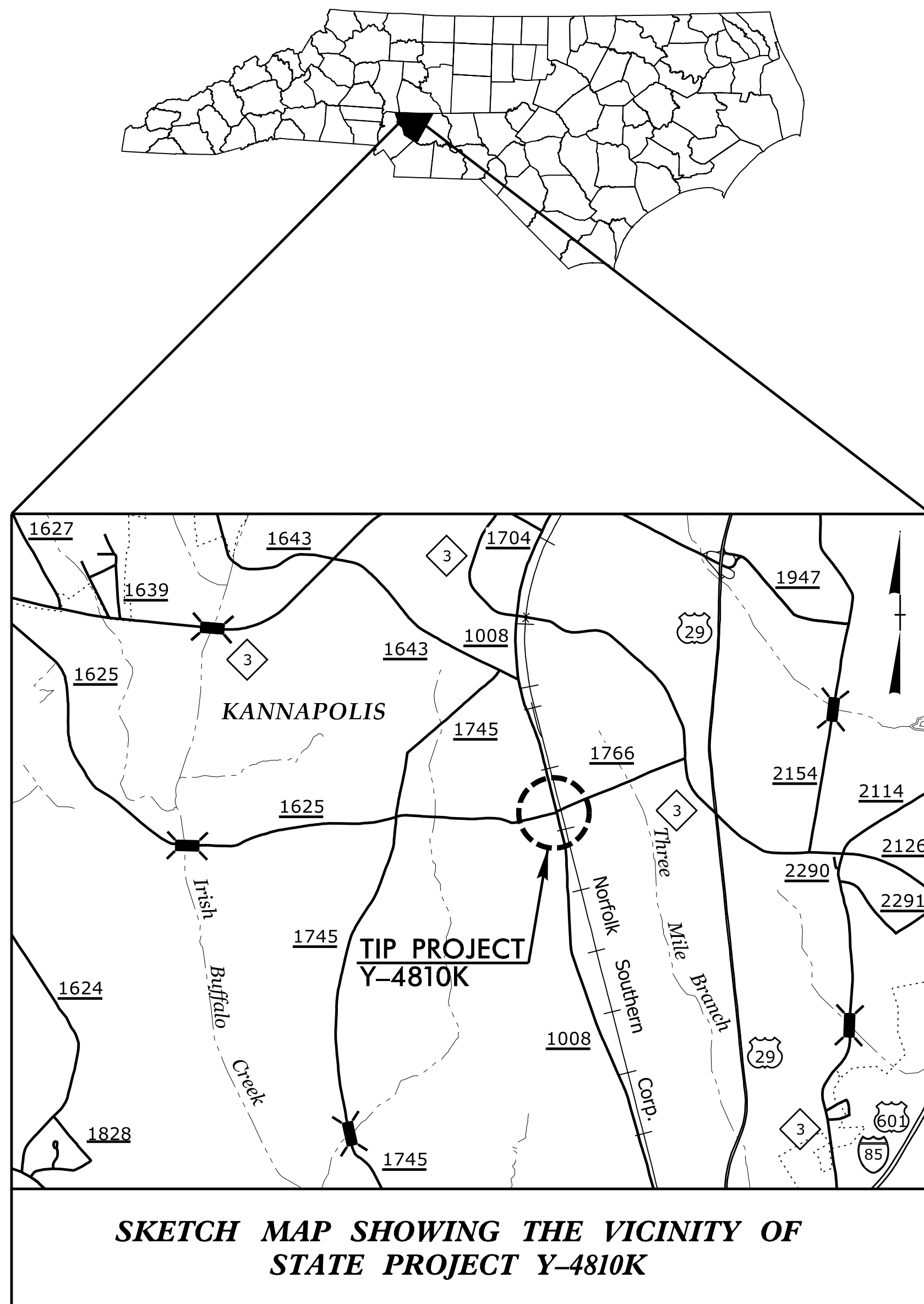


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

CABARRUS COUNTY



SKETCH MAP SHOWING THE VICINITY OF
STATE PROJECT Y-4810K

LOCATION: SR 1625 (ROGERS LAKE RD) GRADE SEPARATION OVER
NCRRNS RAILROAD (CROSSING #724408Y)

TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURE

INDEX OF SHEETS

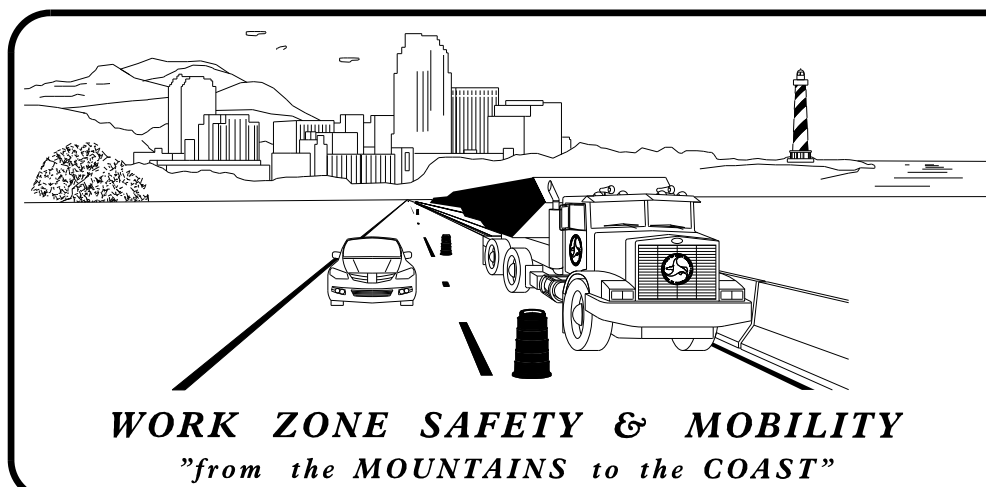
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND & TEMPORARY PAVEMENT MARKING SCHEDULE
TMP-2	TRANSPORTATION OPERATION PLAN (GENERAL NOTES, MANAGEMENT STRATEGIES & LOCAL NOTE)
TMP-2A	DETAIL FOR US 29A AND S. RIDGE AVE. OVERNIGHT ROAD CLOSURES
TMP-3	PHASING
TMP-4 THRU 7	PHASE I DETAILS
TMP-8 THRU 10	PHASE II DETAILS

SHEET NO.
TMP-1

Y-4810K

TIP PROJECT:

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PLANS PREPARED BY:

MIKE RZEPKA, P.E.
PROJECT ENGINEER

Y. MARIOTTE
PROJECT DESIGN ENGINEER

NCDOT CONTACTS:

K. TRIVEDI, P.E.
NCDOT RAIL DIVISION

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HDR 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

APPROVED: *Michael T. Rzepka*
DATE: 9/19/2022

SEAL

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - 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:

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD 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
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	TRUCK MOUNTED ATTENUATOR
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	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
- CONTINUING CONSTRUCTION
- WEDGING/RESURFACING
- REMOVAL

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN
- WATER FILLED BARRIER (WFB)

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

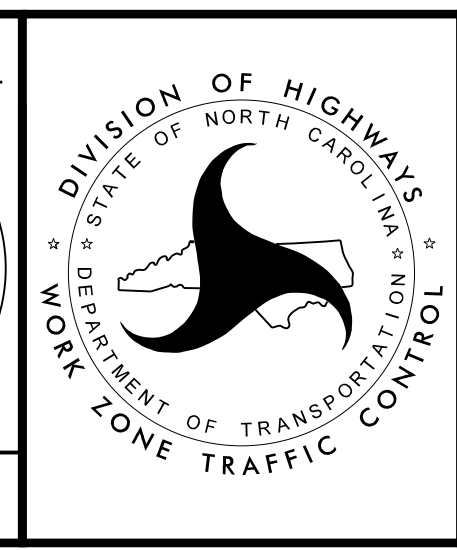
SYMBOL	DESCRIPTION
<u>PAINT (4")</u>	
P8	2 FT.-6 FT. / SP WHITE MINI-SKIP
PA	WHITE EDGELINE
PB	YELLOW EDGELINE
PD	3 FT.-9 FT. / SP WHITE MINI-SKIP
PI	DOUBLE YELLOW CENTERLINE
<u>PAINT (8")</u>	
P17	3 FT.-3 FT. / SP WHITE MINI-SKIP
PN	WHITE GORELINE
PO	WHITE DIAGONAL
PP	YELLOW DIAGONAL
<u>PAINT (24")</u>	
P2	WHITE STOP BAR
<u>SYMBOLS (PAINT)</u>	
QA	LEFT TURN ARROW
QB	RIGHT TURN ARROW
<u>TEMPORARY RAISED MARKERS</u>	
MH	YELLOW & YELLOW

APPROVED: *Michael T. Rzepka*

DATE: 9/19/2022

SEAL

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ROADWAY STANDARD DRAWINGS, LEGEND & TEMPORARY PAVEMENT MARKING SCHEDULE

MANAGEMENT STRATEGIES

THE FOLLOWING LISTED STRATEGIES DERIVE FROM DETAILED DESIGN LEVEL ASSESSMENTS OF THE WORK ZONE IMPACTS CONDUCTED DURING THE DEVELOPMENTAL STAGES OF THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

RECOMMENDED MANAGEMENT STRATEGIES RELATIVE TO THIS TMP ARE AS FOLLOWS:

THE PROJECT CONSISTS OF CONSTRUCTION OF -L- (SR 1625, ROGERS LAKE RD.) GRADE SEPARATION OVER US 29A (MAIN ST.) AND NCRR/NS RAILROAD. TRAFFIC WILL REMAIN IN TWO-LANE, TWO-WAY PATTERN ON REALIGNED (-Y2C-) AND EXISTING ROGERS LAKE RD. DURING BRIDGE AND -L- CONSTRUCTION.

OVERHEAD GIRDER INSTALLATION REQUIRING CLOSURE OF US 29A (MAIN ST.) AND S. RIDGE AVE. WILL UTILIZE OFFSITE DETOURS FOR TRAFFIC.

TIE-IN CONSTRUCTION OF -L- TO EXISTING ROGERS LAKE RD. WILL BE PERFORMED USING FLAGGER OPERATIONS.

CONSTRUCTION OF REMAINING -Y- LINES BE PERFORMED USING FLAGGER OPERATIONS.

ACCESS FOR LOCAL TRAFFIC, INCLUDING DRIVEWAYS, MUST BE PROVIDED AT ALL TIMES WITHIN THE PROJECT LIMITS.

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 UNDESIRE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
S. MAIN ST. (-EY6-)	MONDAY THRU FRIDAY, 9:00 AM TO 4:00 PM
ANY ROAD	WHEN SCHOOL IS IN SESSION, 6:00 AM TO 9:00 AM 2:00 PM TO 4:00 PM

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

ROAD NAME	HOLIDAY
ANY ROAD	<ol style="list-style-type: none"> 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 AM DECEMBER 31st TO 4:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 4:00 PM THE FOLLOWING TUESDAY. FOR EASTER, BETWEEN THE HOURS OF 6:00 AM THURSDAY AND 4:00 PM MONDAY. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 4:00 PM TUESDAY. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 4:00 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 4:00 PM THE TUESDAY AFTER INDEPENDENCE DAY. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY AND 4:00 PM TUESDAY. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 AM TUESDAY TO 4:00 PM MONDAY. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 4:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

9. FOR THE JIGGY WITH THE PIGGY FESTIVAL, BETWEEN THE HOURS OF 6:00 AM THE FRIDAY OF THE DAY OF THE JIGGY WITH THE PIGGY FESTIVAL AND 6:00 AM THE SUNDAY AFTER THE END OF THE JIGGY WITH THE PIGGY FESTIVAL.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
S. MAIN ST. S. RIDGE AVE.	SUNDAY THRU SATURDAY, 5:00 AM TO 10:00 PM	7 HOURS, GRIDER INSTALLATION (WITH OFFSITE DETOUR)

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.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

I) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

J) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON ALL ROADS.

PAVEMENT EDGE DROP OFF REQUIREMENTS

K) 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.

L) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 200' IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

N) 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.

O) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

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

PROJ. REFERENCE NO.	SHEET NO.
Y-4810K	TMP-2

P) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

Q) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

R) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 100' IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

S) 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.

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

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
EXISTING ROGERS LAKE RD.		
-L-	PAINT	NONE
-Y2C-		

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 LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS 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) 100' AND 100' RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

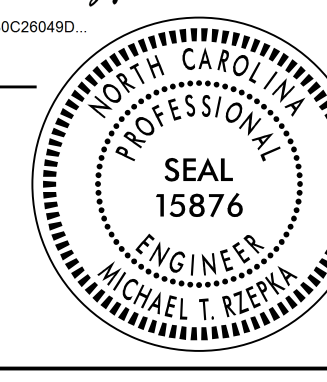
BB) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

LOCAL NOTE


1) DO NOT CLOSE MEADOW AVENUE ACCESS FROM ROGERS LAKE ROAD UNTIL OVERNIGHT CLOSURES OF S. RIDGE AVENUE ARE COMPLETED.

APPROVED: 
DATE: 9/26/2022

SEAL

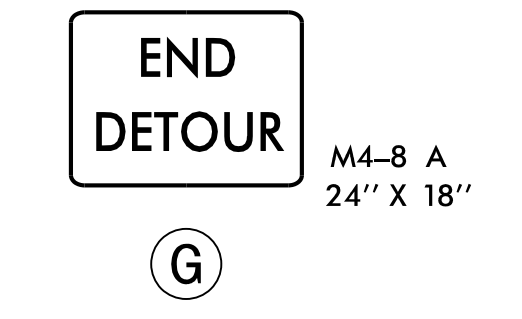
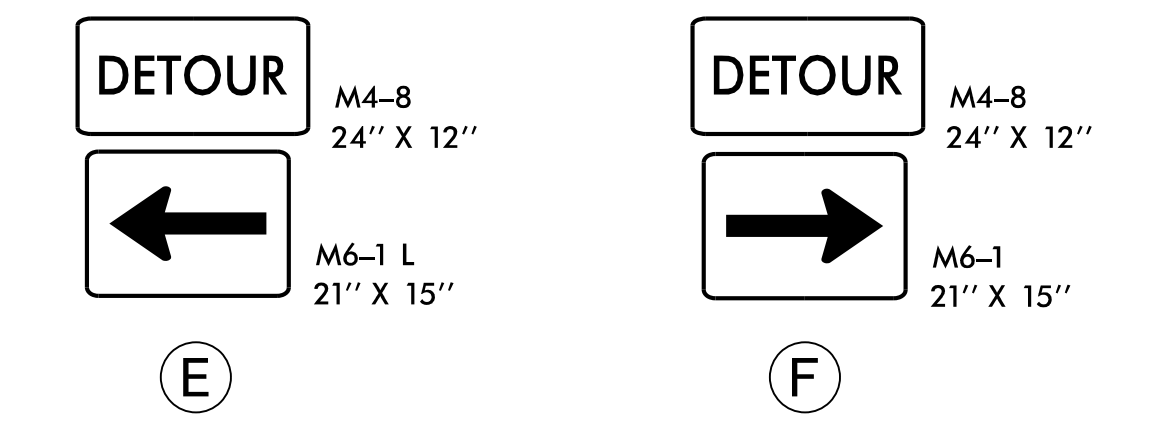
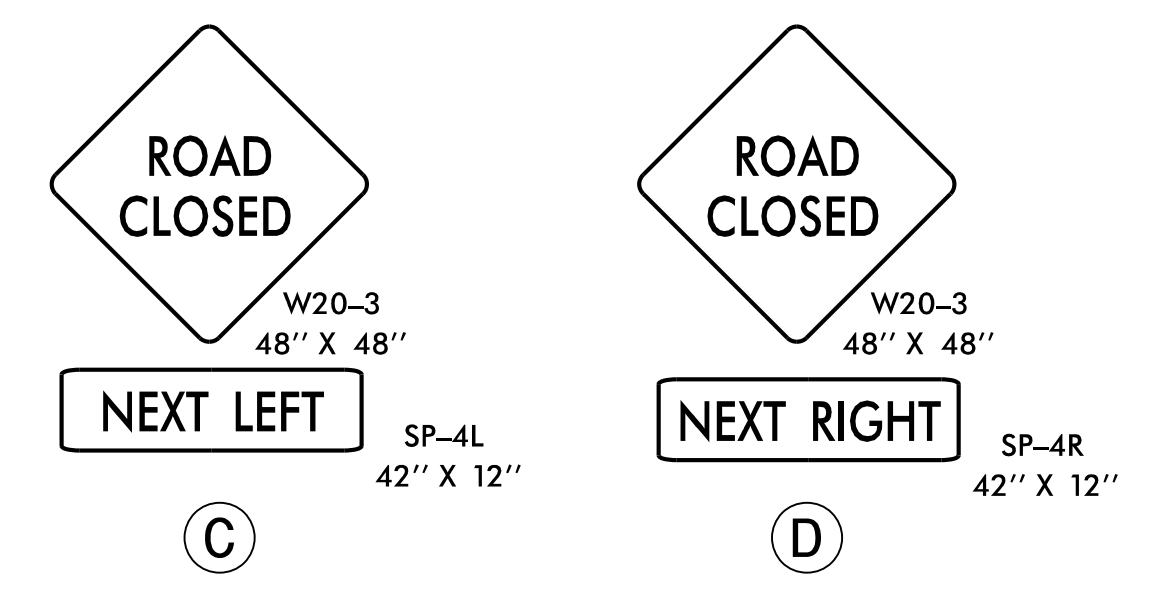
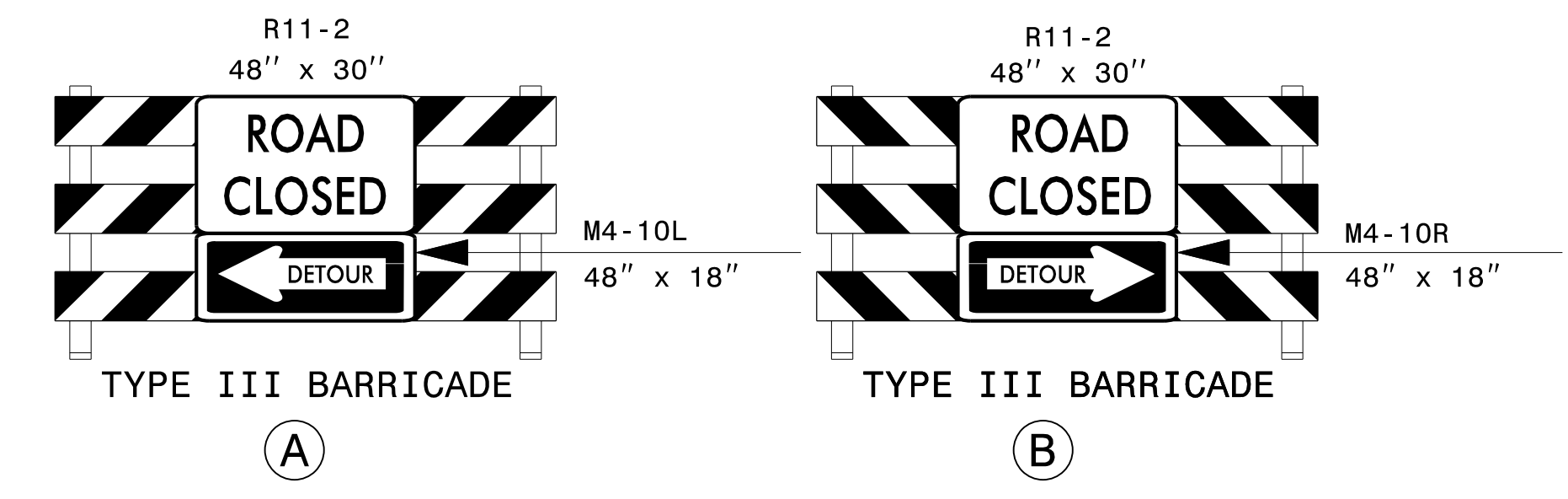
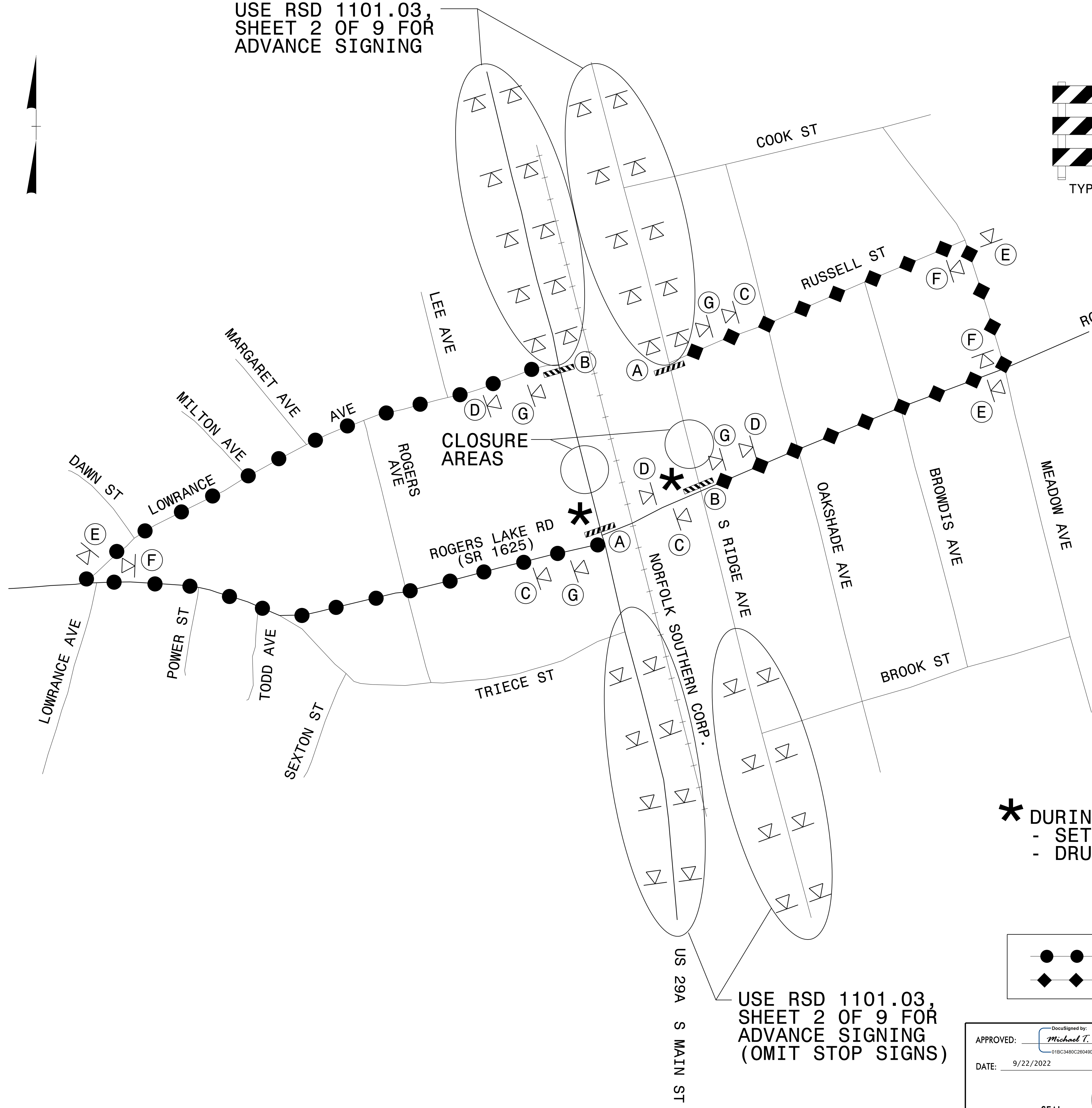


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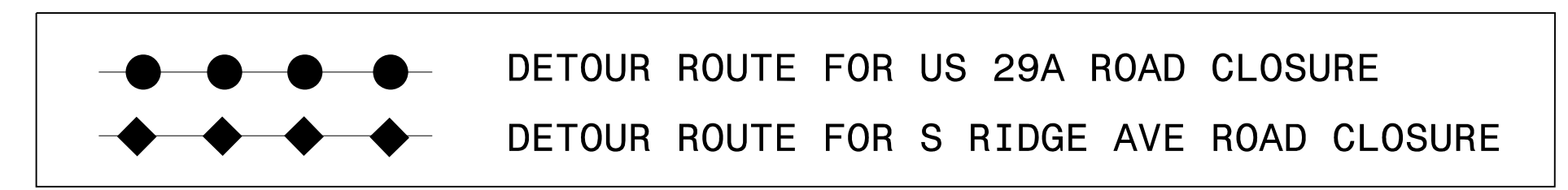


TRANSPORTATION OPERATIONS PLAN

USE RSD 1101.03,
SHEET 2 OF 9 FOR
ADVANCE SIGNING



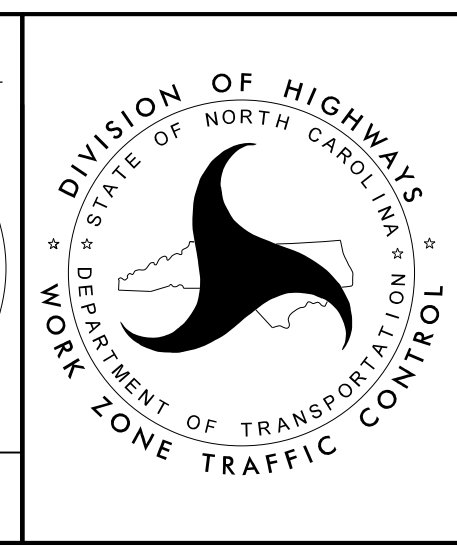
*** DURING CLOSURE:**
- SET SIGNALS TO FLASHING MODE
- DRUM-OFF LEFT-TURN LANE



USE RSD 1101.03,
SHEET 2 OF 9 FOR
ADVANCE SIGNING
(OMIT STOP SIGNS)

9/22/2022
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APPROVED: *Michael T. Rzepka*
DATE: 9/22/2022
SEAL



DETAIL FOR
US 29A (S. MAIN ST.)
AND
S. RIDGE AVE.
OVERNIGHT
ROAD CLOSURES

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PHASING

NOTES: - 'RSD' REFERS TO NCDOT ROADWAY STANDARD DRAWINGS
 - ALL ASPHALT WORK IS UP TO, BUT NOT INCLUDING, THE FINAL LAYER OF SURFACE COURSE IN PHASE 1 THROUGH PHASE 2.
 - MAINTAIN DRIVEWAY ACCESSES DURING ALL PHASES OF CONSTRUCTION,

PRIOR TO WORK BEGINNING IN PHASE 1, STEP 1, INSTALL ADVANCED WORK ZONE WARNING SIGNS ON ROGERS LAKE ROAD, MAIN ST. (US 29A) AND AFFECTED -Y- LINES ACCORDING TO RSD 1101.01, SHEET 3 OF 3.

PHASE 1

STEP 1

USING RSD 1101.02 (SHEETS 1 & 2 OF 14), INSTALL WATER-FILLED BARRIER ALONG US 29A (MAIN ST.) AND S. RIDGE AVENUE. AWAY FROM TRAFFIC AND BEHIND BARRIER, BEGIN CONSTRUCTION OF PROPOSED STRUCTURE ON -L-. USE OVERNIGHT ROAD CLOSURES OF MAIN ST. AND S. RIDGE AVE. WITH OFFSITE DETOURS WHEN HANGING GIRDERS OR PERFORMING OVERHEAD TASKS REQUIRING ROAD CLOSURES (SEE SHEETS TMP-2B AND 5).

PERMANENTLY CLOSE EXISTING ROGERS AVE. (-Y5A) AT -L- (SEE SHEET TMP-5)

PERMANENTLY CLOSE OAKSHADE AVE. (-Y9A-), BROWDIS AVE. (-Y10A-) AND MEADOW AVE. (-Y11A-) AT -L- AND CONSTRUCT CUL-DE-SACS (SEE SHEET TMP-6 AND LOCAL NOTE 1).

USING RSD 1101.02 (SHEETS 1 OF 14), INSTALL WATER-FILLED BARRIER ALONG EXISTING ROGERS LAKE ROAD. AWAY FROM TRAFFIC AND BEHIND BARRIER, BEGIN CONSTRUCTION OF THE FOLLOWING (SEE SHEETS TMP-4 THRU 6):

- L- STA 15+65± TO STA 40+00±, INCLUDING WALL
- Y2A- FROM -L- TO LOWRANCE AVE.
- Y2B- FROM -L- TO -Y2B- STA 12+00±

USING RSD 1101.02 (SHEET 1 OF 14), BEGIN CONSTRUCTION OF THE FOLLOWING (SEE SHEETS TMP-4 THRU 6):

- L- STA 10+00± TO STA 14+22±, WEDGE EXISTING ROGERS LAKE RD. AND WIDENING
- L- STA 14+22± TO STA 15+65±, WEDGE EXISTING ROGERS LAKE RD. AND WIDEN LEFT
- L- STA 44+65± TO STA 48+50±, WEDGE EXISTING ROGERS LAKE RD. AND WIDENING
- Y1A-, WIDENING WITH TIE TO -L-
- Y1B-, WIDENING WITH TIE TO -L-
- Y2A-, WIDENING WITH TIE TO EXISTING LOWRANCE AVE.
- Y5A- (MAINTAIN ACCESS TO LOWRANCE AVE.)

USING RSD 1101.02 (SHEET 1 OF 14) AS NECESSARY, CONSTRUCT THE FOLLOWING (SEE SHEET TMP-6):

- Y2C- STA 14+00± TO STA 16+30±, WEDGING AND WIDENING EXIST. ROGERS LAKE RD.
- Y2C- STA 16+30± TO -L-

STEP 2

USING RSD 1101.02 (SHEET 1 OF 14), PLACE TEMPORARY MARKINGS AND MARKERS AND SHIFT ROGERS LAKE TRAFFIC TO -Y2C-. RESET WFB ALONG TEMPORARY TRAFFIC PATTERN ON -Y2C- (SEE SHEET TMP-7).

AWAY FROM TRAFFIC, CONSTRUCT PROPOSED -L- FROM STA 40+00± TO STA 44+65±(INCLUDING REMAINING WALL SEGMENT).

COMPLETE CONSTRUCTION AT BEGUN IN PHASE 1, STEP 1:

- L- STA 15+65± TO STA 40+00±, INCLUDING WALL
- Y2A- FROM -L- TO LOWRANCE AVE.
- L- STA 10+00± TO STA 14+22±, WEDGE EXISTING ROGERS LAKE RD. AND WIDENING
- L- STA 14+22± TO STA 15+65±, WEDGE EXISTING ROGERS LAKE RD. AND WIDEN LEFT
- L- STA 44+65± TO STA 48+50±, WEDGE EXISTING ROGERS LAKE RD. AND WIDENING
- Y1A-, WIDENING WITH TIE TO -L-
- Y1B-, WIDENING WITH TIE TO -L-
- Y2A-, WIDENING WITH TIE TO EXISTING LOWRANCE AVE.
- Y5A-

PHASE 2

STEP 1

USING RSD 1101.02 (SHEET 1 OF 14) AND IN A CONTINUOUS MANNER, COMPLETE THE FOLLOWING (SEE SHEETS TMP-8 THRU 10):

- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L- ALIGNMENT AND SHIFT TRAFFIC TO FINAL PATTERN ON -L-.
- REMOVE WFB, PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AND SHIFT -Y2C- TRAFFIC TO FINAL PATTERN.
- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AND OPEN -Y2A- AND CLOSE EXISTING LOWRANCE AVE. AT MARGARET AVE.
- CLOSE EXISTING ROGERS LAKE RD. ON -Y4- AT PROPOSED CUL-DE-SAC AND AT -Y2B- STA 14+00± (MAINTAIN LOCAL ACCESS)
- CLOSE EXISTING ROGERS AVE. AT -Y2B- STA 14+50± (MAINTAIN LOCAL ACCESS)
- CLOSE EXISTING ROGERS LAKE RD. AT RAILROAD CROSSING

STEP 2

USING RSD 1101.02 (SHEET 1 OF 14), CONSTRUCT THE FOLLOWING (SEE SHEETS TMP-8 & 9):

- REMAINDER OF -L- STA 14+22± TO STA 15+65± (RIGHT)
- -Y1A- CUL-DE-SAC AT MARGARITE AVE. (INCL. PAVEMENT REMOVAL ON EXISTING LOWRANCE AVE.
- -Y3- INCLUDING PAVEMENT REMOVAL
- -Y4- INCLUDING CUL-DE-SAC AND PAVEMENT REMOVAL
- -Y5B-
- CURB AND GUTTER AND PAVEMENT REMOVAL AT RAILROAD CROSSING

AWAY FROM TRAFFIC, CONSTRUCT -Y2B- STA 12+00± TO STA 14+00± AND -Y5B- STA 10+75± TO STA 14+75± (MAINTAIN LOCAL ACCESS). WHEN COMPLETE, REOPEN ROGERS AVE. (-Y5B-) AND -Y2B- BETWEEN MAIN ST. AND ROGERS AVE.

USING RSD 1101.02 (SHEET 1 OF 14), REMOVE EXISTING SIGNAL SYSTEMS ON EXISTING ROGERS LAKE RD. AT MAIN ST. AND S. RIDGE AVE. INTERSECTIONS. ADJUST/PLACE PAVEMENT MARKINGS AND SIGNING (SEE SIGNING PLANS AND FINAL PAVEMENT MARKING PLANS).

COMPLETE CONSTRUCTION OF -Y2B- BEGUN IN PHASE 1.

PHASE 3

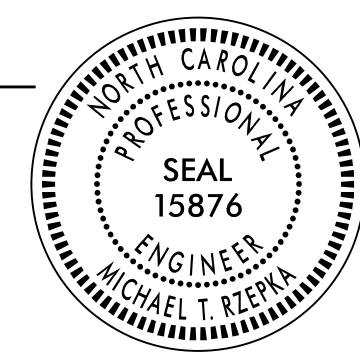
USING RSD 1101.02 (SHEET 1 OF 14), PLACE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS AND MARKERS (SEE FINAL PAVEMENT MARKING PLANS). REMOVE REMAINING TRAFFIC CONTROL DEVICES AND OPEN ALL ROADS TO FINAL PATTERNS.

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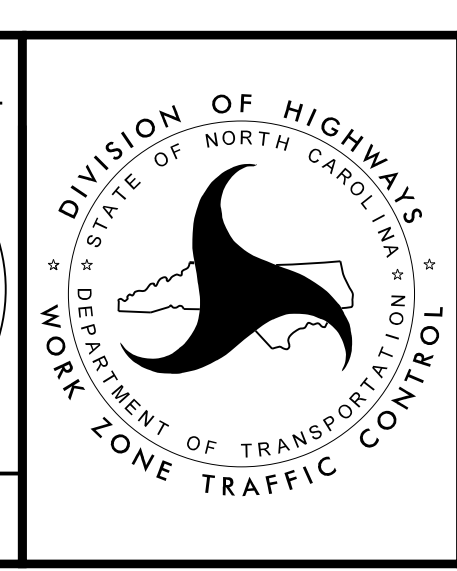
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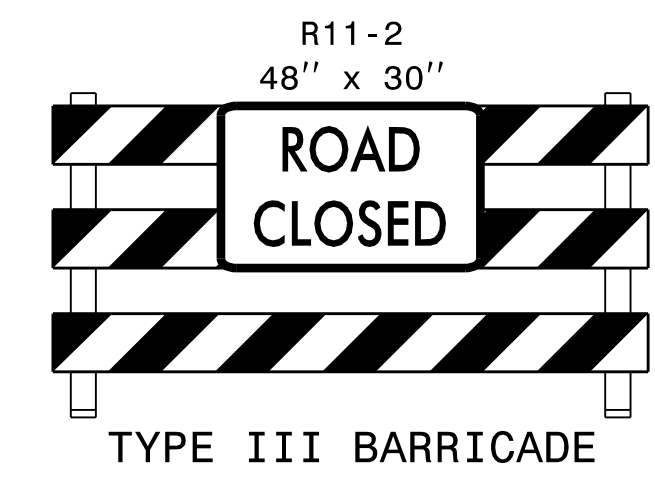
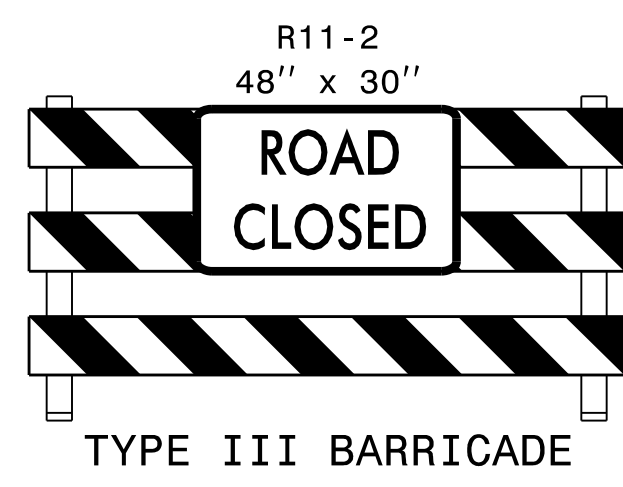
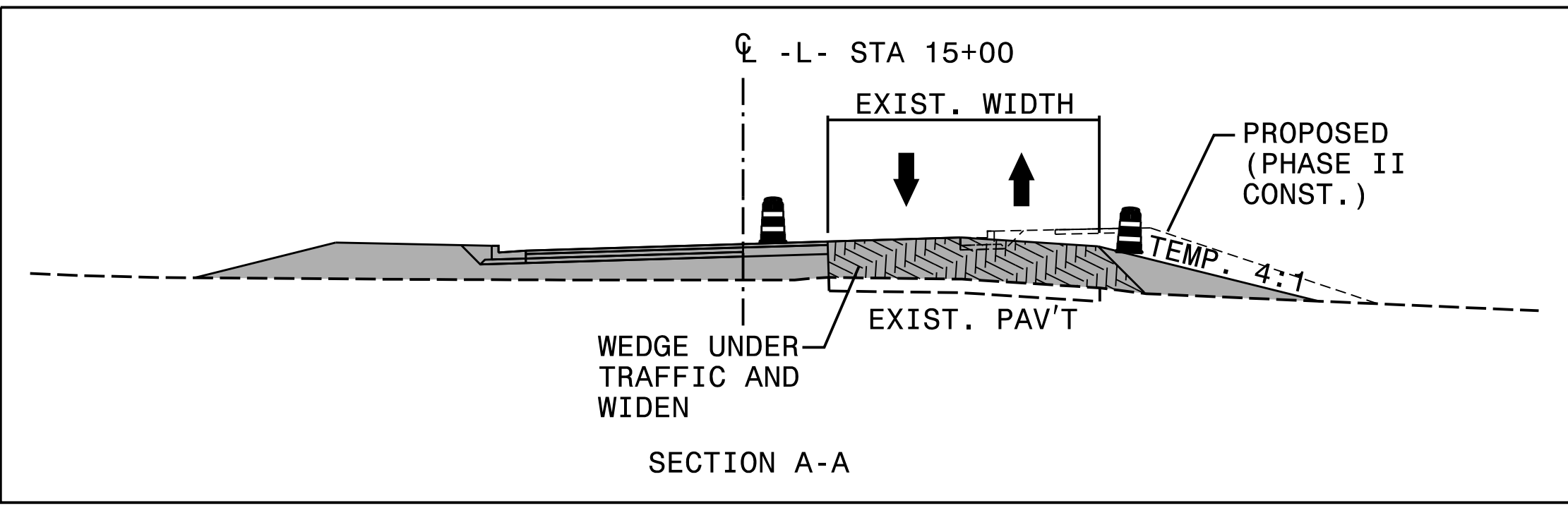
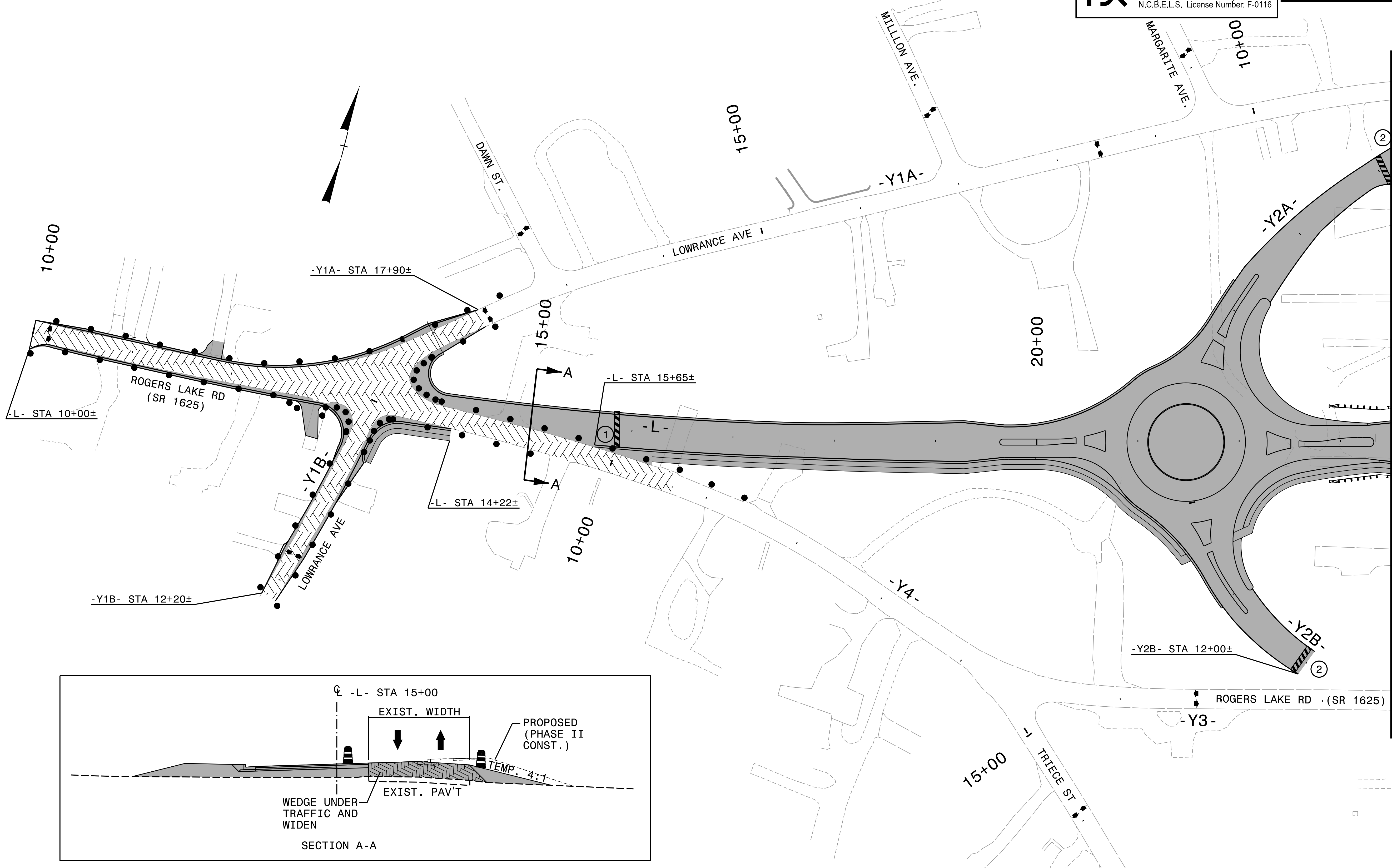
SEAL



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PHASING

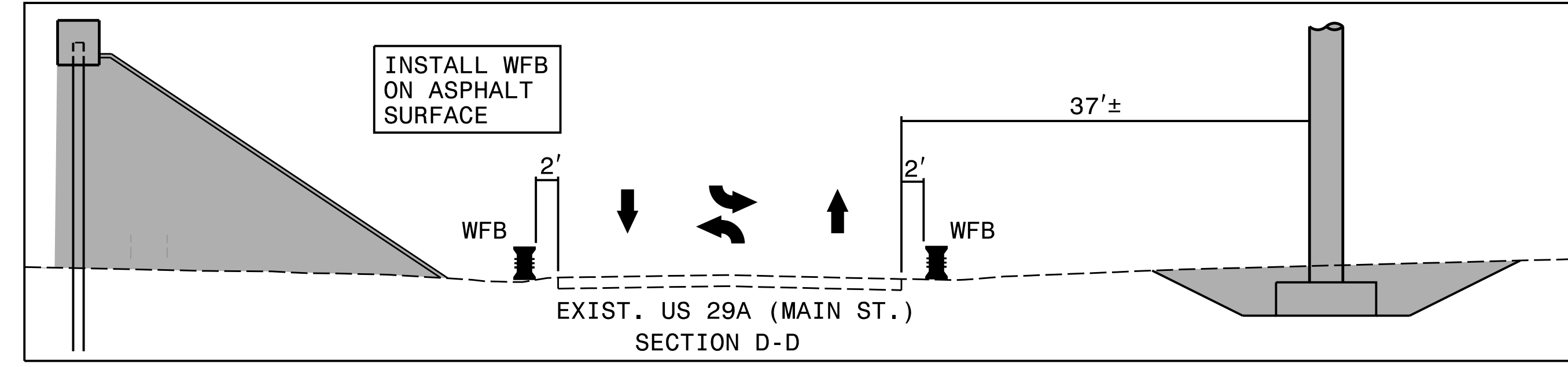
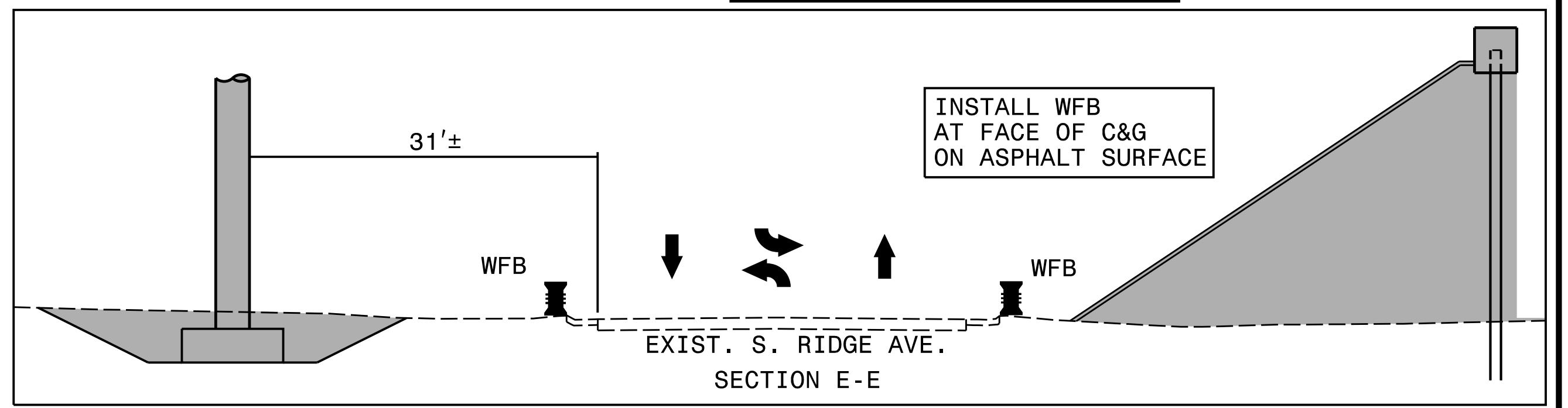
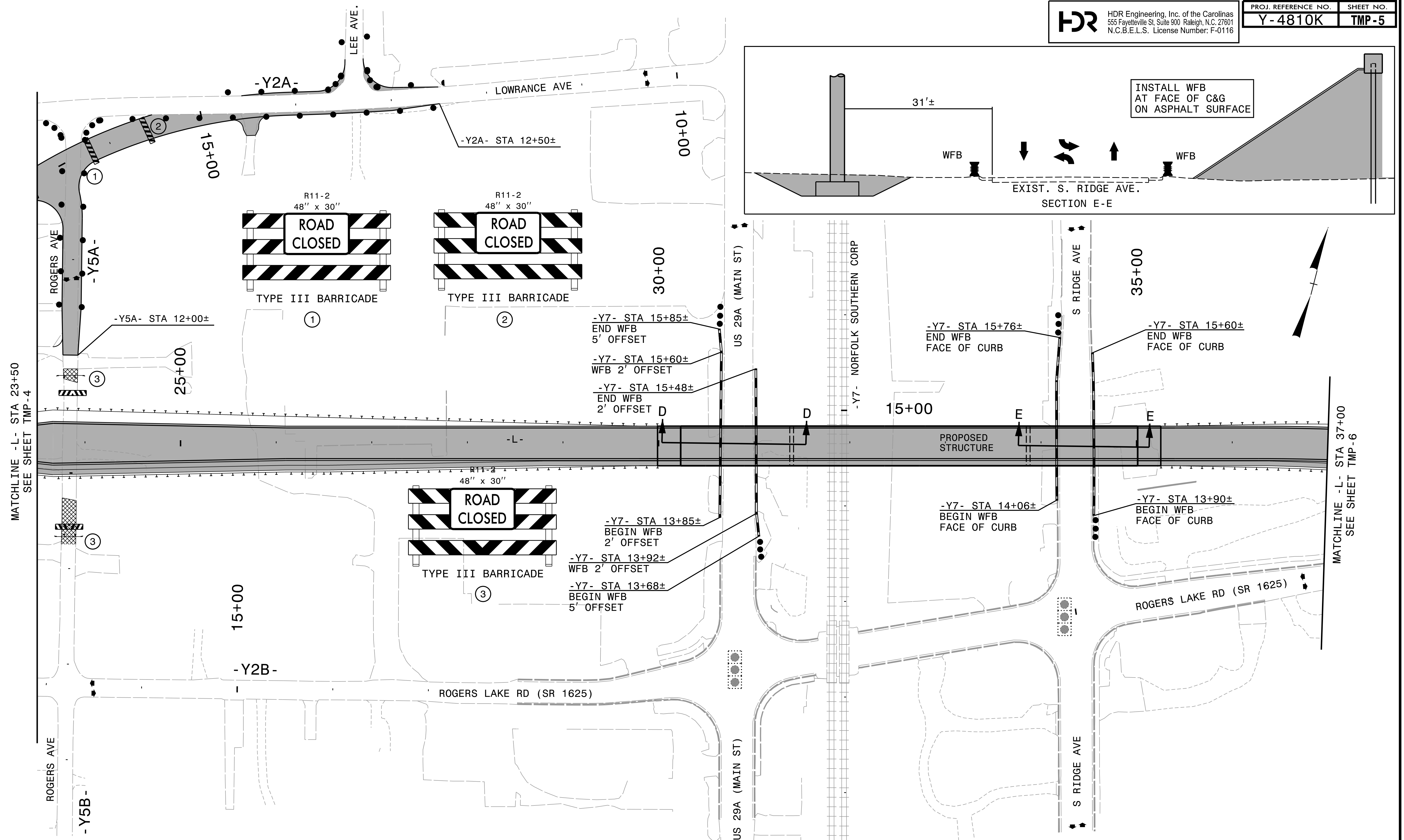


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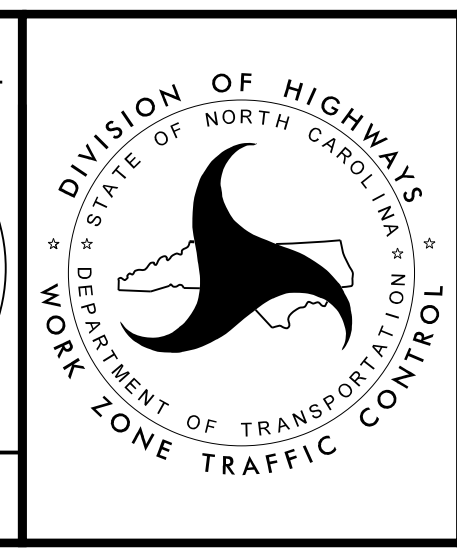
**PHASE 1, STEP 1
DETAIL**

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MATCHLINE -L- STA 23+50
SEE SHEET TMP-5

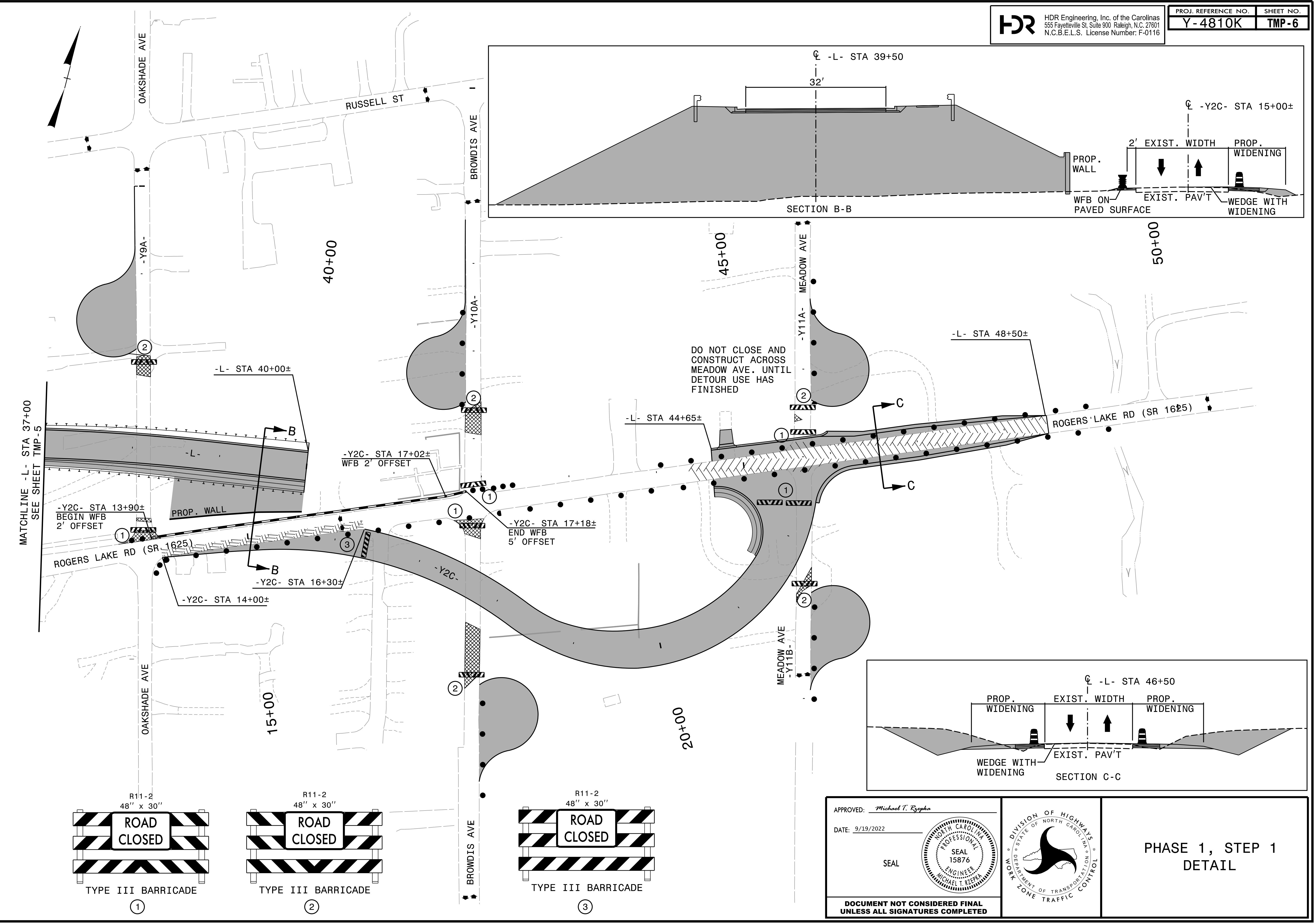


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DATE: 9/19/2022
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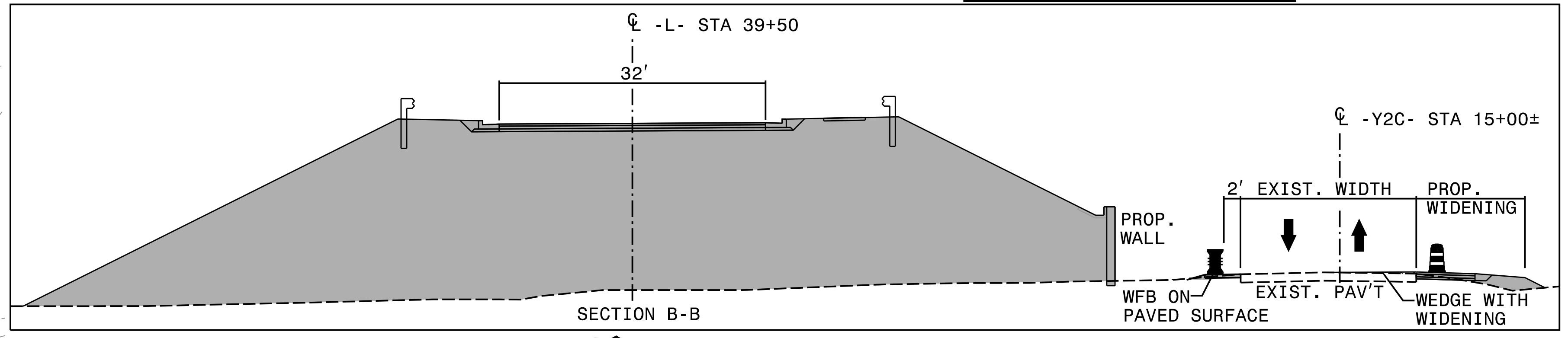
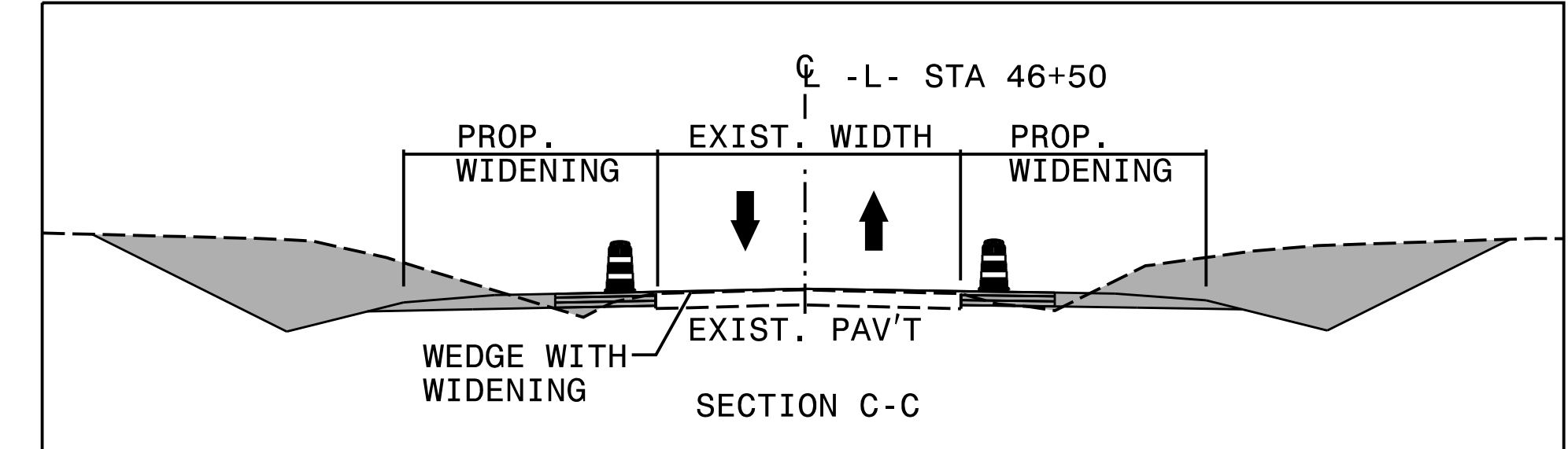
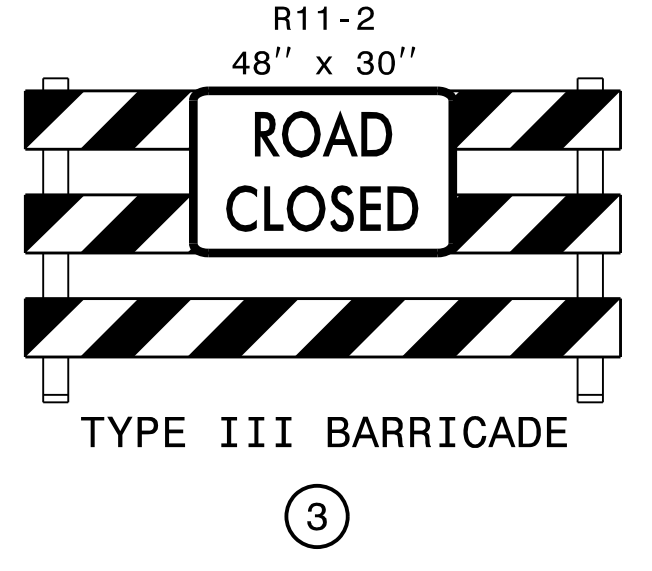
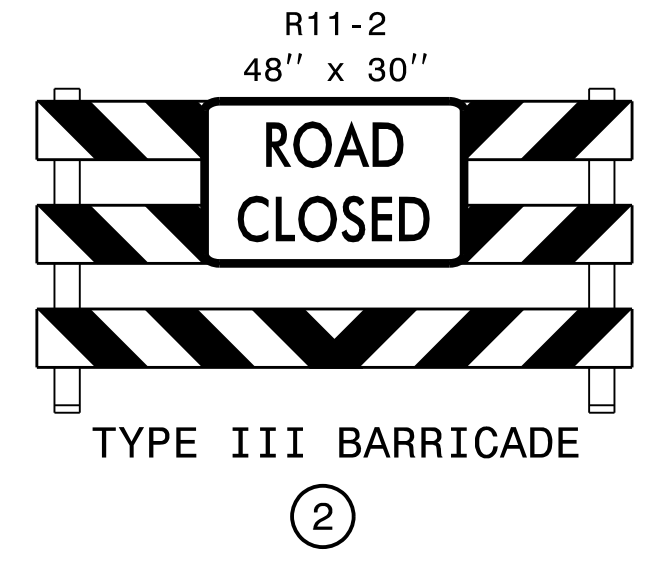
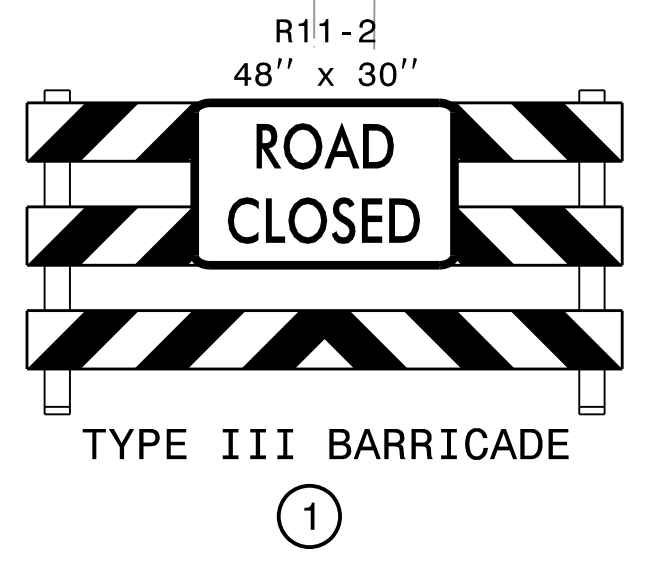
**PHASE 1, STEP 1
DETAIL**

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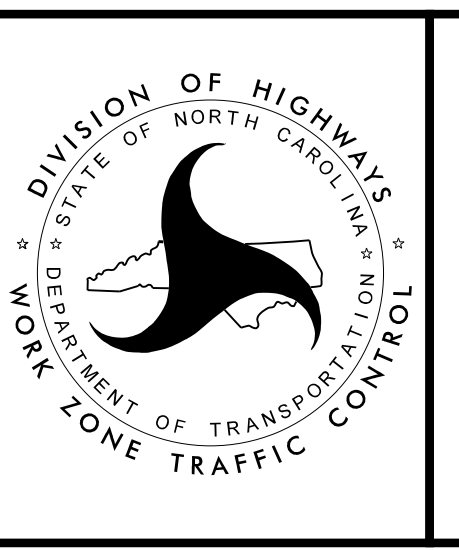


MATCHLINE -L- STA 37+00
SEE SHEET TMP-5

DO NOT CLOSE AND
CONSTRUCT ACROSS
MEADOW AVE. UNTIL
DETOUR USE HAS
FINISHED



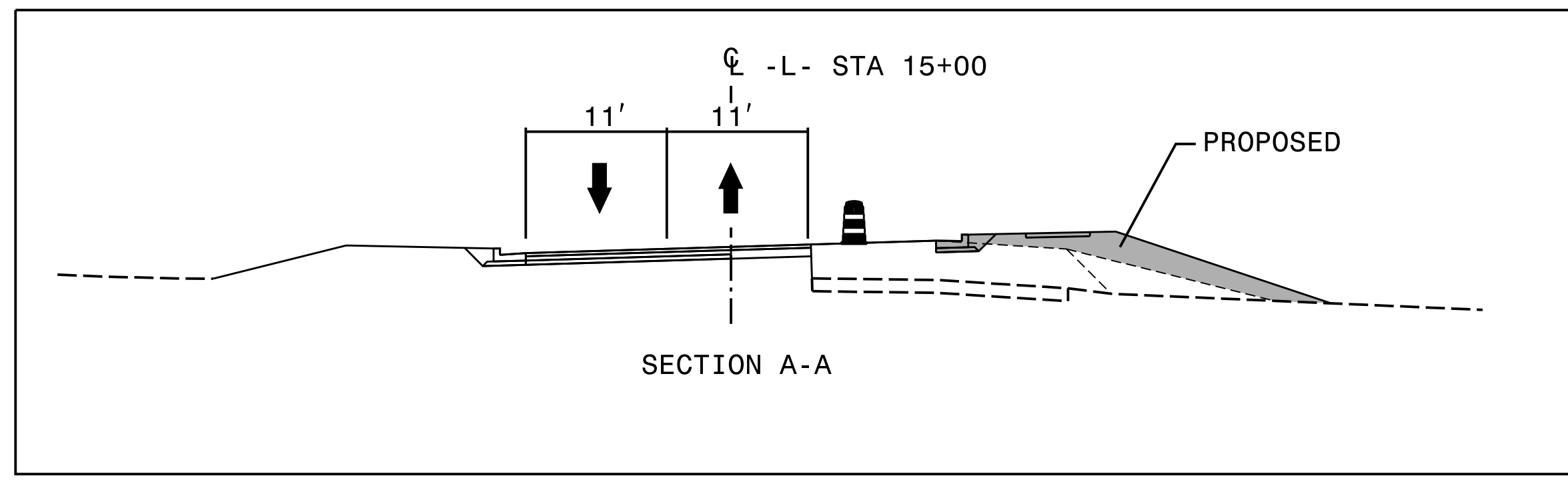
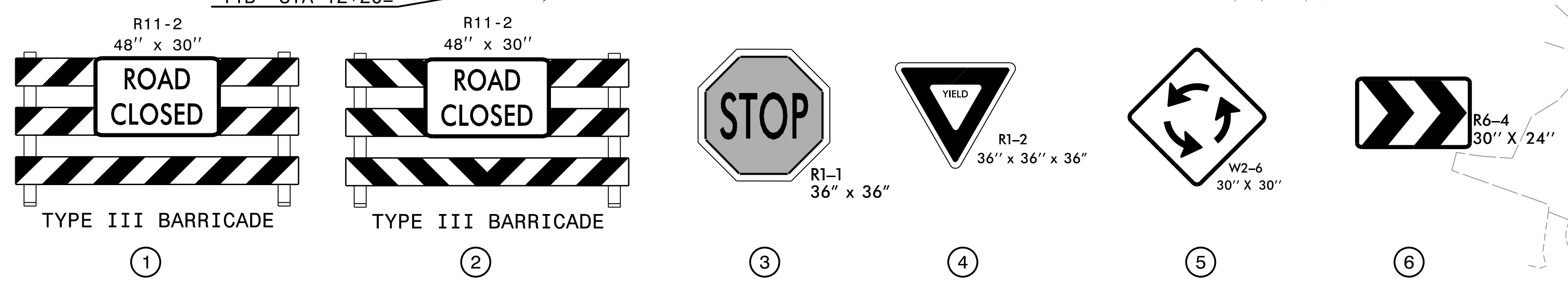
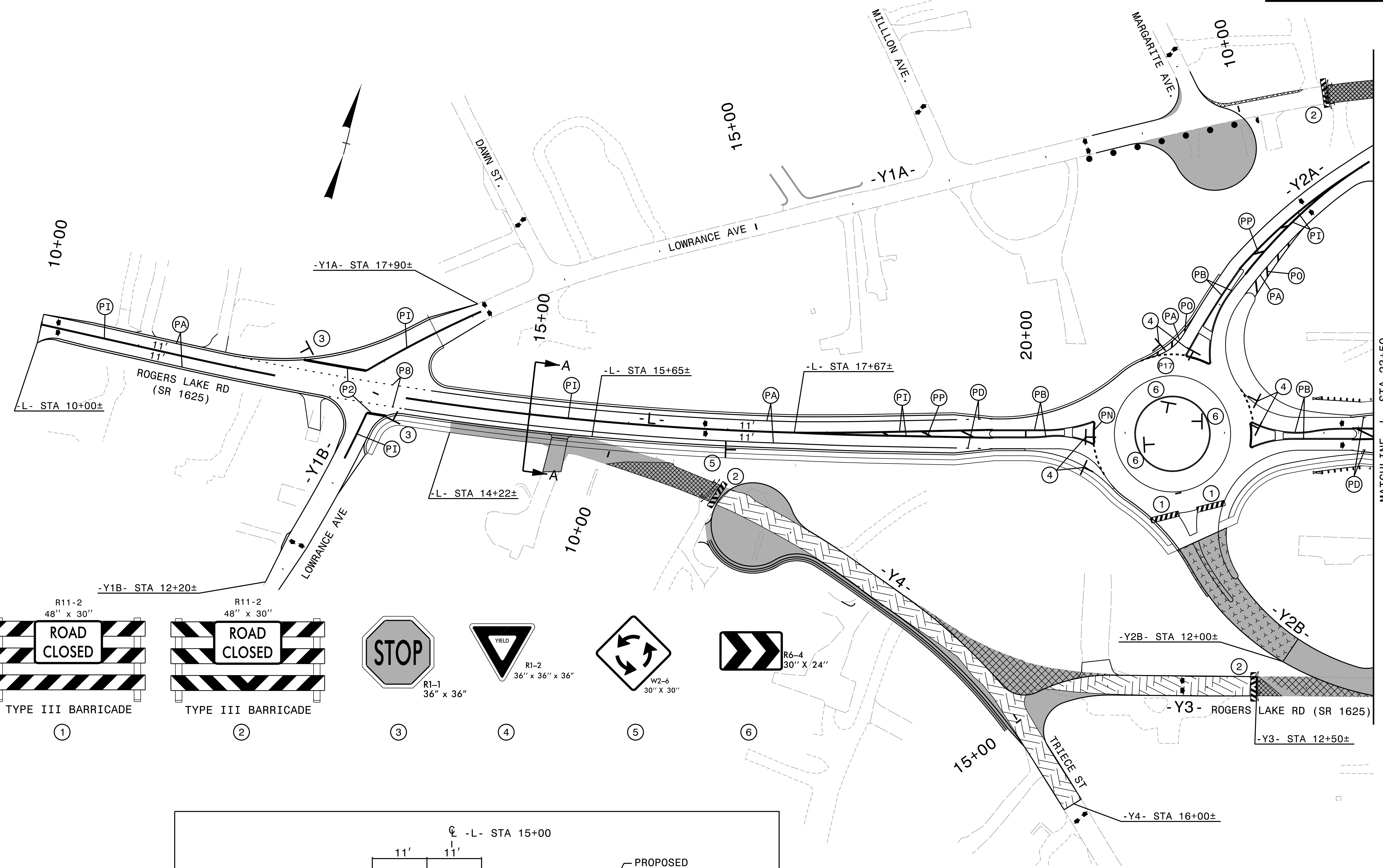
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PHASE 1, STEP 1
DETAIL

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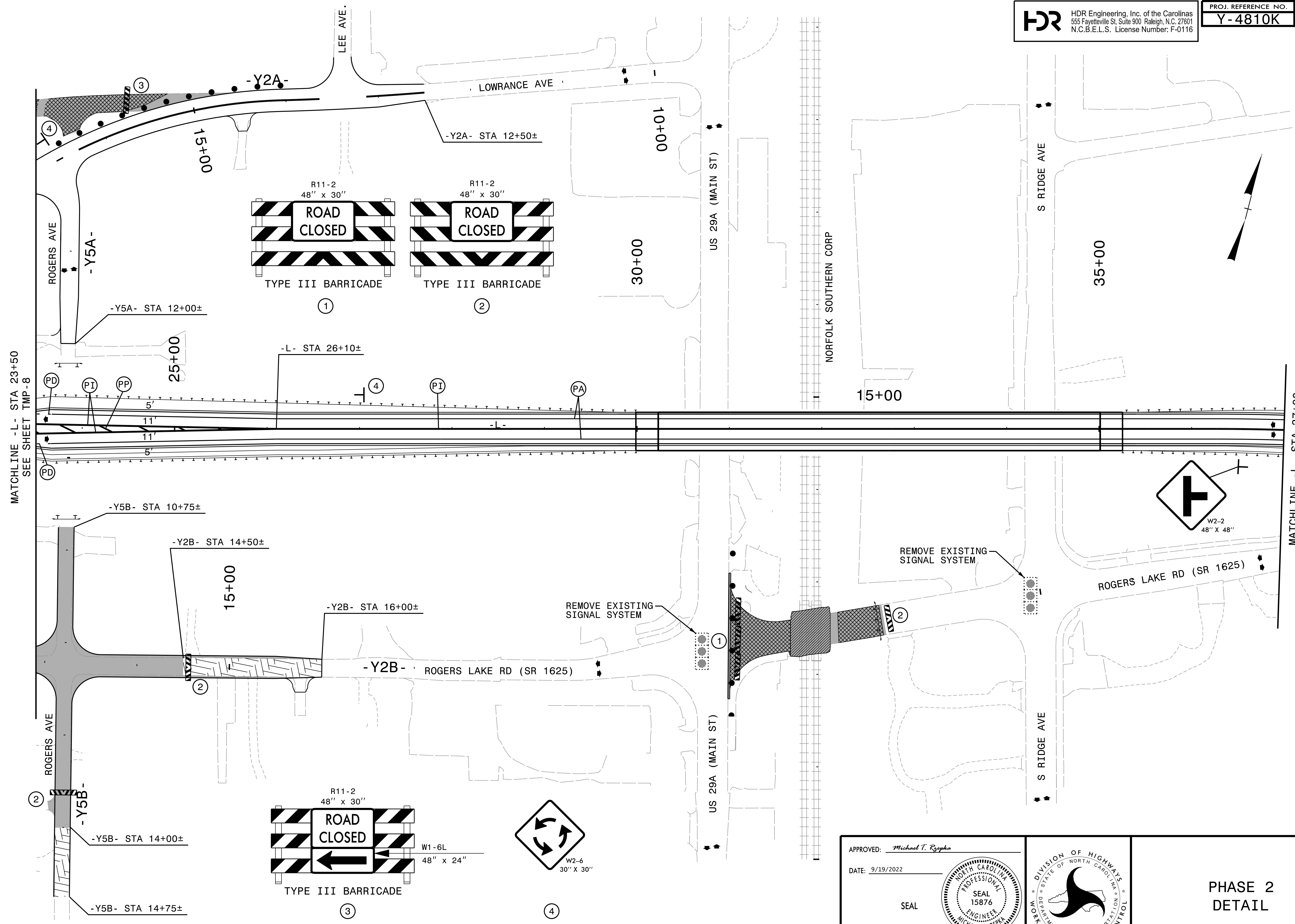
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MATCHLINE -L- STA 23+50
SEE SHEET TMP-9

9/19/2022
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APPROVED: <i>Michael T. Roepke</i> DATE: 9/19/2022 SEAL 		<p style="text-align: center;">PHASE 2 DETAIL</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		



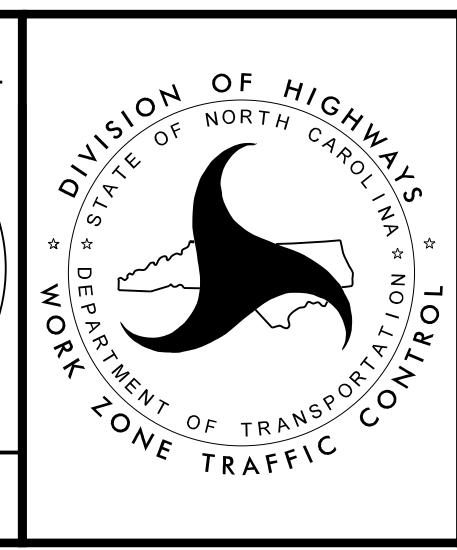
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APPROVED: *Michael T. Rzepka*

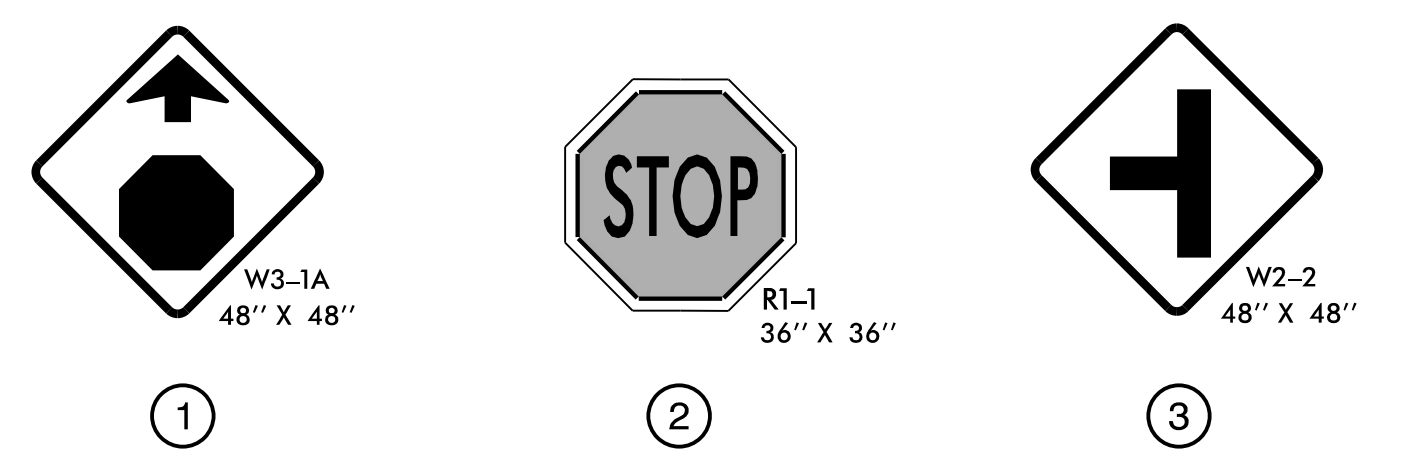
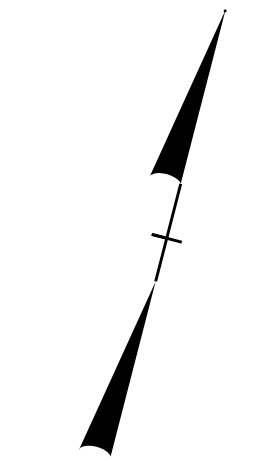
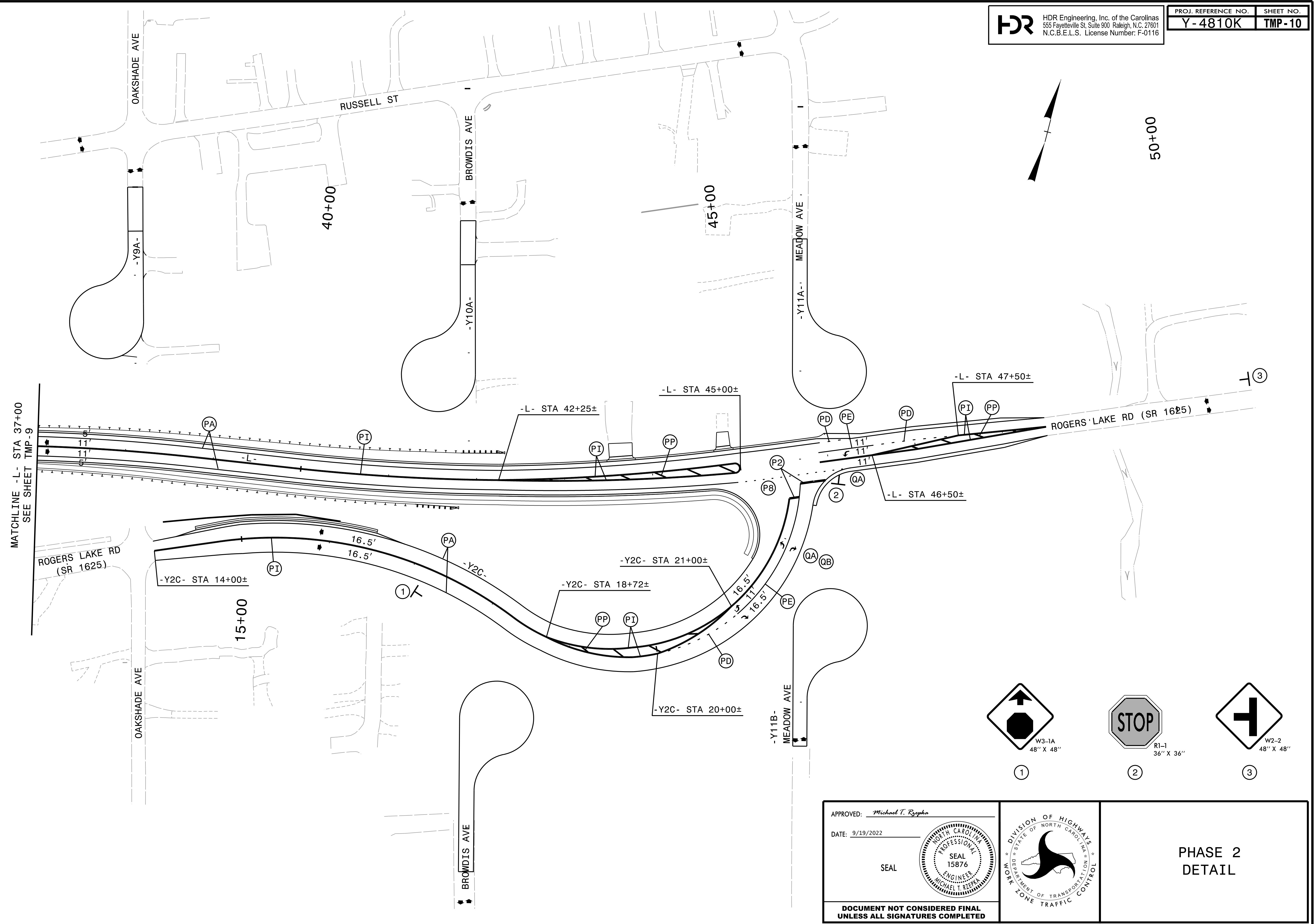
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**PHASE 2
DETAIL**



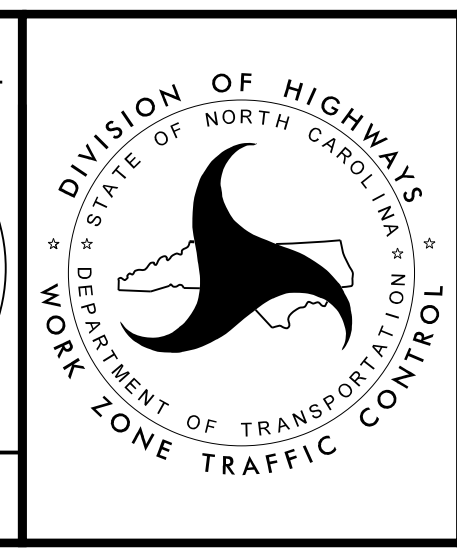
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DATE: 9/19/2022

SEAL

PROFESSIONAL ENGINEER
SEAL 15876
MICHAEL T. ROEPKE

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**PHASE 2
DETAIL**

9/19/2022
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