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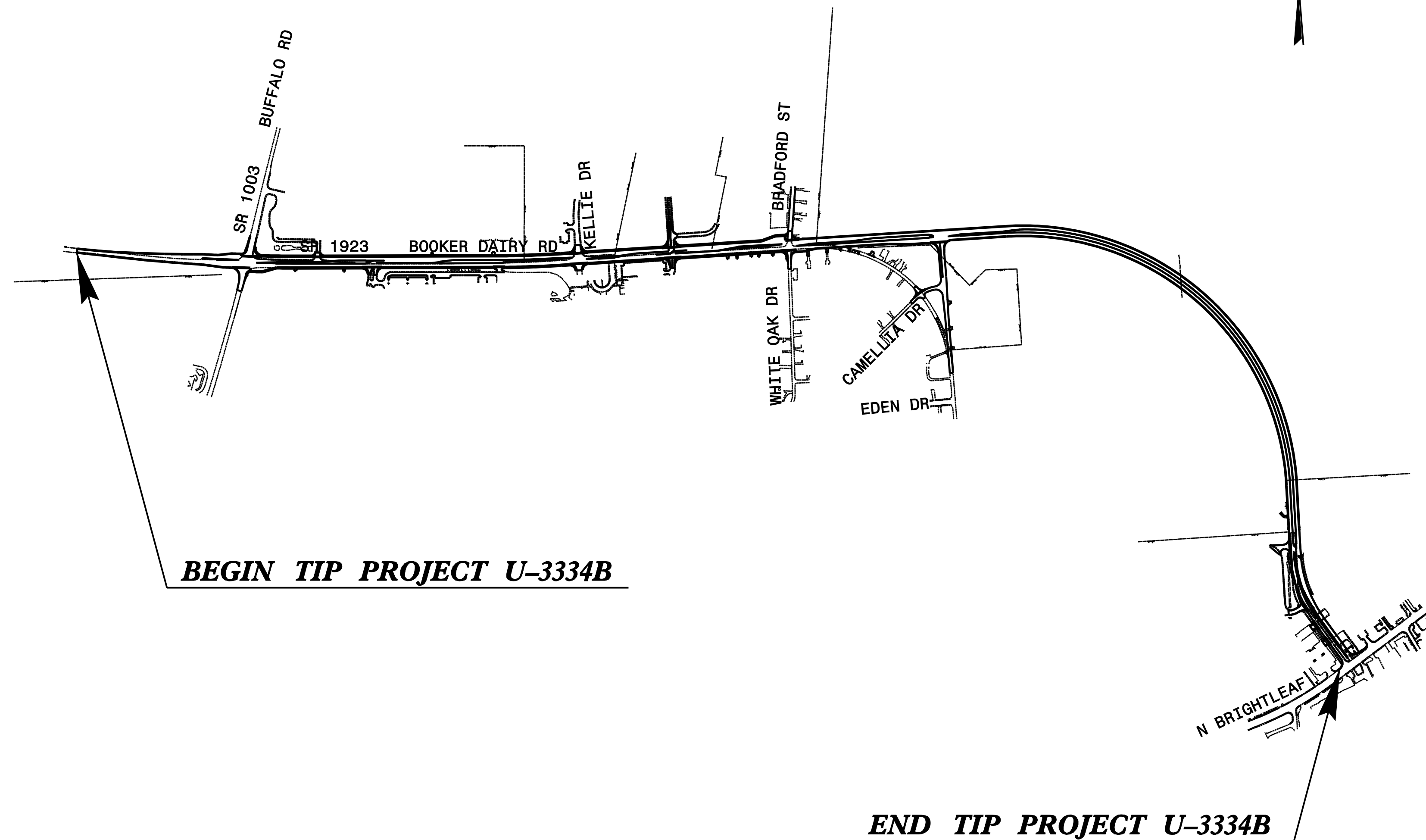
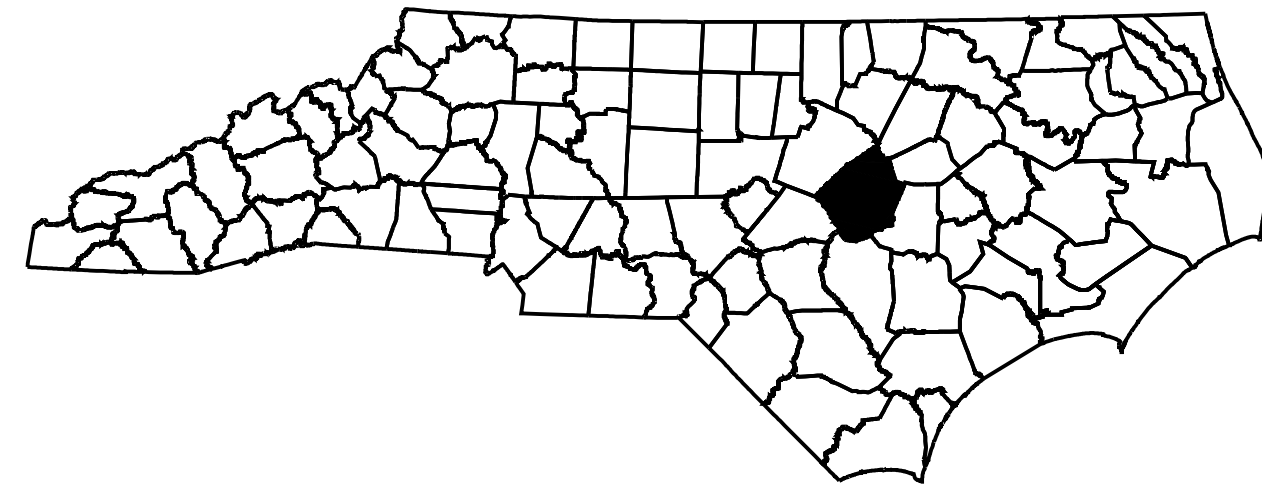
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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**JOHNSTON COUNTY**



**INDEX OF SHEETS**

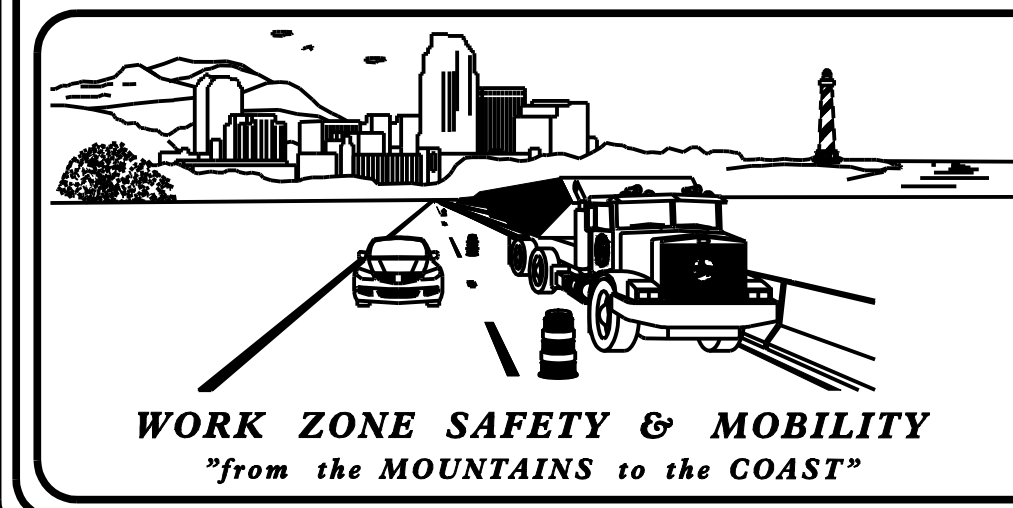
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
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SHEET NO.  
TMP-1

**U-3334B**

**TIP PROJECT:**

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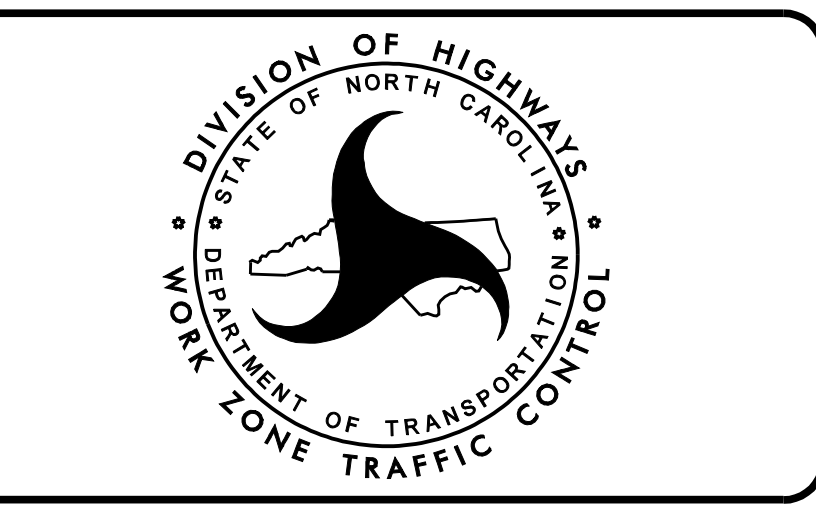
**N.C.D.O.T. WORK ZONE TRAFFIC CONTROL**  
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561  
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)  
PHONE: (919) 773-2800 FAX: (919) 771-2745

\_\_\_\_\_  
STATE TRAFFIC MANAGEMENT ENGINEER

J. S. KITE, P.E. \_\_\_\_\_ TRAFFIC CONTROL PROJECT ENGINEER

M. V. SPRINGER, P.E. \_\_\_\_\_ TRAFFIC CONTROL PROJECT DESIGN ENGINEER

\_\_\_\_\_  
TRAFFIC CONTROL DESIGN ENGINEER



Prepared in the Office of:  
**PROGRESSIVE DESIGN GROUP, INC.**

ENGINEERS • CONSULTANTS

APPROVED: \_\_\_\_\_  
DATE: 10/20/2017

SEAL

# ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN 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 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	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

# LEGEND

## GENERAL

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

- WORK AREA
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- WEDGING

## PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

## TRAFFIC CONTROL DEVICES

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

## TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

## PAVEMENT MARKERS

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

## PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

## TEMPORARY PAVEMENT MARKING

### PAVEMENT MARKINGS PAINT(4")

- P8 2 FT. - 6 FT./SP WHITE MINISKIP
- PA WHITE EDGELINE
- PB YELLOW EDGELINE
- PC 10 FT. WHITE SKIP
- PD 3 FT. - 9 FT./SP WHITE MINISKIP
- PE WHITE SOLID LANE LINE
- PI YELLOW DOUBLE CENTER

### PAINT(8")

- PO WHITE DIAGONAL
- PP YELLOW DIAGONAL

### PAINT(24")

- P2 WHITE STOPBAR

### MARKING SYMBOLS

- QA LEFT TURN ARROW
- QB RIGHT TURN ARROW
- QC STRAIGHT ARROW
- QE COMBO.STRAIGHT/RIGHT
- QI ALPHANUMERIC CHAR.

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APPROVED: DATE: 9/27/2017  
SEAL

ROADWAY STANDARD  
DRAWINGS & LEGEND

# MANAGEMENT STRATEGIES

PROJ. REFERENCE NO.	SHEET NO.
U-3334B	TMP-2

TRANSPORTATION MANAGEMENT STRATEGIES FOR THIS PROJECT INCLUDE CONSTRUCTING ONLY THE PROPOSED LEFT SIDE OF -L- INITIALLY UP TO THE NEW LOCATION SECTION OF -L-. THIS WILL ALLOW -L- TRAFFIC TO BE SHIFTED ONTO THE NEW LEFT SIDE WHILE THE RIGHT SIDE IS BEING CONSTRUCTED. ACCESS TO WALMART FROM THE -L- ALIGNMENT WILL BE MAINTAINED BY UTILIZING A DRIVEWAY CONNECTOR FROM -L- IN COORDINATION WITH PROPOSED -L- AND -DRW1- CULVERT CONSTRUCTION.

## 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
"ALL"	JUNE 15-AUGUST 14 MON-FRI 6:30AM-8:30AM, 4:00PM-6:00PM
"ALL"	AUGUST 15-JUNE 14 MON-FRI 6:30AM-8:30AM, 2:00PM-6:00PM

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

ROAD NAME  
"ALL"

#### HOLIDAY

1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:30 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.
3. FOR EASTER, BETWEEN THE HOURS OF 6:30 A.M. THURSDAY AND 6:00 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:30 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:30 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 6:30 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:30 A.M. FRIDAY AND 6:00 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:30 A.M. TUESDAY TO 6:00 P.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:30 A.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 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

D) 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.

E) 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.

F) 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.

G) 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 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.

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

### PAVEMENT EDGE DROP OFF REQUIREMENTS

I) 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.

J) 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) 300 ft IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

### TRAFFIC PATTERN ALTERATIONS

K) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

### SIGNING

L) 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.

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

N) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 300 ft IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

### TRAFFIC CONTROL DEVICES

O) 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.

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

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

### PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING PAINT	MARKER
"ALL"	"ALL"	TEMPORARY RAISED

S) 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.

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

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

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

### MISCELLANEOUS

W) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER. THE DEPARTMENT WILL PROVIDE POLICE CONTROL AT INTERSECTIONS WHEN REQUIRED.

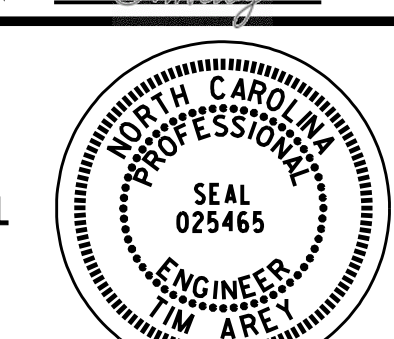
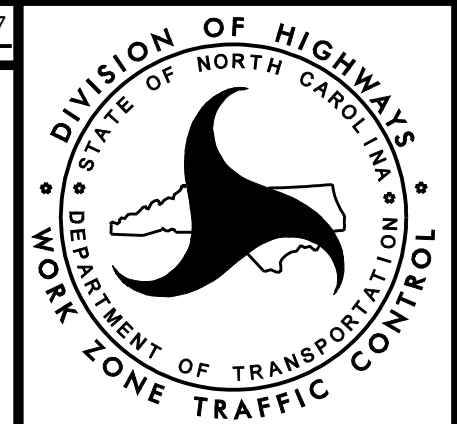
X) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

Y) 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.).

## LOCAL NOTES

1) NOTIFY THE ENGINEER TWENTY-ONE (21) CALENDAR DAYS PRIOR TO THE CLOSURE OF AVA GARDNER AVE AS DESCRIBED IN THE INTERMEDIATE CONTRACT TIMES.

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# PHASING

## PHASE I

- STEP 1: INSTALL ADVANCE WORK ZONE WARNING SIGNS ON ALL ROADWAYS WITHIN THE PROJECT LIMITS ACCORDING TO ROADWAY STANDARD DRAWING NO. 1101.01.
- STEP 2: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 15, BEGIN CONSTRUCTION ON THE FOLLOWING UP THRU ONE LAYER OF SURFACE COURSE:
- -L-: IN THE LOCATIONS SHOWN ON SHEETS TMP-4 THRU TMP-8 AND TMP-10 INCLUDING THE PROPOSED CULVERT AT STA. 120+00+/- -L- AS SHOWN ON SHEET TMP-10. (INSTALL THE PROPOSED CROSS PIPES AT STA. 33+50+/- -L- AND STA. 67+75+/- -L- BY BORING UNDER EXISTING -L- AND OPEN CUTTING THE REMAINING AREAS THAT ARE AWAY FROM EXISTING -L-)(SEE PHASE I, STEP 3 FOR THE INSTALLATION PROCEDURE OF THE PROPOSED CROSS PIPE AT STA. 123+50+/- -L-)
  - -Y-: IN THE LOCATIONS SHOWN ON SHEET TMP-5.
  - -Y1-: IN THE LOCATIONS SHOWN ON SHEET TMP-6.
  - -Y2-: IN THE LOCATIONS SHOWN ON SHEET TMP-7.
  - -Y3-: IN THE LOCATIONS SHOWN ON SHEET TMP-7.
  - -Y5-: IN THE LOCATIONS SHOWN ON SHEETS TMP-8 AND TMP-9.
  - -Y6-: IN THE LOCATIONS SHOWN ON SHEET TMP-9.
  - -Y8-: IN THE LOCATIONS SHOWN ON SHEET TMP-10.
  - TEMPORARY PAVEMENT: IN THE LOCATIONS SHOWN ON SHEETS TMP-6, TMP-8 AND TMP-10.
- BEGIN INSTALLATION OF PROPOSED TRAFFIC SIGNALS AT THE -L-/-Y- INTERSECTION, THE -L-/-Y1- INTERSECTION, THE -L-/-Y3- INTERSECTION, THE -L-/-Y5- INTERSECTION AND THE -L-/-Y8- INTERSECTION.

INTERMEDIATE CONTRACT TIME: THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE I, STEPS 3 AND 4 IN 36 CONSECUTIVE HOURS. (SEE SPECIAL PROVISIONS)

- STEP 3: CLOSE THE FOLLOWING USING DRUMS AND TYPE III BARRICADES: (SEE LOCAL NOTE 1, SHEET TMP-2)
- EXISTING AVA GARDNER AVENUE AT THE US 301 INTERSECTION.
  - EXISTING -DRW1- ACCESS TO AVA GARDNER AVENUE.
  - EXISTING DRIVEWAY TIES TO RIGHT SIDE OF -L- AT STA. 124+00+/- AND STA. 125+50+/-.
- STEP 4: INSTALL THE PROPOSED 30" CROSS PIPE UNDER EXISTING AVA GARNER AVENUE AT STA. 123+50+/- AS SHOWN ON SHEET TMP-10 AND REOPEN ALL ROADWAYS CLOSED IN PHASE I STEP 3.

## PHASE IA

- STEP 1: COMPLETE INSTALLATION OF THE PROPOSED BOX CULVERT AT STA. 120+00+/- -L-. REMOVE THE ORIGINAL CULVERT AT STA. 119+00+/- -L- AND CONSTRUCT PROPOSED -L- AND -DRW2- UP THRU ONE LAYER OF SURFACE COURSE IN THE LOCATIONS SHOWN ON SHEET TMP-11.

## PHASE IB

- STEP 1: COMPLETE CONSTRUCTION ON THE LEFT SIDE OF -L- UP THRU ONE LAYER OF SURFACE COURSE FROM STA. 121+00+/- -L- TO THE -Y8- INTERSECTION. INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L- AND -DRW2- IN THE LOCATIONS SHOWN ON SHEET TMP-12 AND PLACE -L- TRAFFIC INTO THE PATTERN SHOWN ON SHEET TMP-12.
- STEP 2: CLOSE -DRW1- TO TRAFFIC, PLACE WATER FILLED BARRIER FOR THE CLOSURE OF -DRW1- IN THE LOCATION SHOWN ON SHEET TMP-12 AND CONSTRUCT THE PROPOSED BOX CULVERT AT STA. 11+50+/- -DRW1- AS SHOWN ON SHEET TMP-12.
- CONSTRUCT THE PROPOSED RIGHT SIDE OF -L- AND -DRW1- UP THRU ONE LAYER OF SURFACE COURSE IN THE LOCATIONS SHOWN ON SHEET TMP-12.
- COMPLETE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL AT THE -L-/-Y8- INTERSECTION.

## PHASE IC

- STEP 1: INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L-, -DRW1- AND -Y8- IN THE LOCATIONS SHOWN ON SHEET TMP-13. ACTIVATE THE PROPOSED TRAFFIC SIGNAL AT THE -L-/-Y8- INTERSECTION AND PLACE -L-, -DRW1- AND -Y8- TRAFFIC INTO THE PATTERN SHOWN ON SHEET TMP-13.

## PHASE II

- STEP 1: COMPLETE CONSTRUCTION ON -L-, -Y-, -Y1-, -Y2-, -Y3-, -Y5- AND -Y6- UP THRU ONE LAYER OF SURFACE COURSE IN THE LOCATIONS DESCRIBED IN PHASE I, STEP 2.
- STEP 2: WITHOUT INTERFERING WITH EXISTING TRAFFIC PATTERNS, INSTALL AS MANY OF THE TEMPORARY PAVEMENT MARKINGS AS POSSIBLE IN THE LOCATIONS SHOWN ON SHEETS TMP-14 THRU TMP-19.
- STEP 3: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 15, INSTALL THE REMAINING TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L-, -Y-, -Y1-, -Y1A-, -Y2-, -Y2A-, -Y3-, -Y4-, -Y5- AND -Y6- IN THE LOCATIONS SHOWN ON SHEETS TMP-14 THRU TMP-19 AND PLACE -L-, -Y-, -Y1-, -Y1A-, -Y2-, -Y2A-, -Y3-, -Y4-, -Y5- AND -Y6- TRAFFIC INTO THE PATTERN SHOWN ON SHEETS TMP-14 THRU TMP-19.
- STEP 4: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 15, BEGIN CONSTRUCTION ON THE REMAINING SECTIONS OF -L-, -Y-, -Y1A-, -Y2A-, -Y4- AND -Y7- UP THRU ONE LAYER OF SURFACE COURSE IN THE LOCATIONS SHOWN ON SHEETS TMP-14 THRU TMP-19.

## PHASE IIA

- STEP 1: COMPLETE CONSTRUCTION ON -L- UP THRU ONE LAYER OF SURFACE COURSE FROM THE -Y5- INTERSECTION TO THE -Y8- INTERSECTION.
- STEP 2: WITHOUT INTERFERING WITH EXISTING TRAFFIC PATTERNS, INSTALL AS MANY OF THE TEMPORARY PAVEMENT MARKINGS AS POSSIBLE ALONG -L- FROM STA. 78+85+/- -L- TO THE -Y8- INTERSECTION AND IN THE LOCATIONS SHOWN ON SHEETS TMP-20 THRU TMP-22.
- STEP 3: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 15, INSTALL THE REMAINING TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L- AND -Y5- IN THE LOCATIONS SHOWN ON SHEETS TMP-20 THRU TMP-22 AND PLACE -L- AND -Y5- TRAFFIC INTO THE PATTERN SHOWN ON SHEETS TMP-20 THRU TMP-22.
- STEP 4: COMPLETE CONSTRUCTION ON -L-, -Y-, -Y1A-, -Y2A-, -Y4- AND -Y7- UP THRU ONE LAYER OF SURFACE COURSE IN THE LOCATIONS DESCRIBED IN PHASE II, STEP 4.

COMPLETE INSTALLATION OF ANY REMAINING PROPOSED TRAFFIC SIGNAL EQUIPMENT AT LOCATIONS DESCRIBED IN PHASE I, STEP 2.



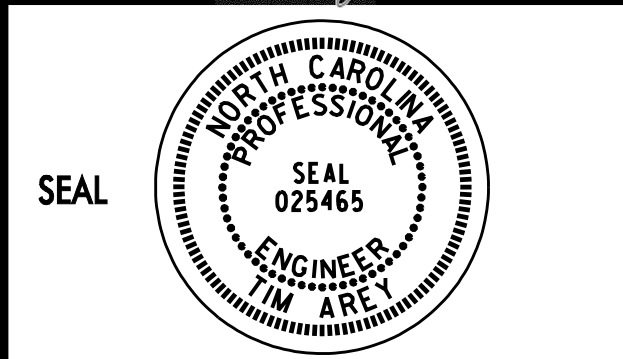
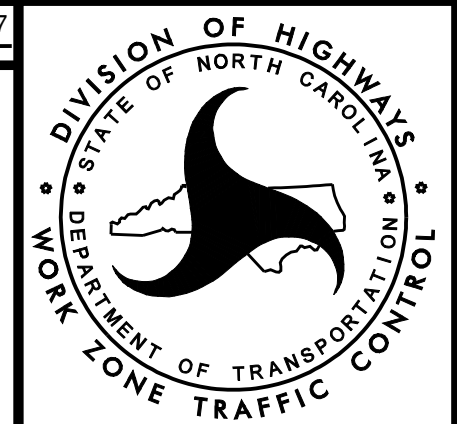
## PHASE III

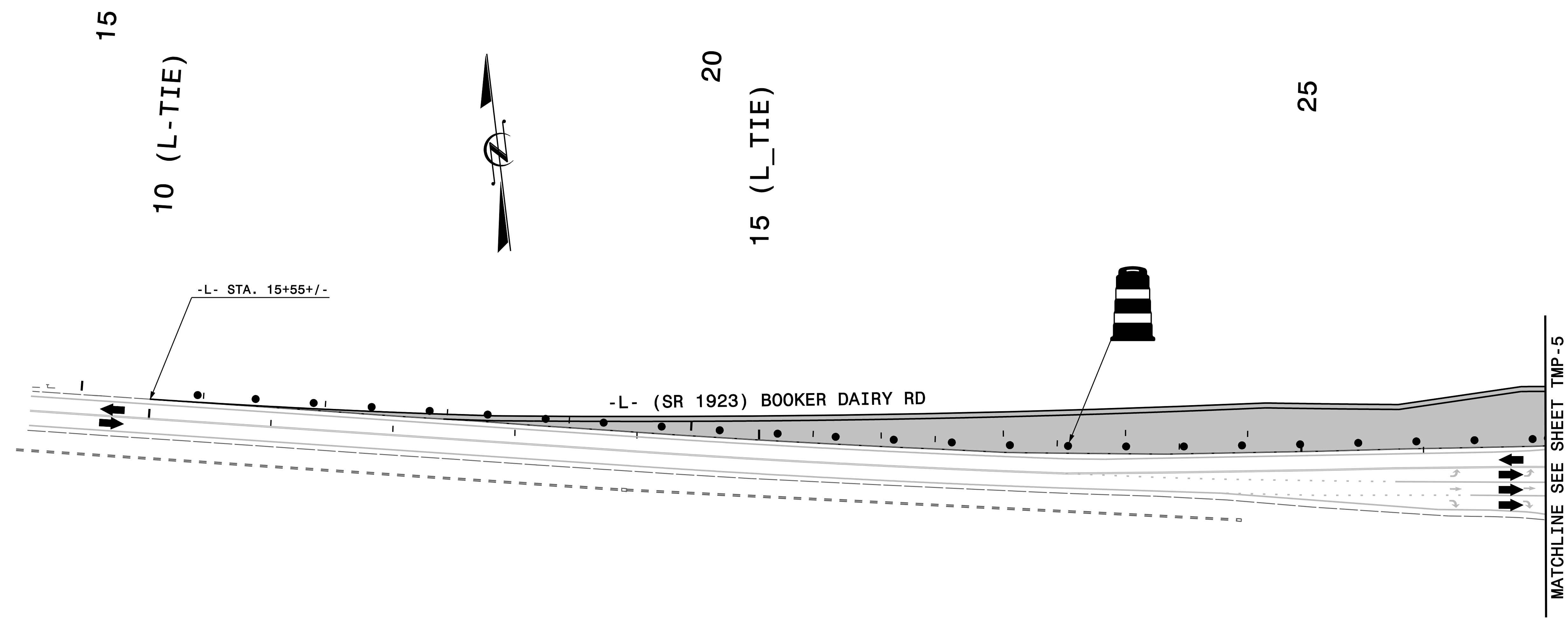
- STEP 1: WITHOUT INTERFERING WITH EXISTING TRAFFIC PATTERNS, INSTALL AS MANY OF THE TEMPORARY PAVEMENT MARKINGS AS POSSIBLE ALONG THE PROPOSED RIGHT SIDE OF -L- FROM STA. 18+55+/- -L- TO STA. 75+35+/- -L- AS SHOWN ON SHEETS TMP-23 THRU TMP-27.
- STEP 2: USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 15, INSTALL THE REMAINING TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L-, -Y1A-, -Y2A- AND -Y4- IN THE LOCATIONS SHOWN ON SHEETS TMP-23 THRU TMP-27 AND PLACE -L-, -Y1A-, -Y2A- AND -Y4- TRAFFIC INTO THE PATTERN SHOWN ON SHEETS TMP-23 THRU TMP-27.
- STEP 3: COMPLETE CONSTRUCTION ON THE MEDIAN COMPONENTS OF -L- IN THE LOCATIONS SHOWN ON SHEETS TMP-23 THRU TMP-27.
- STEP 4: COMPLETE CONSTRUCTION ON ALL OTHER ROADWAYS UP THRU ONE LAYER OF SURFACE COURSE.

## PHASE IV

- STEP 1: USING ROADWAY STANDARD DRAWING NO. 1101.02 SHEETS 1 AND 3 OF 15, PLACE THE FINAL LAYER OF SURFACE COURSE, FINAL PAVEMENT MARKINGS AND FINAL PAVEMENT MARKERS (REFER TO THE PAVEMENT MARKING PLANS) ON ALL ROADWAYS AND OPEN ALL ROADWAYS TO THE FINAL TRAFFIC PATTERN.
- STEP 2: REMOVE ALL TRAFFIC CONTROL DEVICES.

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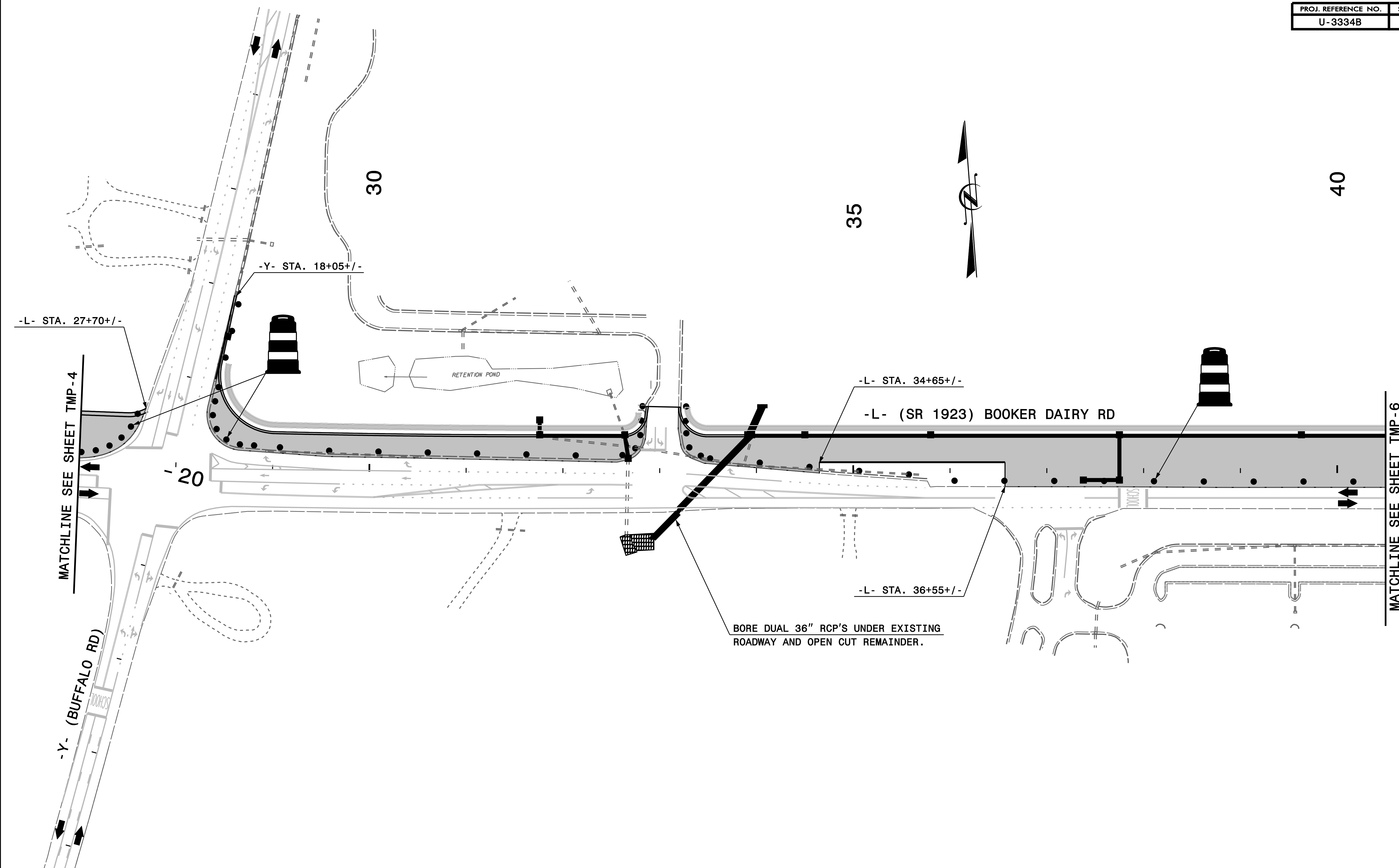
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-L- STA. 27+70+/-

MATCHLINE SEE SHEET TMP-4

-Y- (BUFFALO RD)

-Y- STA. 18+05+/-

RETENTION POND

-L- STA. 34+65+/-

-L- (SR 1923) BOOKER DAIRY RD

MATCHLINE SEE SHEET TMP-6

-L- STA. 36+55+/-

BORE DUAL 36" RCP'S UNDER EXISTING ROADWAY AND OPEN CUT REMAINDER.

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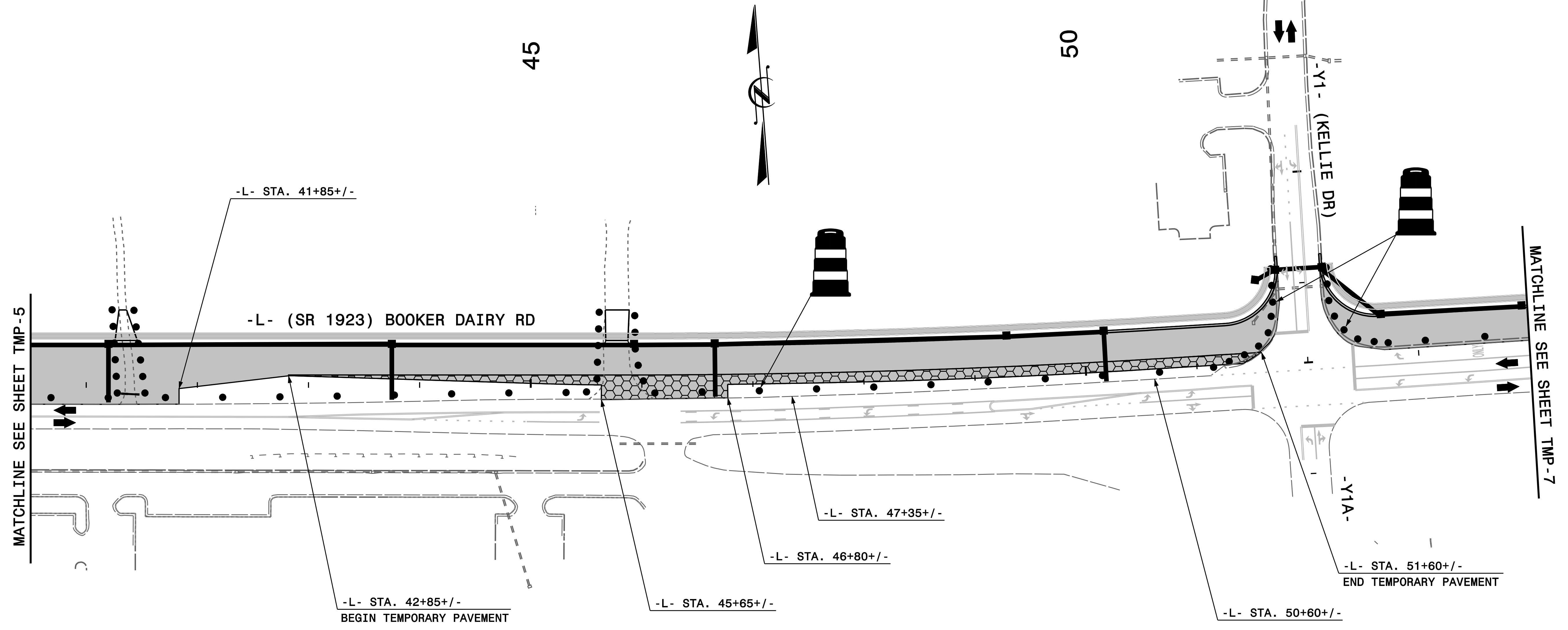
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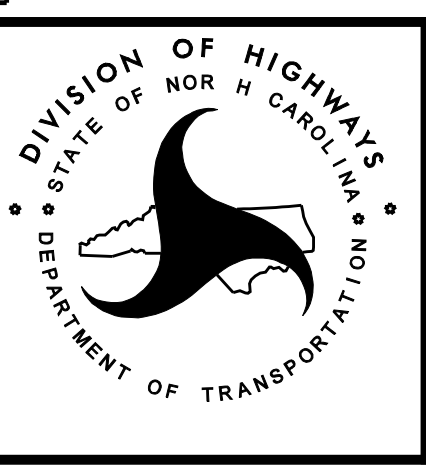
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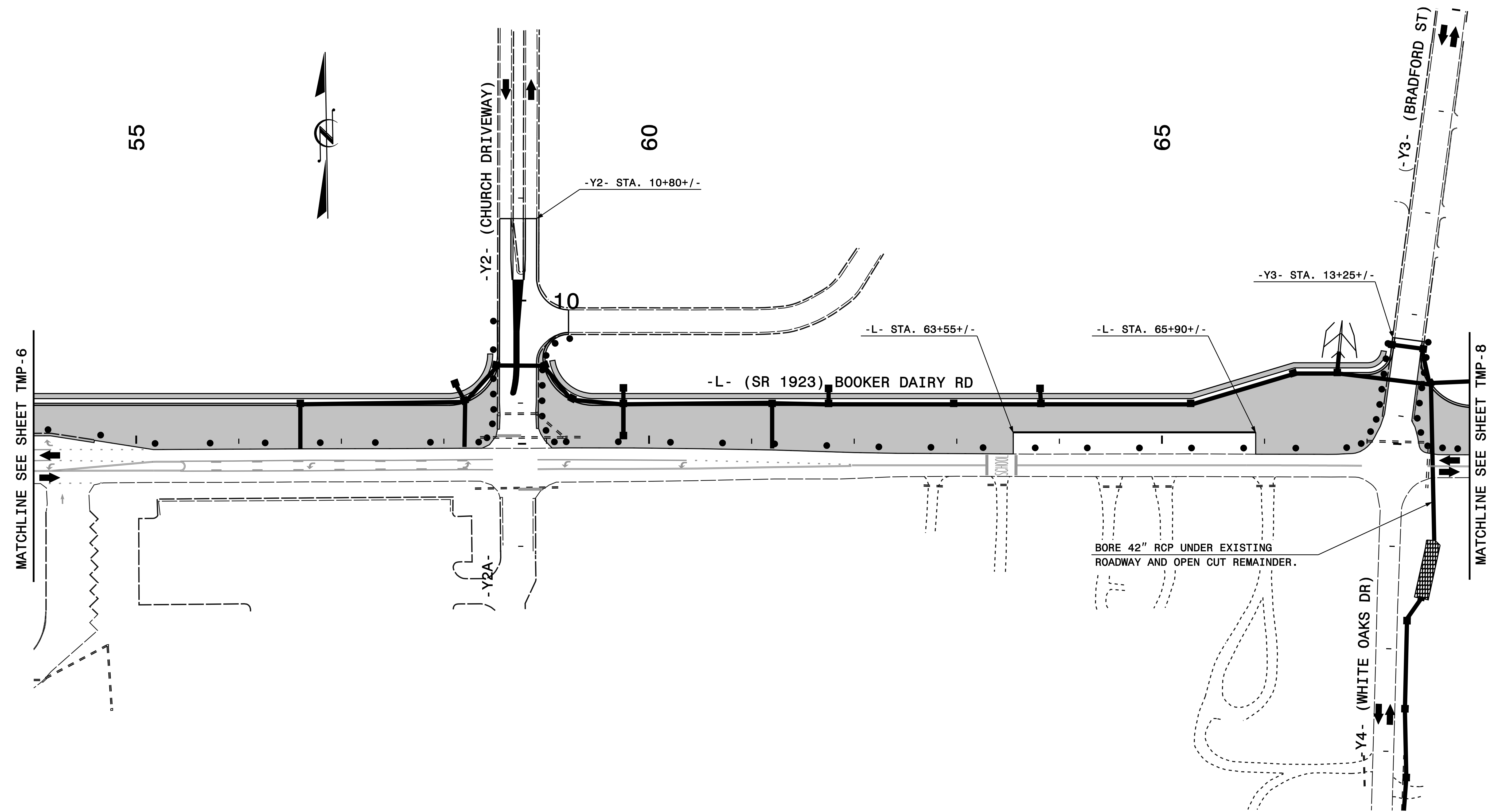
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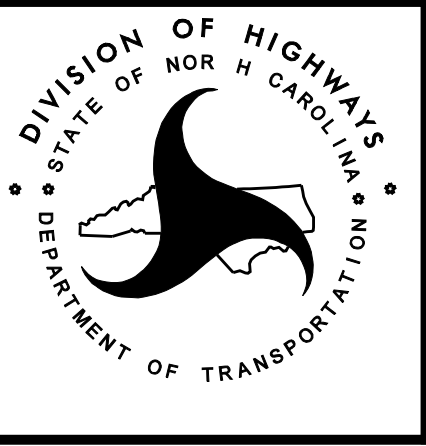
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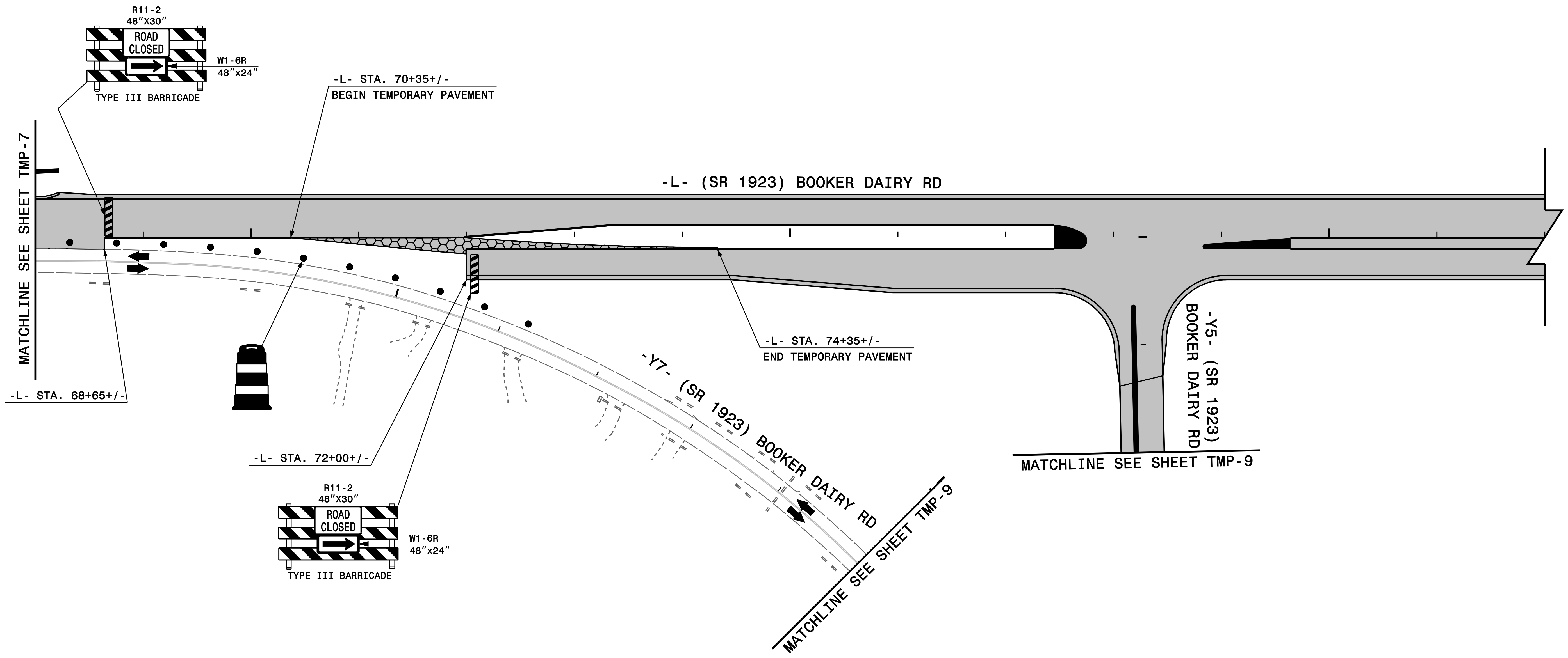


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MATCHLINE SEE SHEET TMP-7

-L- STA. 68+65+/-

-L- STA. 70+35+/-  
BEGIN TEMPORARY PAVEMENT

-L- (SR 1923) BOOKER DAIRY RD

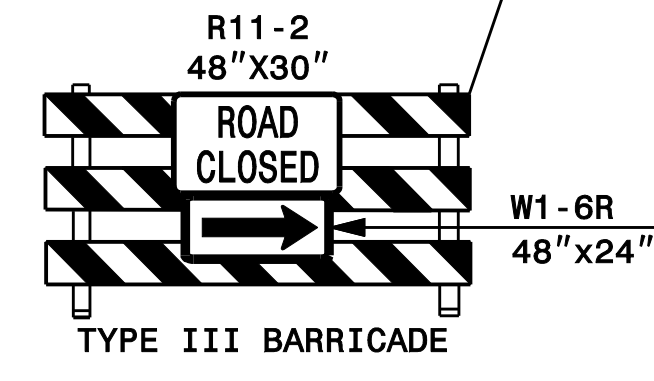
-L- STA. 74+35+/-  
END TEMPORARY PAVEMENT

-Y7- (SR 1923) BOOKER DAIRY RD

-Y5- (SR 1923)  
BOOKER DAIRY RD

MATCHLINE SEE SHEET TMP-9

-L- STA. 72+00+/-



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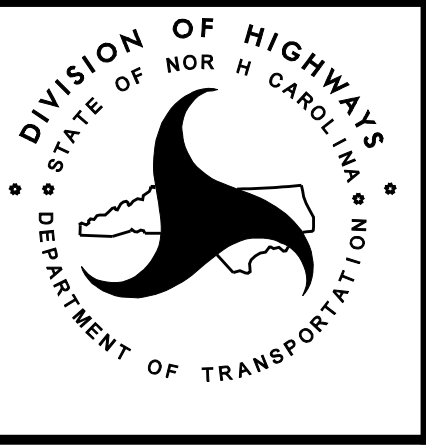
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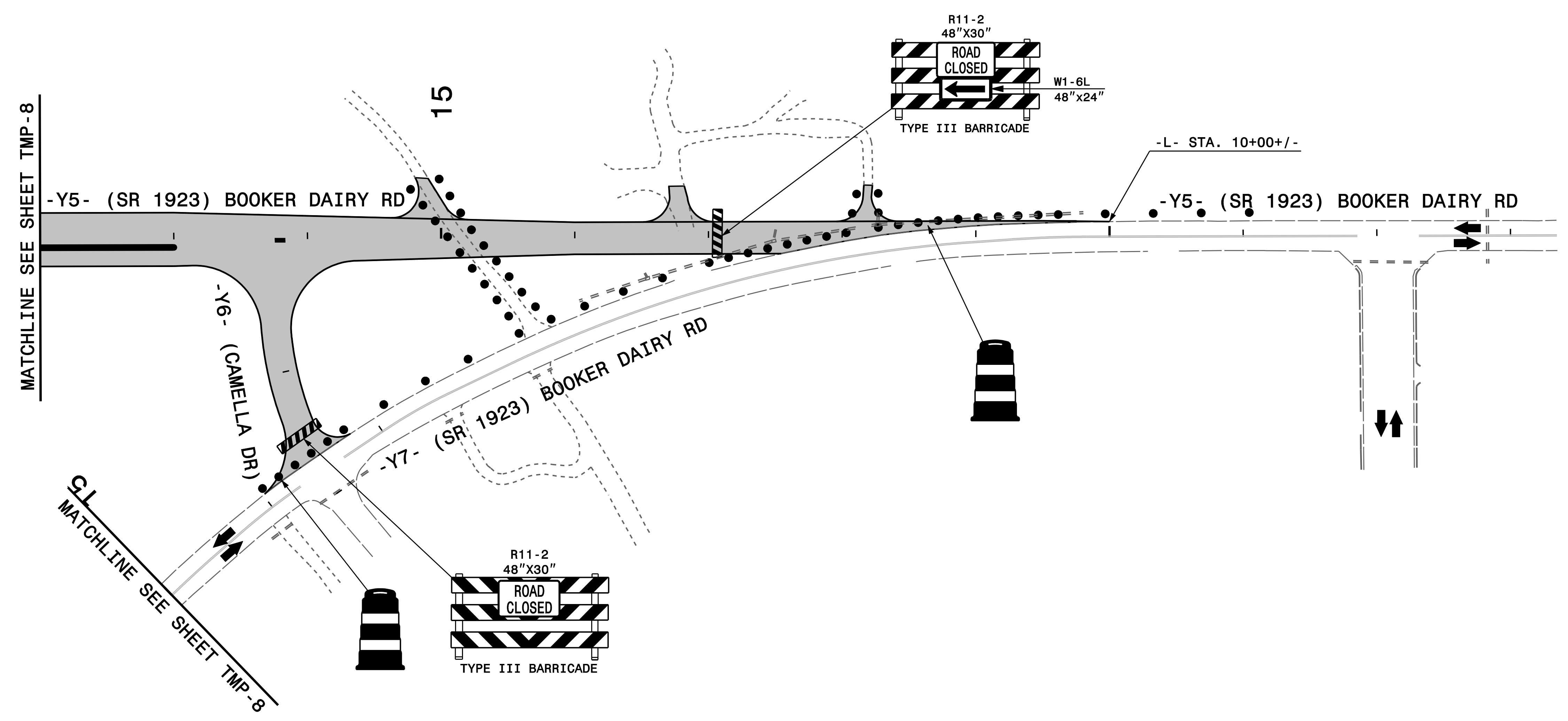
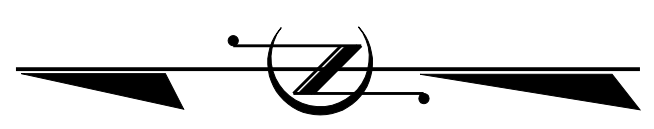
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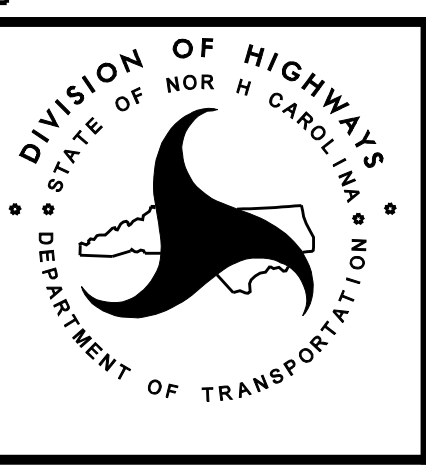
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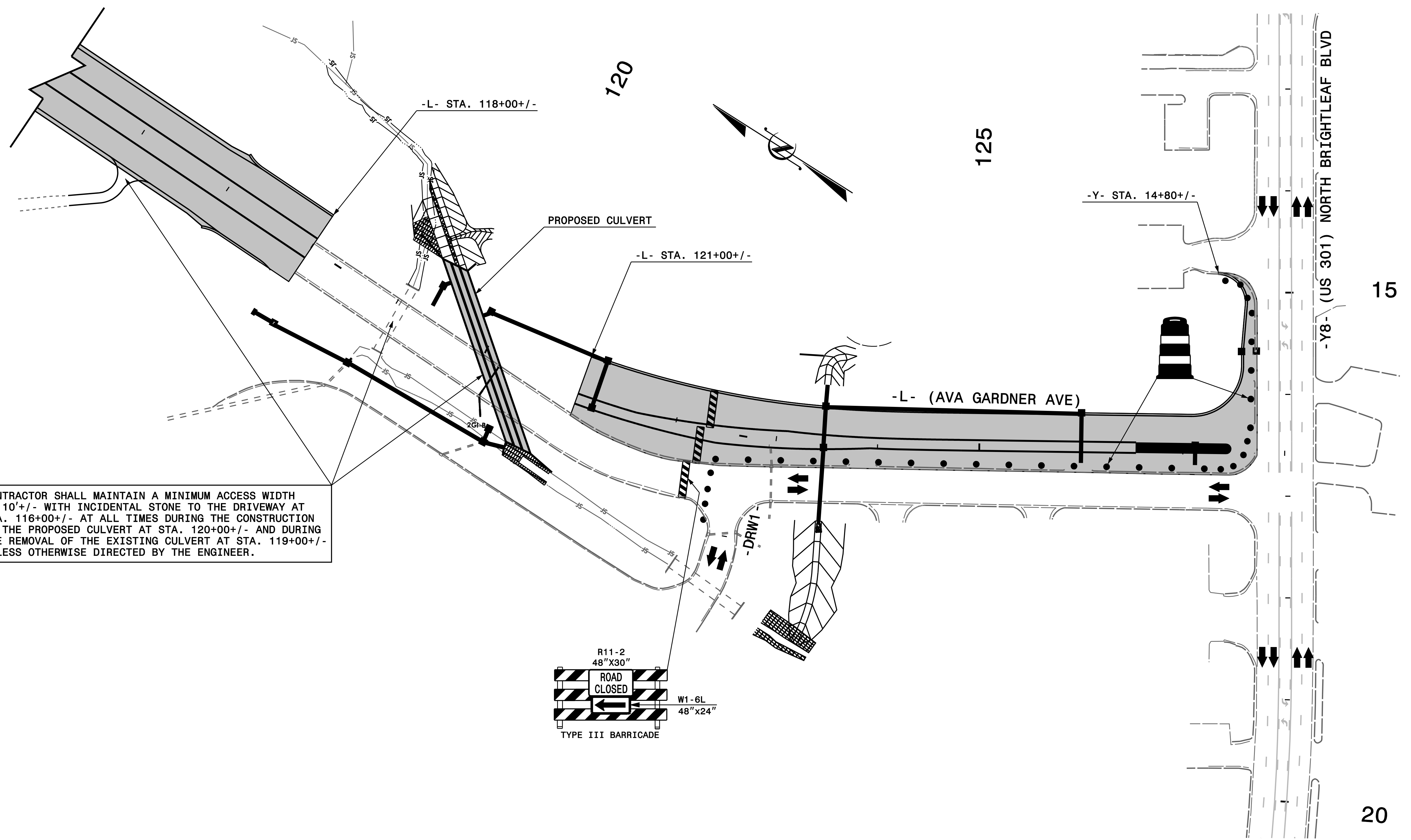
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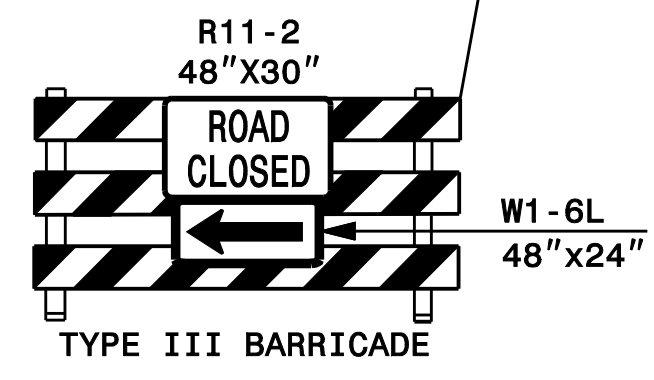
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CONTRACTOR SHALL MAINTAIN A MINIMUM ACCESS WIDTH OF 10'+/- WITH INCIDENTAL STONE TO THE DRIVEWAY AT STA. 116+00+/- AT ALL TIMES DURING THE CONSTRUCTION OF THE PROPOSED CULVERT AT STA. 120+00+/- AND DURING THE REMOVAL OF THE EXISTING CULVERT AT STA. 119+00+/- UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



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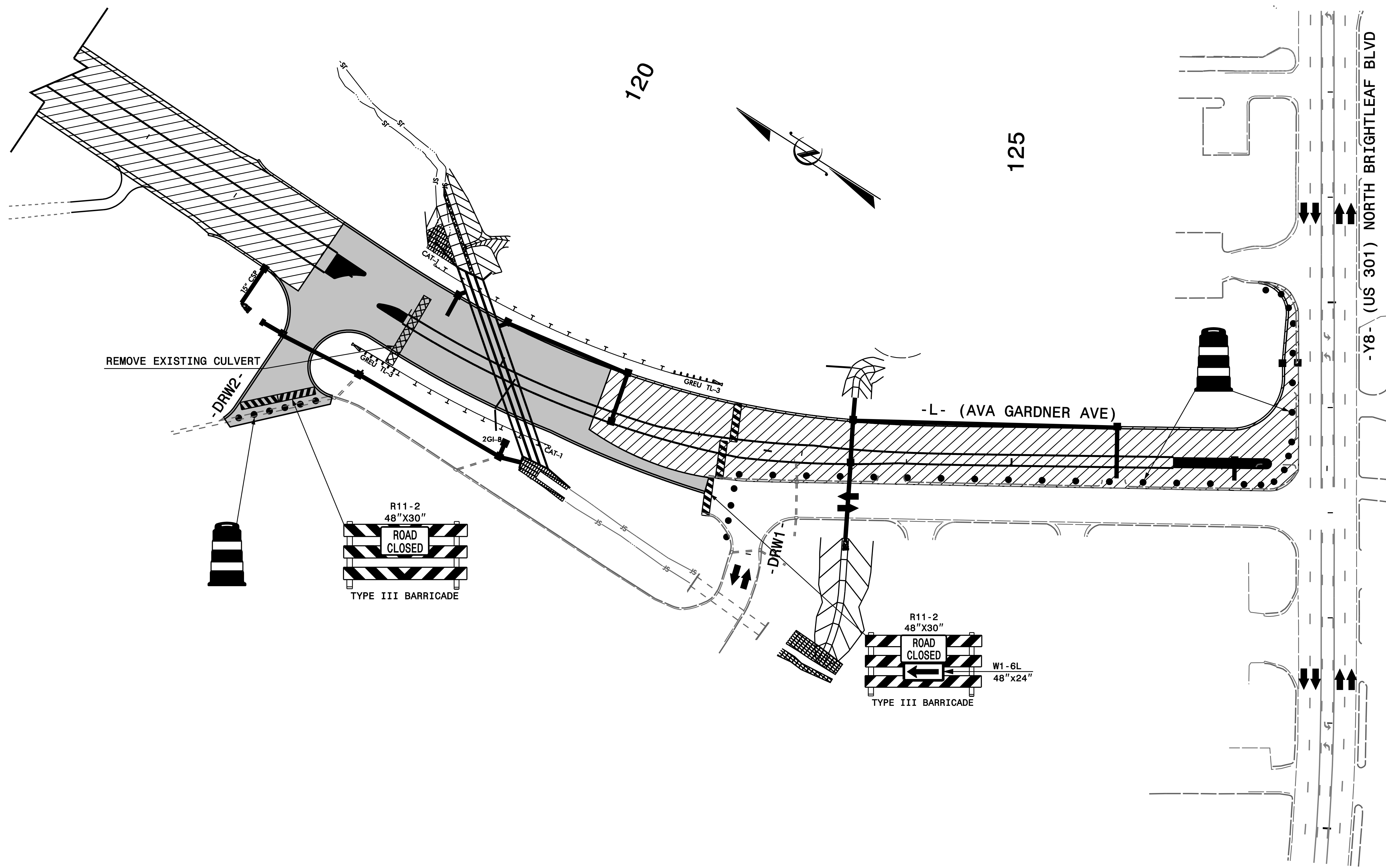
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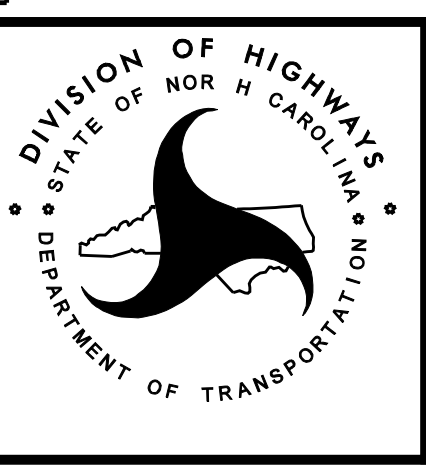
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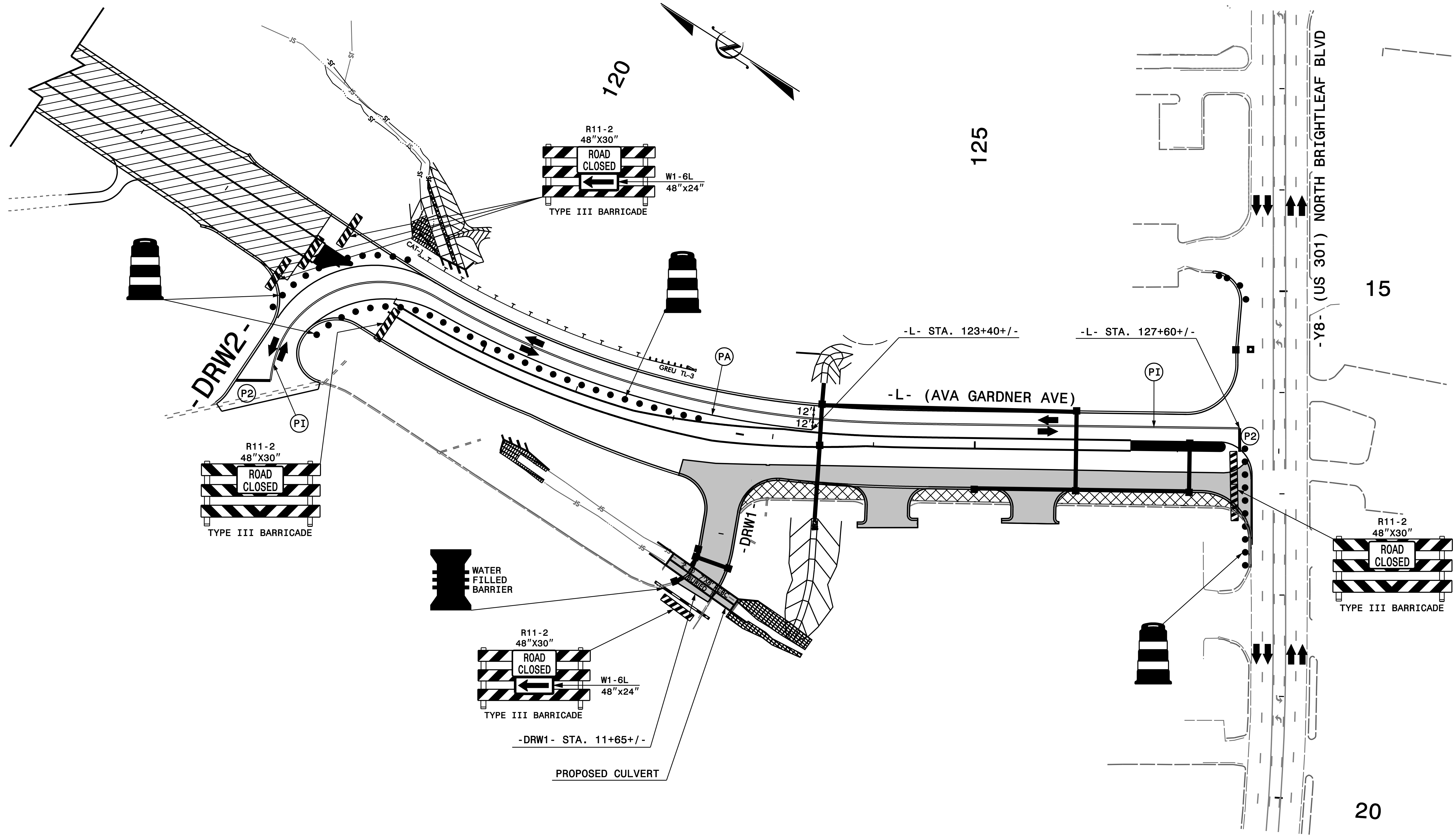
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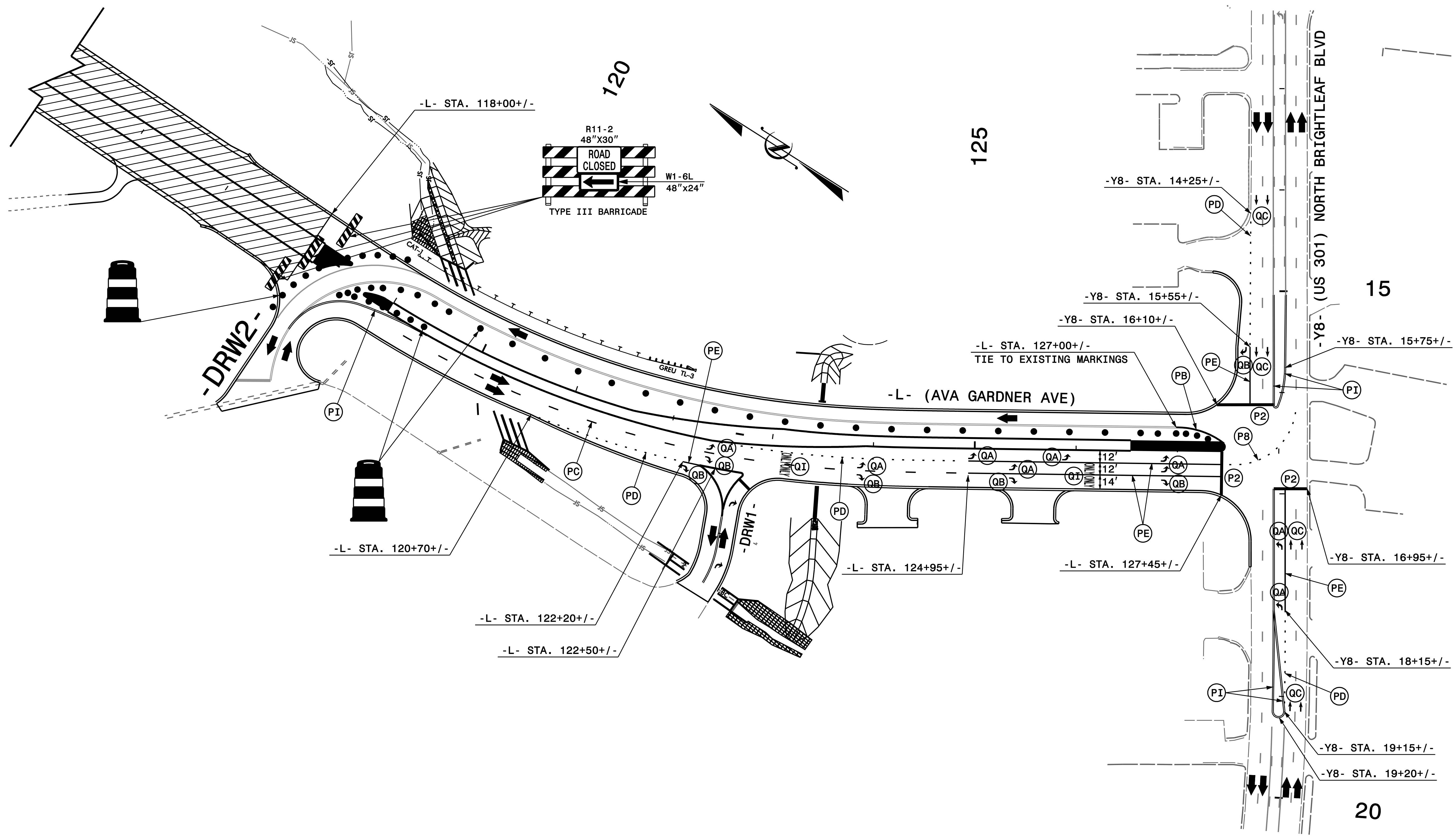
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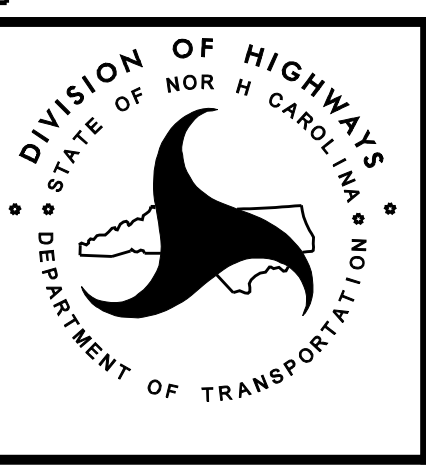
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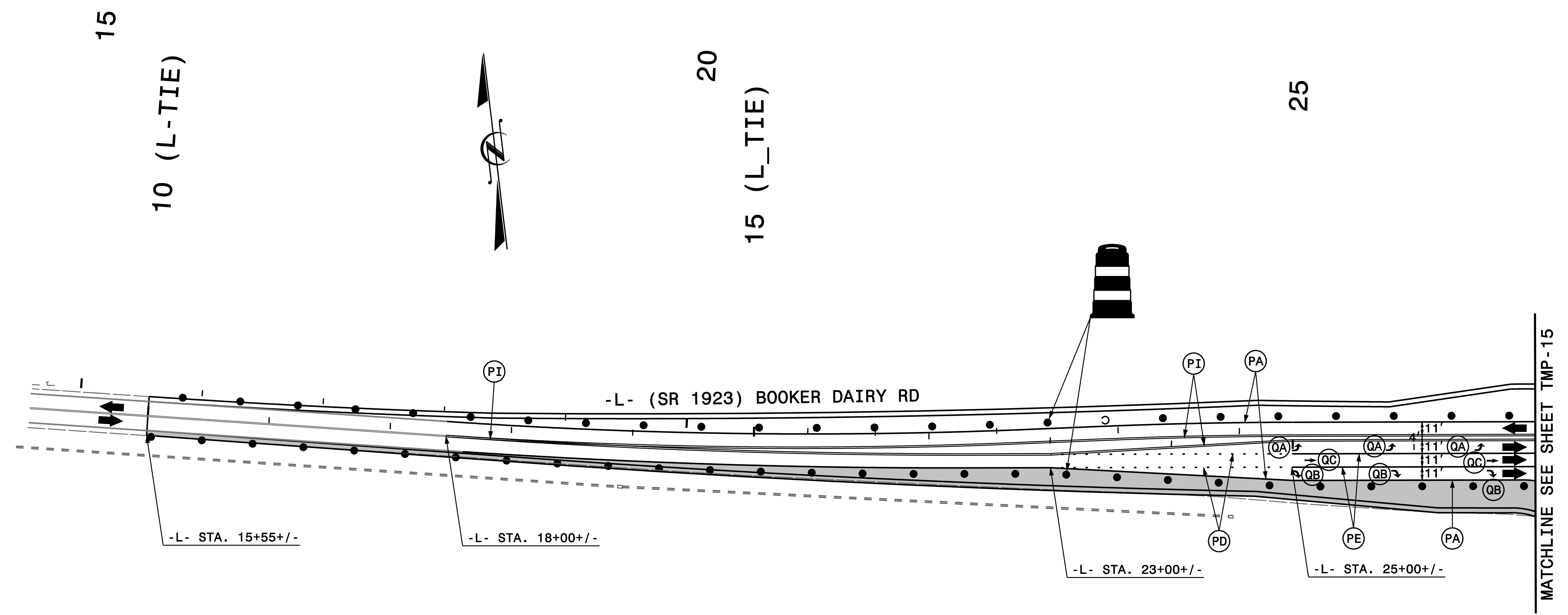
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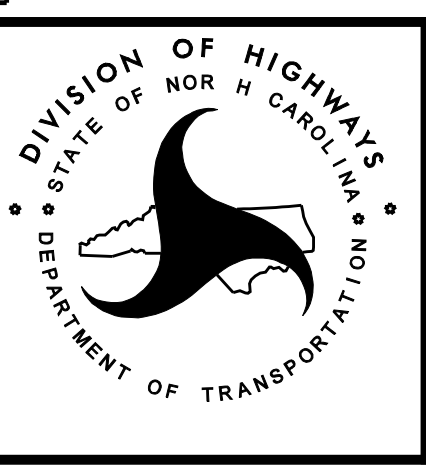
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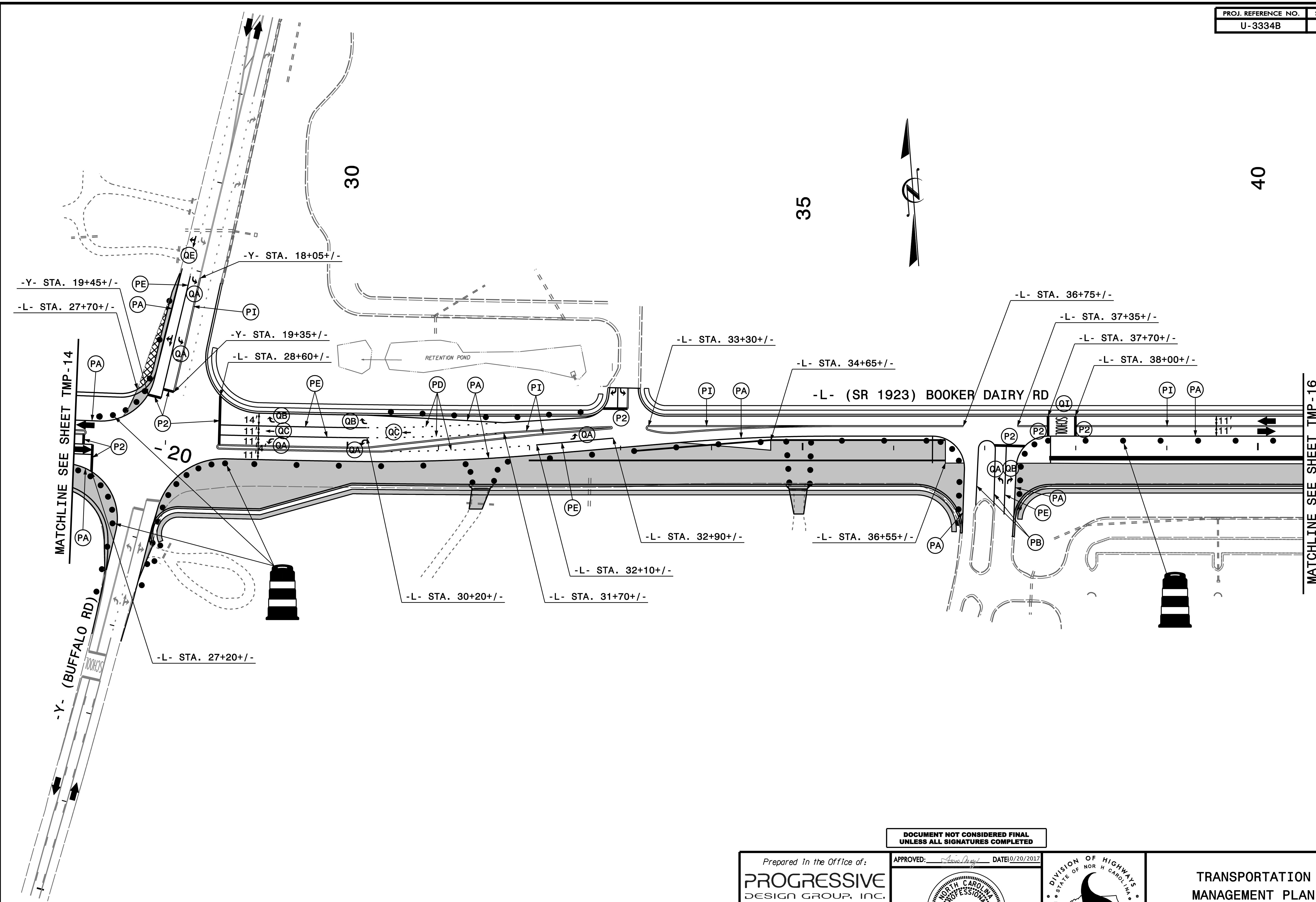
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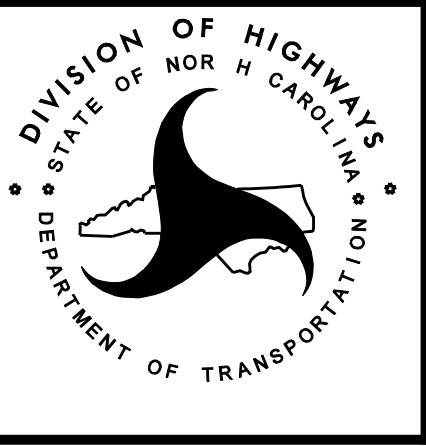




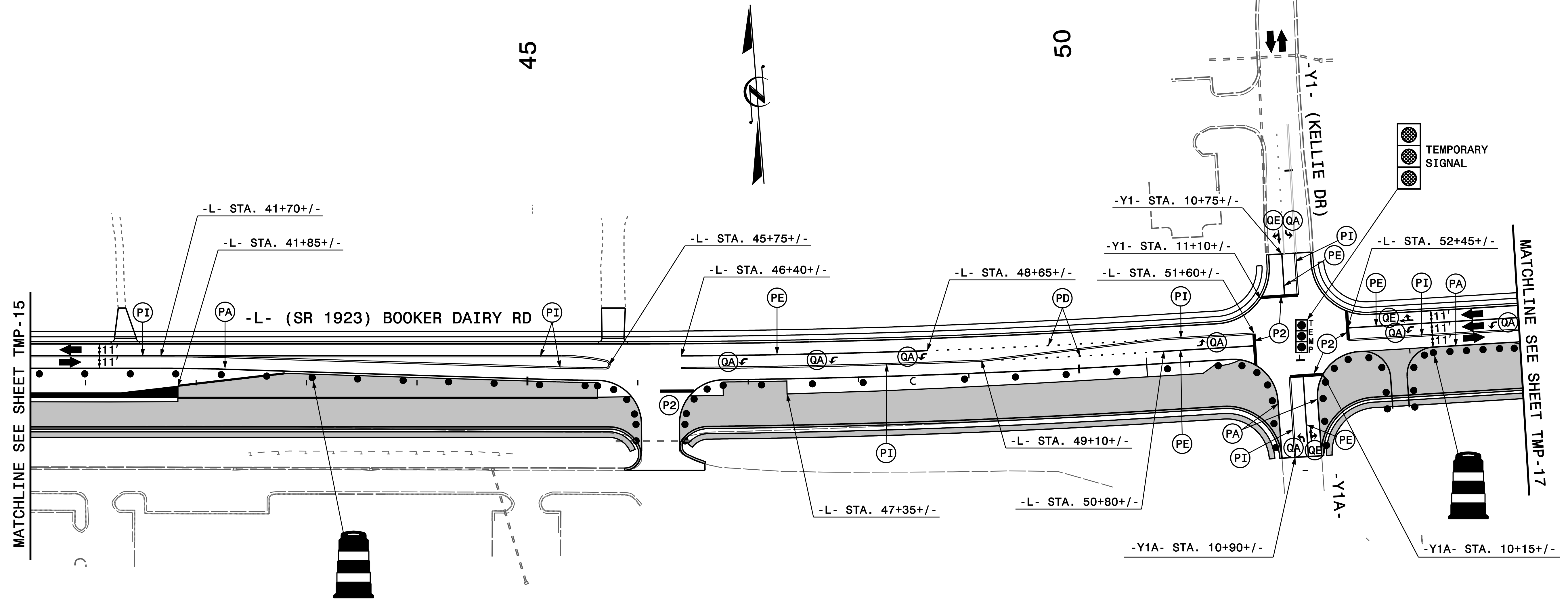
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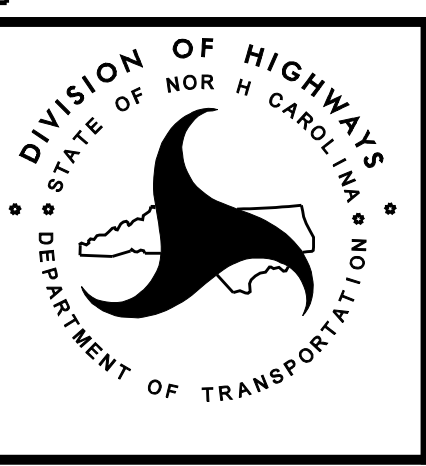
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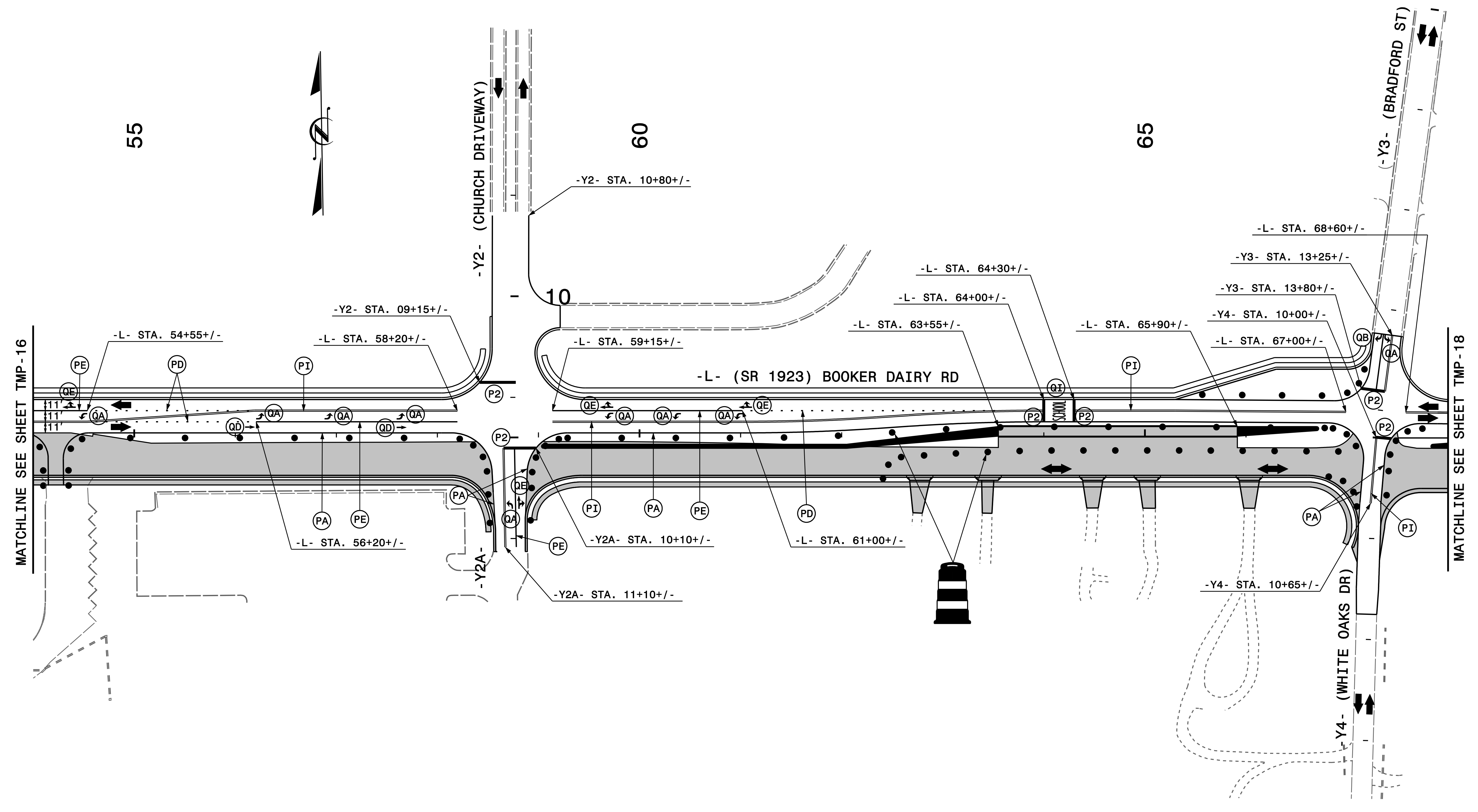
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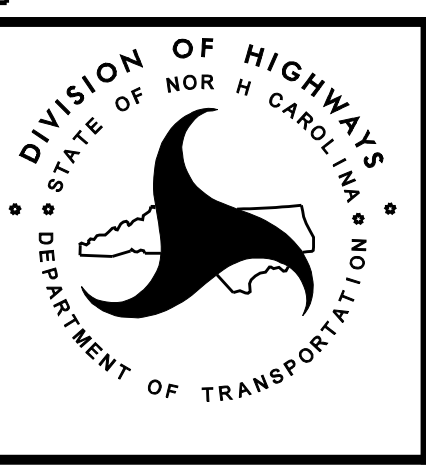
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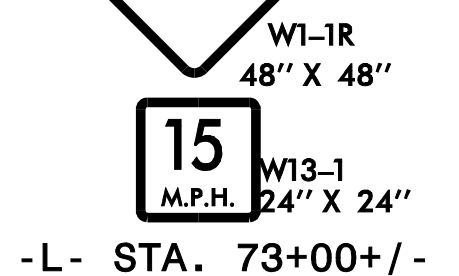
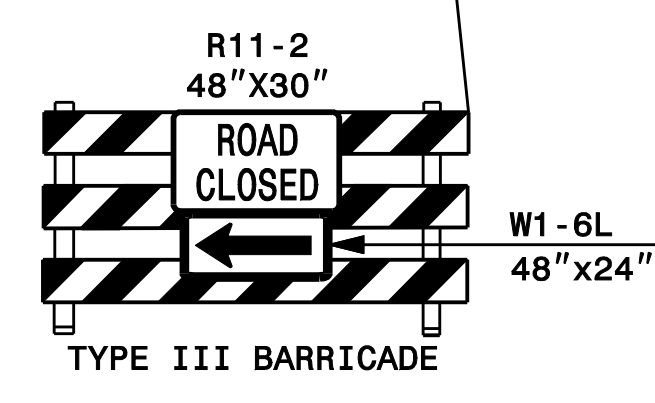
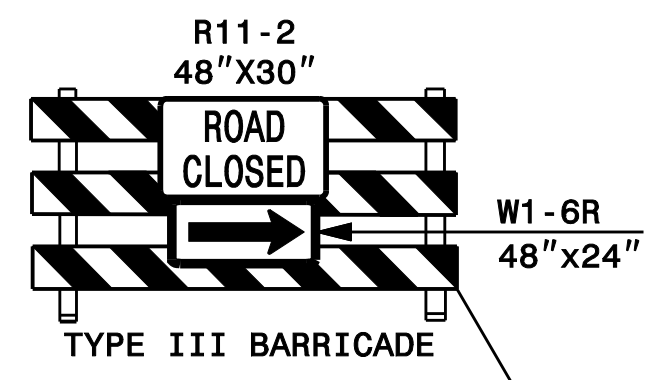
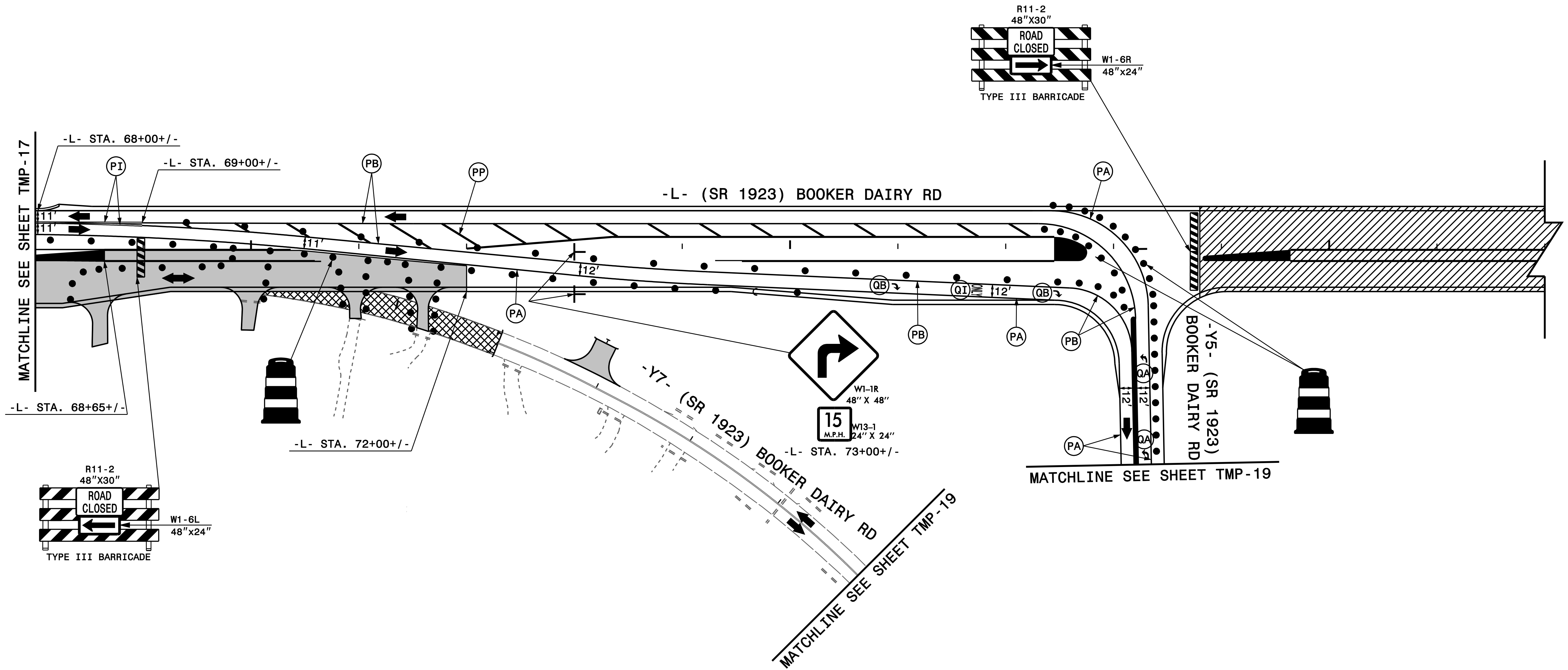


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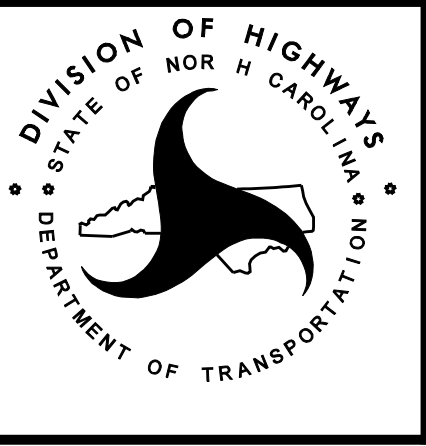
MATCHLINE SEE SHEET TMP-19

MATCHLINE SEE SHEET TMP-17

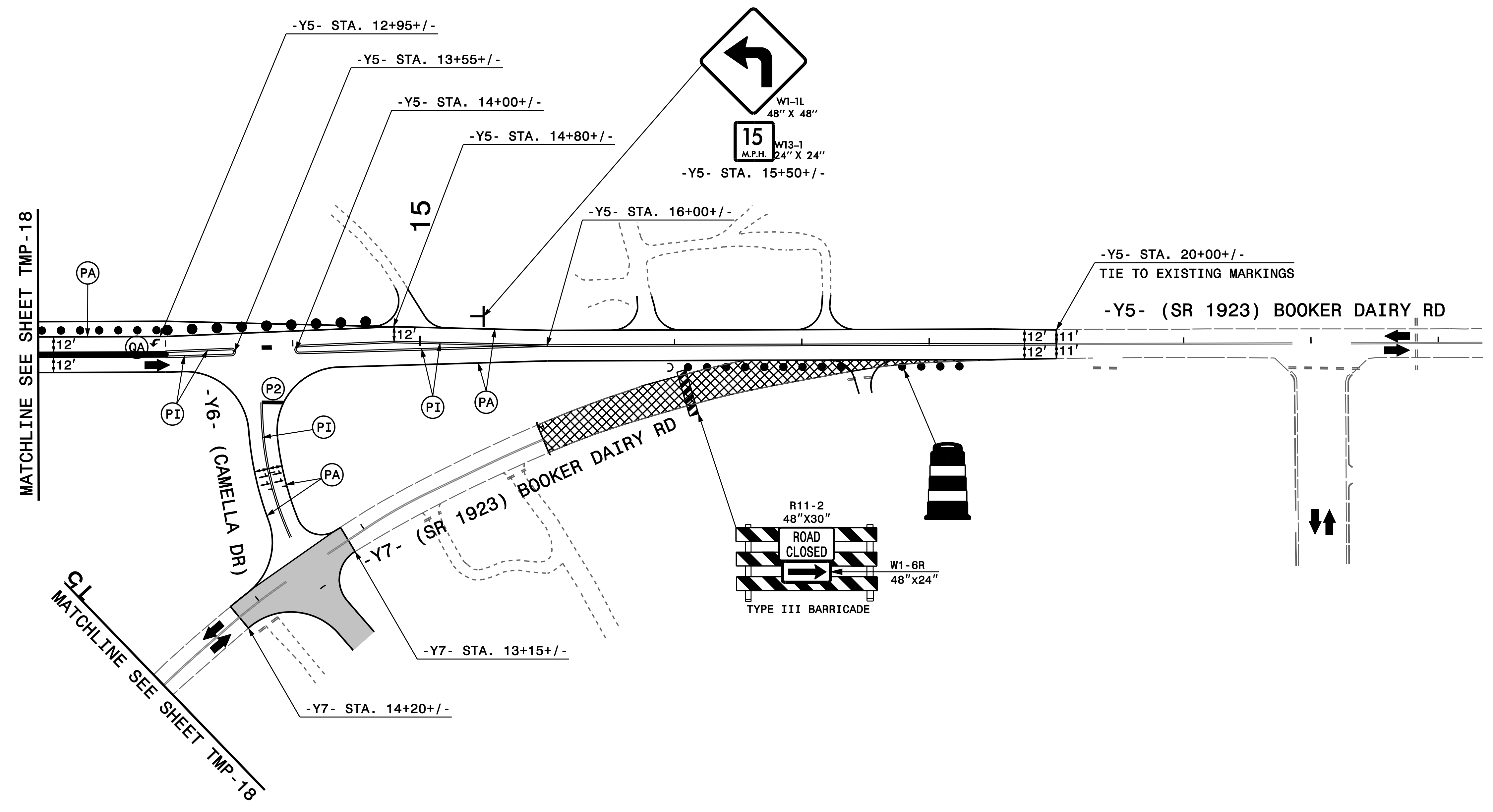
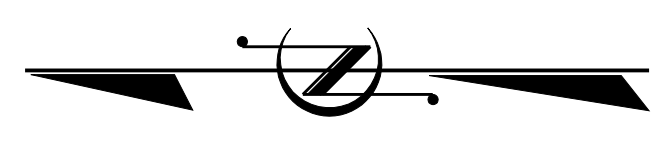
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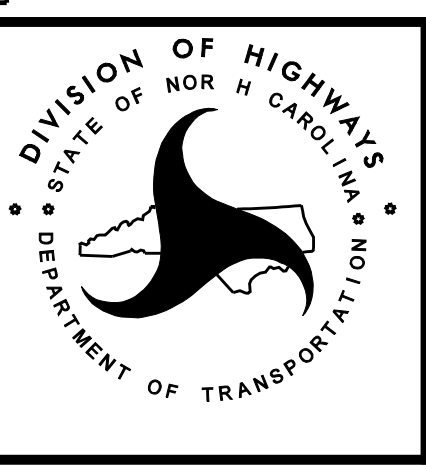
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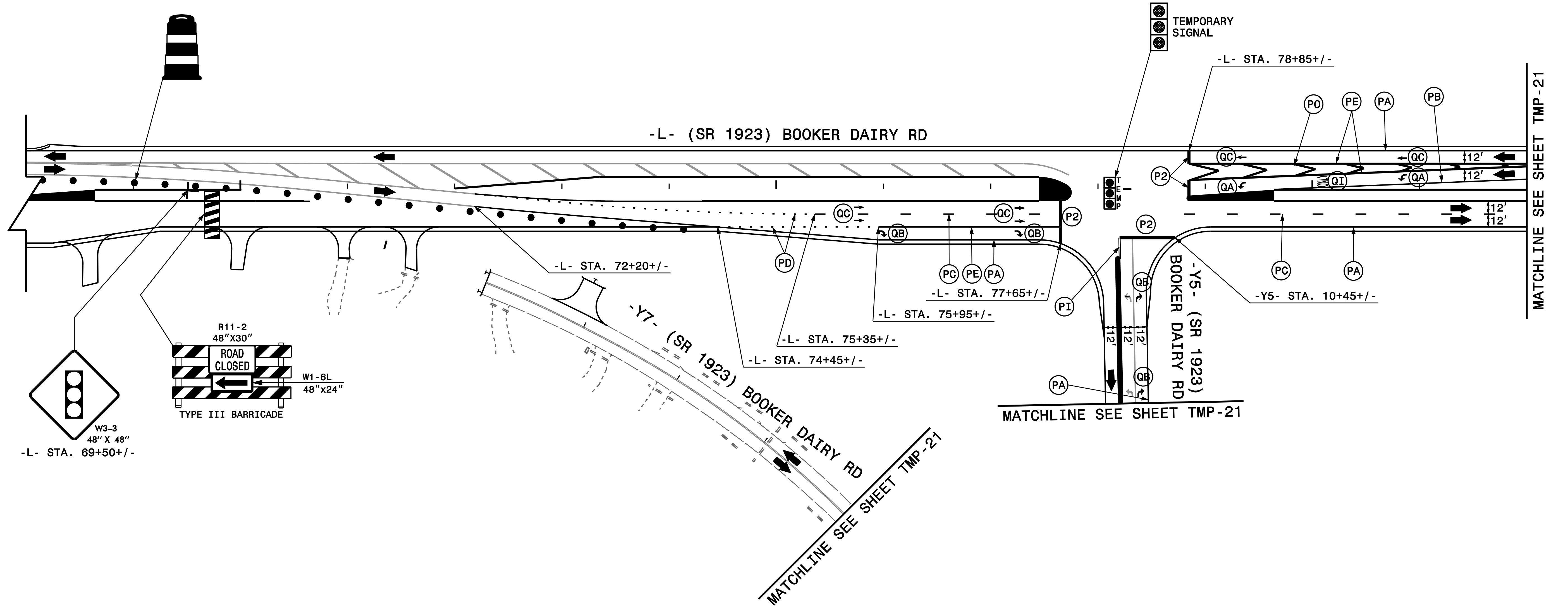


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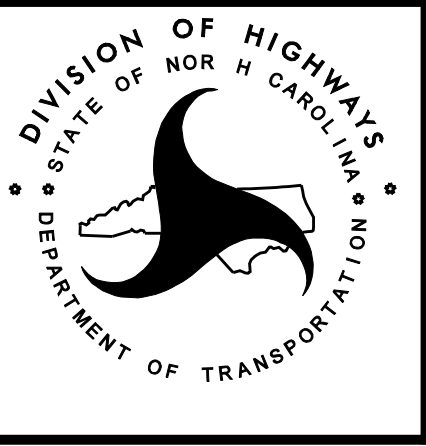
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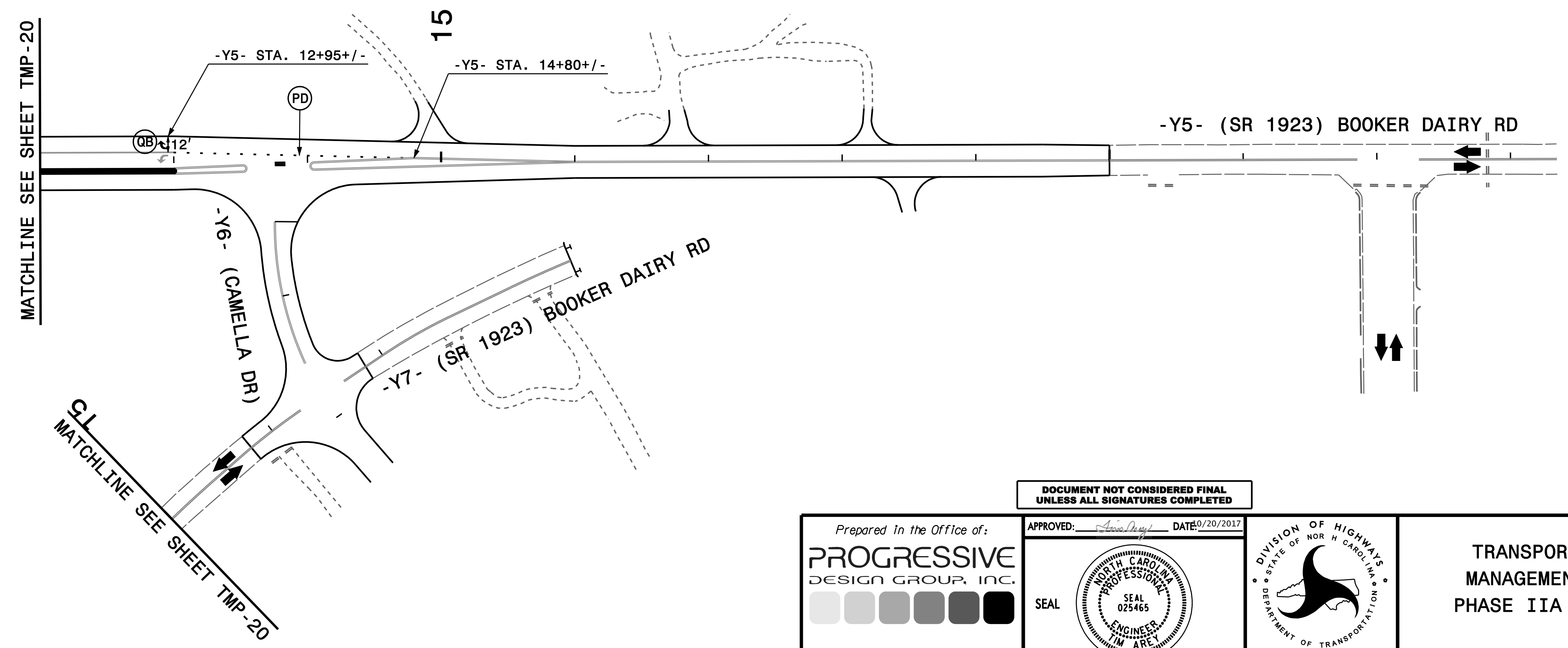
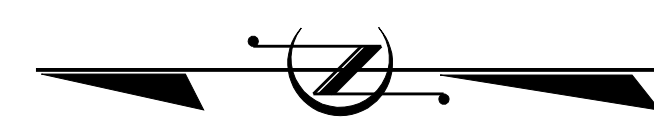
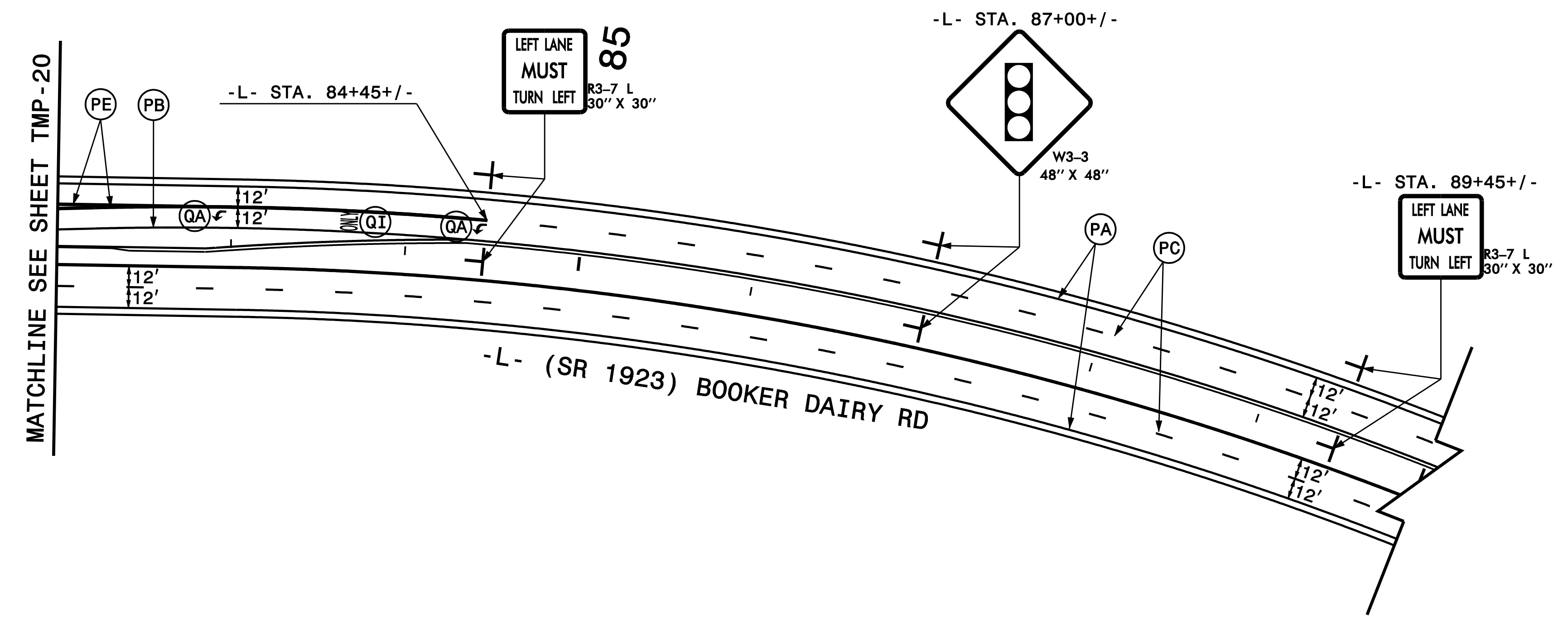
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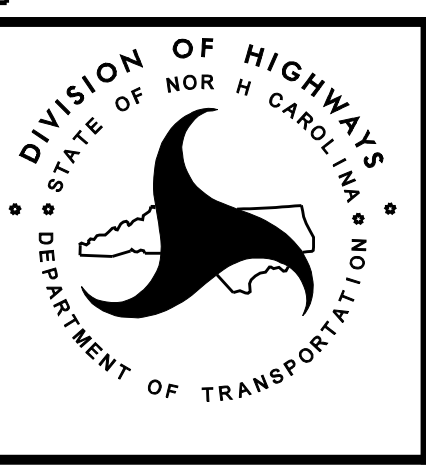
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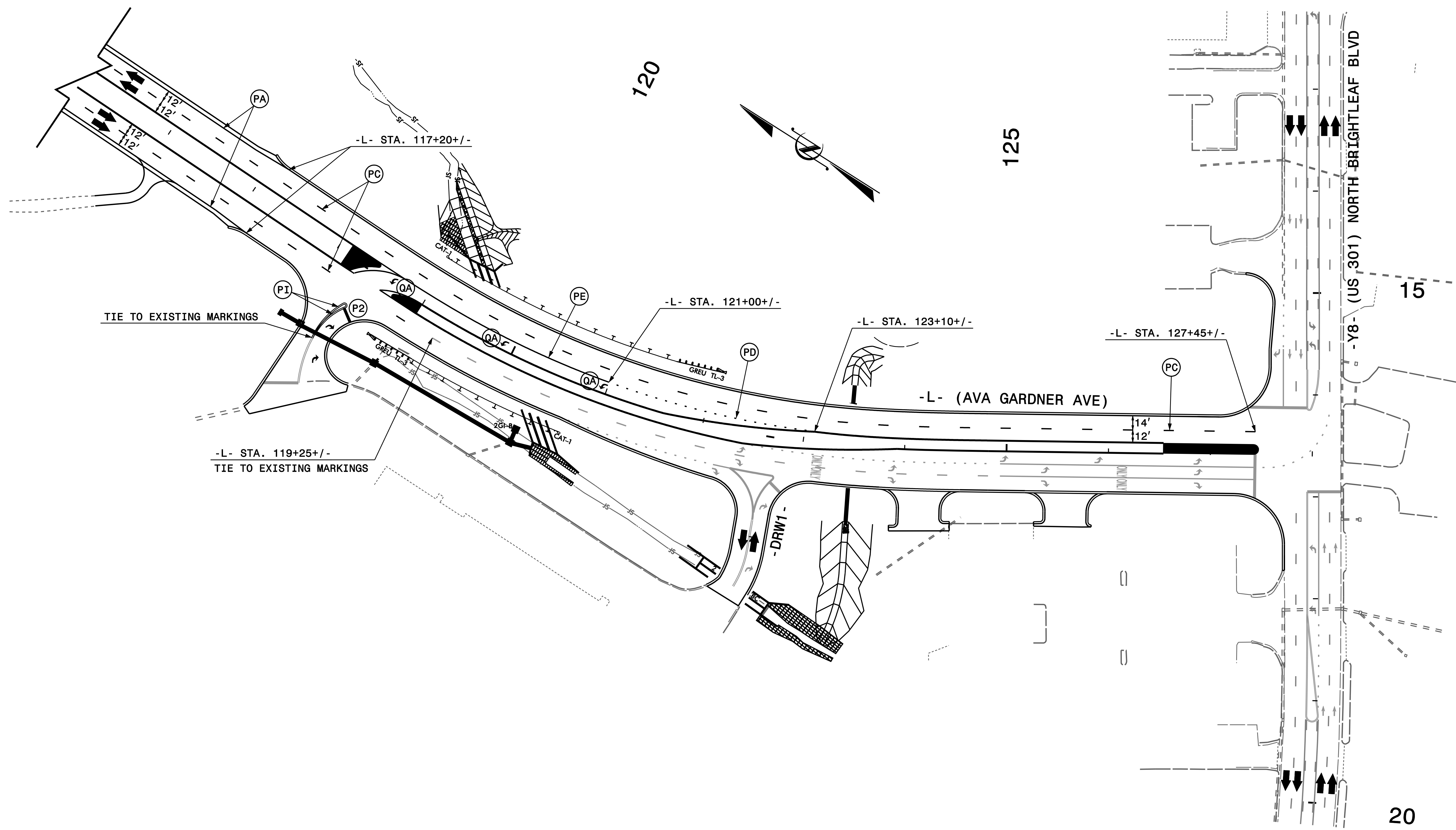
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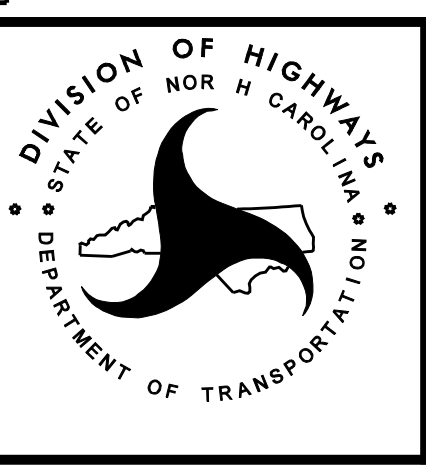
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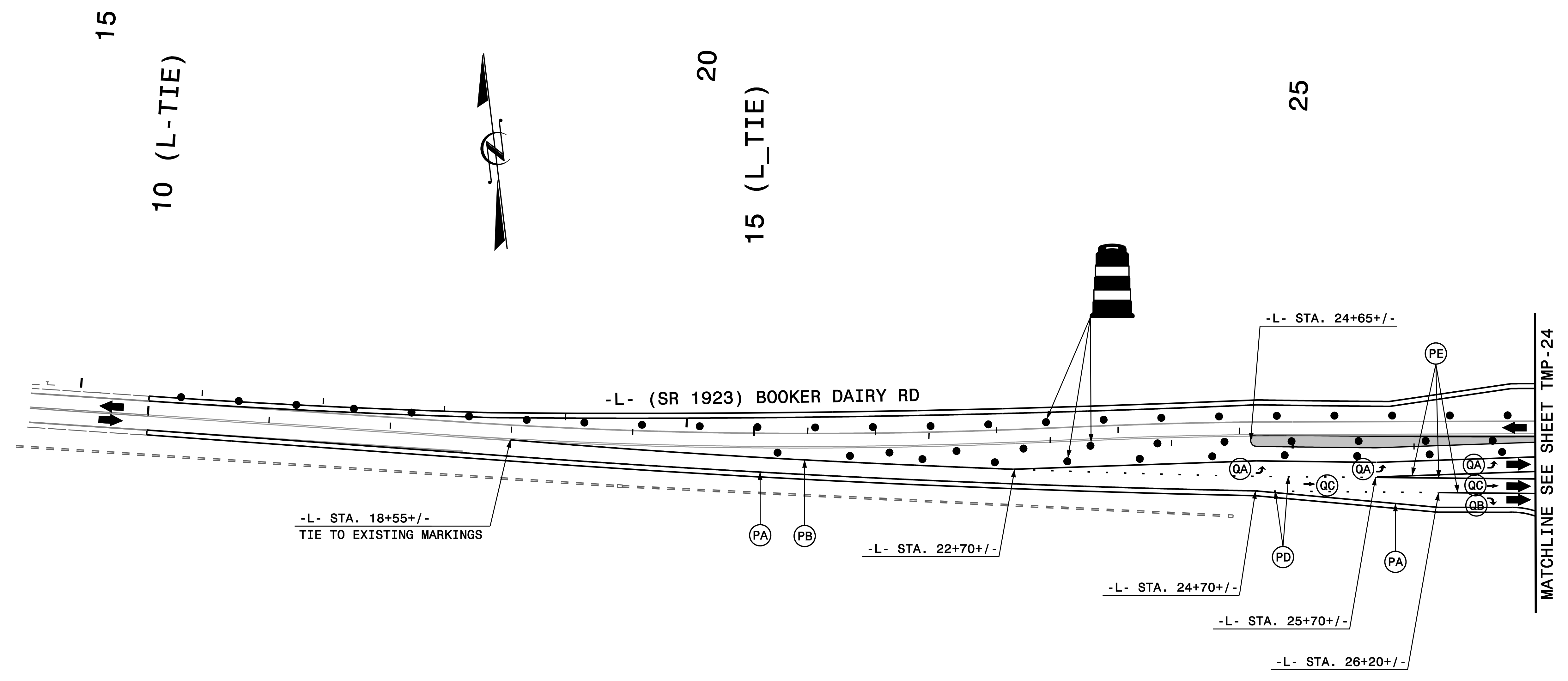
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NOTE:  
ALL PAVEMENT MARKINGS ARE EXISTING  
MARKINGS UNLESS OTHERWISE NOTED

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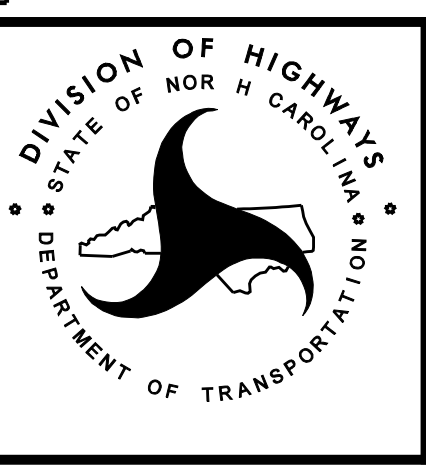
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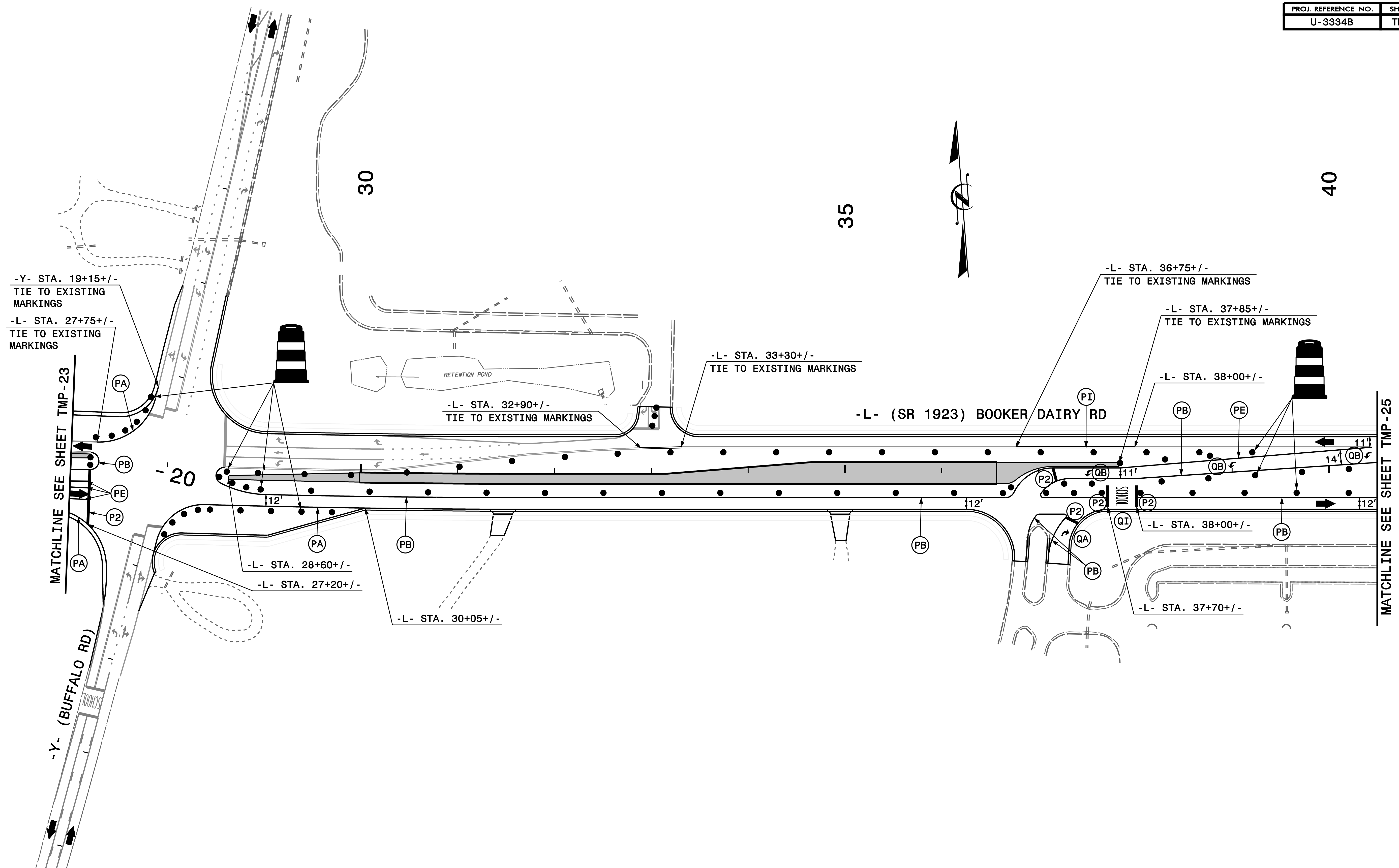
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-Y- STA. 19+15+/-  
TIE TO EXISTING MARKINGS

-L- STA. 27+75+/-  
TIE TO EXISTING MARKINGS

-L- STA. 33+30+/-  
TIE TO EXISTING MARKINGS

-L- STA. 36+75+/-  
TIE TO EXISTING MARKINGS

-L- STA. 37+85+/-  
TIE TO EXISTING MARKINGS

-L- STA. 32+90+/-  
TIE TO EXISTING MARKINGS

-L- (SR 1923) BOOKER DAIRY RD

-L- STA. 38+00+/-

MATCHLINE SEE SHEET TMP-23

MATCHLINE SEE SHEET TMP-25

-Y- (BUFFALO RD)

-L- STA. 28+60+/-

-L- STA. 27+20+/-

-L- STA. 30+05+/-

-L- STA. 38+00+/-

-L- STA. 37+70+/-

25

NOTE:  
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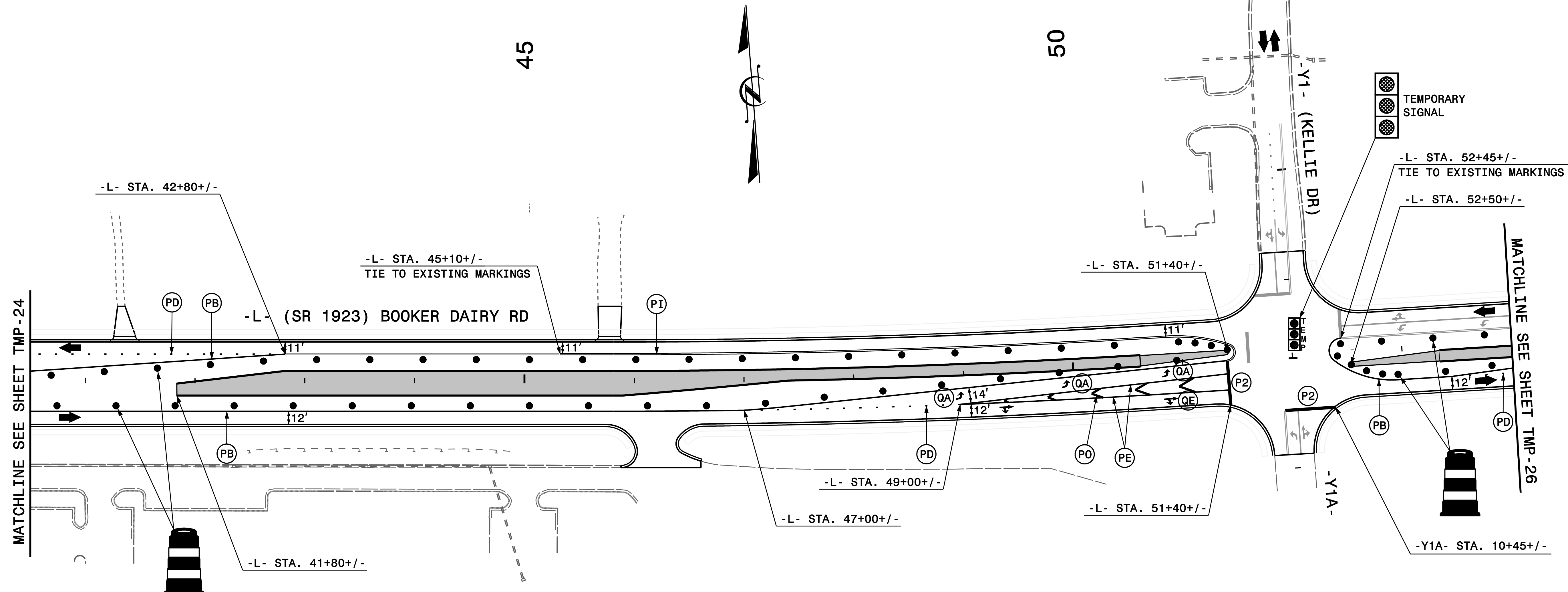
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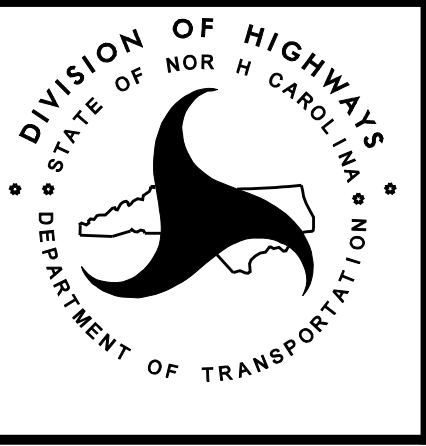
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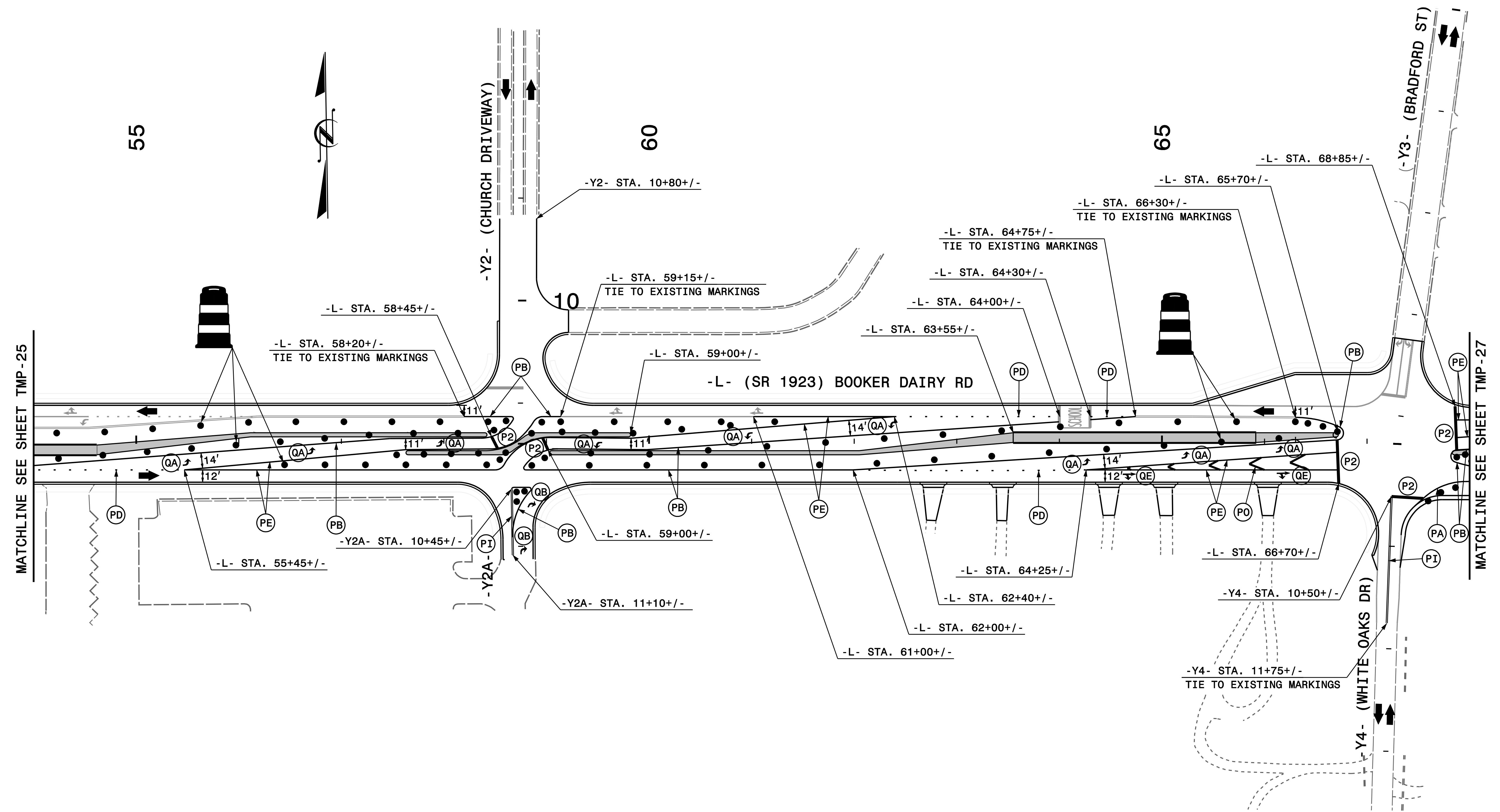
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TRANSPORTATION  
MANAGEMENT PLAN  
PHASE III DETAILS



MATCHLINE SEE SHEET TMP-25

MATCHLINE SEE SHEET TMP-27

NOTE:  
ALL PAVEMENT MARKINGS ARE EXISTING  
MARKINGS UNLESS OTHERWISE NOTED

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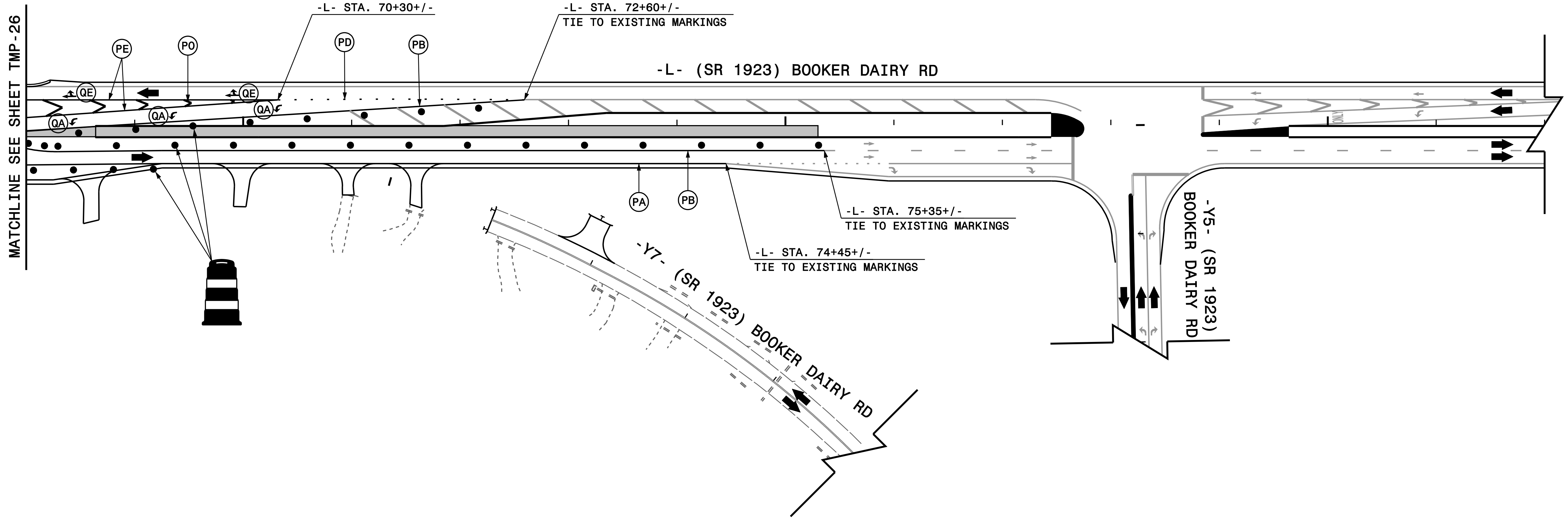


TRANSPORTATION  
MANAGEMENT PLAN  
PHASE III DETAILS

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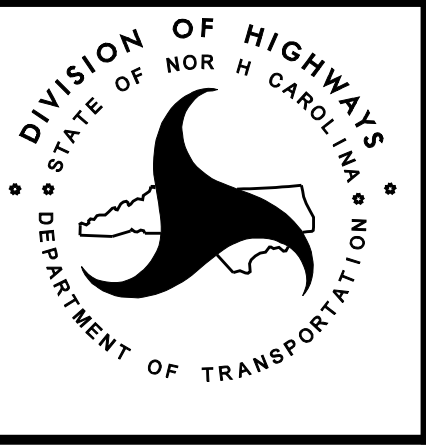
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