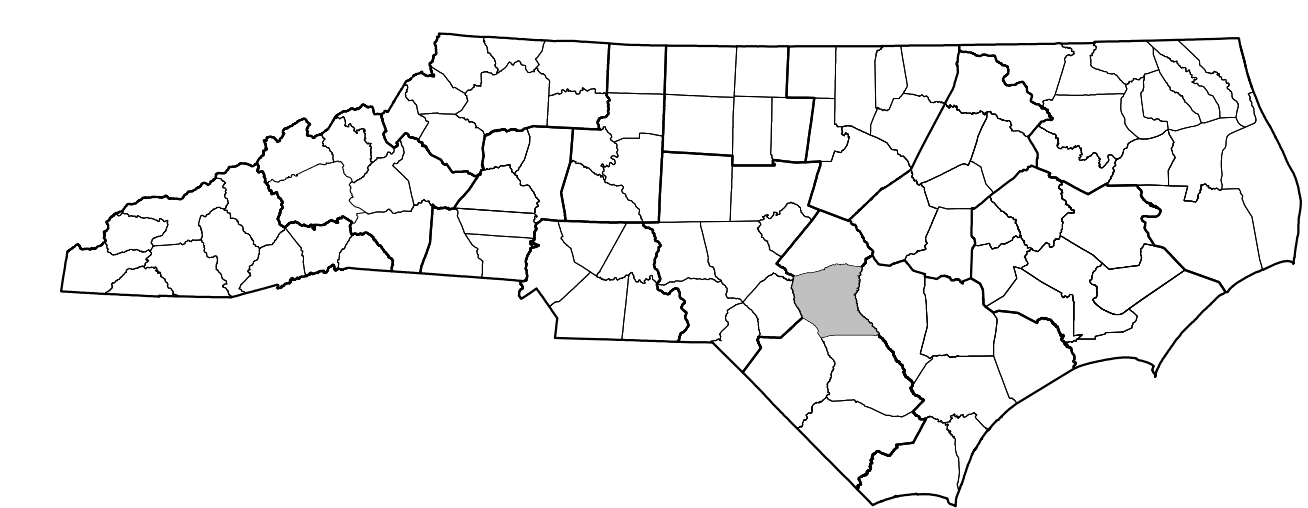


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

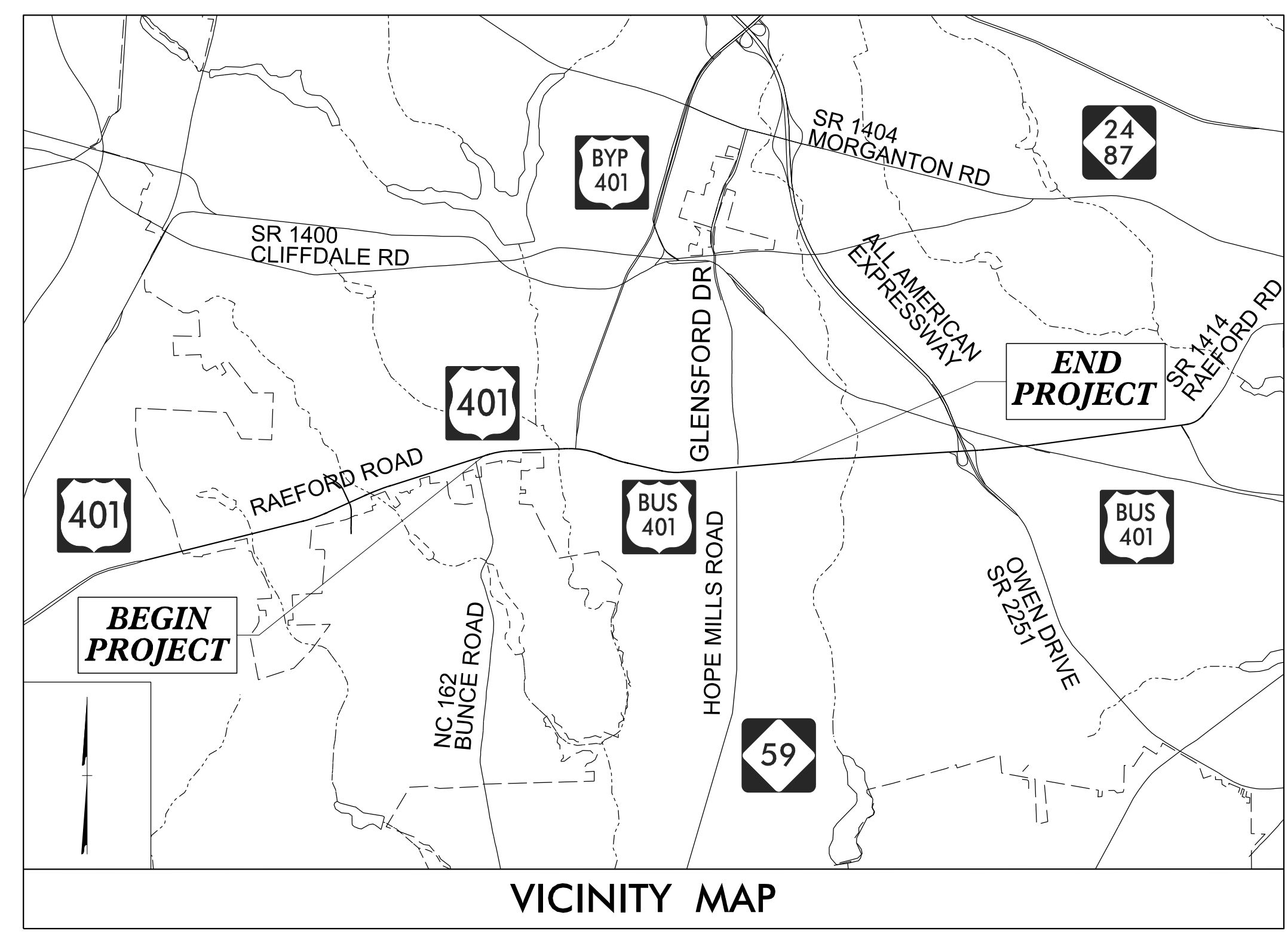
TRANSPORTATION MANAGEMENT PLAN

CUMBERLAND COUNTY

DIVISION 6



US 401 FROM EAST OF NC 162 (BUNCE RD) TO EAST OF BRIGHTON RD IN FAYETTEVILLE

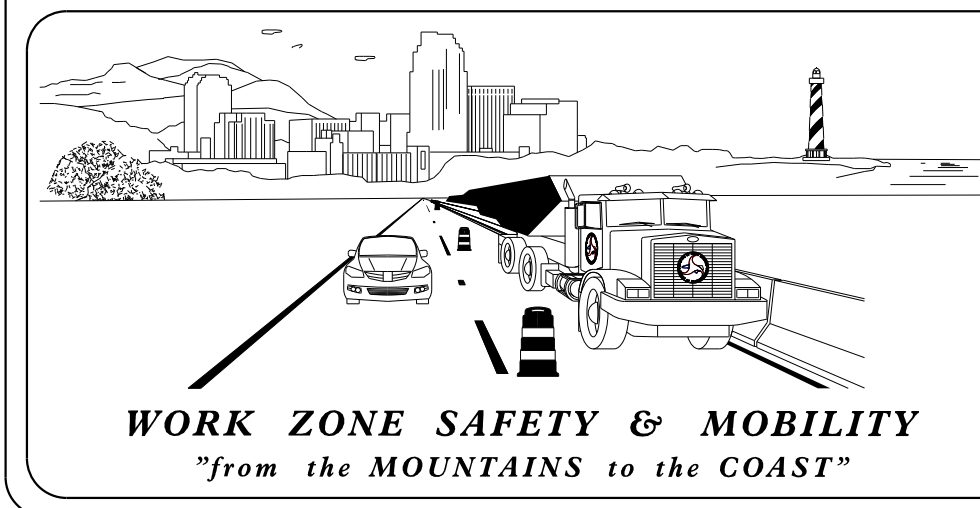


VICINITY MAP

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,1C	GENERAL NOTES
TMP-2	PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS
TMP-2A	TEMPORARY SHORING NOTES
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4	CULVERT SHORING DETAIL
TMP-5	SIDEWALK CLOSURE DETAIL
TMP-6	PHASE I & II OUTSIDE WIDENING CONSTRUCTION DETAILS
TMP-7	PHASE I & II OUTSIDE WIDENING CONSTRUCTION TYPICAL DRAWING
TMP-8	-Y18- EUCALYPTUS RD DETOUR ROUTE
TMP-9	US 401 -L- AT NC 59 PHASE I INTERSECTION DETAIL
TMP-10	PHASE III MEDIAN CONSTRUCTION DETAILS
TMP-11-13	US 401 -L- PHASE III STEP 2
TMP-14-15	US 401 -L- PHASE III STEP 3
TMP-16	US 401 -L- AT NC 59 PHASE III INTERSECTION DETAIL

TIP PROJECT: U-4405B

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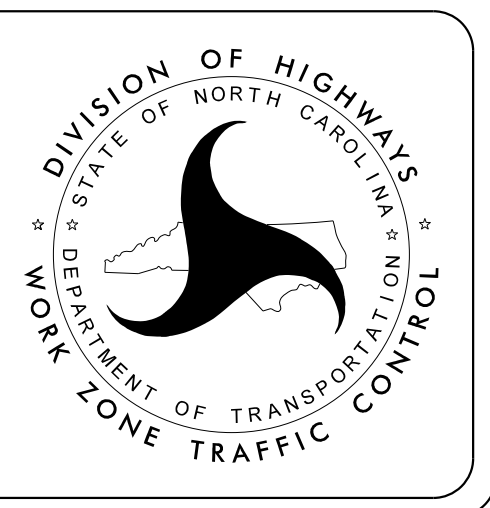
J. W. WOOLARD, PE
SENIOR TRANSPORTATION ENGINEER

D. E. RICHARDSON
TRANSPORTATION DESIGNER

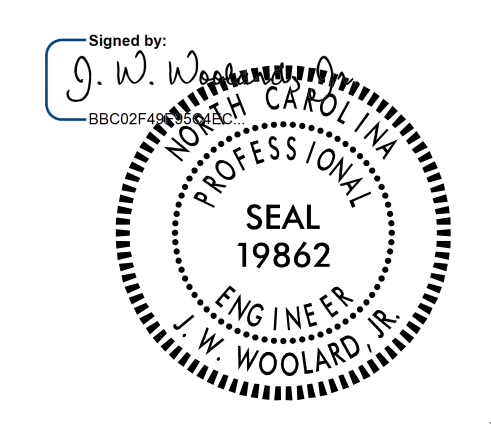
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ROADWAY STANDARD DRAWINGS

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

STD. NO.	TITLE
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
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1170.01	PORTABLE CONCRETE BARRIER
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
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
- EXIST. PVMT.
- PROPOSED PVMT.
- NORTH ARROW
- TEMP. SHORING (LOCATION PURPOSES ONLY)
- WORK AREA
- PREVIOUSLY STARTED / CONCURRENT CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY MARKINGS
- PREVIOUSLY PLACED
- WHITE EDGE LINE
- YELLOW EDGE LINE
- BROKEN LANE LINES
- MINISKIP LANE LINES
- DOUBLE YELLOW LINES
- GORELINE
- STOP BAR

PAVEMENT MARKING SYMBOLS

- EXISTING PAVEMENT MARKING SYMBOLS (HOLLOW)
- TEMPORARY SYMBOLS
- PREVIOUSLY PLACED
- PAVEMENT MARKING SYMBOLS ONLY
- PAVEMENT MARKING ALPHANUMERIC CHARACTERS ONLY

TRAFFIC CONTROL DEVICES

- | TEMPORARY DEVICES | PREVIOUSLY PLACED | |
|-------------------|-------------------|--------------------------------|
| | | BARRICADE (TYPE III) |
| | | CONE |
| | | DRUM |
| | | FLASHING ARROW BOARD |
| | | FLAGGER |
| | | LAW ENFORCEMENT |
| | | TRUCK MOUNTED ATTENUATOR (TMA) |
| | | CHANGEABLE MESSAGE SIGN |
| | | TEMPORARY CRASH CUSHION |
| | | PORTABLE CONCRETE BARRIER |

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

TEMPORARY SIGNING

- | TEMPORARY SIGNS | PREVIOUSLY PLACED | |
|-----------------|-------------------|-----------------------------|
| | | PORTABLE SIGN |
| | | STATIONARY SIGN |
| | | STATIONARY OR PORTABLE SIGN |

PAVEMENT MARKERS

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

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GENERAL NOTES

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

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

TIME RESTRICTIONS

A) DO NOT CLOSE TWO (2) TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
-L- (RAEFORD RD) AND -Y13- (SKIBO RD)	6:00 AM TO 7:00 PM MONDAY THRU SUNDAY

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

- | ROAD NAME | HOLIDAY |
|-----------|---------|
| ALL ROADS | |
- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
 - FOR NEW YEAR'S DAY, BETWEEN THE HOURS OF 6:00 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 6:00 AM THURSDAY AND 7:00 PM MONDAY.
 - FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 7:00 PM TUESDAY.
 - FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 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 6:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.
 - FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 7:00 PM TUESDAY.
 - FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 AM TUESDAY TO 7:00 PM MONDAY.
 - FOR CHRISTMAS SEASON, BETWEEN THE HOURS OF 6:00 AM THE TUESDAY BEFORE THANKSGIVING 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.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
ALL ROADS	6:00 AM TO 7:00 PM MONDAY THRU SUNDAY	15 MINUTES TRAFFIC SHIFTS

D) DO NOT CONDUCT MULTIPLE VEHICLE HAULING AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
-L- (RAEFORD RD)	6:00 AM TO 7:00 PM MONDAY THRU SUNDAY

LANE AND SHOULDER CLOSURE REQUIREMENTS

- 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.
- 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.
- 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.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRANSPORTATION MANAGEMENT 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.
- 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.
- DO NOT INSTALL MORE THAN 0.5 MILES OF LANE CLOSURE ON RAEFORD RD (-L-) MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- DO NOT INSTALL MORE THAN 2 SIMULTANEOUS LANE CLOSURES IN ANY ONE DIRECTION ON RAEFORD RD (-L-).
- PROVIDE A MINIMUM OF 1 MILE BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE BEGINNING OF THE MERGE TAPER OF THE NEXT LANE CLOSURE.
- PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPEN TRAVEL LANE THAT HAS A 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.
- 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 ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.


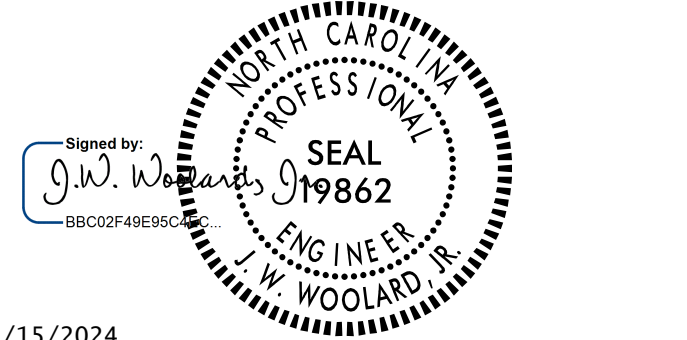
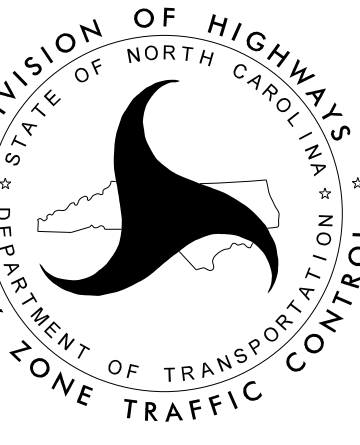
TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- 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.
- PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRANSPORTATION MANAGEMENT PLANS.
 - AND
 - PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRANSPORTATION MANAGEMENT PLANS.
- ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- 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.

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GENERAL NOTES

TRAFFIC BARRIER

U) 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.

V) 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:

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

W) 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.

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

Y) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS, CONES OR SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON (500 FT) CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

Z) INSTALL TEMPORARY PAVEMENT MARKINGS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING
ALL ROADS	PAINT

AA) 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.

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

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

DD) TRACE THE (EXISTING AND/OR PROPOSED) MONOLITHIC ISLAND LOCATIONS WITH THE PROPER COLOR PAVEMENT MARKING PRIOR TO (REMOVAL AND/OR INSTALLATION). PLACE (DRUMS, CONES, OR TUBULAR MARKERS) TO DELINEATE ANY (EXISTING AND/OR PROPOSED) MONOLITHIC ISLANDS (AFTER REMOVAL AND/OR BEFORE INSTALLATION).

MISCELLANEOUS

EE) USE LAW ENFORCEMENT TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND OR INTERSECTIONS AS SHOWN IN PLANS OR DIRECTED BY THE ENGINEER.

FF) 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.

GG) 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 BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

HH) MAINTAIN VEHICULAR ACCESS TO ALL DRIVEWAYS DURING THE LIFE OF THE CONTRACT, UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER. USE INCIDENTAL STONE WHEN NECESSARY.

II) ALL DIMENSIONS AND STATIONS IN THE TRANSPORTATION MANAGEMENT PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.

JJ) COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.

KK) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 814-3700 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.

LL) MAINTAIN EXISTING GUARDRAIL UNTIL PROPOSED FILL SLOPES ARE COMPLETED TO THE POINT THAT FIELD CONDITIONS NO LONGER MEET GUARDRAIL WARRANTS AS DIRECTED BY THE ENGINEER.


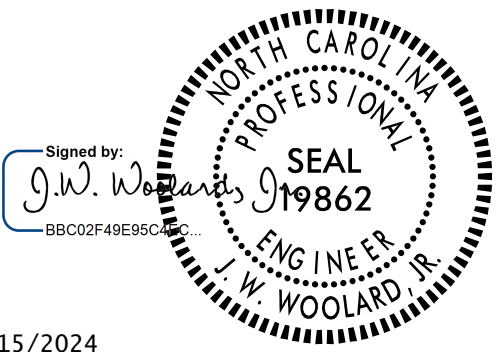
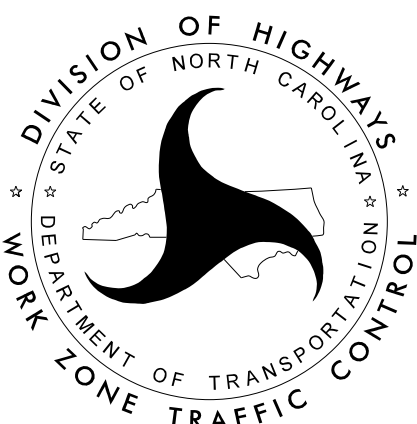
MM) MAINTAIN ALL EXISTING SIGNING ON PROJECT (WARNING, REGULATORY AND GUIDE SIGNS). WHERE CONSTRUCTION AFFECTS THE LOCATION OF A SIGN, RELOCATE AS NECESSARY, OR INSTALL REPLACEMENT SUCH THAT THE FUNCTION OF THE SIGN IS MAINTAINED AT ALL TIMES. DURING RELOCATION OF STOP SIGNS PROVIDE FLAGGERS WITH "FLAGGER AHEAD" (W20-7a) AND "BE PREPARED TO STOP" (W3-4) SIGNS AS NECESSARY TO MAINTAIN INTERSECTION TRAFFIC.

NN) ANY SIGNAL PUT IN FLASH MODE MUST HAVE LAW ENFORCEMENT PRESENT TO DIRECT TRAFFIC.

LOCAL NOTES

1) CONTRACTOR MAY PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN AS ALLOWED BY THE ENGINEER. MAKE ADJUSTMENTS AS NEEDED TO MAINTAIN LANE CONTINUITY AS DIRECTED BY THE ENGINEER.

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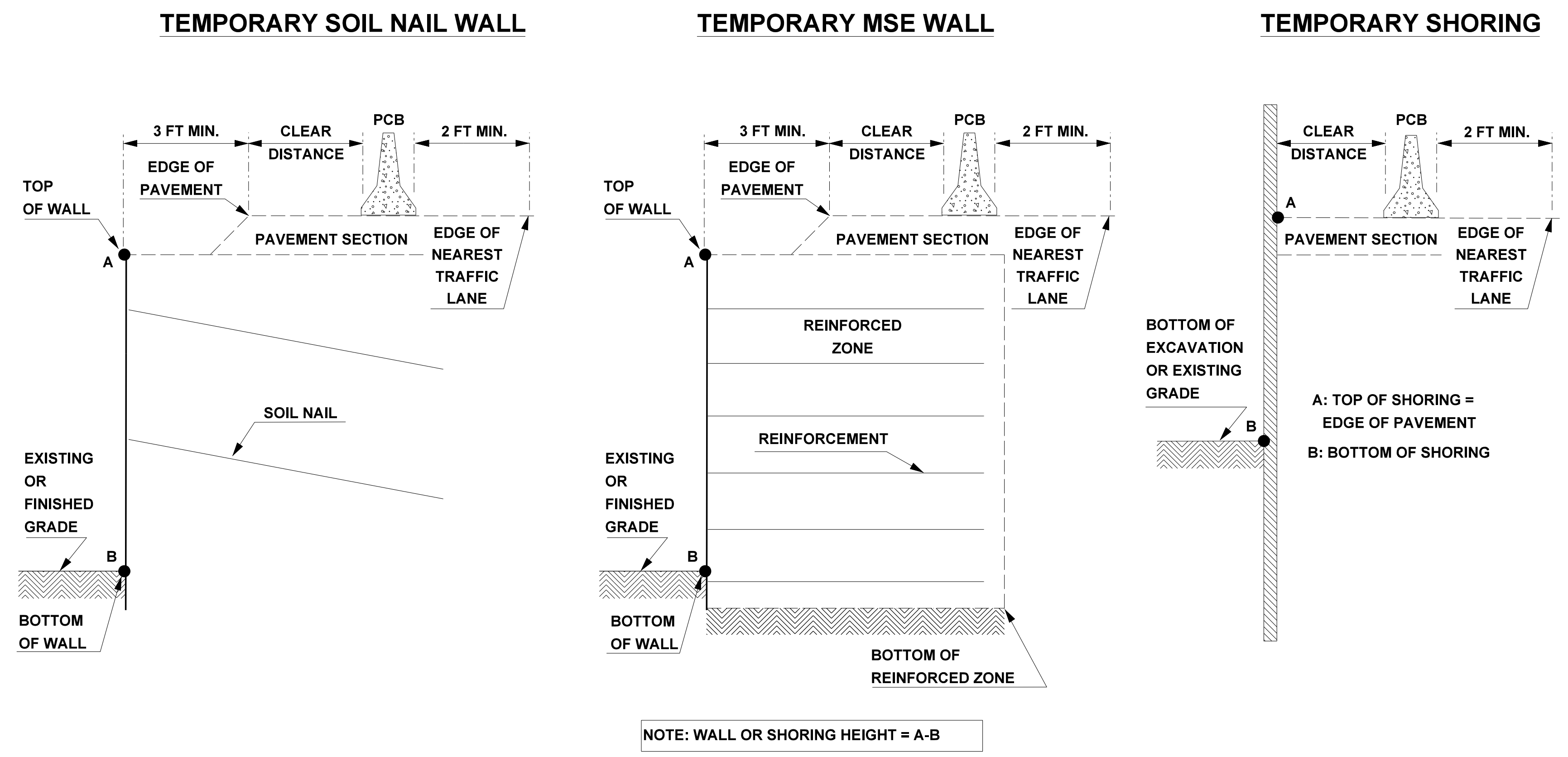


FIGURE A

NOTES

- 1- REFER TO THE TRAFFIC CONTROL PLANS FOR TEMPORARY SHORING LOCATIONS AND NOTES.
- 2- REFER TO THE "TEMPORARY SHORING" STANDARD PROVISION FOR INFORMATION ABOUT TEMPORARY SHORING AND PORTABLE CONCRETE BARRIER (PCB).
- 3- PCB IS REQUIRED IF TEMPORARY SHORING/WALL IS LOCATED WITHIN THE CLEAR ZONE IN ACCORDANCE WITH THE AASHTO ROADSIDE DESIGN GUIDE. DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE. (CONTACT NCDOT PAVEMENT MANAGEMENT FOR APPLICABLE PAVEMENT DESIGN).
- 4- BASED ON THE CLEAR DISTANCE, OFFSET, DESIGN SPEED AND PAVEMENT TYPE, CHOOSE AN UNANCHORED OR ANCHORED PCB FROM THE TABLE SHOWN IN FIGURE B. CLEAR DISTANCE IS DEFINED AS SHOWN IN FIGURE A AND OFFSET IS DEFINED AS SHOWN IN FIGURE B.
- 5- AT THE CONTRACTOR'S OPTION OR IF THE MINIMUM REQUIRED CLEAR DISTANCE IS NOT AVAILABLE, SET PCB NEXT TO AND UP AGAINST THE TRAFFIC SIDE OF THE TEMPORARY SHORING/WALLS EXCEPT FOR BARRIER ABOVE TEMPORARY WALLS. PCB WITH THE MINIMUM REQUIRED CLEAR DISTANCE IS REQUIRED ABOVE TEMPORARY WALLS.
- 6- USE NCDOT PORTABLE CONCRETE BARRIER (PCB) IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1170.01 AND SECTION 1170 OF THE STANDARD SPECIFICATIONS.
- 7- SET PCB WITH A MINIMUM HORIZONTAL DISTANCE OF 2 FT BETWEEN THE FRONT FACE OF THE BARRIER AND THE EDGE OF THE NEAREST TRAFFIC LANE AS SHOWN IN FIGURE A UNLESS OTHERWISE SHOWN IN THE PLANS OR APPROVED BY THE ENGINEER.
- 8- FOR PCB ABOVE AND BEHIND TEMPORARY WALLS, PROVIDE A MINIMUM DISTANCE OF 3 FT BETWEEN THE EDGE OF PAVEMENT AND THE WALL FACE AS SHOWN IN FIGURE A. IF THIS MINIMUM REQUIRED DISTANCE IS NOT AVAILABLE, CONTACT THE ENGINEER.
- 9- TABLE SHOWN IN FIGURE B IS BASED ON NCDOT RESEARCH PROJECT NO. 2005-010 WITH VEHICLE TYPE USED FOR NCHRP 350 CRASH TESTS.

MINIMUM REQUIRED CLEAR DISTANCE, inches

Barrier Type	Pavement Type	Offset * ft	Design Speed, mph					
			<30	31-40	41-50	51-60	61-70	71-80
Unanchored PCB	Asphalt	<8	24	26	29	32	36	40
		8-14	26	28	31	35	38	42
		14-20	27	29	34	36	39	43
		20-26	28	31	35	38	40	44
		26-32	29	32	36	39	42	45
		32-38	30	34	38	41	43	46
		38-44	31	34	41	43	45	48
	Concrete	44-50	31	35	41	43	46	49
		50-56	32	36	42	44	47	50
		>56	32	36	42	45	47	51
		<8	17	18	21	22	25	26
		8-14	19	20	23	25	26	29
		14-20	22	22	24	26	28	31
		20-26	23	24	26	27	30	34
Anchored PCB	Asphalt	All Offsets	24 for All Design Speeds					
		Concrete (including bridge approach slabs)	All Offsets	12 for All Design Speeds				

* See Figure Below

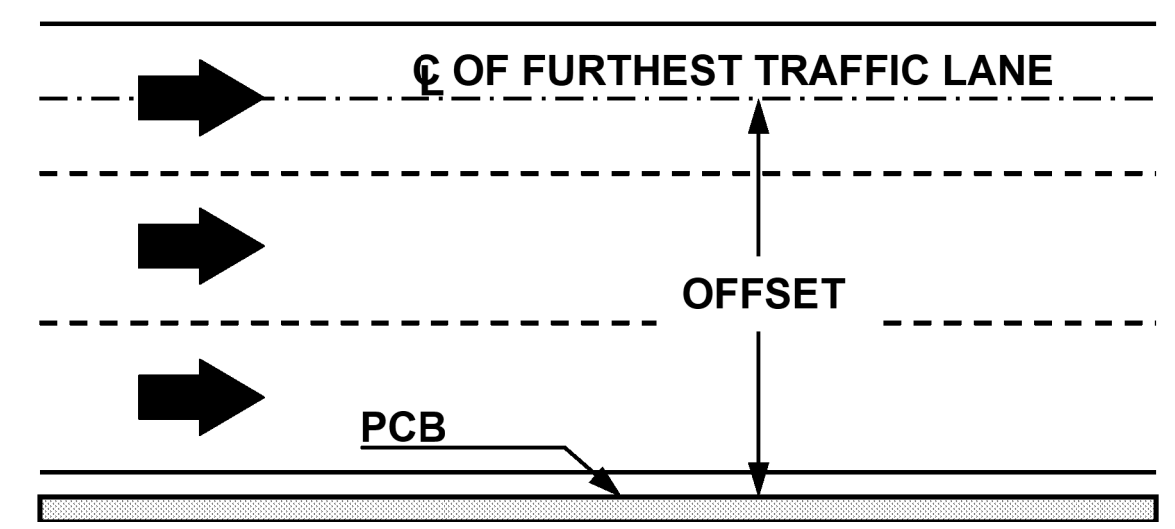
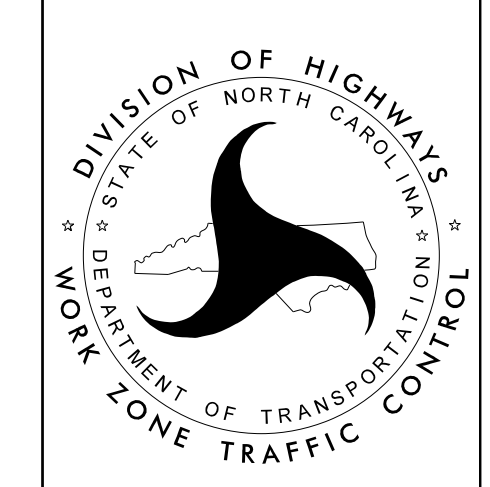


FIGURE B

DETAIL PROVIDED BY NCDOT



PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS

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SEE SHEET TMP-4

TEMPORARY SHORING LOCATION NO. 01 ESTIMATED QUANTITY = 2145.0 SF

-L- STA. 137+28±, 50'± RT TO -L- STA. 138+71±, 50'± RT
 LENGTH=143' AVERAGE HEIGHT = 15.0 FT MAXIMUM HEIGHT = 15.7 FT

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

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

DESIGN TEMPORARY SHORING FROM STATION -L- 137+28±, 50' RT, TO STATION
 -L- 138+71±, 50' RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND
 GROUNDWATER ELEVATION:
 UNIT WEIGHT, (γ) = 120 LB/CF
 FRICTION ANGLE, (ϕ) = 30 DEGREES
 COHESION, (c) = 0 LB/SF
 GROUNDWATER ELEVATION = 136.0 FT

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L-
 137+28±, 50' RT, TO STATION -L- 138+71±, 50' RT.

SEE SHEET TMP-4

TEMPORARY SHORING LOCATION NO. 02 ESTIMATED QUANTITY = 1602.3 SF

-L- STA. 137+14±, 50'± LT TO -L- STA. 138+61±, 50'± LT
 LENGTH=147' AVERAGE HEIGHT = 10.9 FT MAXIMUM HEIGHT = 14.5 FT

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

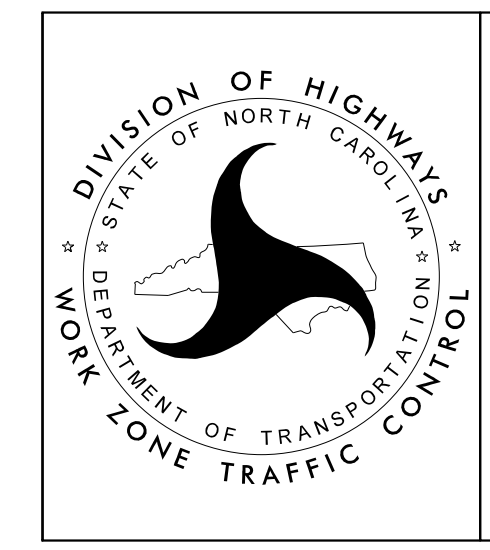
BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY
 EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO
 DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 137+14±, 50' LT, TO STATION
 -L- 138+61±, 50' LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND
 GROUNDWATER ELEVATION:
 UNIT WEIGHT, (γ) = 120 LB/CF
 FRICTION ANGLE, (ϕ) = 30 DEGREES
 COHESION, (c) = 0 LB/SF
 GROUNDWATER ELEVATION = 139.0 FT

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L-
 137+14±, 50' LT, TO STATION -L- 138+61±, 50' LT.

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THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEER. THE DOCUMENT WAS SUBMITTED TO THE EASTERN WZTC ENGINEER ON SEPTEMBER 13, 2017 AND SEALED BY A PROFESSIONAL ENGINEER, THEIN TUN ZAN, LICENSE #030943.



TEMPORARY SHORING NOTES

PHASE I

STEP 1

USING RSD 1101.01 INSTALL ADVANCE WARNING SIGNS ON -L- AND ALL -Y- LINES.

STEP 2

NOTE

CONTRACTOR SHALL PROVIDE A PEDESTRIAN TRANSPORT SERVICE THROUGH AND /OR AROUND THE PROJECT WHEN EXISTING SIDEWALK CANNOT BE MAINTAINED THROUGH THE WORK ZONE.

A)

USING TEMPORARY LANE CLOSURES, THE DETAILS ON SHEETS TMP-6 & 7, AND RSD 1101.02, CONSTRUCT AS FOLLOWS:

- -L- 103+45± TO 142+25±(LT) AND 142+25± TO 204+20±(RT), INCLUDING WATER AND SEWER LINES, DRAINAGE, CURB & GUTTER, PROPOSED GUARD RAIL, SIDEWALK, AND PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. ADJUST ANY SIGNALS AS NEEDED (SEE SIGNAL PLANS). WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE. (SEE LOCAL NOTE 1) (SEE TMP-9)
- RIGHT SIDE OF -L- (FROM 220+00± TO 223+00±), INCLUDING DRAINAGE, PIPE CULVERT INSTALLATION, AND HEADWALL CONSTRUCTION.
- USING FLAGGERS AND RSD 1101.02, CONSTRUCT ALL DRIVEWAY TIE-INS, INCLUDING DRAINAGE, IN A CONTINUOUS MANNER WHILE MAINTAINING ACCESS AT ALL TIMES.
- -Y10-, -Y11-, -Y12-, -Y14-, -Y16-, -Y18- UP TO, BUT NOT INCLUDING, THE FINAL LAYER OF SURFACE COURSE. WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE.
- CONSTRUCT ALL CROSS PIPES 36" OR LESS IN HALF SECTIONS USING LANE CLOSURES, RSD 1101.02, AND LAW ENFORCEMENT AS NEEDED, BETWEEN THE FOLLOWING HOURS:

MONDAY THRU THURSDAY 10:00 PM TO 6:00 AM
FRIDAY AT 10:00 PM TO MONDAY AT 6:00 AM
- USING THE DETAIL ON TMP-5, CLOSE EXISTING SIDEWALK AND DETOUR PEDESTRIANS TO THE SIDEWALK ON THE OTHER SIDE OF -L-.
- CULVERT CONSTRUCTION AS FOLLOWS:
1-USING RSD 1101.02, INSTALL PCB AS SHOWN ON TMP-4
2-BEHIND PCB, INSTALL TEMP SHORING LOC 01
3-BEHIND PCB, CONSTRUCT CULVERT EXTENSION
4-USING RSD 1101.02, REMOVE/RELOCATE PCB

ICT

1. USING A ROAD CLOSURE AS SHOWN ON TMP-8, CLOSE -Y18- AT -L- AND CONSTRUCT THE 48" PIPE ACROSS -Y18- FROM 9:00 PM FRIDAY TO 5:00 AM MONDAY (SEE SPECIAL PROVISIONS)

2. USING LANE CLOSURES, RSD 1101.02 AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT 42" PIPE ACROSS HOPE MILLS RD IN A CONTINUOUS MANNER.

ICT

COMPLETE PHASE I, STEP 2B FROM 9:00 PM FRIDAY TO 5:00 AM MONDAY. SEE SPECIAL PROVISIONS.

B)

CONSTRUCT RIGHT SIDE OF 48" RCP AT -L- 176+83± TO THE MEDIAN IN A CONTINUOUS OPERATION USING LANE CLOSURES AND RSD 1101.02.

ICT

COMPLETE PHASE I, STEP 2C FROM 9:00 PM FRIDAY TO 5:00 AM MONDAY. SEE SPECIAL PROVISIONS.

C)

CONSTRUCT RIGHT SIDE OF 48" RCP AT -L- 181+34± TO THE MEDIAN IN A CONTINUOUS OPERATION USING LANE CLOSURES AND RSD 1101.02.

ICT

COMPLETE PHASE I, STEP 2D FROM 9:00 PM FRIDAY TO 5:00 AM MONDAY. SEE LIQUIDATED DAMAGES.

D)

INSTALL TEMPORARY SIGNAL AS SHOWN IN SIGNAL PLANS FOR THE PATTERN SHOWN ON TMP-9.

INSTALL TRAFFIC PATTERN SHOWN ON TMP-9, ACTIVATE THE TEMP SIGNAL, AND INSTALL 24" WATERLINE IN HOPE MILLS RD. USE LAW ENFORCEMENT AS NEEDED AND AS DIRECTED BY THE ENGINEER. SEE UTILITY PLANS.

REPLACE PAVEMENT, INSTALL ANY MISSING PAVEMENT MARKINGS, AND REOPEN HOPE MILLS RD TO EXISTING PATTERN.

PHASE II

STEP 1

A)

USING TEMPORARY LANE CLOSURES, THE DETAILS ON SHEETS TMP-6 & 7, AND RSD 1101.02, CONSTRUCT THE FOLLOWING:

- -L- 103+45± TO 142+25±(RT) AND 142+25± TO 204+20±(LT), INCLUDING WATER AND SEWER LINES, DRAINAGE, CURB & GUTTER, SIDEWALK, AND PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. ADJUST ANY SIGNALS AS NEEDED (SEE SIGNAL PLANS). WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE. (SEE LOCAL NOTE 1)
- LEFT SIDE OF -L- (FROM 220+00± TO 223+00±), INCLUDING DRAINAGE, PIPE CULVERT INSTALLATION, AND HEADWALL CONSTRUCTION.
- USING FLAGGERS AND RSD 1101.02, CONSTRUCT ALL DRIVEWAY TIE-INS, INCLUDING DRAINAGE, IN A CONTINUOUS MANNER WHILE MAINTAINING ACCESS AT ALL TIMES.
- USING LANE CLOSURES AND RSD 1101.02, CONSTRUCT -Y9-, -Y13-, -Y15- UP TO, BUT NOT INCLUDING, THE FINAL LAYER OF SURFACE COURSE. WEDGE EXISTING PAVEMENTS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE.
- CONSTRUCT ALL CROSS PIPES 36" OR LESS IN HALF SECTIONS USING LANE CLOSURES AS NEEDED BETWEEN THE FOLLOWING HOURS:

MONDAY THRU THURSDAY 10:00 PM TO 6:00 AM
FRIDAY AT 10:00 PM TO MONDAY AT 6:00 AM
- USING THE DETAIL ON TMP-5, CLOSE EXISTING SIDEWALK AND DETOUR PEDESTRIANS TO THE SIDEWALK ON THE OTHER SIDE OF -L-.
- USING LANE CLOSURES, RSD 1101.02 AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT 54" PIPE ACROSS LAFAYETTE FORD LINCOLN ENTRANCE IN A CONTINUOUS MANNER.
- CULVERT CONSTRUCTION AS FOLLOWS:
1-USING RSD 1101.02, INSTALL PCB AS SHOWN ON TMP-4
2-BEHIND PCB, INSTALL TEMP SHORING LOC 02
3-BEHIND PCB, CONSTRUCT CULVERT EXTENSION
4-USING RSD 1101.02, REMOVE/RELOCATE PCB

ICT

COMPLETE PHASE II, STEP 1B FROM 9:00 PM FRIDAY TO 5:00 AM MONDAY. SEE SPECIAL PROVISIONS.

B)

CONSTRUCT LEFT SIDE OF 48" RCP AT -L- 176+83± TO THE MEDIAN IN A CONTINUOUS OPERATION USING LANE CLOSURES AND RSD 1101.02.

ICT

COMPLETE PHASE II, STEP 1C FROM 9:00 PM FRIDAY TO 5:00 AM MONDAY. SEE SPECIAL PROVISIONS.

C)

CONSTRUCT LEFT SIDE OF 48" RCP AT -L- 181+34± TO THE MEDIAN IN A CONTINUOUS OPERATION USING LANE CLOSURES AND RSD 1101.02.

PHASE III

STEP 1

CONTRACTOR MAY BEGIN THE FOLLOWING:

USING RSD 1101.02 AND THE DETAILS ON TMP-10, CLOSE THE INSIDE LANE IN EACH DIRECTION AND CONSTRUCT 1'-6" CURB & GUTTER OR MONOLITHIC CONCRETE ISLANDS AND PROPOSED DRAINAGE AS SHOWN IN THE CONSTRUCTION PLANS:

FROM -L- 103+45±(BEGINNING OF PROJECT) TO -L- 137+70±AND FROM -L- 148+88± TO 204+20±(END OF PROJECT)

(NOTE: PLACE TRAFFIC BACK IN THE ORIGINAL TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD.)

STEP 2

USING RSD 1101.02 (SHEET 7), PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES ON -L- AS SHOWN ON SHEETS TMP-11 THRU TMP-13 FROM -L- 130+75± TO -L- 150+50±.

SHIFT TRAFFIC TO THE NEW PATTERN AND CONSTRUCT THE MEDIAN ISLANDS AS SHOWN ON SHEETS TMP-11 THROUGH TMP-13.

STEP 3

USING RSD 1101.02 (SHEETS 3 AND 7) PLACE TEMPORARY PAVEMENT MARKINGS IN FINAL PATTERN (SEE PMP)

SHIFT TRAFFIC TO THE NEW PATTERN AND USING THE DETAILS ON TMP-10, CLOSE THE INSIDE LANES ON EACH SIDE OF THE PROPOSED ISLAND AND CONSTRUCT THE MONOLITHIC CONCRETE ISLAND FROM -L- 137+70± TO -L- 148+88± AS SHOWN ON SHEETS TMP-14 AND TMP-15.

COMPLETE THE WORK STARTED IN PHASE III, STEP 1.

STEP 4

USING RSD 1101.02 (SHEETS 3 AND 7), PLACE THE FINAL LAYER OF SURFACE COURSE, FINAL PAVEMENT MARKINGS, AND PAVEMENT MARKERS ON -L- AND ALL -Y- LINES THROUGHOUT THE PROJECT. MAKE ANY FINAL ADJUSTMENTS NEEDED TO THE PROPOSED SIGNALS.

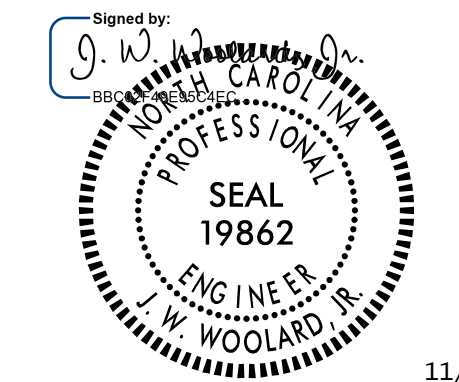
STEP 5

REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN THE PROJECT TO THE FINAL TRAFFIC PATTERN.

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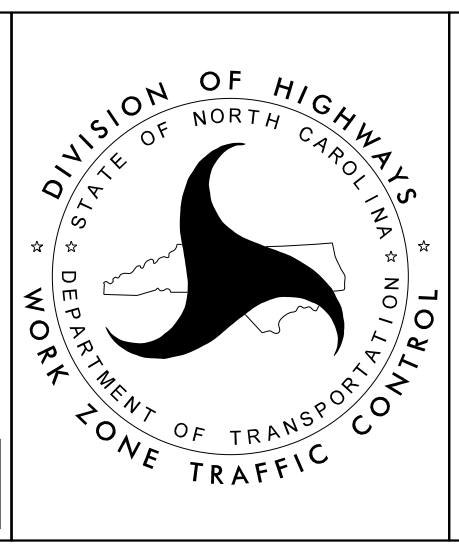


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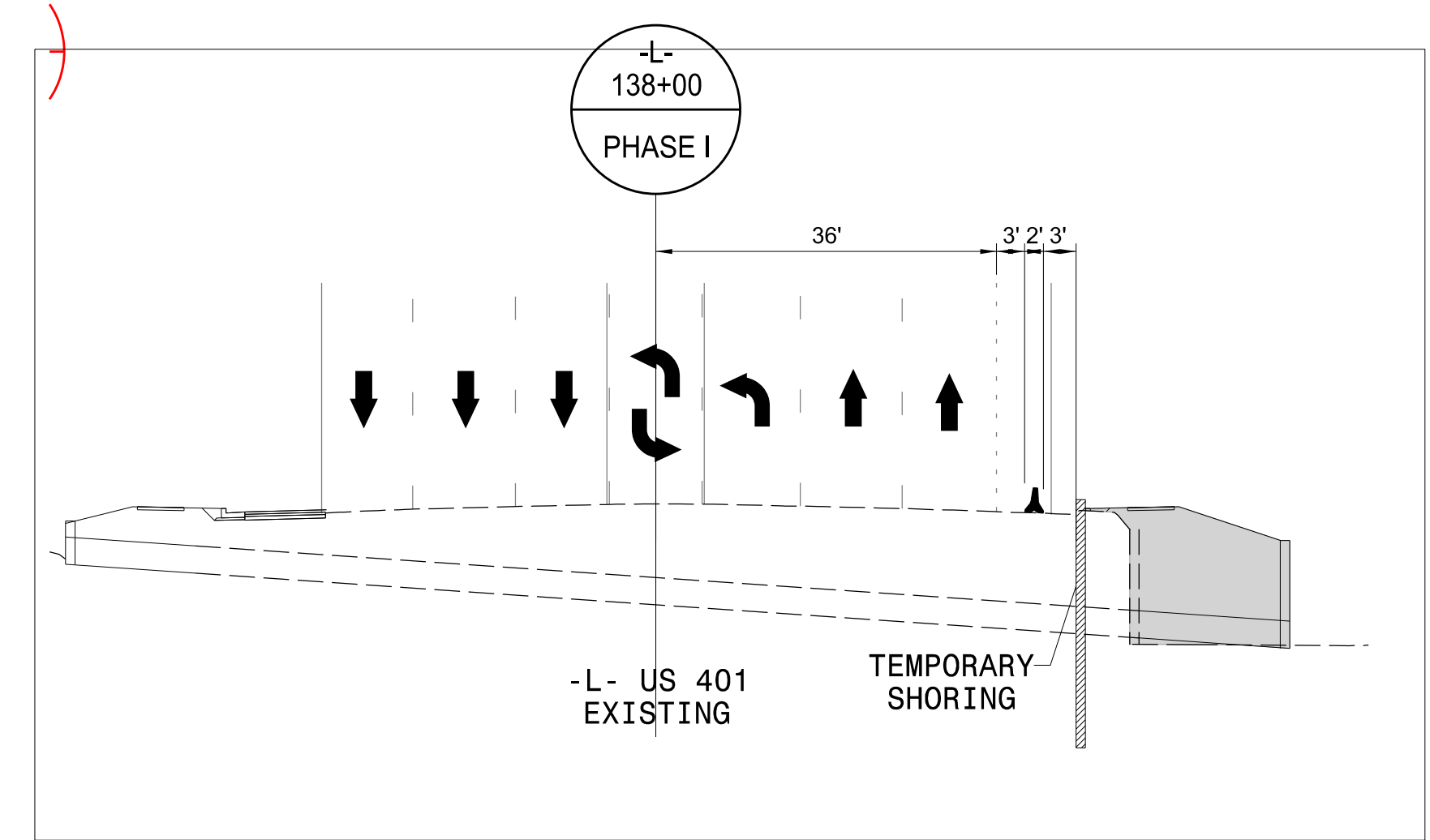
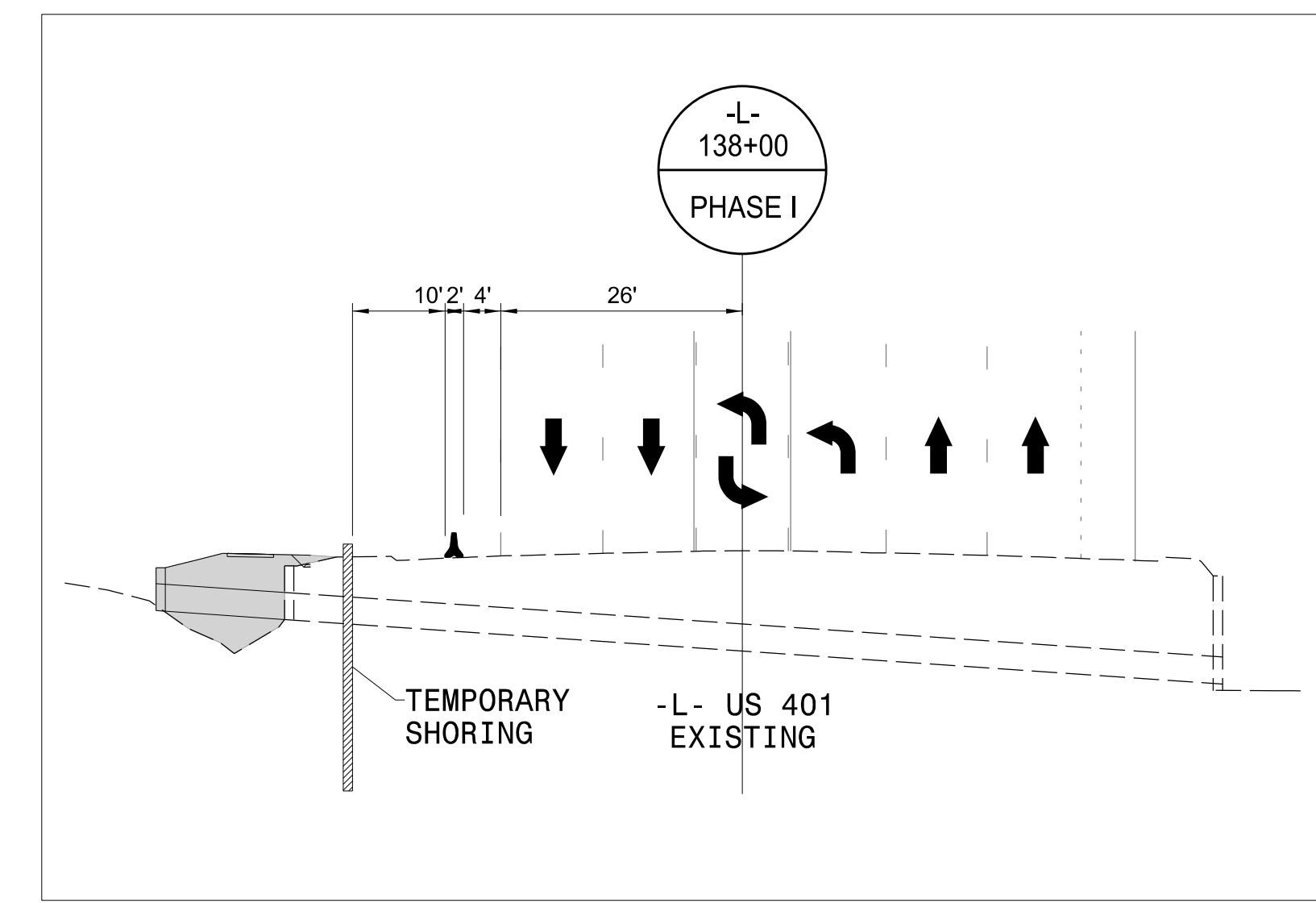
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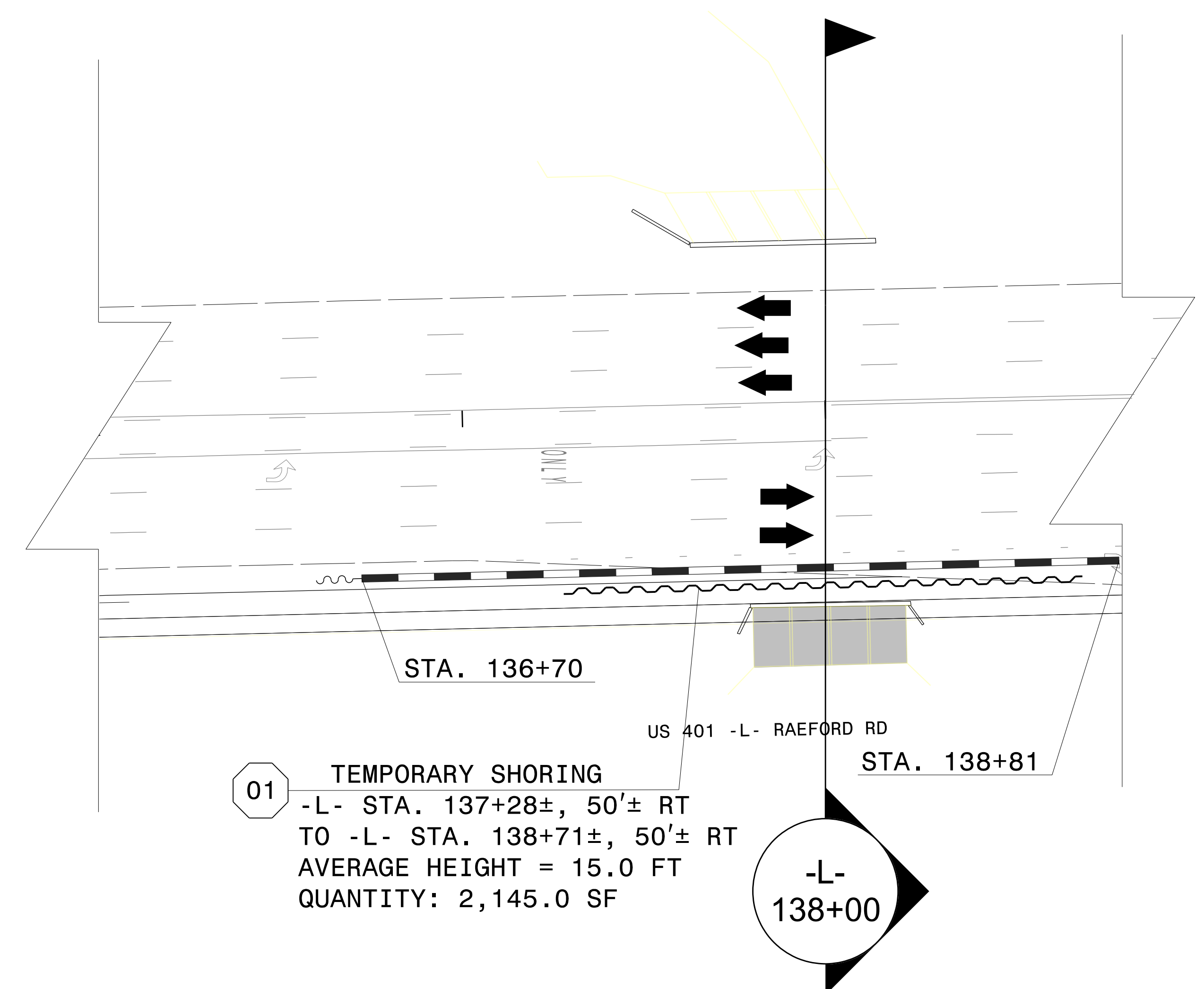
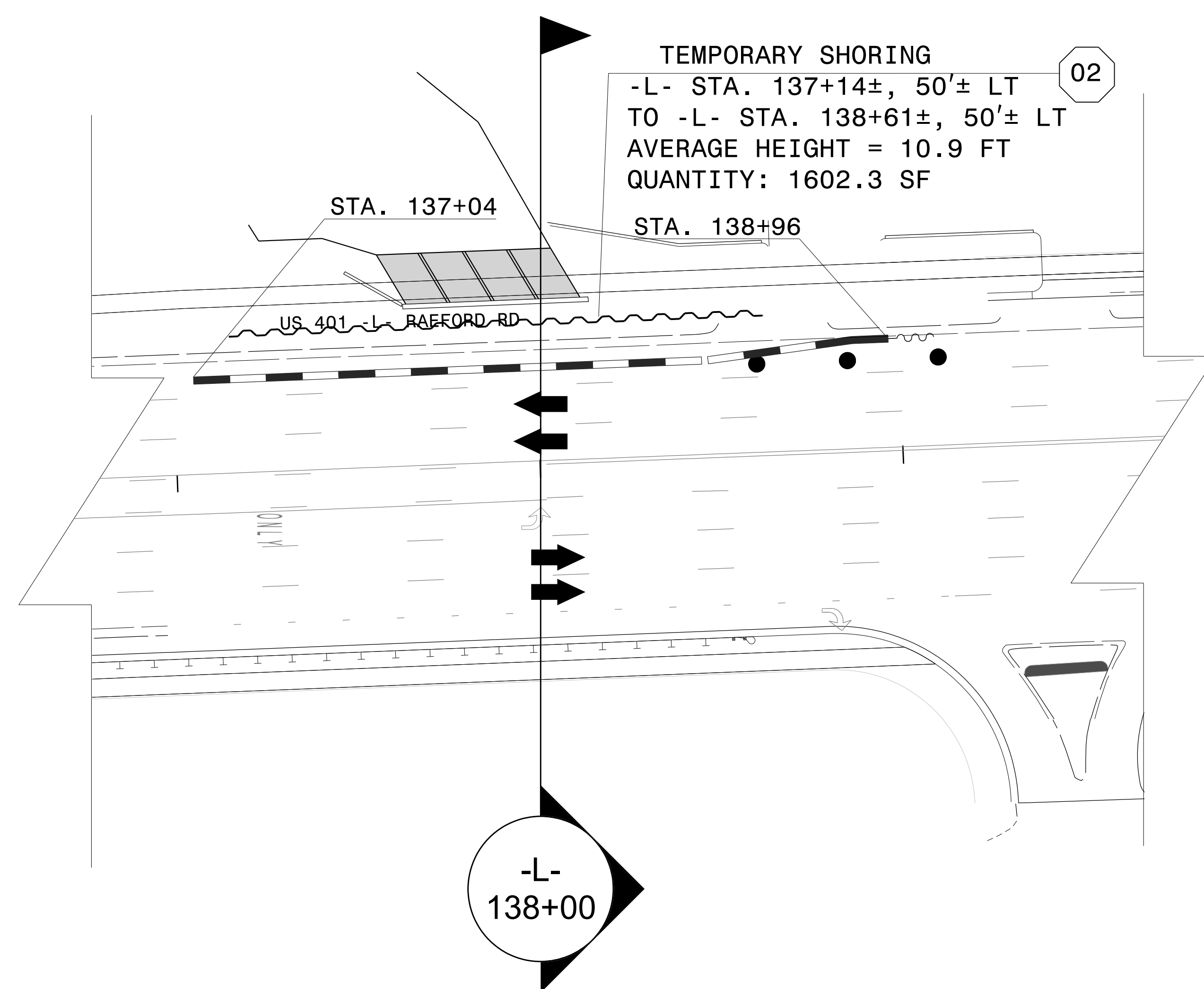


TEMPORARY TRAFFIC CONTROL PHASING

PHASE I CULVERT SHORING PLACEMENT
 -L- RAEFORD RD
 STA. 138+00



PHASE II CULVERT SHORING PLACEMENT
 -L- RAEFORD RD.
 STA. 138+00



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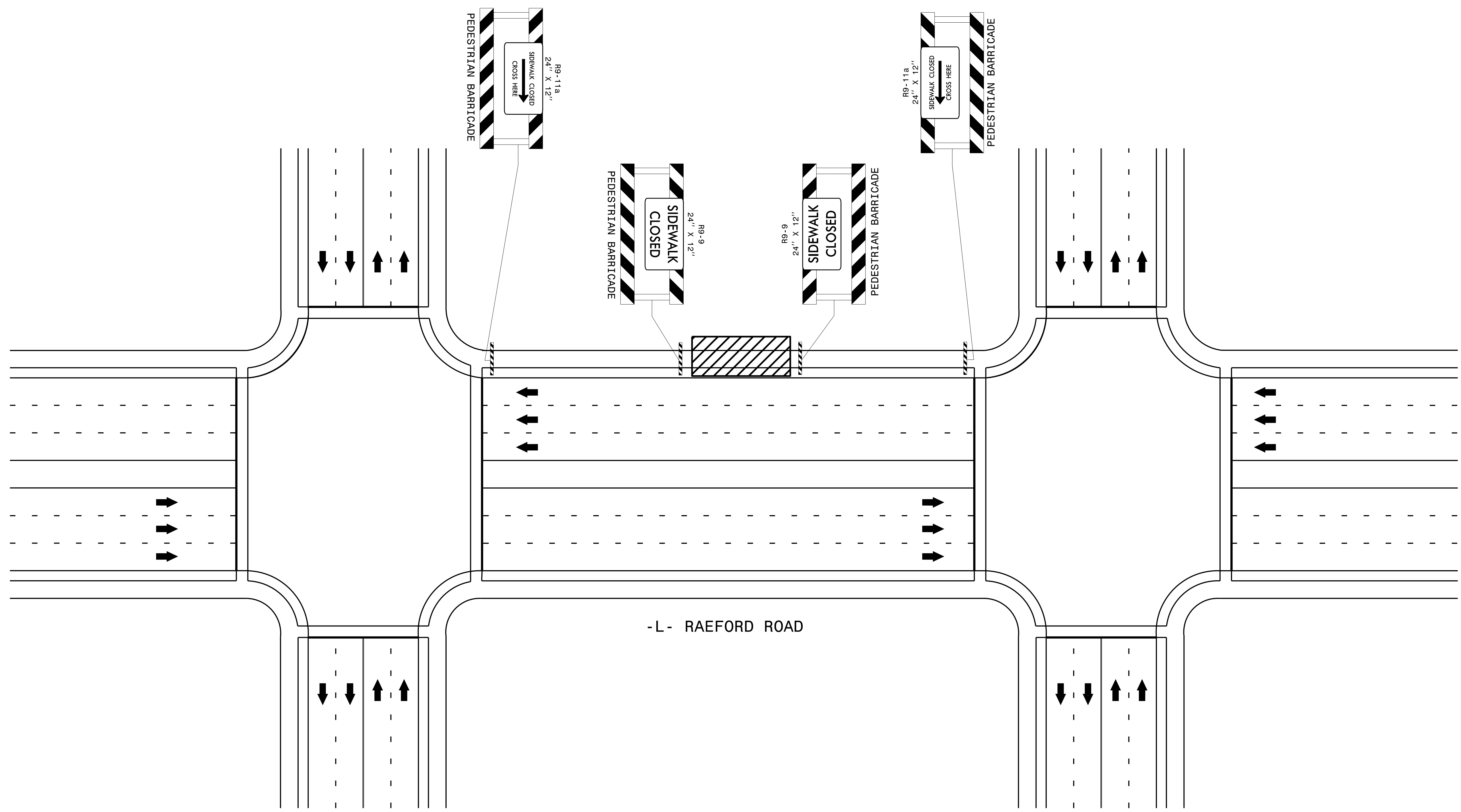
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Signed by:
 J.W. Woollard
 9800246295
 NORTH CAROLINA
 PROFESSIONAL
 SEAL
 19862
 ENGINEER
 W. WOOLLARD, R.

10/15/2024

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



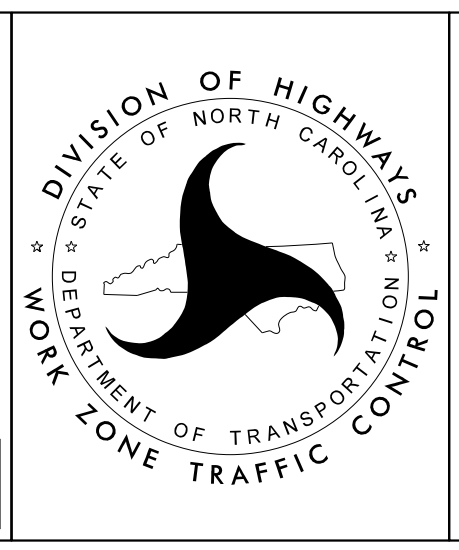
NOTES

1. USE MIRROR IMAGE IF SIDEWALK ON THE OTHER SIDE OF -L- (RAEFORD RD.) IS CLOSED

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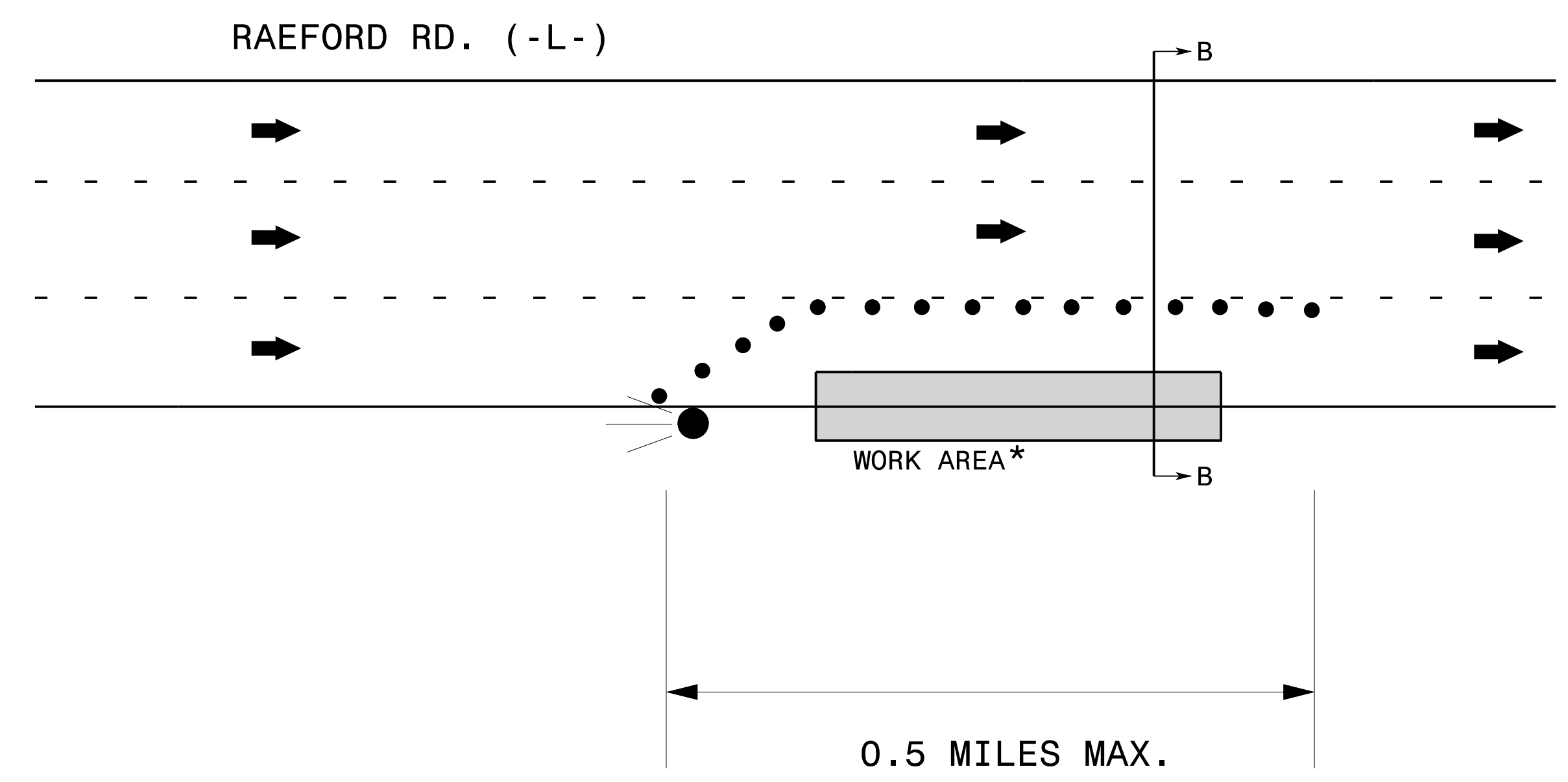
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 SEAL 19862
 ENGINEER
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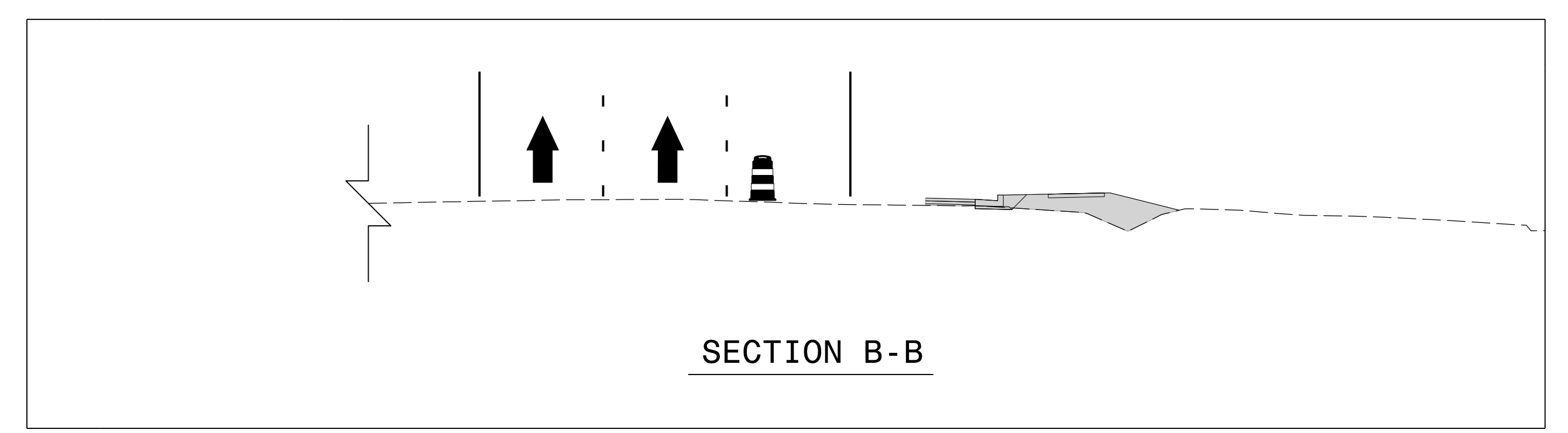
**PHASE II
 SIDEWALK CLOSURE DETAIL**

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NOTES

1. INSTALL ALL LANE CLOSURE PER RSD 1101.02 (SHEET 3).
2. MAXIMUM LENGTH OF EACH LANE CLOSURE IS 0.5 MILES.
3. MINIMUM LENGTH BETWEEN LANE CLOSURES IS 1 MILE.
4. MAXIMUM NUMBER OF LANE CLOSURES IN ONE DIRECTION IS 2.
5. CONSTRUCT PROPOSED DRAINAGE, PAVEMENT, CURB & GUTTER, AND SIDEWALK IN EACH WORK AREA .
6. CONTRACTOR SHALL INSTALL DRAINAGE IN THE MEDIAN FOR CROSS-PIPE INSTALLATION AS DIRECTED BY THE ENGINEER



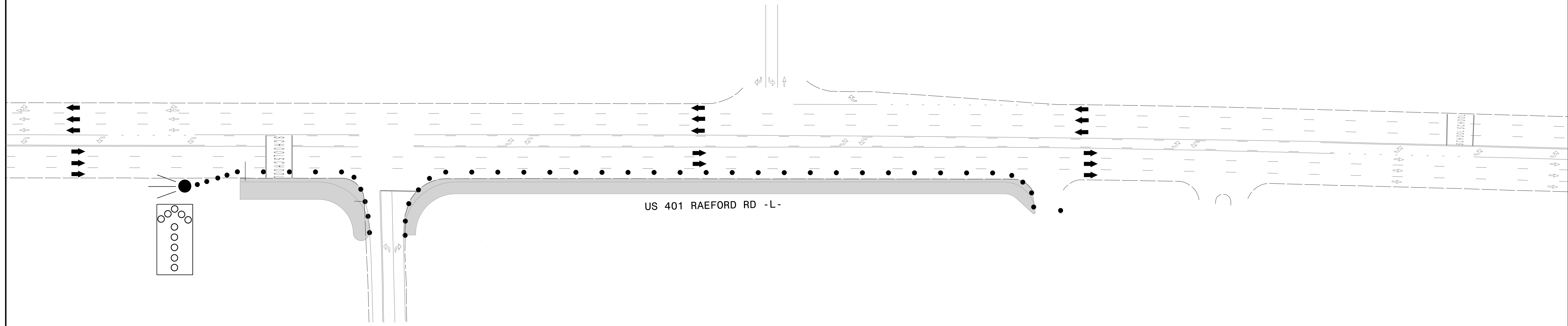
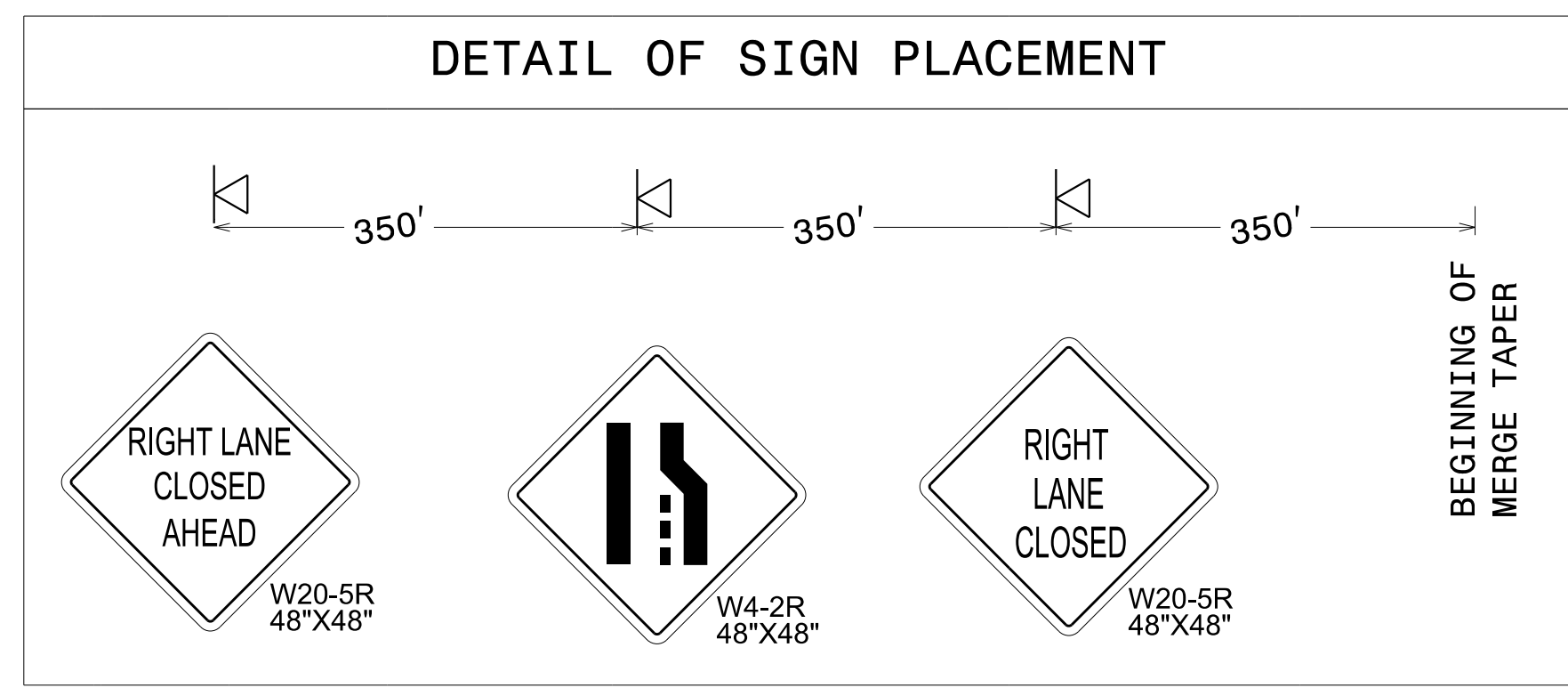
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DIVISION OF HIGHWAYS
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

**PHASE I & II
OUTSIDE CONSTRUCTION
DETAILS**



NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 3 OF 15
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

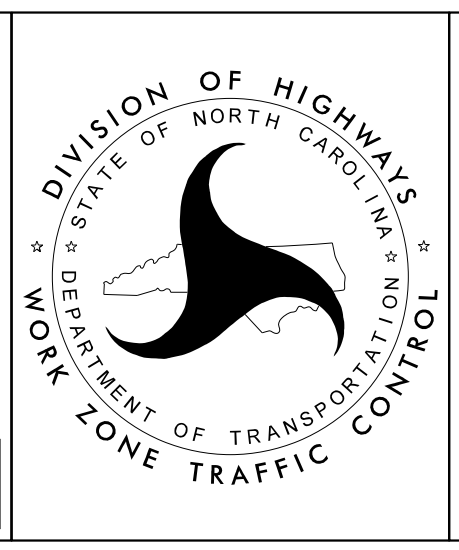
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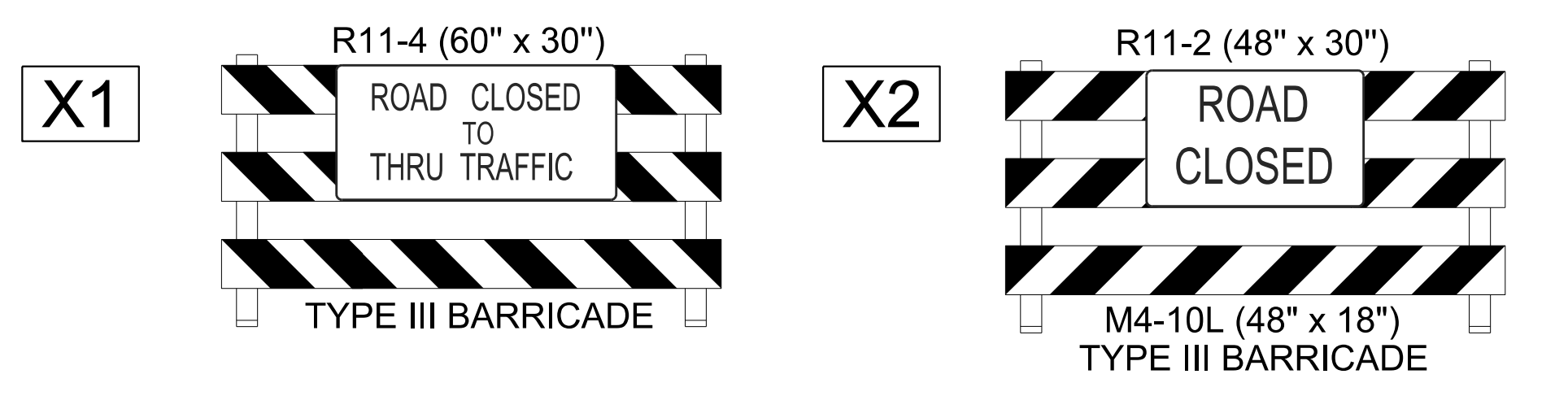
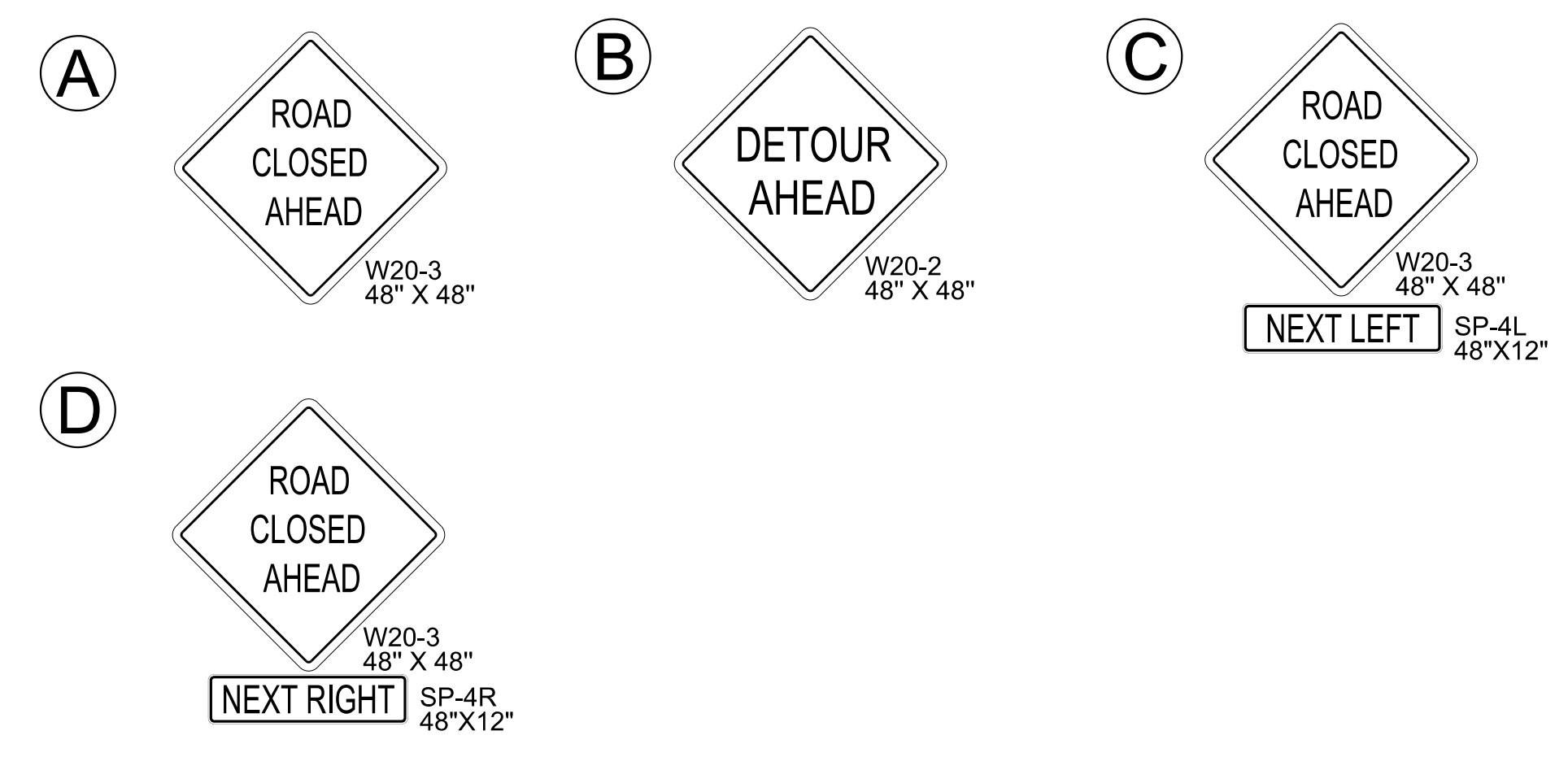
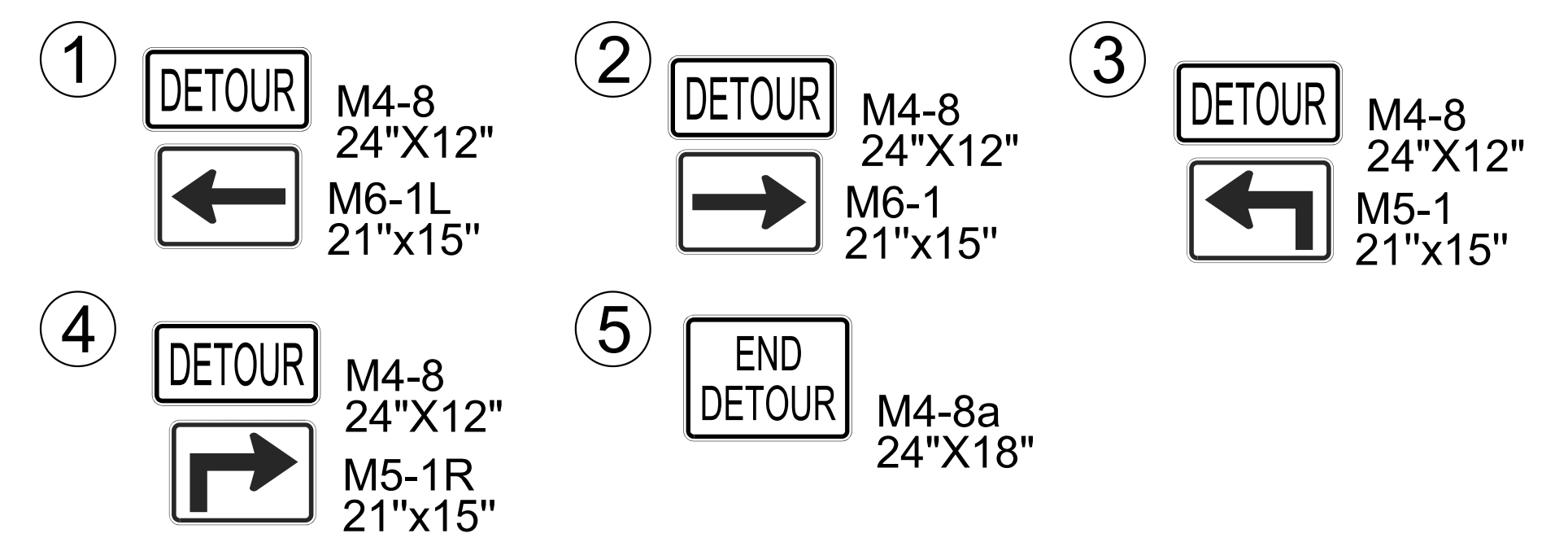
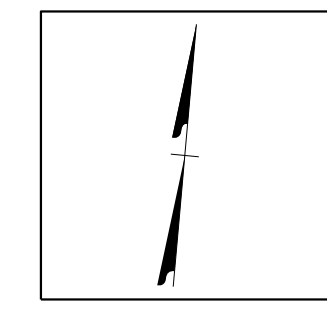
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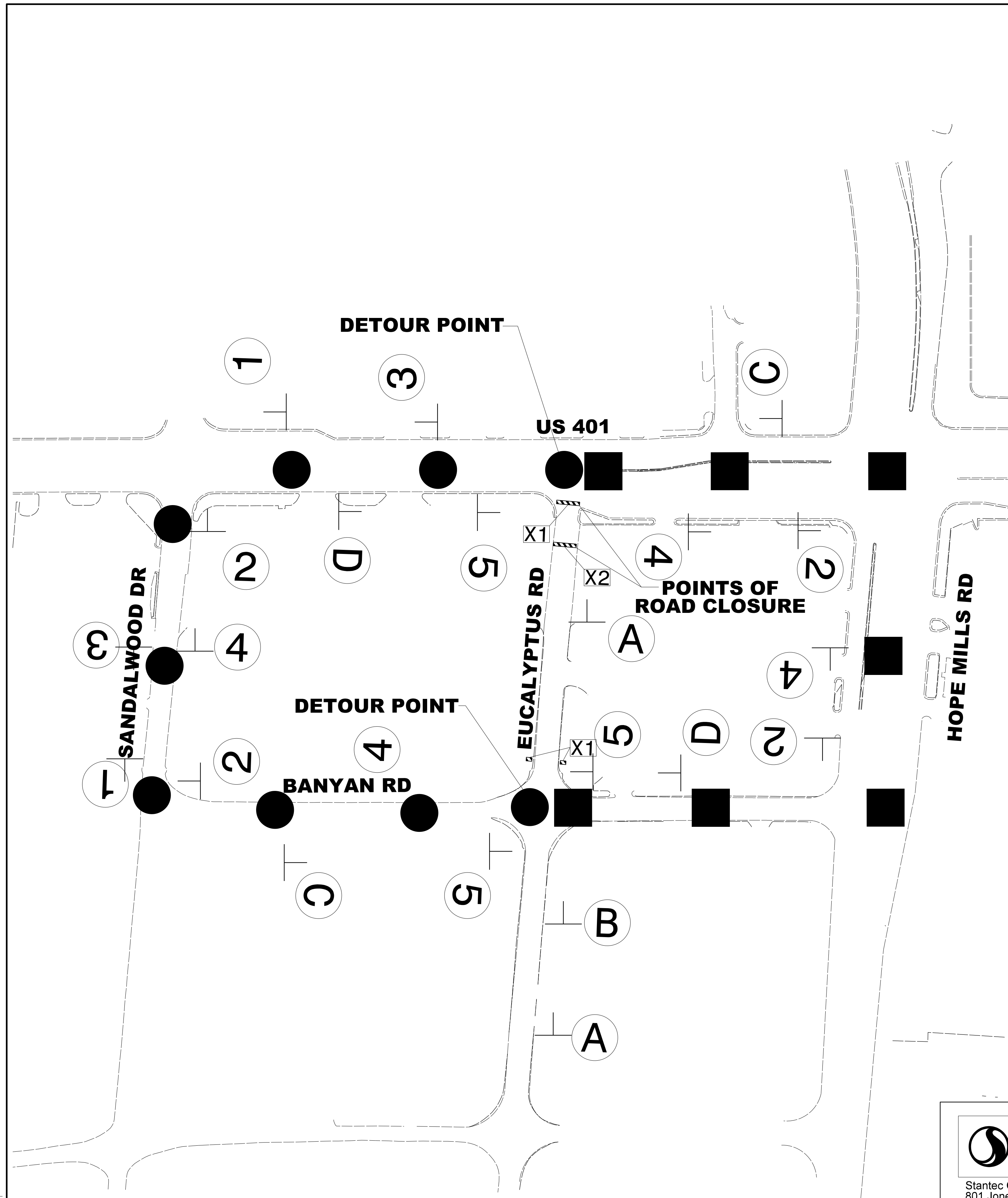
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**PHASE I & II
OUTSIDE CONSTRUCTION
TYPICAL DRAWING**



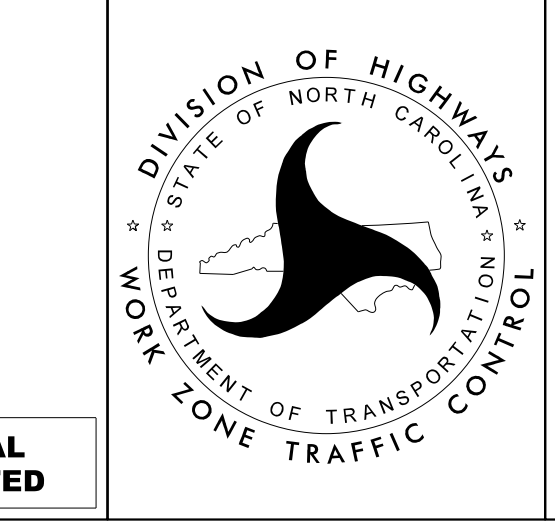
● -Y18- EUCALYPTUS RD WB DETOUR ROUTE
 ■ -Y18- EUCALYPTUS RD EB DETOUR ROUTE



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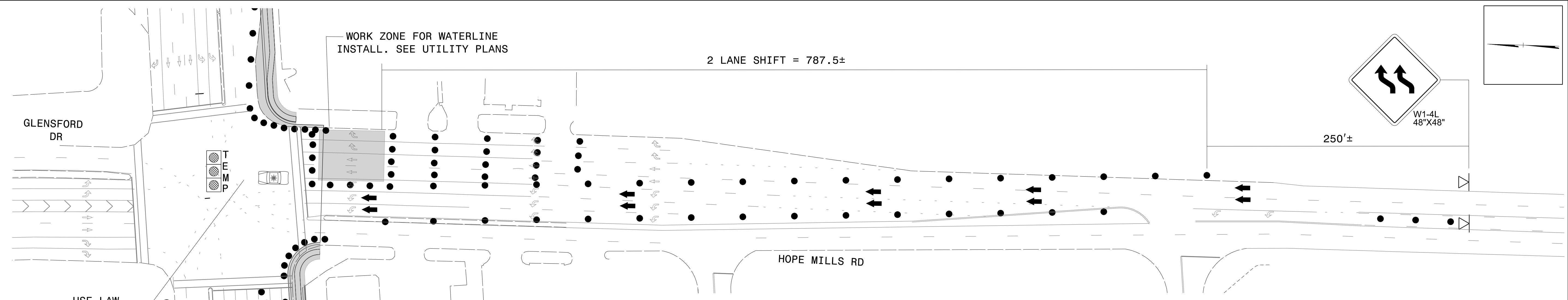
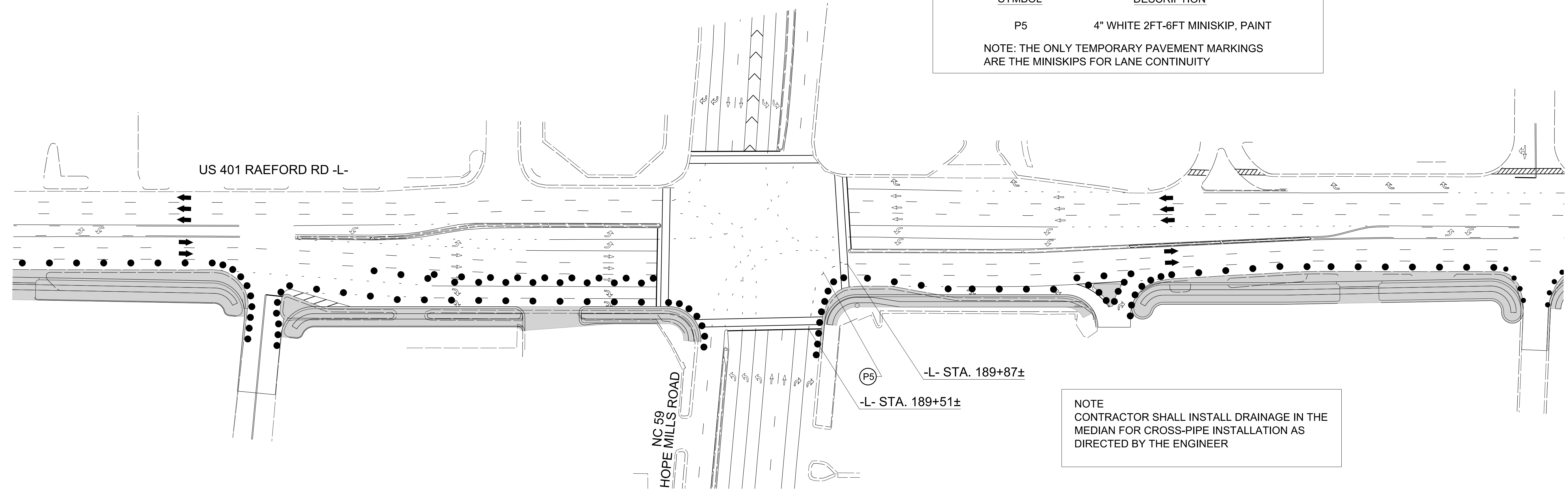


-Y18- EUCALYPTUS RD
 DETOUR ROUTE

TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
P5	4" WHITE 2FT-6FT MINISKIP, PAINT

NOTE: THE ONLY TEMPORARY PAVEMENT MARKINGS ARE THE MINISKIPS FOR LANE CONTINUITY

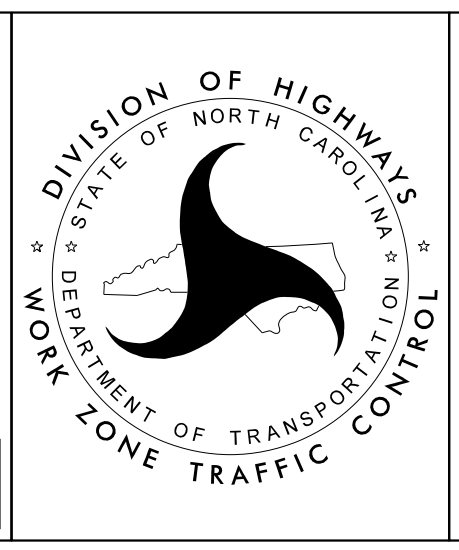


ICT
 WATERLINE TO BE INSTALLED FROM 9:00PM FRIDAY TO 5AM THE FOLLOWING MONDAY. SEE PHASING AND LIQUIDATED DAMAGES

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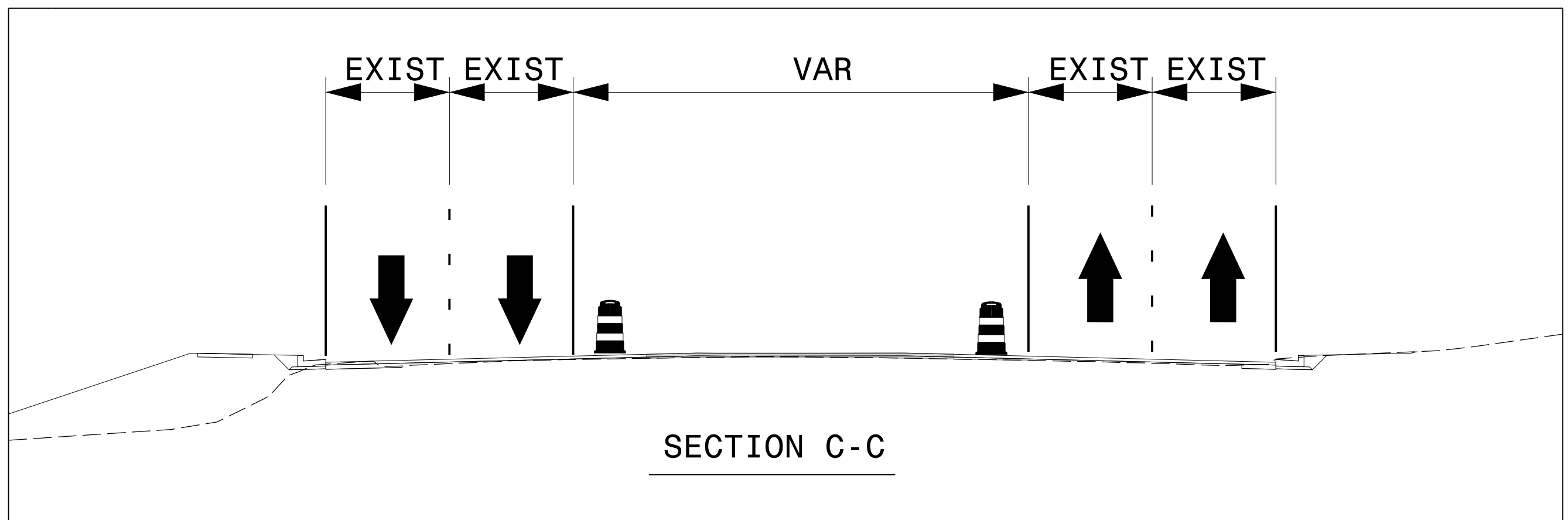
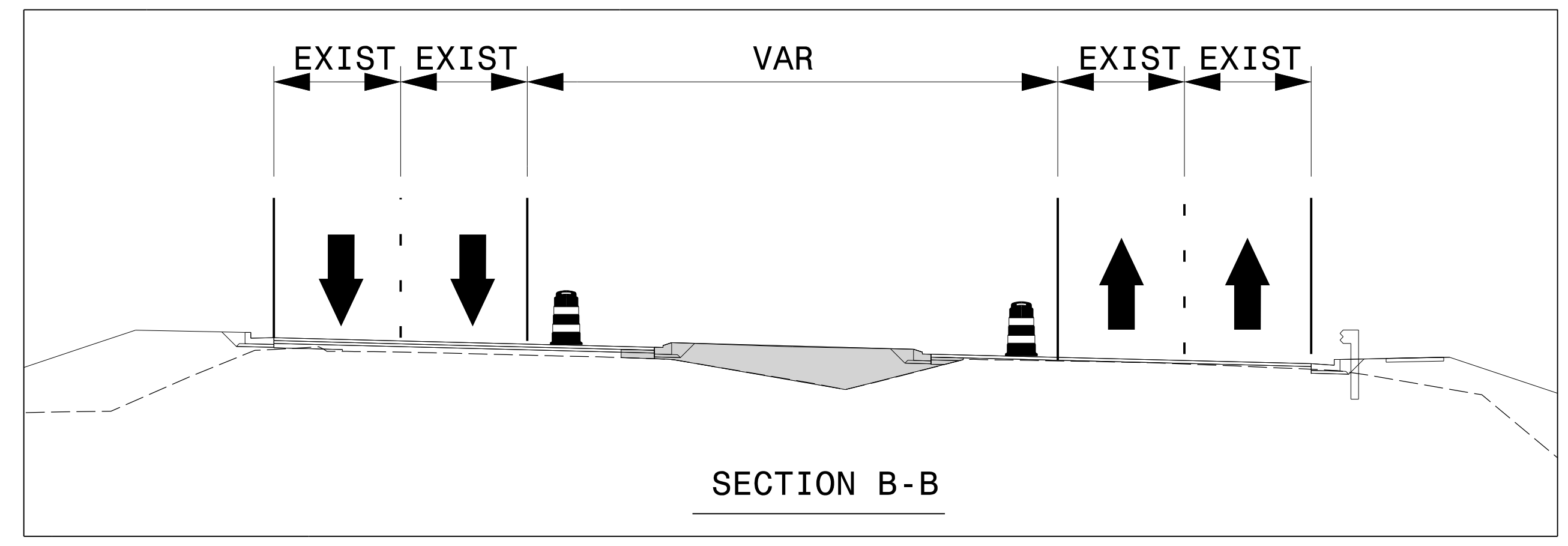
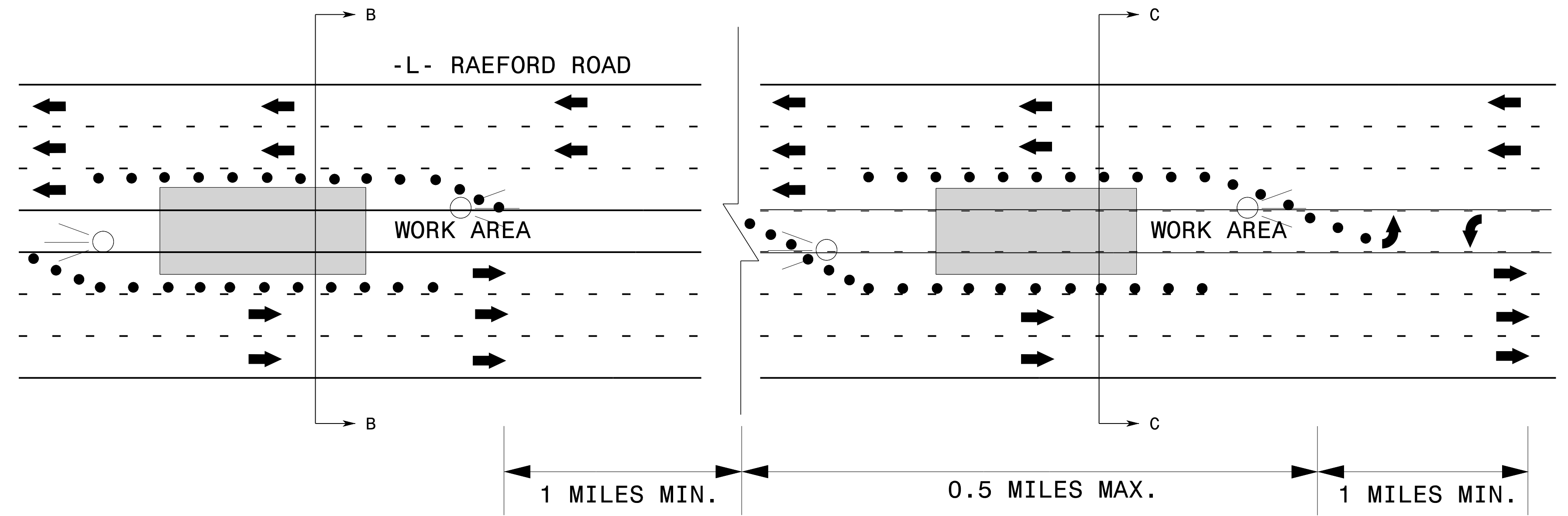
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 W. WOOLARD, R.
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US 401 -L-
 AT NC 59
 PHASE I DETAIL

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- NOTES**
1. INSTALL ALL LANE CLOSURES USING RSD 1101.02 (SHEET 3 AND 7)
 2. MAXIMUM LENGTH OF EACH LANE CLOSURE IS 0.5 MILES
 3. MINIMUM LENGTH BETWEEN LANE CLOSURES IS 1 MILES
 4. MAXIMUM NUMBER OF LANE CLOSURES IN ONE DIRECTION IS 3
 5. CONSTRUCT PROPOSED DRAINAGE, PAVEMENT, CURB & GUTTER AND/OR MONOLITHIC ISLANDS IN EACH WORK AREA

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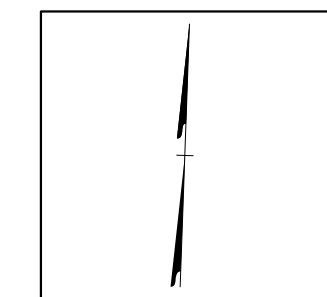
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**PHASE III
MEDIAN CONSTRUCTION
DETAILS**

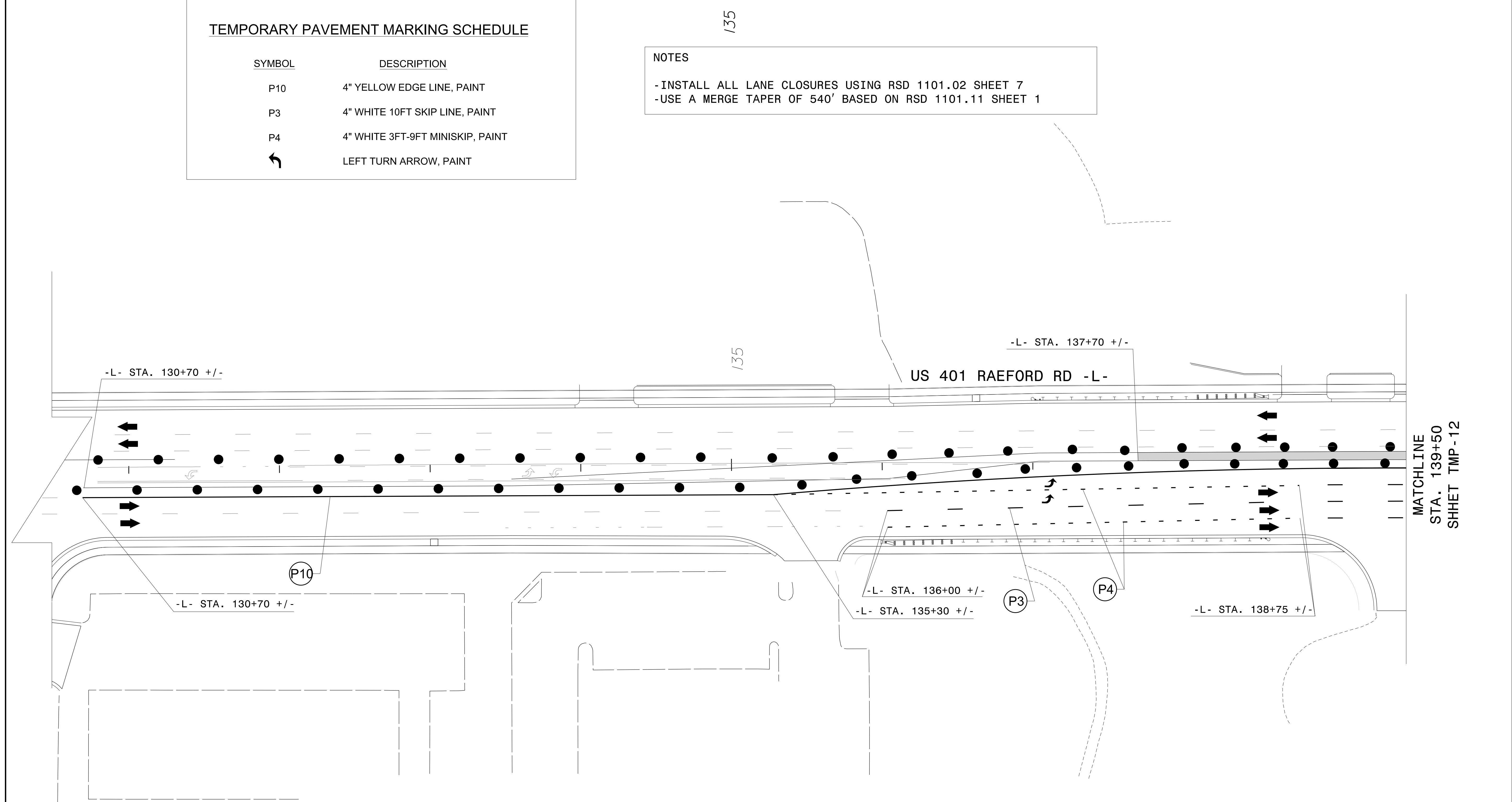


TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
P10	4" YELLOW EDGE LINE, PAINT
P3	4" WHITE 10FT SKIP LINE, PAINT
P4	4" WHITE 3FT-9FT MINISKIP, PAINT
	LEFT TURN ARROW, PAINT

NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1

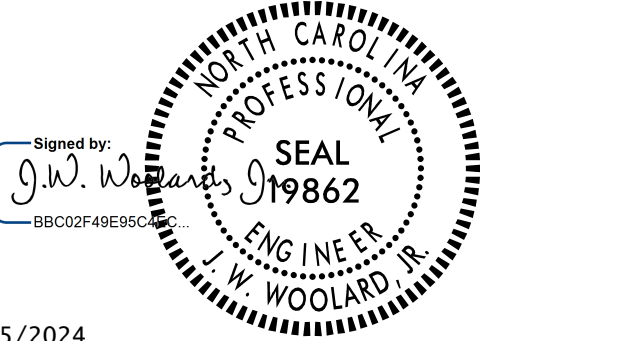


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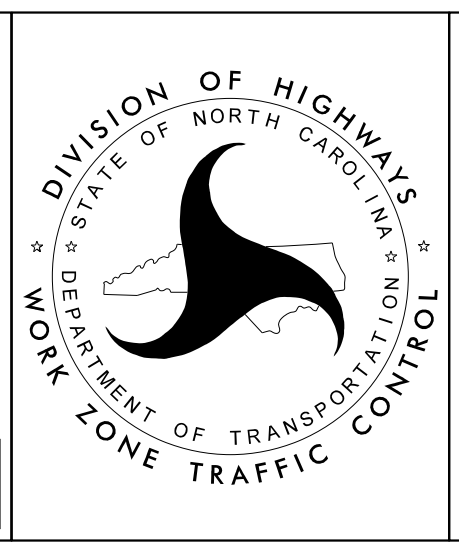
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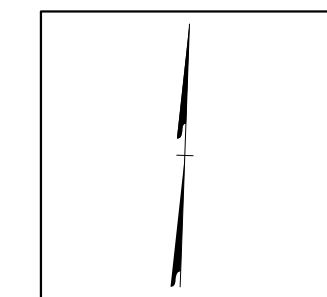


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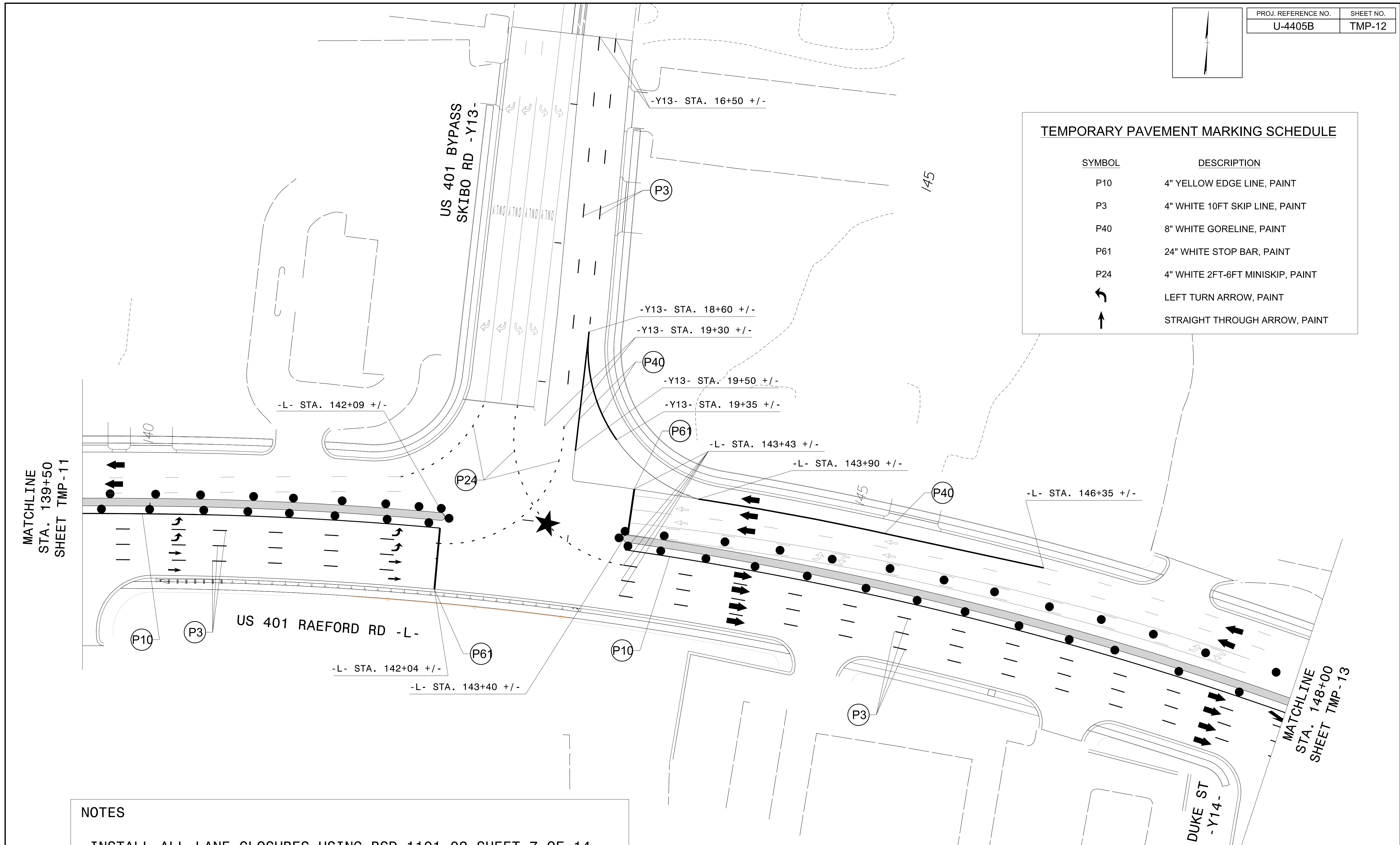


US 401 -L-
 PHASE III
 STEP 2



TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
P10	4" YELLOW EDGE LINE, PAINT
P3	4" WHITE 10FT SKIP LINE, PAINT
P40	8" WHITE GORELINE, PAINT
P61	24" WHITE STOP BAR, PAINT
P24	4" WHITE 2FT-6FT MINISKIP, PAINT
	LEFT TURN ARROW, PAINT
	STRAIGHT THROUGH ARROW, PAINT



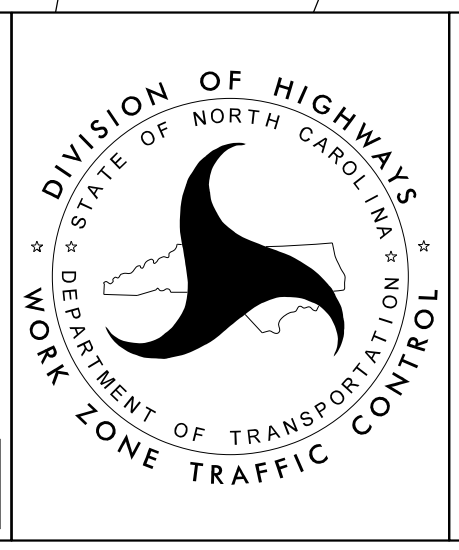
NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

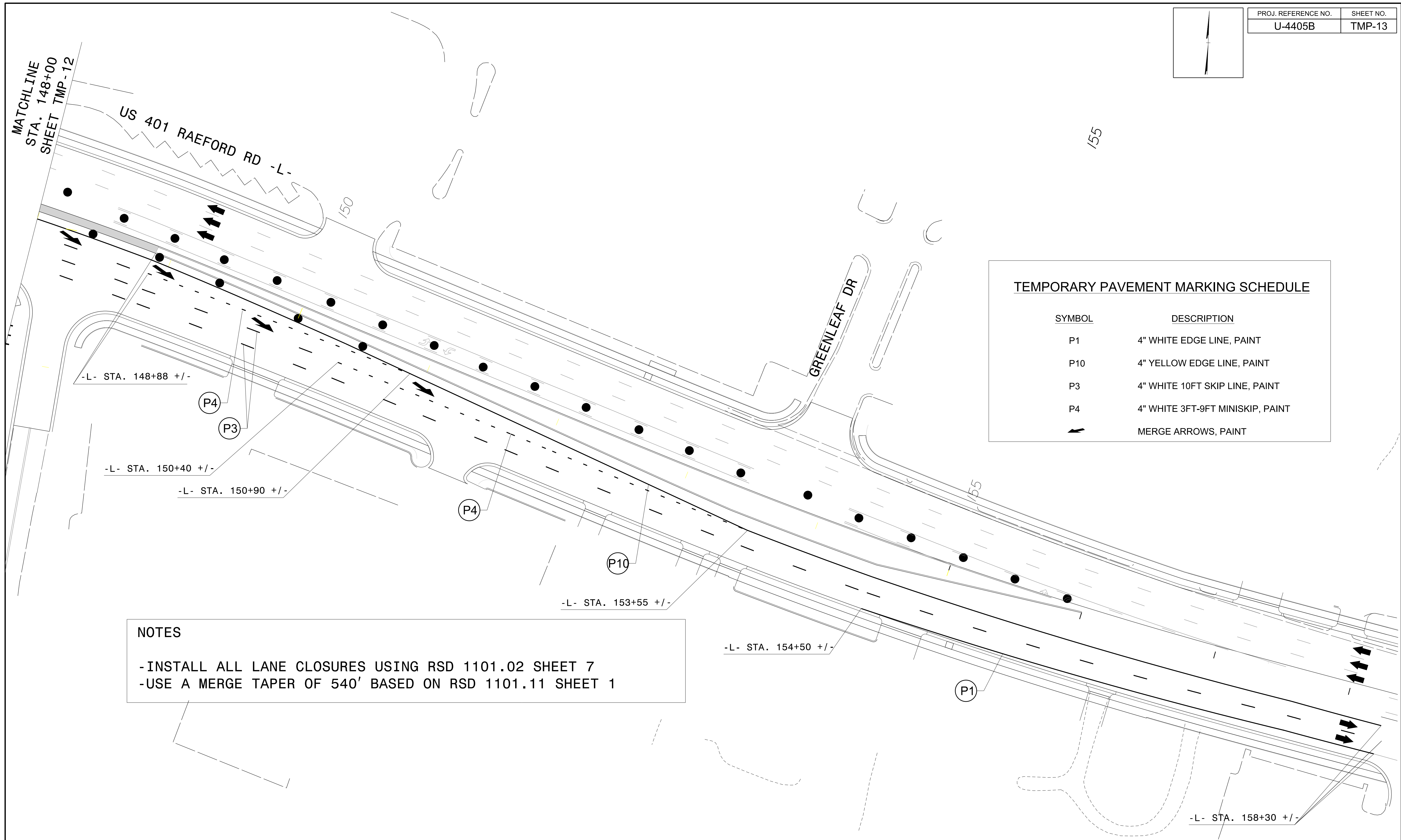
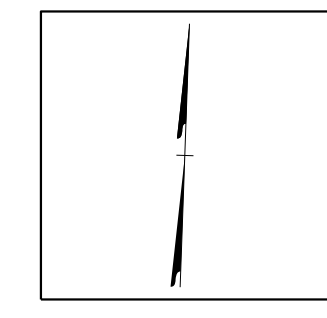
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US 401 -L-
PHASE III
STEP 2



TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
P1	4" WHITE EDGE LINE, PAINT
P10	4" YELLOW EDGE LINE, PAINT
P3	4" WHITE 10FT SKIP LINE, PAINT
P4	4" WHITE 3FT-9FT MINISKIP, PAINT
	MERGE ARROWS, PAINT

NOTES

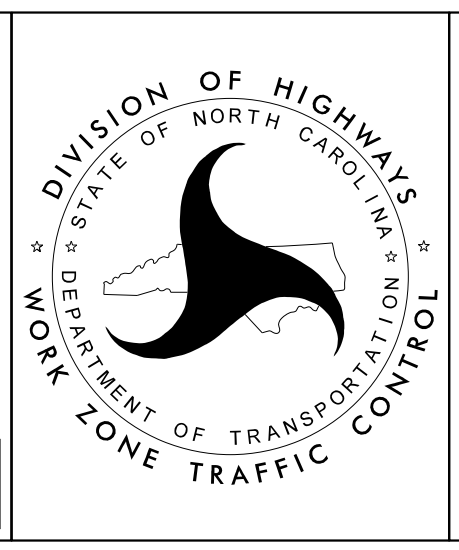
- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1

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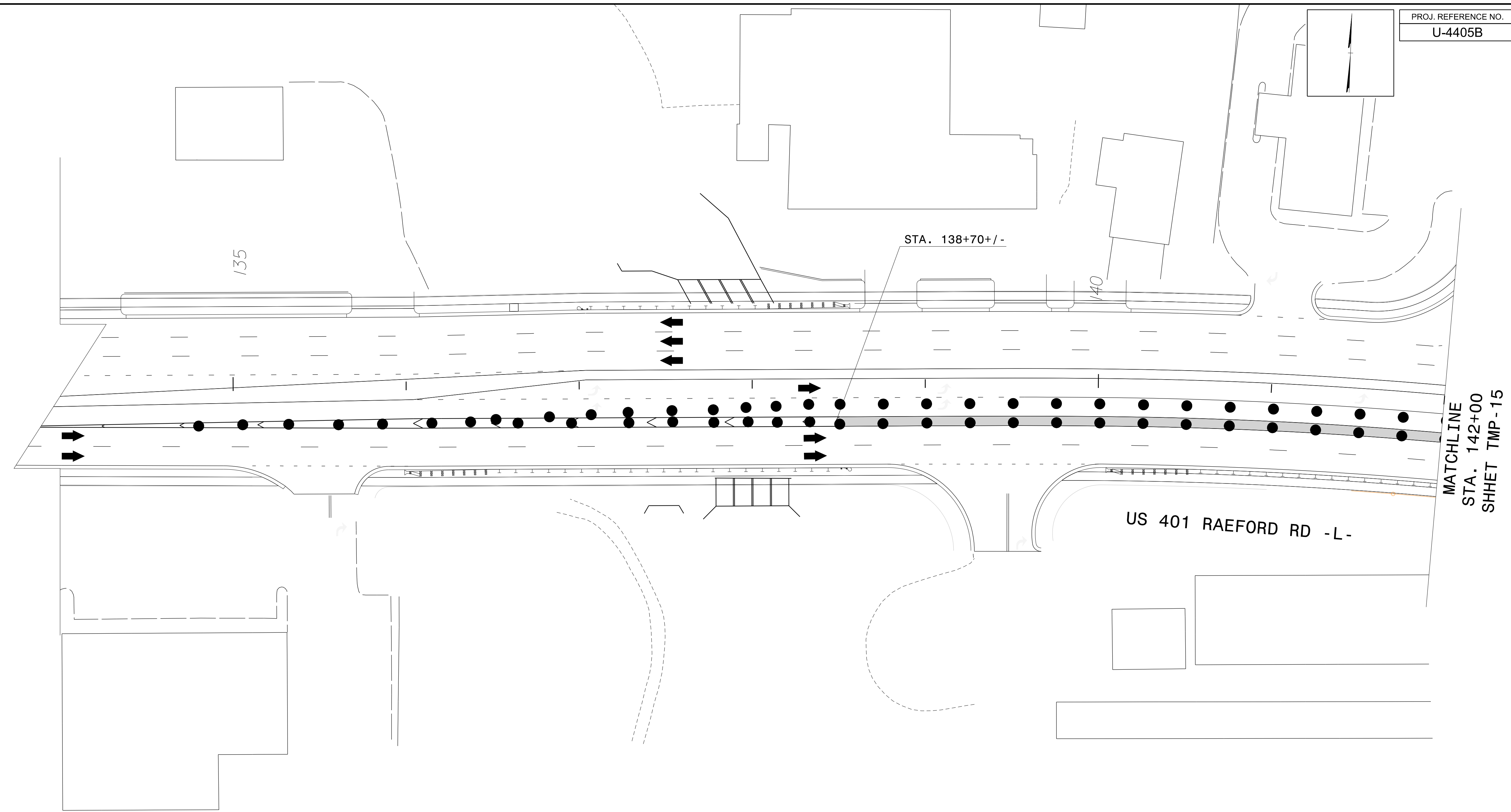
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 PHASE III
 STEP 2**



NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1

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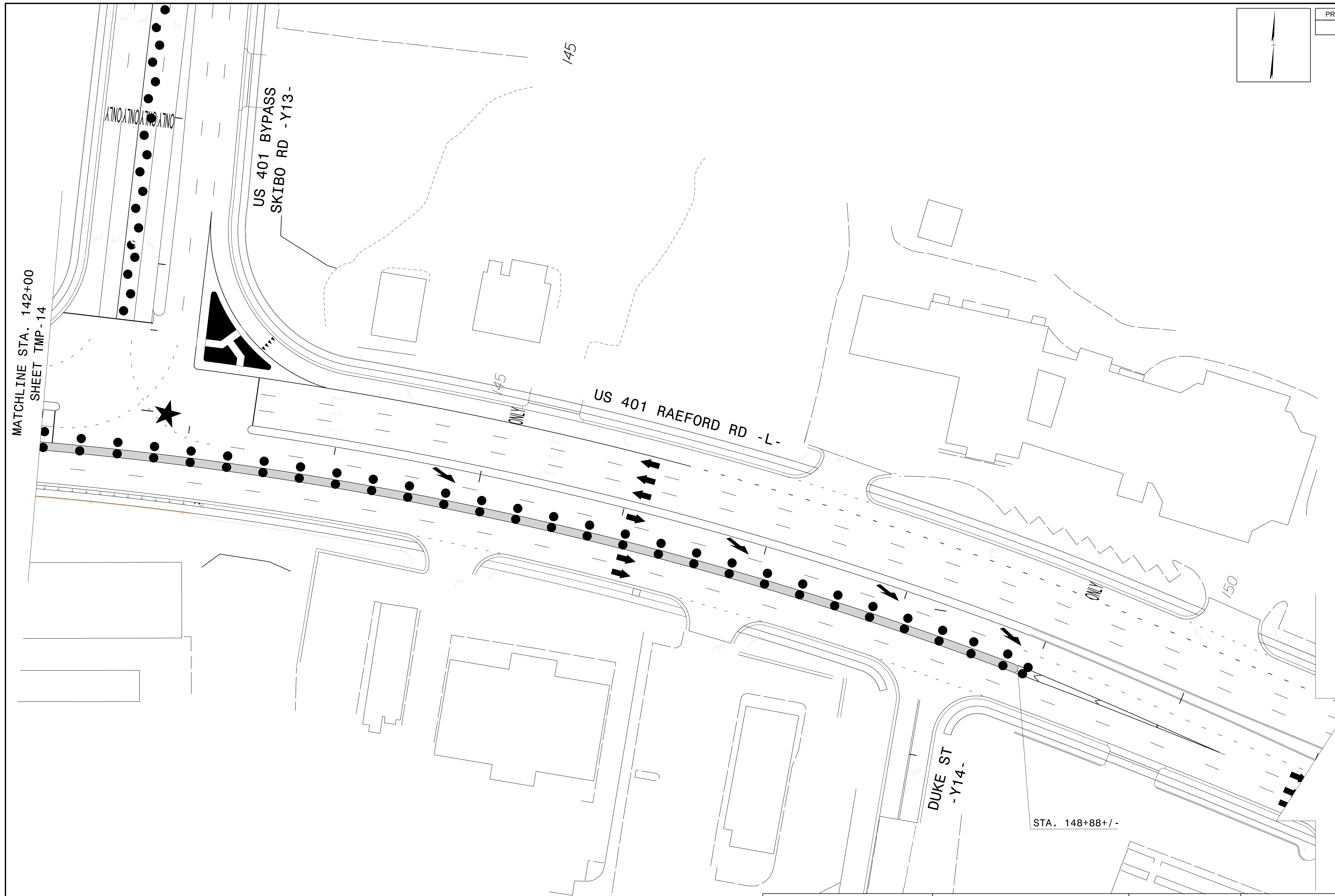
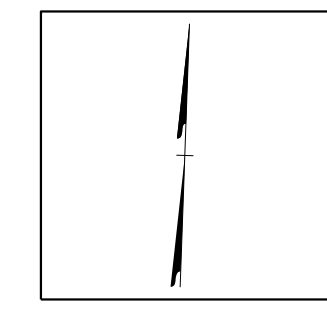
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PHASE III
STEP 3**



MATCHLINE STA. 142+00
SHEET TMP-14

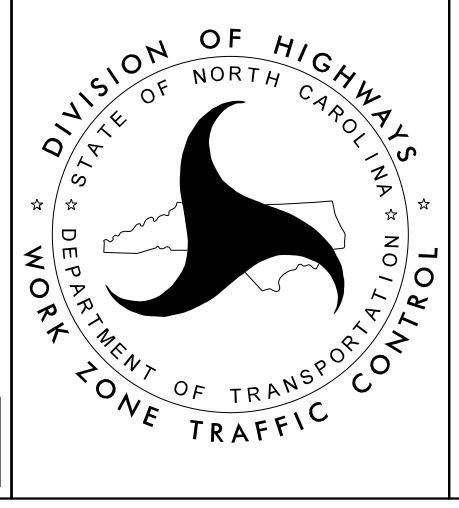
NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1

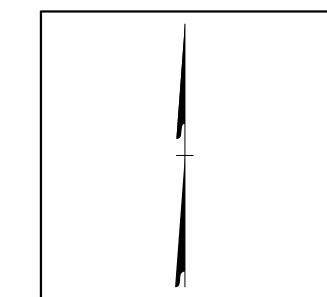
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PHASE III
STEP 3**

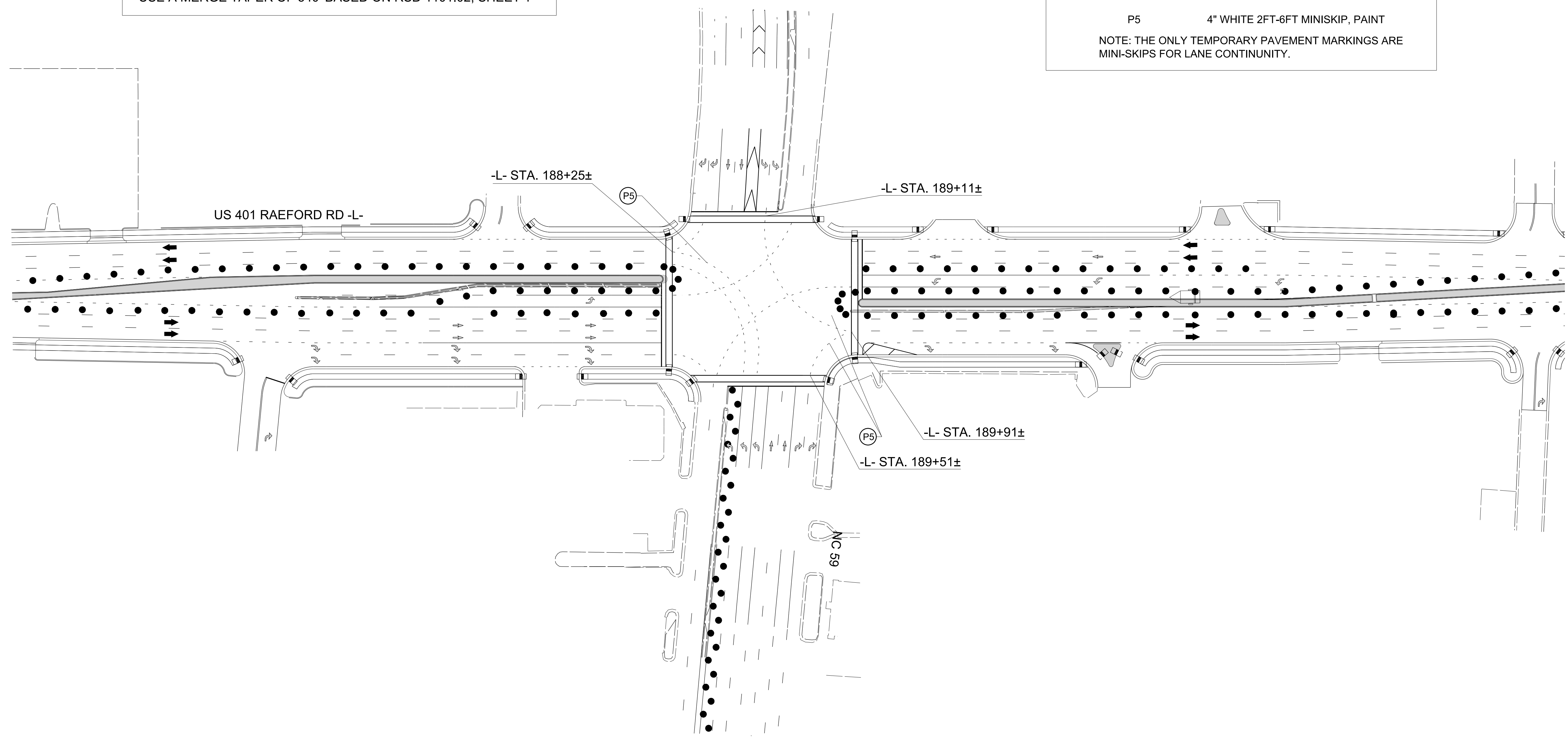


NOTES
 -INSTALL ALL LANE CLOSURES USING RSD 1101.02, SHEET 7
 - USE A MERGE TAPER OF 540' BASED ON RSD 1101.02, SHEET 1

TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
P5	4" WHITE 2FT-6FT MINISKIP, PAINT

NOTE: THE ONLY TEMPORARY PAVEMENT MARKINGS ARE MINI-SKIPS FOR LANE CONTINUITY.

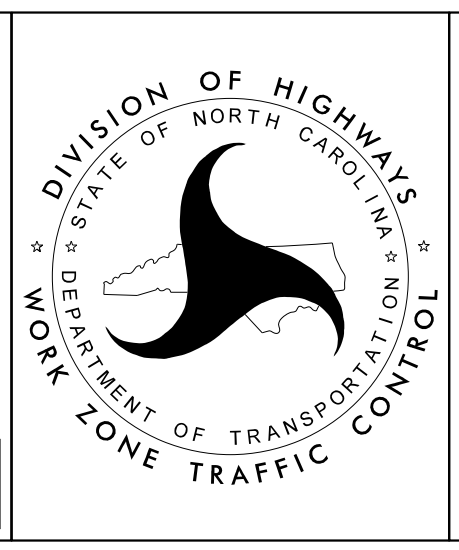


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