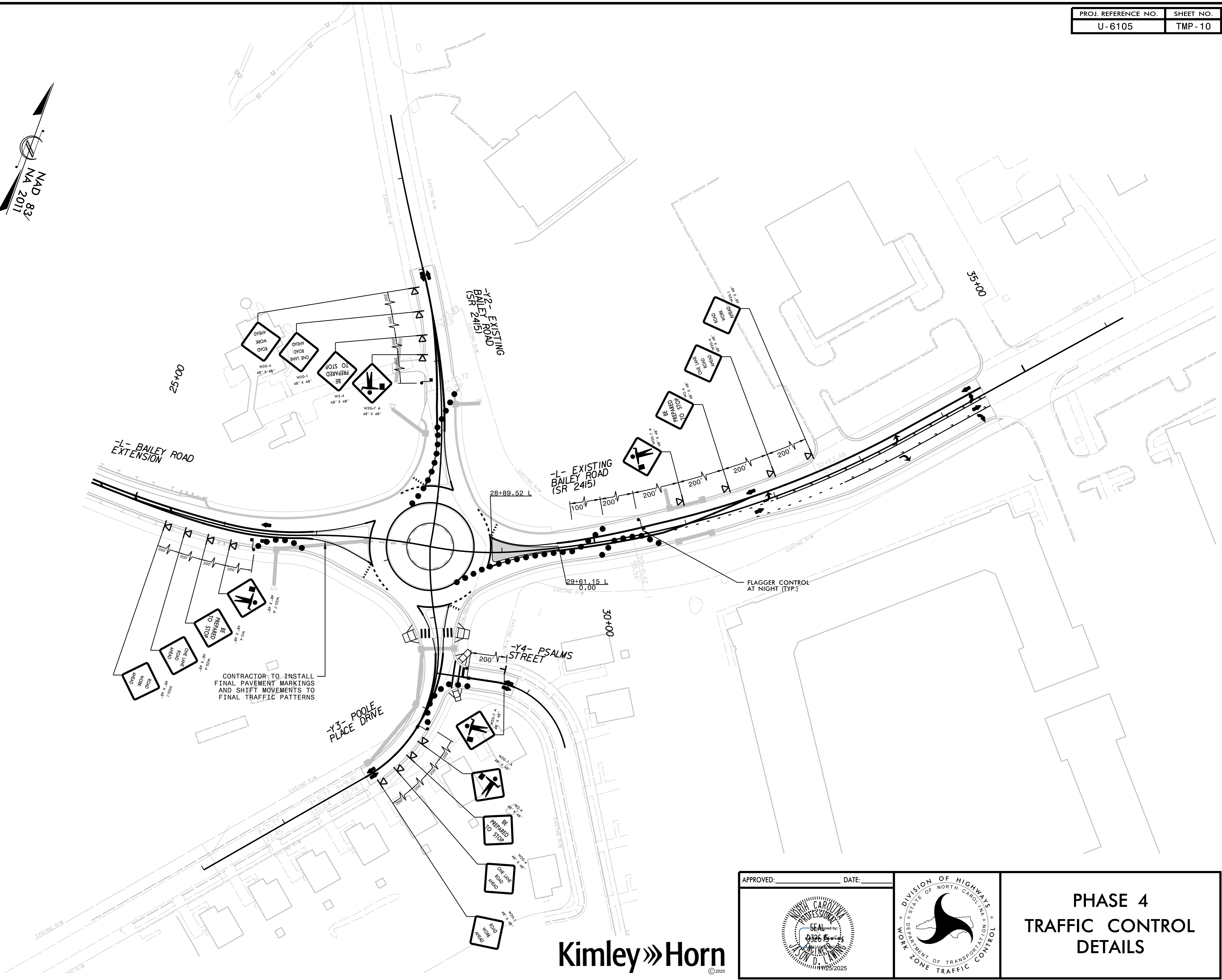
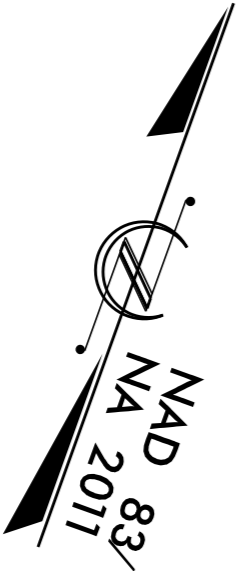
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PHASE 4
TRAFFIC CONTROL
DETAILS

PROJ. REFERENCE NO.	SHEET NO.
U-6105	TMP-10

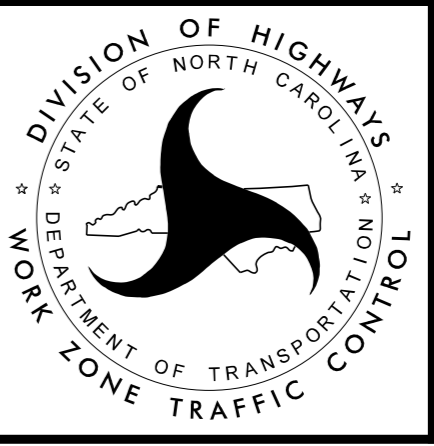


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8/26/2025



APPROVED: _____ DATE: _____



PHASE 4

TRAFFIC CONTROL

DETAILS