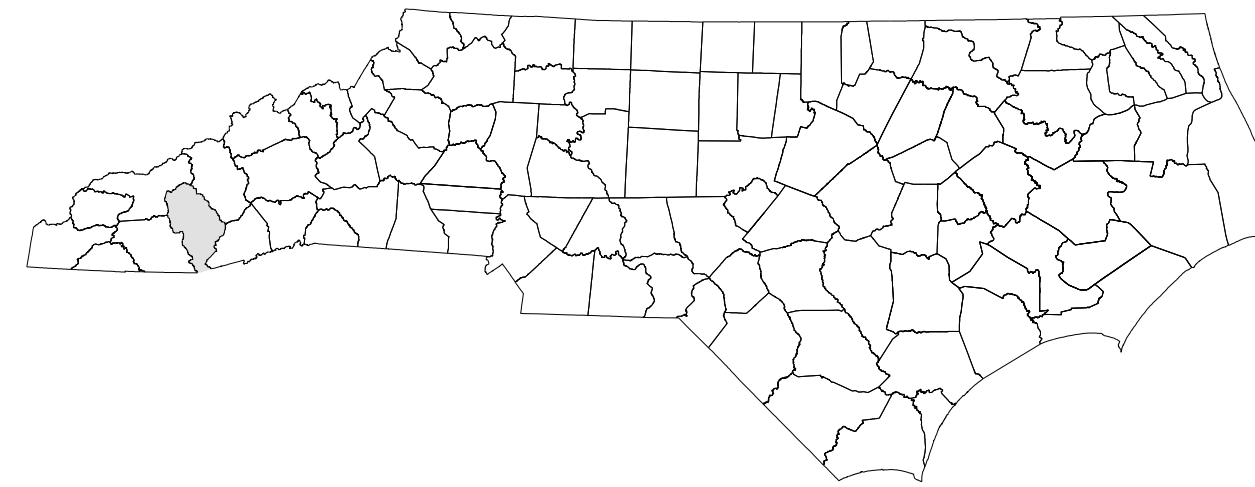


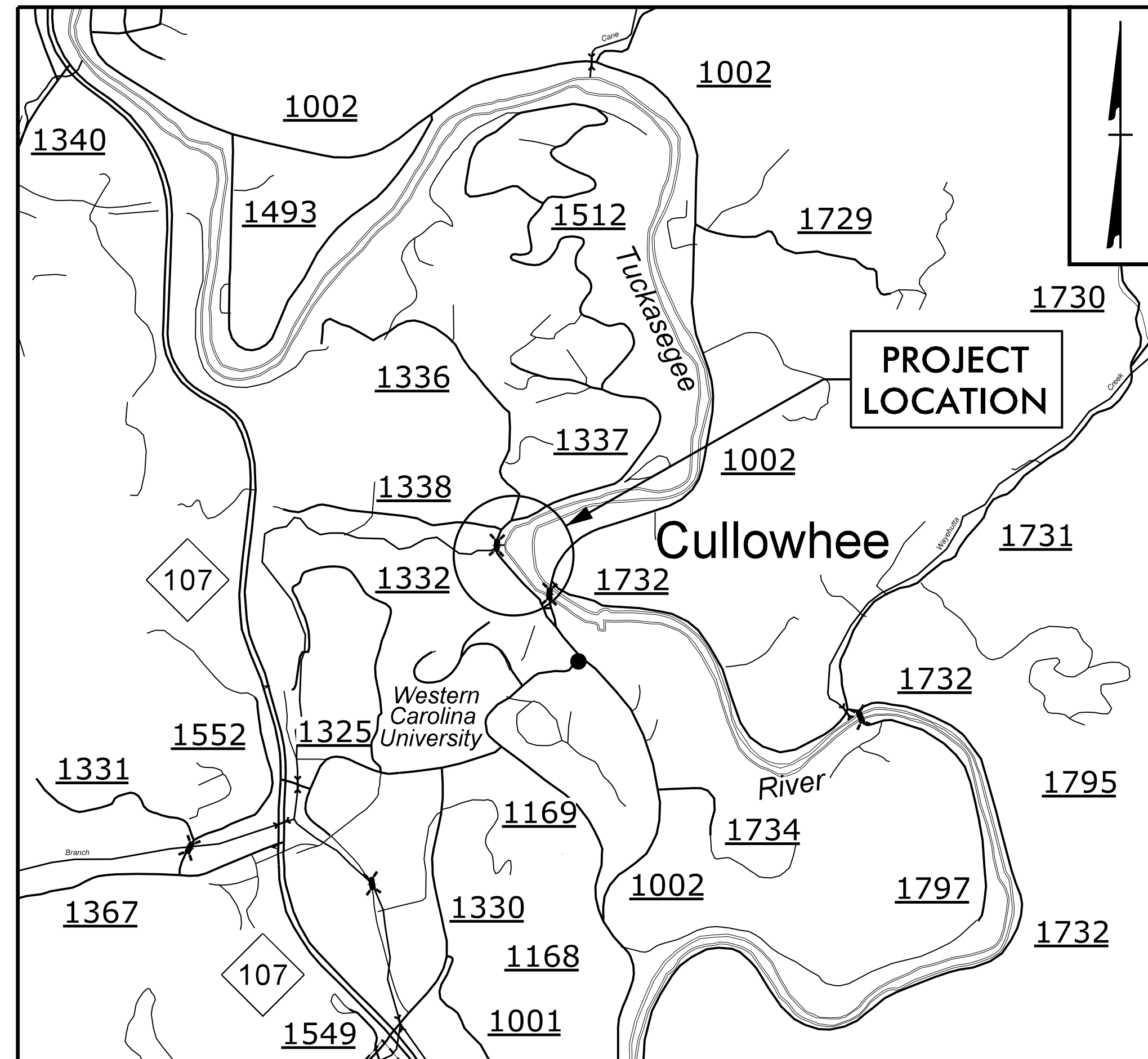
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

JACKSON COUNTY



LOCATION: SR 1336 (MONTEITH GAP RD) FROM NORTH OF SR 1002 (OLD CULLOWHEE RD) TO NORTH OF SR 1337 (LEDBETTER RD)



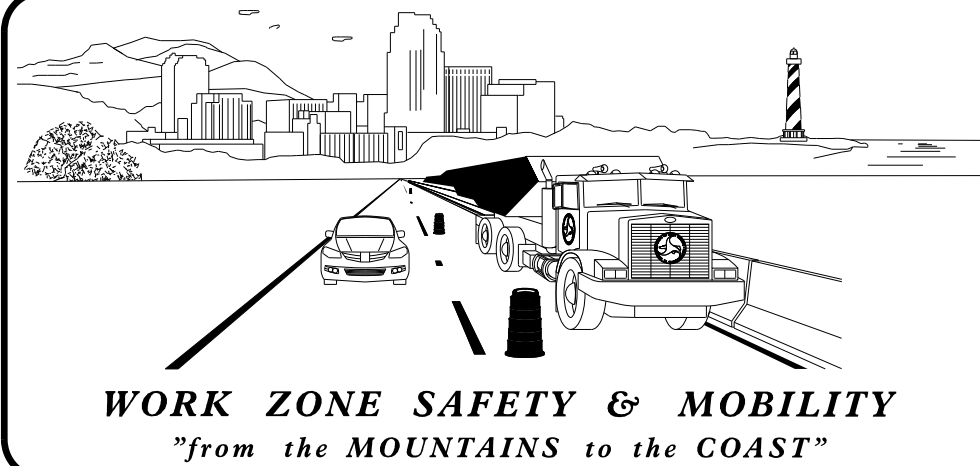
INDEX OF SHEETS

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 AND TMP-2A	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES AND GENERAL NOTES)
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4 THRU TMP-7	TEMPORARY TRAFFIC CONTROL PHASE 1 DETAILS
TMP-8 AND TMP-9	TEMPORARY TRAFFIC CONTROL PHASE 2 DETAILS

SHEET NO.
TMP-1

CONTRACT: C204715 STATE PROJECT: 17BP.14.R.212

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PLANS PREPARED BY:

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TRAFFIC CONTROL PROJECT ENGINEER

CHRIS HARMEN
TRAFFIC CONTROL DESIGN ENGINEER

NCDOT CONTACTS:

PROJECT ENGINEER
KARMEN DAIS, P.E.

PROJECT DESIGN ENGINEER



PLAN PREPARED BY:

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N.C.B.E.L.S. License Number: F-0116

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APPROVED: Michelle Ward
DATE: 3/8/2022

SEAL







ROADWAY STANDARD DRAWINGS


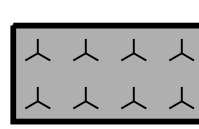
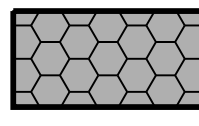
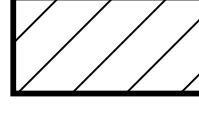

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE 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
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGERS
1180.01	SKINNY-DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION




LEGEND

GENERAL

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

-  WORK AREA
-  ONGOING CONSTRUCTION
-  TEMPORARY PAVEMENT
-  WEDGING
-  REMOVAL





SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY

PAVEMENT MARKINGS












-  EXISTING LINES
-  TEMPORARY LINES

TEMPORARY PAVEMENT MARKING




-  P1 PAINT 4" WHITE EDGELINE
-  P5 PAINT 4" 2'-6'/SP. WHITE MINI-SKIP
-  P13 PAINT 4" YELLOW DOUBLE CENTER
-  P61 PAINT 24" WHITE STOP BAR

THERE ARE 6", 8", AND 12" PAINT PAVEMENT MARKINGS USED TO PLACE TRAFFIC IN THE FINAL PATTERN DURING PHASE 2, STEP 1 OF THE TRAFFIC CONTROL PLANS. THESE MARKINGS ARE REFERENCED IN THE TRAFFIC CONTROL PHASING AND ON THE TRAFFIC CONTROL PLANS SHEETS BUT ARE NOT LABELED ON PLAN SHEETS.




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

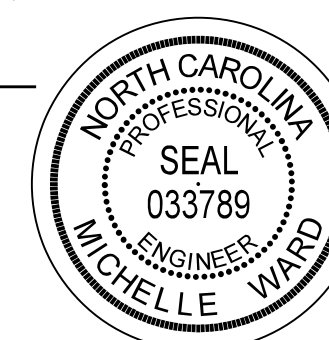

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

-  PAVEMENT MARKING SYMBOLS

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APPROVED: <i>Michelle Ward</i> DATE: 6/2/2023			<h2 style="margin: 0;">ROADWAY STANDARD DRAWINGS & LEGEND</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

MANAGEMENT STRATEGIES

IN PHASE 1 - STEP 1, TRAFFIC IS MAINTAINED ON EXISTING TRAVEL LANES AND CONSTRUCTION MAY BEGIN ON THE LEFT, RIGHT, OR BOTH SIDES OF -L- AND -Y1-, INCLUDING TEMPORARY PAVEMENT NEEDED FOR INTERIM TRAFFIC SHIFTS IN PHASE 1, STEP 2. PROPOSED ROUNDABOUT WILL BE PARTIALLY CONSTRUCTED FOR STEP 2 -Y1- TRAFFIC SHIFT. WEDGING OVER EXISTING PAVEMENT WILL BE REQUIRED IN ORDER TO MAINTAIN TRAFFIC.

IN PHASE 1 - STEP 2, TRAFFIC IS SHIFTED FROM -Y1- ONTO NEW AND TEMPORARY PAVEMENT TO CONSTRUCT THE REMAINDER OF PROPOSED ROUNDABOUT, -L-, -Y1-, AND -Y2- ROADWAY. A CONTINUOUS FLAGGER OPERATION WILL BE NEEDED TO RECONSTRUCT PORTION OF ROADWAY TIE-IN AT NORTH END OF PROJECT.

IN PHASE 2, TRAFFIC IS SHIFTED ONTO NEW PAVEMENT IN THE FINAL PATTERN. DURING THIS PHASE, THE REMAINDER OF ROADWAY, MEDIAN, & CURB AND GUTTER WILL BE COMPLETED.

ONCE ALL WORK IS COMPLETE, THE FINAL LAYER OF SURFACE COURSE AND FINAL MARKINGS & MARKERS WILL BE PLACED.

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
-L- (MONTEITH GAP RD)	MONDAY - FRIDAY
-Y1- (PAINTER RD)	7:00 A.M. - 9:00 A.M.
-Y2- (LEDBETTER RD)	4:00 P.M. - 6:00 P.M.

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

ROAD NAME

- L- (MONTEITH GAP RD)
- Y1- (PAINTER RD)
- Y2- (LEDBETTER RD)

HOLIDAY

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

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY AND 6:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY & TIME RESTRICTIONS	DURATION & OPERATION
ALL ROADS	MONDAY - FRIDAY 9:00 P.M. - 9:00 A.M. 4:00 P.M. - 6:00 P.M.	20 MINS FOR BLASTING
	SATURDAY - SUNDAY 9:00 P.M. - 9:00 A.M.	

PROJ. REFERENCE NO. 17BP.14.R.212	SHEET NO. TMP-2
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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 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.
- H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- I) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- J) DO NOT INSTALL MORE THAN 1/2 MILE OF LANE CLOSURE ON -L- (MONTEITH GAP RD) MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- K) DO NOT INSTALL MORE THAN ONE SIMULTANEOUS LANE CLOSURES IN ANY ONE DIRECTION ON -L- (MONTEITH GAP RD).

PAVEMENT EDGE DROP OFF REQUIREMENTS

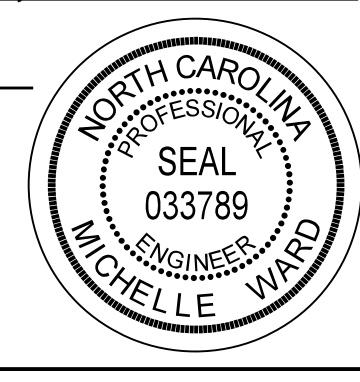

- L) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- M) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES 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.

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 REVISIONS

APPROVED: <i>Michelle Ward</i> DATE: 3/30/2022 SEAL 		TRANSPORTATION OPERATIONS PLAN
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GENERAL NOTES

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- O) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- P) 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.

PAVEMENT MARKINGS AND MARKERS

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

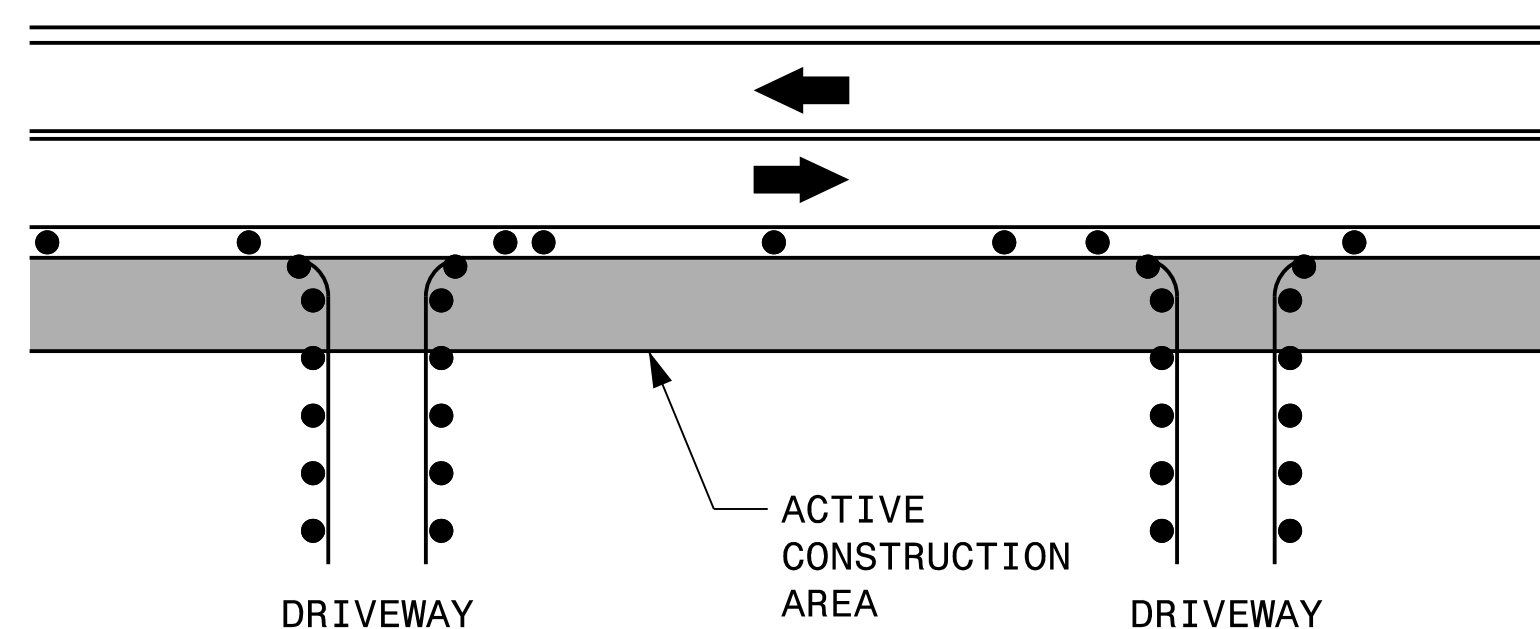
ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	TEMPORARY RAISED

- U) 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.
- V) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- W) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- X) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION.

MISCELLANEOUS



- Y) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- Z) PLACE DRUMS ALONG ALL DRIVEWAYS TO PREVENT TRAFFIC FROM ENTERING ACTIVE CONSTRUCTION AREAS.

DRUM PLACEMENT ALONG DRIVEWAYS TYPICAL



AA) 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.

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 REVISIONS

APPROVED: <i>Michelle Ward</i> DATE: 1/21/2022 SEAL 		TRANSPORTATION OPERATIONS PLAN
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PHASING

PROJ. REFERENCE NO. 17BP.14.R.212	SHEET NO. TMP-3
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NOTES:

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, INSTALL ADVANCE WARNING SIGNS ON ALL ROADS, ACCORDING TO RSD 1101.01. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

MAINTAIN ACCESS TO ALL RESIDENCES, SCHOOLS, BUS STOPS, EMERGENCY SERVICES, AND BUSINESSES AT ALL TIMES. PRIOR TO INCORPORATION, OBTAIN WRITTEN APPROVAL FROM THE ENGINEER ON METHOD TO MAINTAIN ACCESS.

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

MAINTAIN EXISTING DRAINAGE DITCHES AS LONG AS POSSIBLE AND FIELD ADJUST TO TIE TO PROPOSED DRAINAGE TO EXISTING PIPES OR DITCHES.

WHEN WEDGING OVER THE EXISTING PAVEMENT, WEDGE TO PROPOSED ELEVATION (LESS THE FINAL LAYER OF SURFACE COURSE), OR WEDGE AS NEEDED TO MAINTAIN TRAFFIC. MAINTAIN POSITIVE DRAINAGE AND MAINTAIN A MAXIMUM .04 ROLLOVER IN BOTH EXISTING AND/OR TEMPORARY TRAVEL LANES.

REPLACE MARKINGS AND RETURN TRAFFIC TO THE CURRENT TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

WHEN USING LANE CLOSURES (RSD 1101.02), RETURN TRAFFIC TO EXISTING AND/OR CURRENT TEMPORARY TRAFFIC PATTERN UPON ACTIVITIES COMPLETION, UNLESS OTHERWISE NOTED IN THE PHASING.

WHEN PHASING STATES TO USE LANE CLOSURES, REFER TO THE FOLLOWING FOR ALL EXISTING AND PROPOSED ROADS:

- ALL TWO-LANE/TWO-WAY FACILITIES - SEE RSD 1101.02, SHEET 1 OF 14

FOR ALL SHOULDER CLOSURES, SEE RSD 1101.04.

COMPLETE PAVING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE UNTIL STATED TO PLACE FINAL LAYER IN THE PHASING.

PHASE 1

STEP 1: (SEE TMP-4 AND TMP-5)

AWAY FROM TRAFFIC AND USING LANE CLOSURES, AS NECESSARY, BEGIN CONSTRUCTION OF PROPOSED ROADWAY AND ROUNDABOUT FROM -L- STA. 11+14 +/- TO -L- STA. 22+82 +/- AND FROM -L- STA. 23+62 +/- TO -L- STA. 28+00 +/-.

NOTES:

1. CONSTRUCT 8' OF TEMPORARY PAVEMENT FROM -L- STA. 23+34 +/- TO -Y1- STA. 12+30 +/-, PLACE TEMPORARY MARKINGS AND SHIFT TRAFFIC ONTO THE TEMPORARY PAVEMENT AS SHOWN ON TMP-4 PRIOR TO COMPLETING PHASE 1, STEP 1 WORK ON THE ROUNDABOUT.

AWAY FROM TRAFFIC AND USING LANE CLOSURES, AS NECESSARY, CONSTRUCT -Y1DET- FOR PHASE 1, STEP 2 TEMPORARY TRAFFIC PATTERN.

USING LANE CLOSURES, BEGIN CONSTRUCTION OF SLOPE AND DITCH WORK ALONG RIGHT SIDE OF -L- FROM STA. 27+19 +/- TO STA. 28+00 +/-.

STEP 2: (SEE TMP-6 AND TMP-7)

COMPLETE CONSTRUCTION OF -Y1DET- AND PORTION OF ROUNDABOUT BEGUN IN STEP 1, THEN AWAY FROM TRAFFIC AND USING LANE CLOSURES, AS NECESSARY, PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -Y1DET- IN THE PHASE 1, STEP 2 TRAFFIC PATTERN AND SHIFT -Y1- (PAINTER RD) TRAFFIC TO -Y1DET-, THEN CONSTRUCT THE FOLLOWING: (RETURN TRAFFIC TO THE EXISTING PATTERN AT THE END OF THE WORK PERIOD)

- REMAINING PORTION OF ROUNDABOUT
- REMAINING PORTION OF -Y1-
- -L- FROM ROUNDABOUT TO -L- STA. 23+62 +/-
- WEDGING OVER EXISTING MONTEITH GAP ROAD AT -Y2-
- TIE-IN OF -L- FROM STA. 11+14 +/- TO STA. 16+20 +/-

COMPLETE ALL CONSTRUCTION BEGUN IN STEP 1 AND STEP 2 PRIOR TO COMPLETEING THE WORK REQUIRED IN PHASE 1, STEP 2A BELOW.

STEP 2A: (SEE TMP-7)

USING A ONE-LANE / TWO-WAY TRAFFIC PATTERN DURING ALLOWABLE LANE CLOSURE TIMEFRAMES, CONSTRUCT TIE-IN ON -L- FROM STA. 26+50 +/- TO STA. 28+00 +/-, AS SHOWN IN THE PHASE 1, STEP 2A DETAIL. ONCE COMPLETE, MOVE DIRECTLY TO THE PHASE 2, STEP 1 TRAFFIC PATTERN.

PHASE 2

STEP 1: (SEE TMP-8 AND TMP-9)

AWAY FROM TRAFFIC AND USING LANE CLOSURES, AS NECESSARY, PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS IN THE PHASE 2 TRAFFIC PATTERN (FINAL PATTERN) AND SHIFT TRAFFIC, THEN CONSTRUCT THE FOLLOWING:

- REMAINDER OF -L- (RT SIDE) FROM STA. 11+14 +/- TO STA. 16+20 +/-
- CURB & GUTTER AND SIDEWALK THAT WAS OMITTED IN PHASE 1 ALONG -L- AND -Y1-
- MONOLITHIC ISLANDS AT ROUNDABOUT
- SHOULDER WORK ALONG -Y2-
- RIGHT SIDE WIDENING AND PAVING FROM -L- STA. 27+19 +/- TO STA. 28+00 +/-, OVERLAY AND SHOULDER WORK ALONG -L- ON NORTH END OF THE PROJECT
- REMOVE PORTIONS OF EXISTING ROADS AS SHOWN

STEP 2:

UPON COMPLETION OF PROPOSED ROADWAY, USING LANE CLOSURES, PLACE THE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS ACCORDING TO THE PAVEMENT MARKING PLAN AND RE-OPEN TO THE FINAL PATTERN.

STEP 3:

REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES.

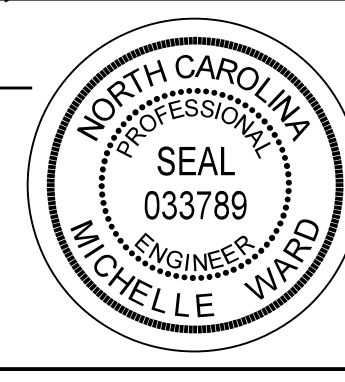
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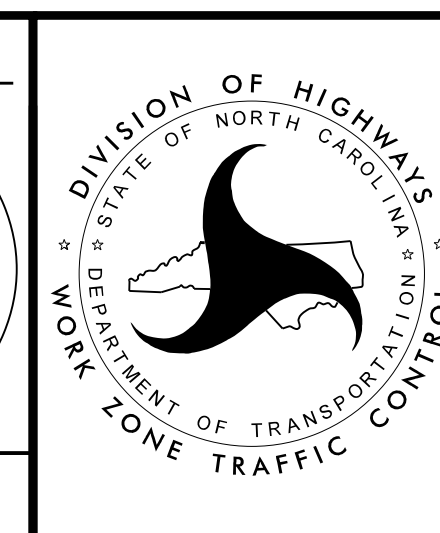
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DATE: 1/21/2022

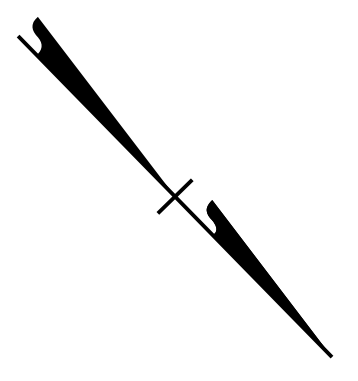
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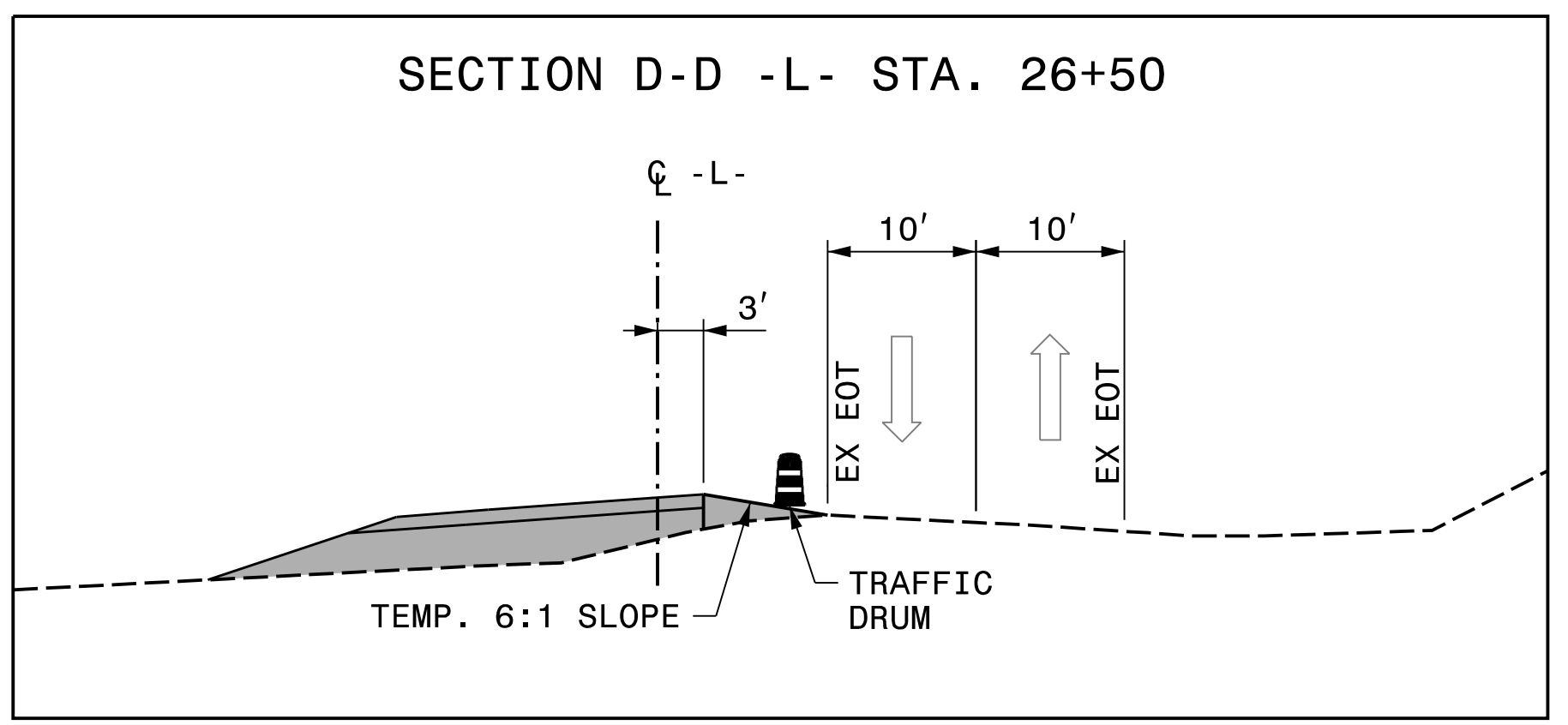
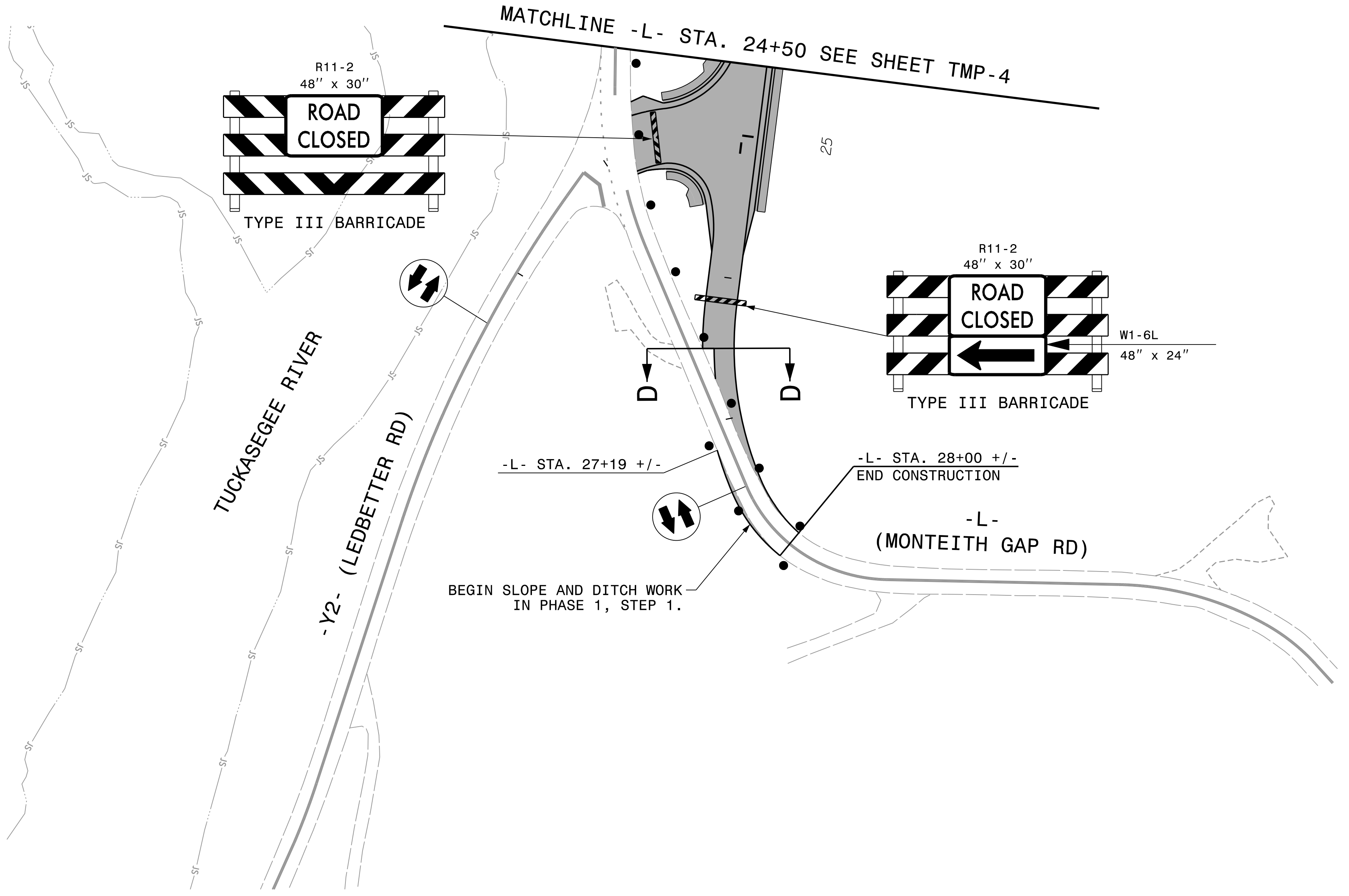


**TEMPORARY TRAFFIC
CONTROL PHASING**



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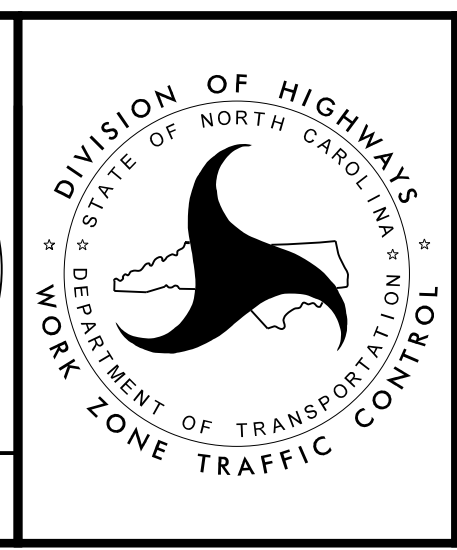
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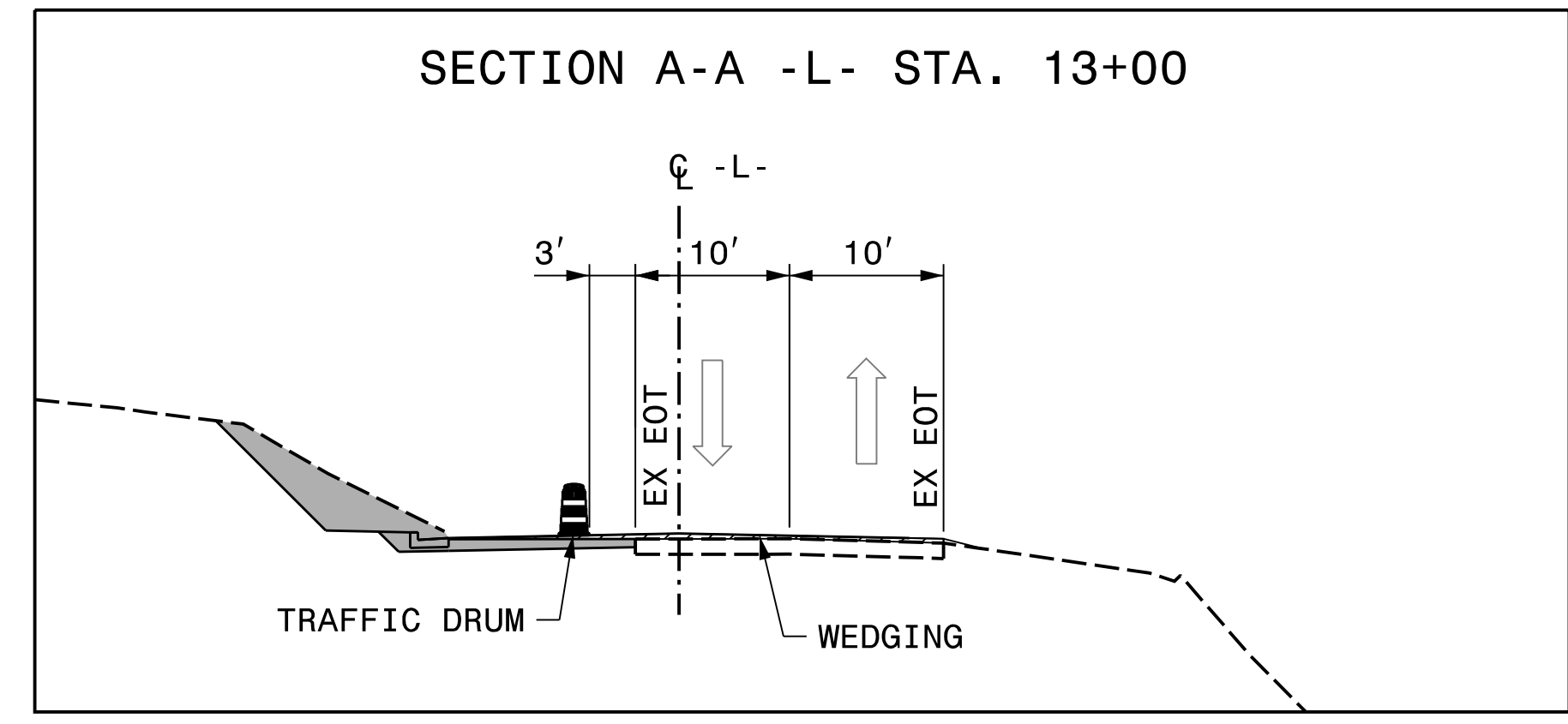
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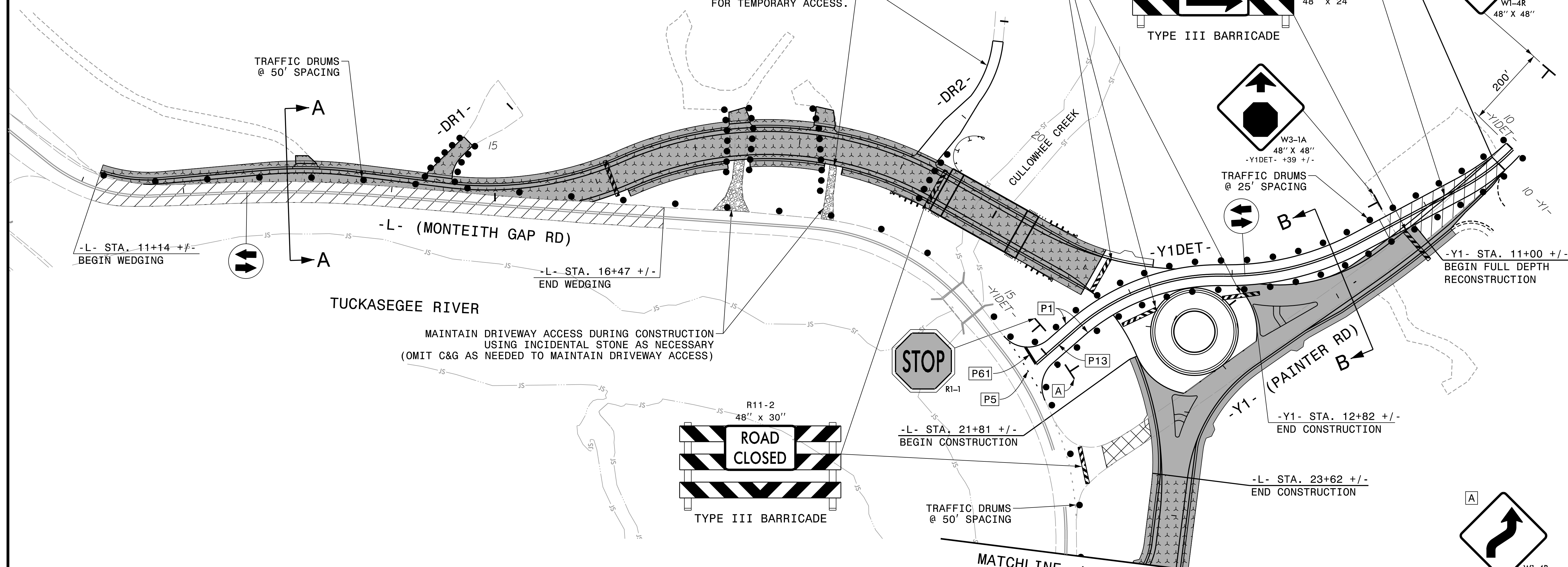
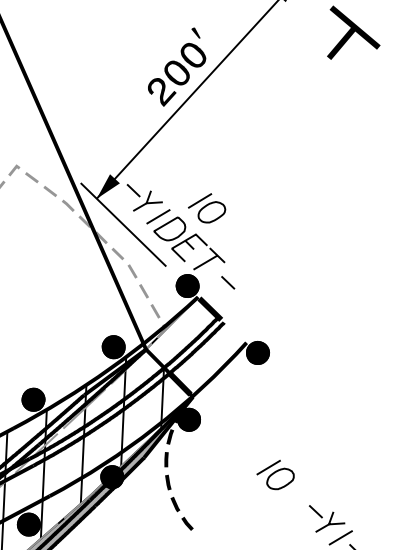
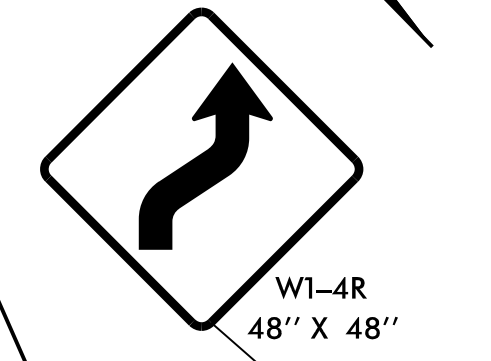
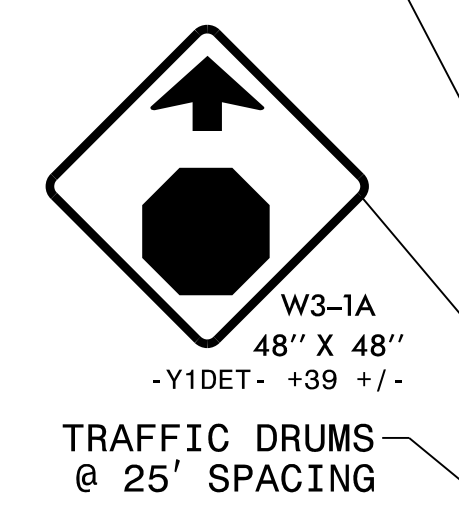
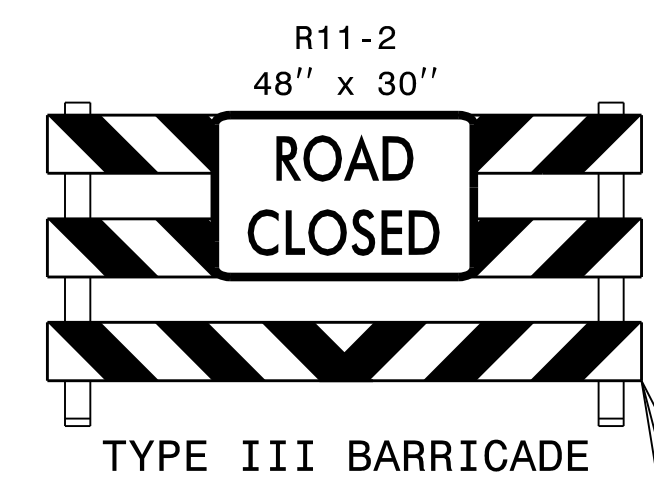


PHASE 1
STEP 1

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UTILIZE NEW -DR2-, -L- (THROUGH WORK AREA), AND EXISTING DRIVEWAY AT STA. 18+20 +/- FOR TEMPORARY ACCESS.



-L- STA. 11+14 +/- BEGIN WEDGING

-L- (MONTEITH GAP RD)

-L- STA. 16+47 +/- END WEDGING

TUCKASEGEE RIVER

MAINTAIN DRIVEWAY ACCESS DURING CONSTRUCTION USING INCIDENTAL STONE AS NECESSARY (OMIT C&G AS NEEDED TO MAINTAIN DRIVEWAY ACCESS)

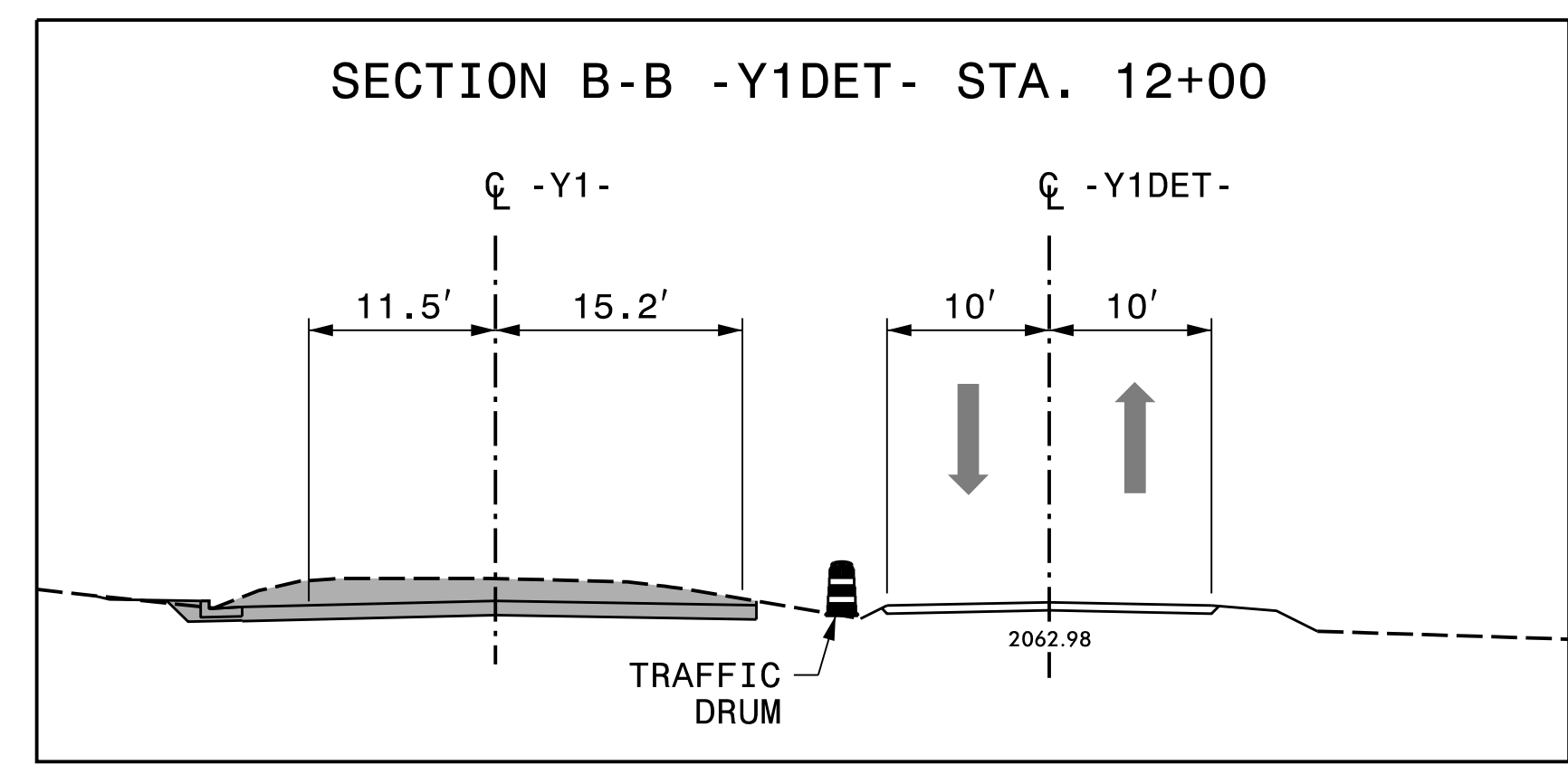
-L- STA. 21+81 +/- BEGIN CONSTRUCTION

-Y1- STA. 12+82 +/- END CONSTRUCTION

-L- STA. 23+62 +/- END CONSTRUCTION

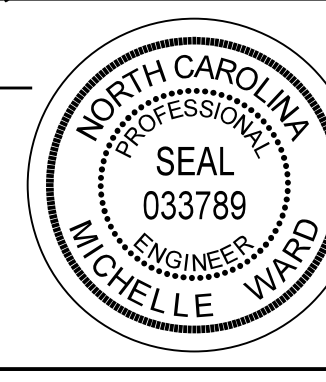
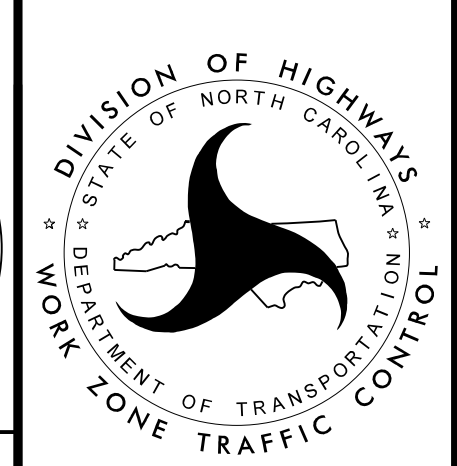
-Y1- STA. 11+00 +/- BEGIN FULL DEPTH RECONSTRUCTION

MATCHLINE -L- STA. 24+50 SEE SHEET TMP-7




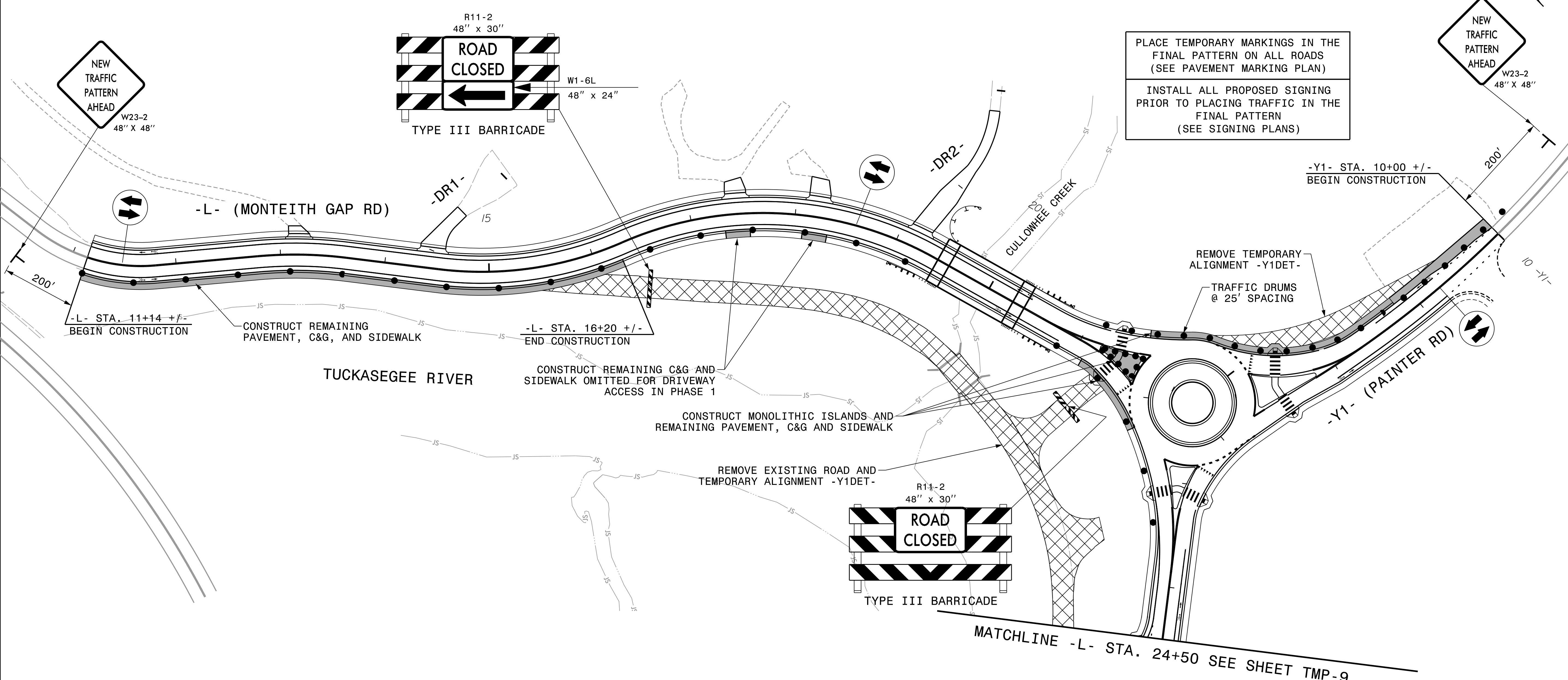
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DATE: 1/21/2022
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PHASE 1
STEP 2

PROJ. REFERENCE NO.	SHEET NO.
17BP.14.R.212	TMP-8
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

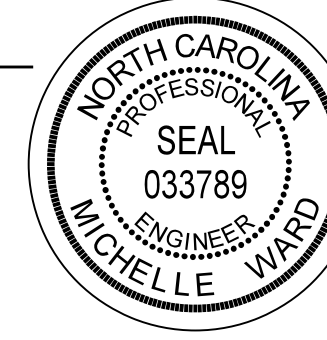


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APPROVED: Michelle Ward

DATE: 1/21/2022

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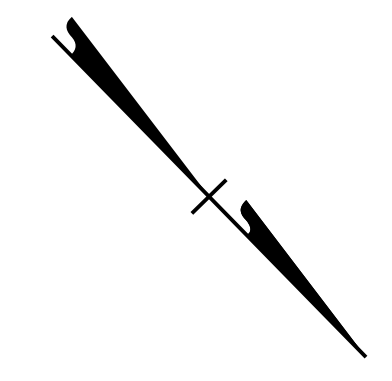
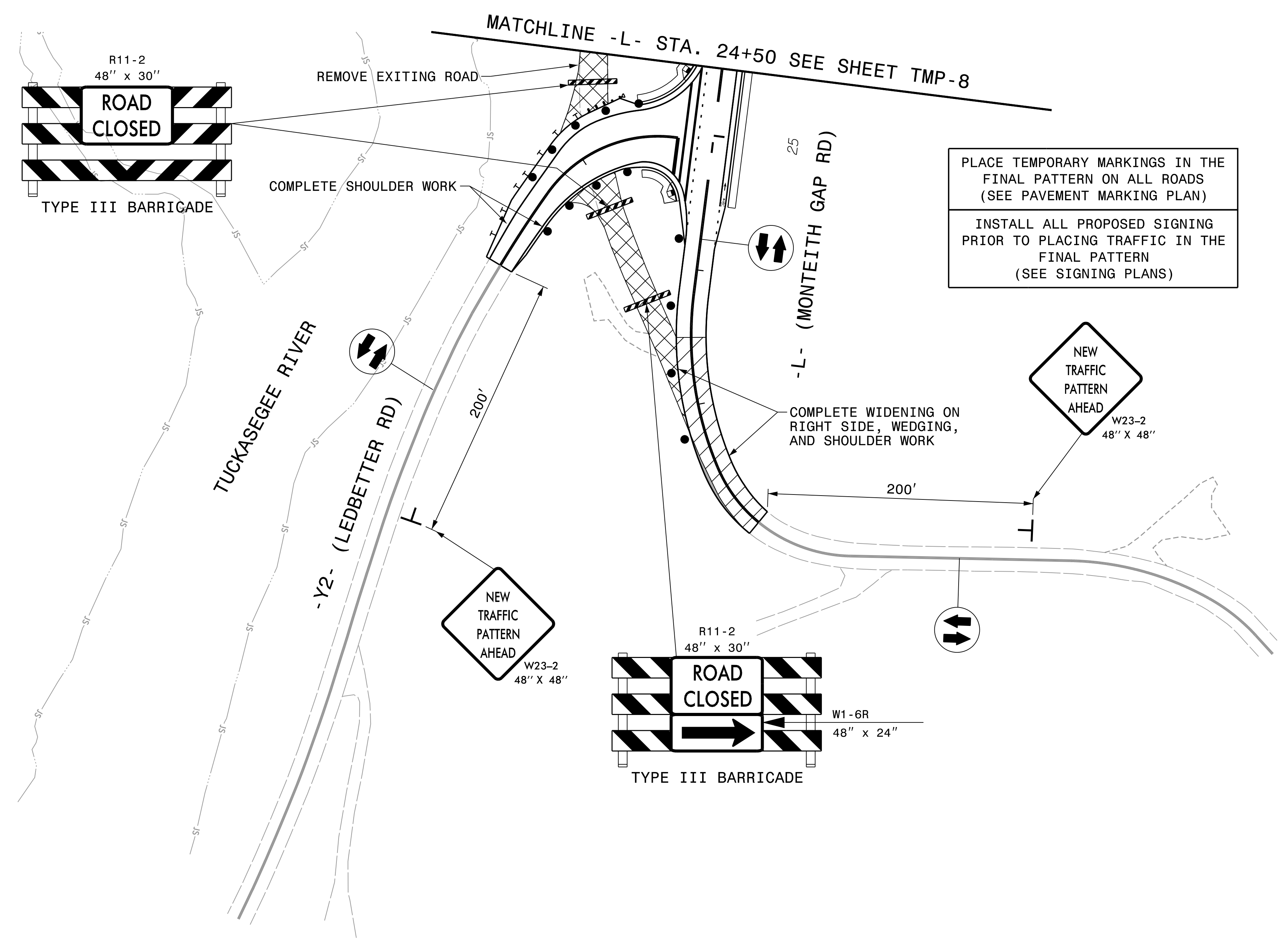
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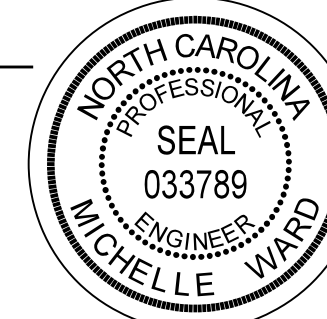
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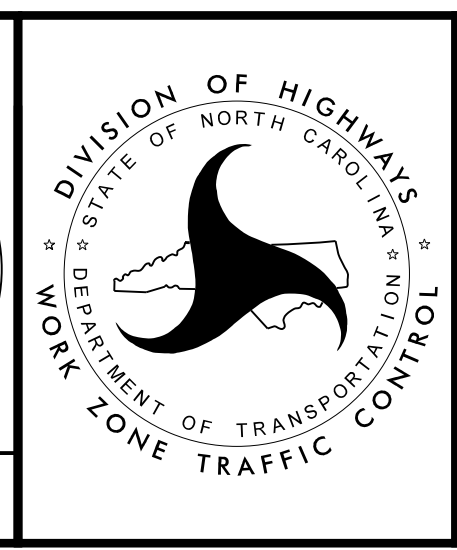

 HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

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REVISIONS



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 DATE: 1/21/2022
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PHASE 2

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