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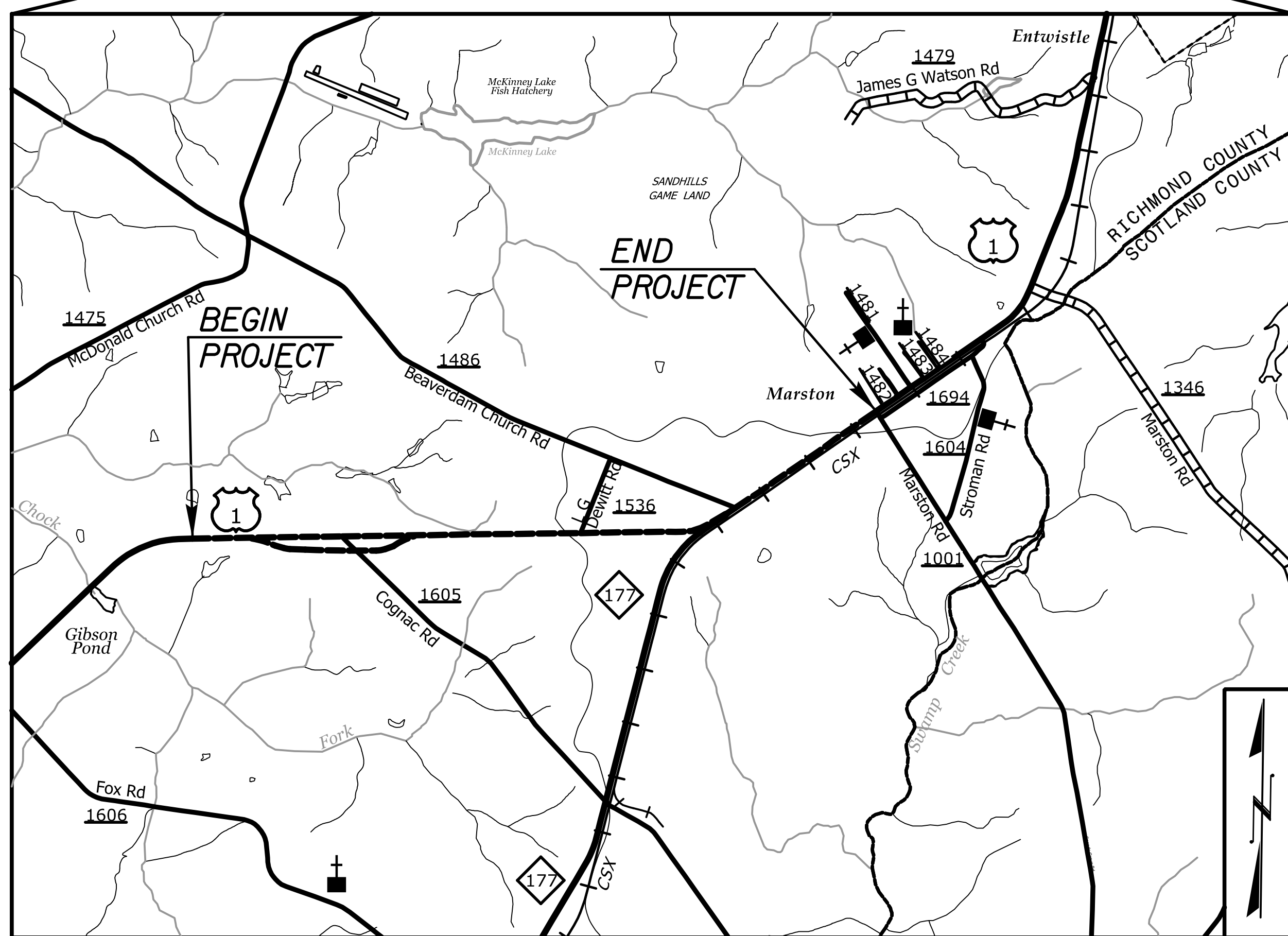
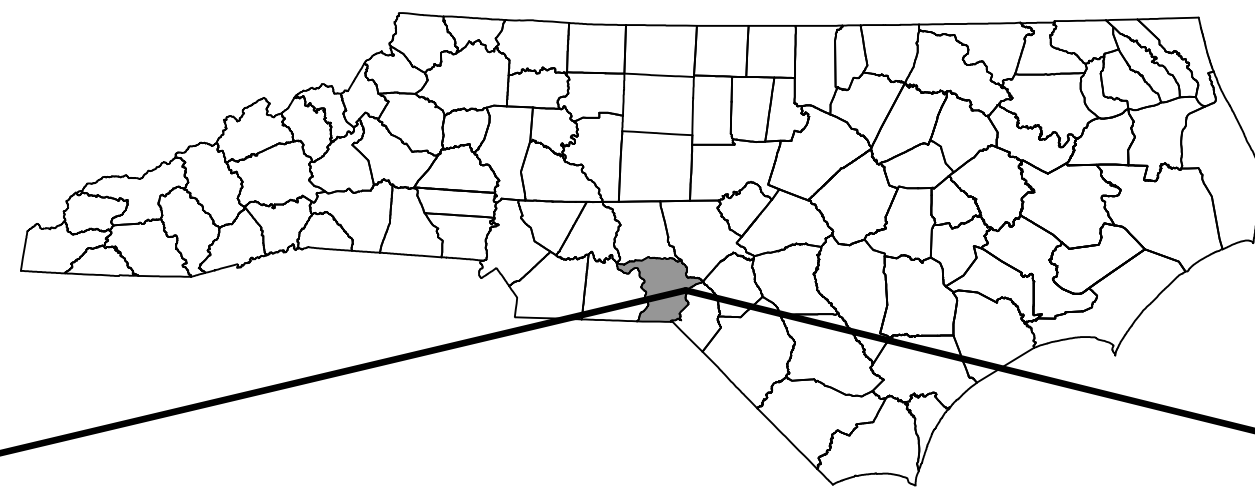
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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**RICHMOND COUNTY**



| SHEET NO.       | TITLE  |
|-----------------|--|
| TMP-1           | TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS  |
| TMP-1A          | LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND AND TEMPORARY PAVEMENT MARKING SCHEDULE |
| TMP-1B - TMP-1C | GENERAL NOTES, LOCAL NOTES & MANAGEMENT STRATEGIES   |
| TMP-2           | INTERSECTION RELOCATION DETAILS  |
| TMP-2A          | INTERSECTION AND DRIVEWAY TYPICAL DETAILS  |
| TMP-2B - TMP-2D | DETOUR DETAILS   |
| TMP-2E          | SIGN DESIGNS   |
| TMP-3           | PHASING AND LOCAL NOTES  |
| TMP-4 - TMP-5   | PHASE I OVERVIEWS  |
| TMP-6 - TMP-17  | PHASE I DETAILS  |
| TMP-18          | PHASE I CUT SECTIONS   |
| TMP-19 - TMP-20 | PHASE II OVERVIEWS   |
| TMP-21 - TMP-30 | PHASE II DETAILS   |
| TMP-31          | PHASE II CUT SECTIONS  |
| TMP-32 - TMP-33 | PHASE III OVERVIEWS  |
| TMP-34 - TMP-37 | PHASE III DETAILS  |
| TMP-38          | PHASE III CUT SECTIONS   |
| TMP-39 - TMP-40 | PHASE IIIA DETAILS   |
| TMP-41 - TMP-42 | PHASE IV OVERVIEWS   |
| TMP-43 - TMP-55 | PHASE IV DETAILS   |
| TMP-56          | PHASE IV CUT SECTIONS  |

SHEET NO.  
TMP-1

**R-2501C**

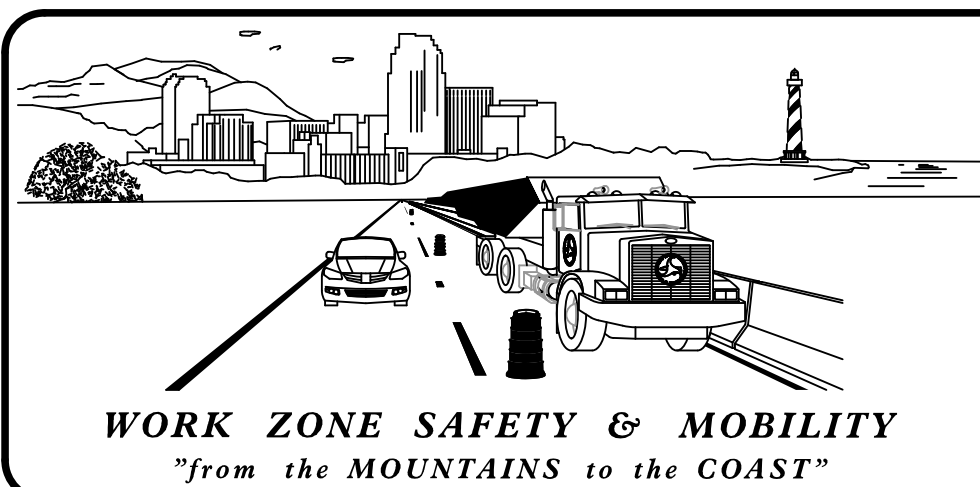
**TIP PROJECT:**

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R. B. EARLY, PE \_\_\_\_\_ TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
J. A. PHILLIPS \_\_\_\_\_ TRAFFIC CONTROL DESIGN TECHNICIAN

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GAQC STAGE:  
REVIEW:  
CONCUR:  
REVISE:  
VERIFY:



Plans Prepared for:  
**N.C.D.O.T. WORK ZONE TRAFFIC CONTROL**  
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750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)  
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023521

# 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 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  |
| 1135.01         | CONES  |
| 1145.01         | BARRICADES   |
| 1150.01         | FLAGGERS   |
| 1165.01         | TRUCK MOUNTED ATTENUATOR                                 |
| 1180.01         | SKINNY DRUMS   |
| 1205.01         | PAVEMENT MARKINGS - LINE TYPES AND OFFSETS               |
| 1205.02         | PAVEMENT MARKINGS - TWO LANE AND MULTI-LANE ROADWAYS     |
| 1205.03         | PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMP               |
| 1205.04         | PAVEMENT MARKINGS - INTERSECTIONS                        |
| 1205.05         | PAVEMENT MARKINGS - TURN LANES                           |
| 1205.06         | PAVEMENT MARKINGS - LANE DROPS                           |
| 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                                |

# LEGEND

## GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.

- WORK AREA
- REMOVAL
- INCIDENTAL STONE
- WEDGE / WIDEN (USING LANE CLOSURES)
- TEMPORARY PAVEMENT

## TRAFFIC CONTROL DEVICES

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

## TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

## SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

## PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

## PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

## TEMPORARY PAVEMENT MARKING

| <u>SYMBOL</u> | <u>DESCRIPTION</u>                               | <u>PAY ITEM</u> |
|---------------|--|-----------------|
|               | <u>PAVEMENT MARKING LINES</u>                    |                 |
|               |  | PAINT (4")      |
| P8            | 2 FT/ 6 FT SP WHITE MINISKIP                     |                 |
| P9            | 2 FT/ 6 FT SP YELLOW 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                            |                 |
| PF            | 10 FT YELLOW SKIP                                |                 |
| PH            | YELLOW SINGLE CENTER LINE                        |                 |
| PI            | YELLOW DOUBLE CENTER LINE                        |                 |
|               |  | PAINT (8")      |
| P13           | 3 FT/ 9 FT SP WHITE MINISKIP                     |                 |
| PN            | WHITE GORELINE                                   |                 |
| PR            | WHITE SOLID LANE LINE                            |                 |
|               |  | PAINT (12")     |
| PU            | WHITE DIAGONAL                                   |                 |
| PV            | YELLOW DIAGONAL                                  |                 |
|               |  | PAINT (24")     |
| P2            | WHITE STOP BAR                                   |                 |
|               | <u>PAVEMENT MARKING SYMBOLS &amp; CHARACTERS</u> |                 |
|               |  | PAINT SYMBOL    |
| QA            | LEFT TURN ARROW                                  |                 |
| QB            | RIGHT TURN ARROW                                 |                 |
| QC            | STRAIGHT ARROW                                   |                 |
| QE            | COMBO STRAIGHT/RIGHT                             |                 |
| QI            | ALPHANUMERIC CHARACTERS                          |                 |
| QP            | MERGE ARROW                                      |                 |
| QT            | U-TURN ARROW                                     |                 |

NOTE: FOR EACH PAINT PAVEMENT MARKING ITEM, REFER TO GENERAL NOTES FOR NUMBER OF APPLICATIONS.

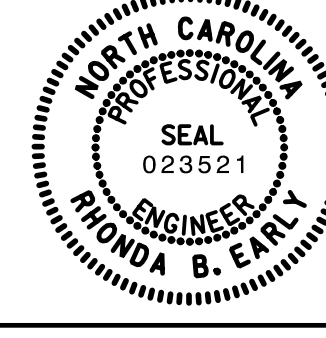
## PAVEMENT MARKERS

- MH YELLOW & YELLOW TEMPORARY RAISED
- MI CRYSTAL & RED

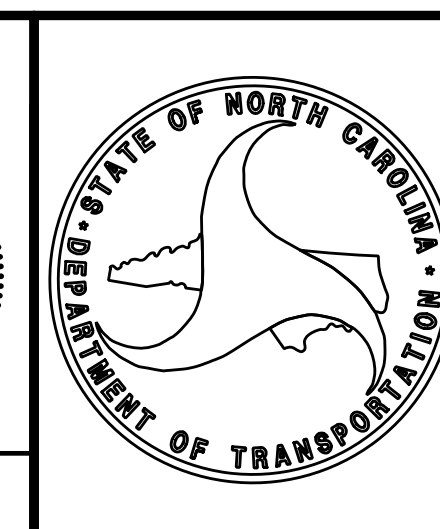
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**ENGINEER**  
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TRANSPORTATION  
MANAGEMENT PLAN

**ROADWAY STANDARD  
DRAWINGS & LEGENDS**

# MANAGEMENT STRATEGIES

THE OBJECTIVE OF THIS PROJECT IS TO WIDEN US 1 TO A FOUR LANE DIVIDED OR FIVE LANE SECTION AS SPECIFIED IN THE ROADWAY PLANS. THE PROJECT HAS FOUR PHASES OF CONSTRUCTION UTILIZING A COMBINATION OF LANE SHIFTS, ON-SITE AND OFF-SITE DETOURS.

DURING PHASE I TRAFFIC IS MAINTAINED IN ITS EXISTING PATTERN WHILE CONSTRUCTING THE ON-SITE DETOUR AND WEDGING SECTIONS OF EXISTING TO PROPOSED GRADE USING FLAGGERS. CONSTRUCTION OF US 1 ON NEW LOCATION IS BEGUN AND CONTINUES THROUGH THE NEXT PHASE.

PHASE II HAS TRAFFIC SHIFTED ONTO THE TEMPORARY DETOUR WHILE US 1 IS CONSTRUCTED AWAY FROM TRAFFIC FROM EAST OF -Y- (HAMPTON DR) TO WEST OF -Y1- (COGNAC RD). DURING THIS PHASE, WEDGING AND WIDENING OF US 1 AND CONSTRUCTION OF US 1 ON NEW LOCATION IS STILL PROGRESSING.

PHASE III RETURNS TRAFFIC TO THE LEFT MOST LANES OF US 1 WHILE THE RIGHT MOST LANES ARE CONSTRUCTED AND THE TEMPORARY DETOUR IS REMOVED. ONCE THE WEDGING, WIDENING AND NEW CONSTRUCTION OF US 1 ARE COMPLETED, -Y4- (BEAVERDAM CHURCH RD) IS CLOSED TO TRAFFIC USING -Y2- (LG DEWITT RD) AS DETOUR ROUTE AND CONSTRUCTION OF US 1 AT -Y4- IS COMPLETED. -Y4- IS OPENED TO TRAFFIC AS THE US 1 TRAFFIC IS SHIFTED FOR PHASE IV.

AS US 1 TRAFFIC IS SHIFTED TO NEW PATTERN, -Y3- (NC 177) IS CLOSED TO TRAFFIC USING -Y1- (COGNAC RD) AS DETOUR ROUTE. AT THIS TIME THE -Y3- (NC 177) CONSTRUCTION IS COMPLETED AWAY FROM TRAFFIC. ONCE -Y3- IS COMPLETED AND OPENED TO TRAFFIC, CONSTRUCTION OF THE RIGHT-MOST LANES OF US 1 NEAR -Y3- IS COMPLETED. UPON COMPLETION OF -L- (INCLUDING REMOVAL OF ABANDONED AND/OR TEMPORARY PAVEMENT), THE PLACEMENT OF FINAL SURFACE COURSE, ISLANDS AND FINAL PAVEMENT MARKING / MARKERS MAY BE COMPLETED.

# 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 DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

#### ROAD NAME

US 1 (-L-)  
NC 177 (-Y3-)

#### 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 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.
3. FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
5. 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.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

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

#### ROAD NAME

COGNAC RD (-Y1-) (\*\* ONLY APPLIES DURING PHASE IV, STEP 1 \*\*)

#### 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 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.
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8. FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 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 STOP TRAFFIC AS FOLLOWS:

| <u>ROAD NAME</u>            | <u>DAY AND TIME RESTRICTIONS</u> | <u>DURATION AND OPERATION</u> |
|-----------------------------|----------------------------------|-------------------------------|
| US 1 (-L-)<br>NC 177 (-Y3-) | MONDAY-SUNDAY:<br>7:00AM-7:00PM  | 30 MINUTES FOR TRAFFIC SHIFTS |


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.

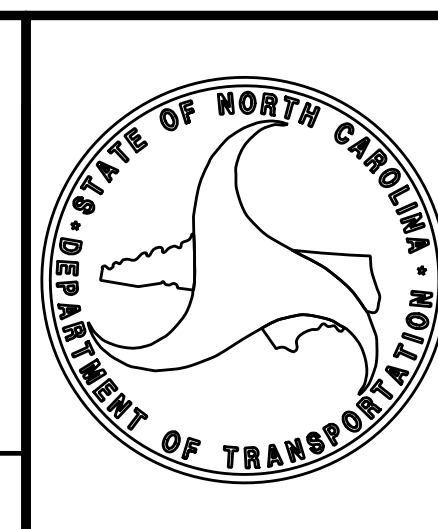
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TRANSPORTATION  
MANAGEMENT PLAN

**MANAGEMENT  
STRATEGIES &  
GENERAL NOTES**

## GENERAL NOTES

### LANE 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 REMAINS 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 -L- (US 1).

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

### TRAFFIC PATTERN ALTERATIONS

- M) NOTIFY THE ENGINEER TWENTY ONE (21) 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.
- 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) 500' 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 OPENED 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.
- U) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS) PERPENDICULAR TO THE EDGE OF THE TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

### PAVEMENT MARKINGS AND MARKERS

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

| <u>ROAD NAME</u> | <u>MARKING</u> | <u>MARKER</u> |
|------------------|----------------|---------------|
| ALL ROADS        | PAINT          | TEMPORARY     |

- W) 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.
- X) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- Y) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- Z) 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

- AA) PROVIDE AND OPERATE 2 ADDITIONAL CMS's TO BE USED AS DIRECTED BY THE ENGINEER.
- BB) LAW ENFORCEMENT SHALL BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- CC) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAYS 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) 500 FT AND 1000 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- DD) 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.

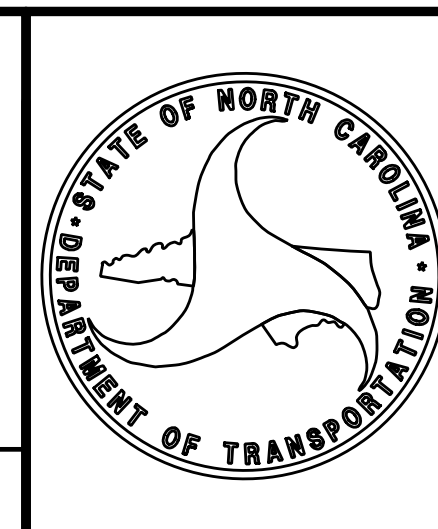
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NC License No: C-1554

DocuSigned by:  
APPROVED: *Rhonda B. Early*  
F34CAF5AC8B74BA...  
DATE: 2/28/2018

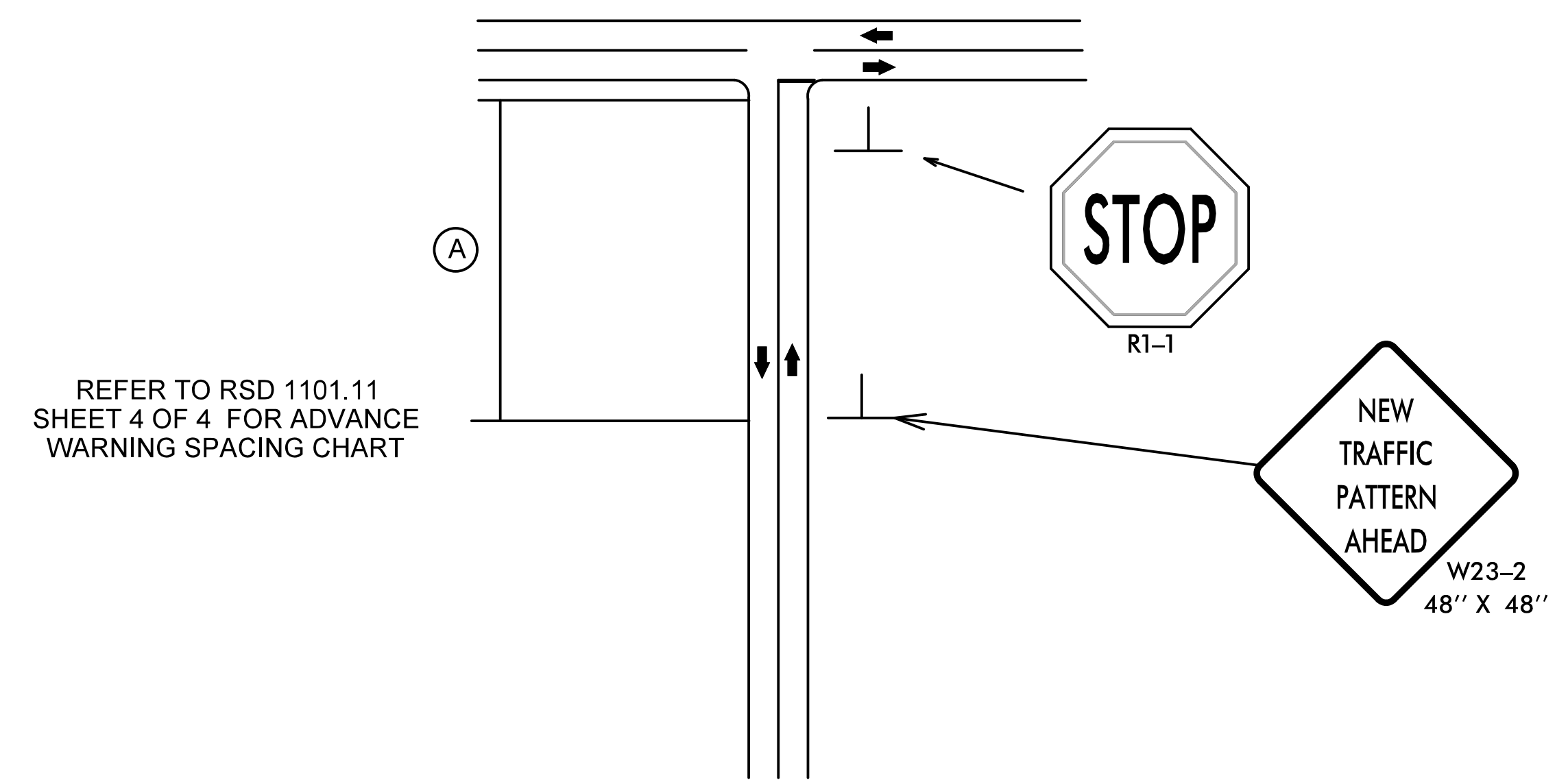


**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



TRANSPORTATION  
MANAGEMENT PLAN

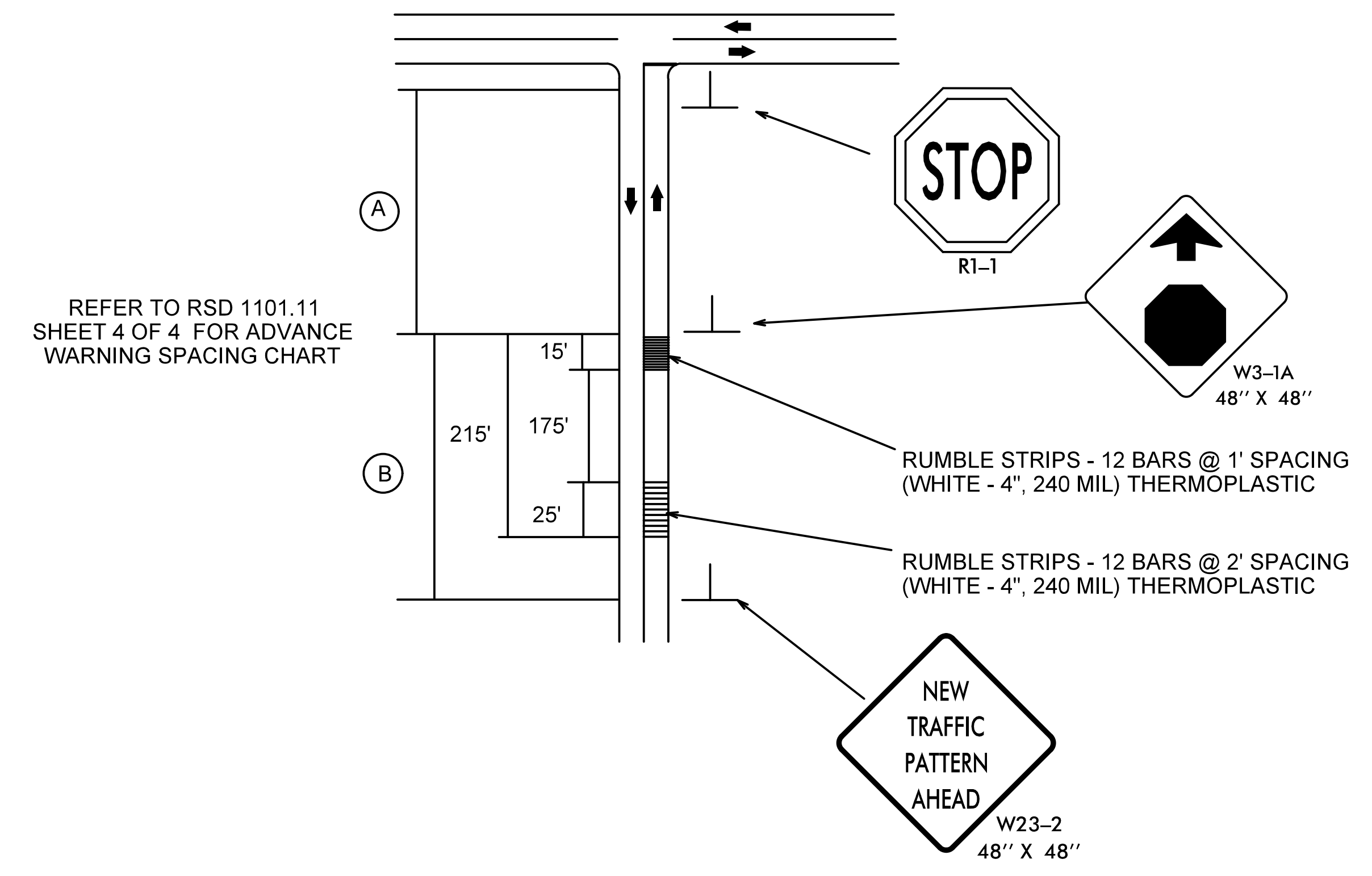
**GENERAL NOTES**



REFER TO RSD 1101.11  
SHEET 4 OF 4 FOR ADVANCE  
WARNING SPACING CHART

TO BE USED AT THE  
FOLLOWING -Y- LINES

-Y- @ -DETOUR- (TMP-23)  
-Y- @ -L- (TMP-36)  
-Y2- (TMP-47)



REFER TO RSD 1101.11  
SHEET 4 OF 4 FOR ADVANCE  
WARNING SPACING CHART

15'  
175'  
25'

RUMBLE STRIPS - 12 BARS @ 1' SPACING  
(WHITE - 4", 240 MIL) THERMOPLASTIC

RUMBLE STRIPS - 12 BARS @ 2' SPACING  
(WHITE - 4", 240 MIL) THERMOPLASTIC

TO BE USED AT THE  
FOLLOWING -Y- LINES

-Y1- AT -DETOUR- (TMP-23)  
-Y1- AT -L- (TMP-36 & TMP-39)  
-Y3- (TMP-51)  
-Y4- (TMP-52)

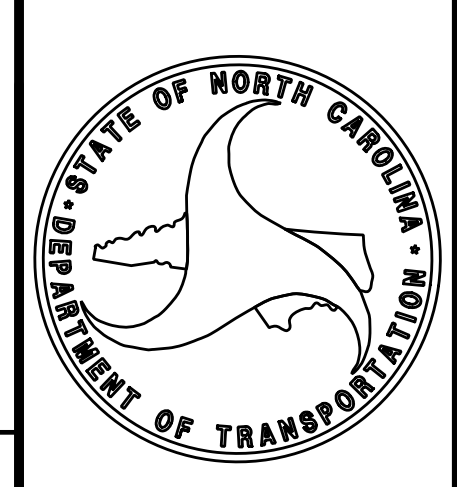
1/23/2018  
R-2501c.tc.02 moved stop signs .dgn  
HNTB

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APPROVED: *Rhonda B. Early*  
F34CAF5AC8BF48A...  
DATE: 1/23/2018

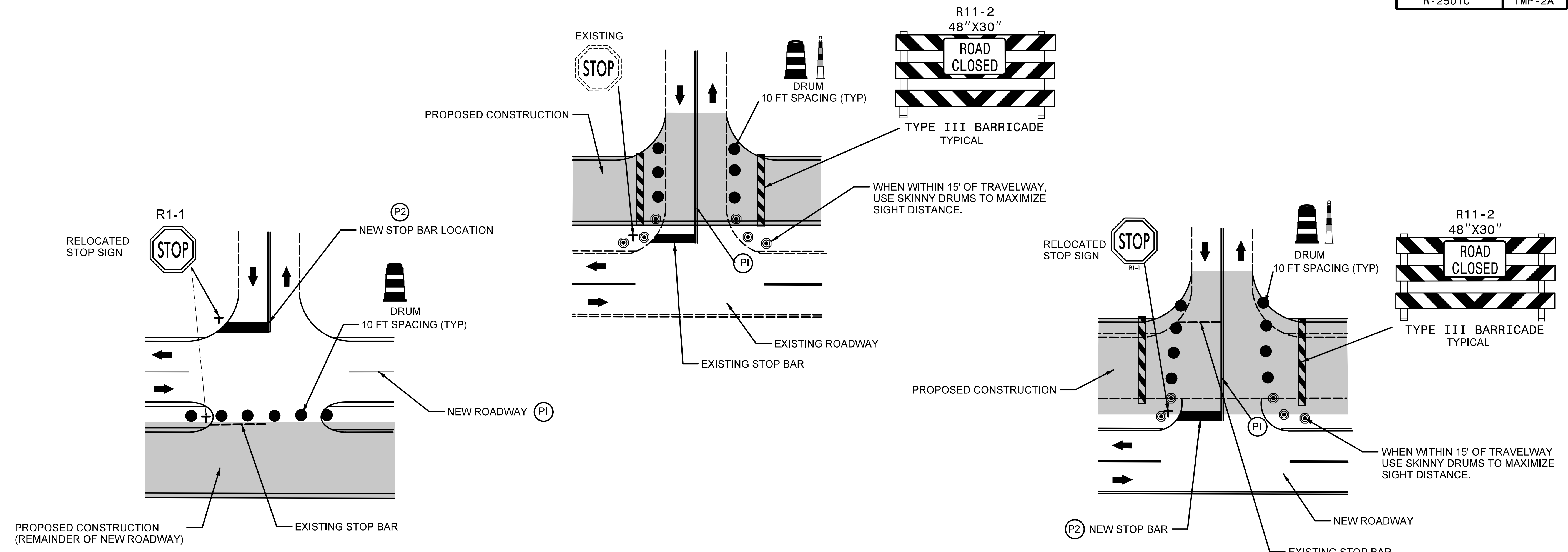
SEAL  
023521  
ENGINEER  
RHONDA B. EARLY

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



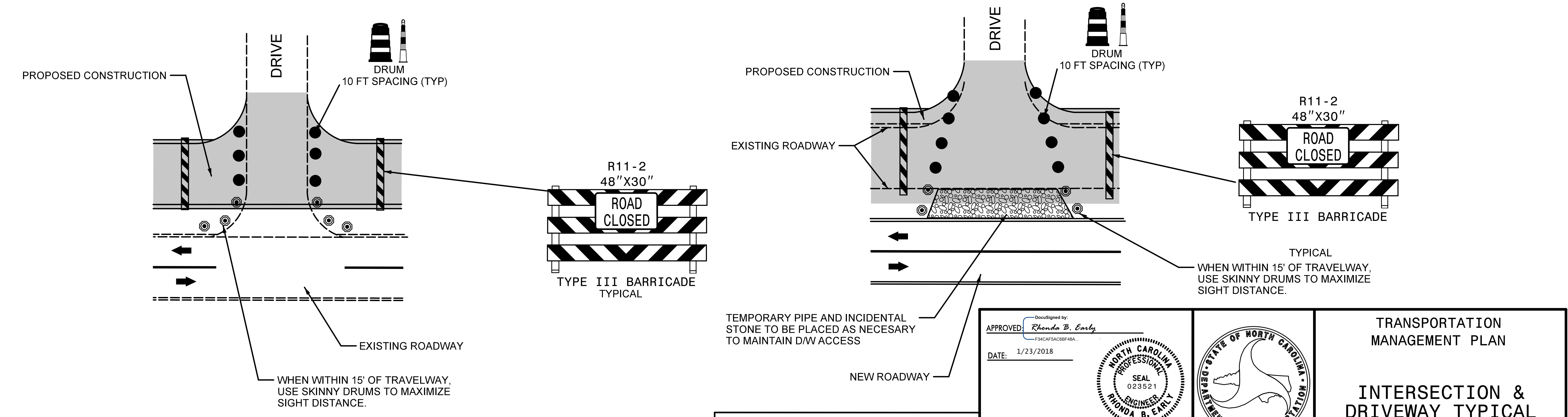
TRANSPORTATION  
MANAGEMENT PLAN

INTERSECTION  
RELOCATION  
DETAILS



### INTERSECTION DETAILS

(SEE SHEET TMP-2 FOR TRAFFIC CONTROL METHODS FOR RELOCATED STOPPING CONDITIONS.)



### DRIVEWAY DETAILS

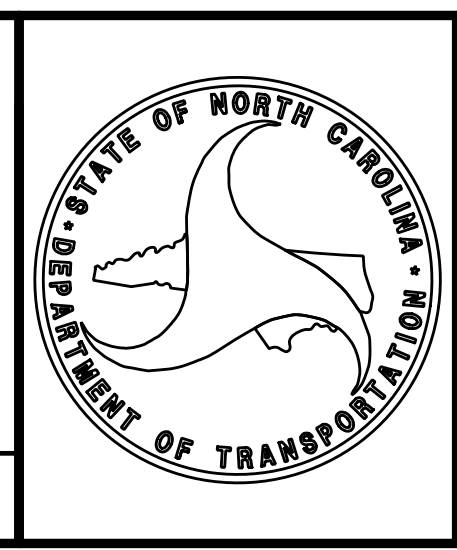
1/23/2018  
R-2501c.tc.02A drives in const.dgn  
HNTB

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DocuSigned by:  
**APPROVED** Rhonda B. Early  
F34CAF5AC8BF48A...  
DATE: 1/23/2018

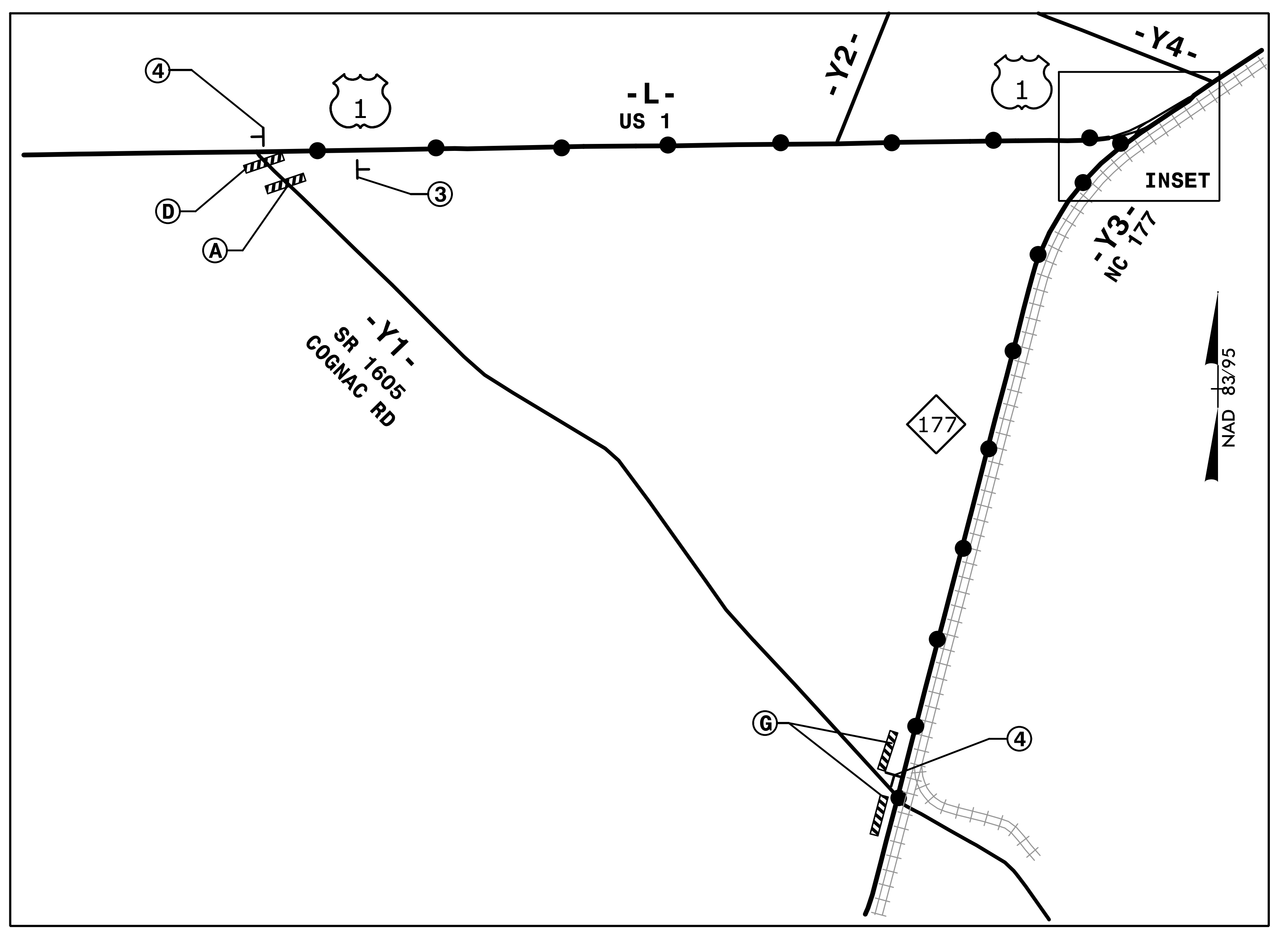
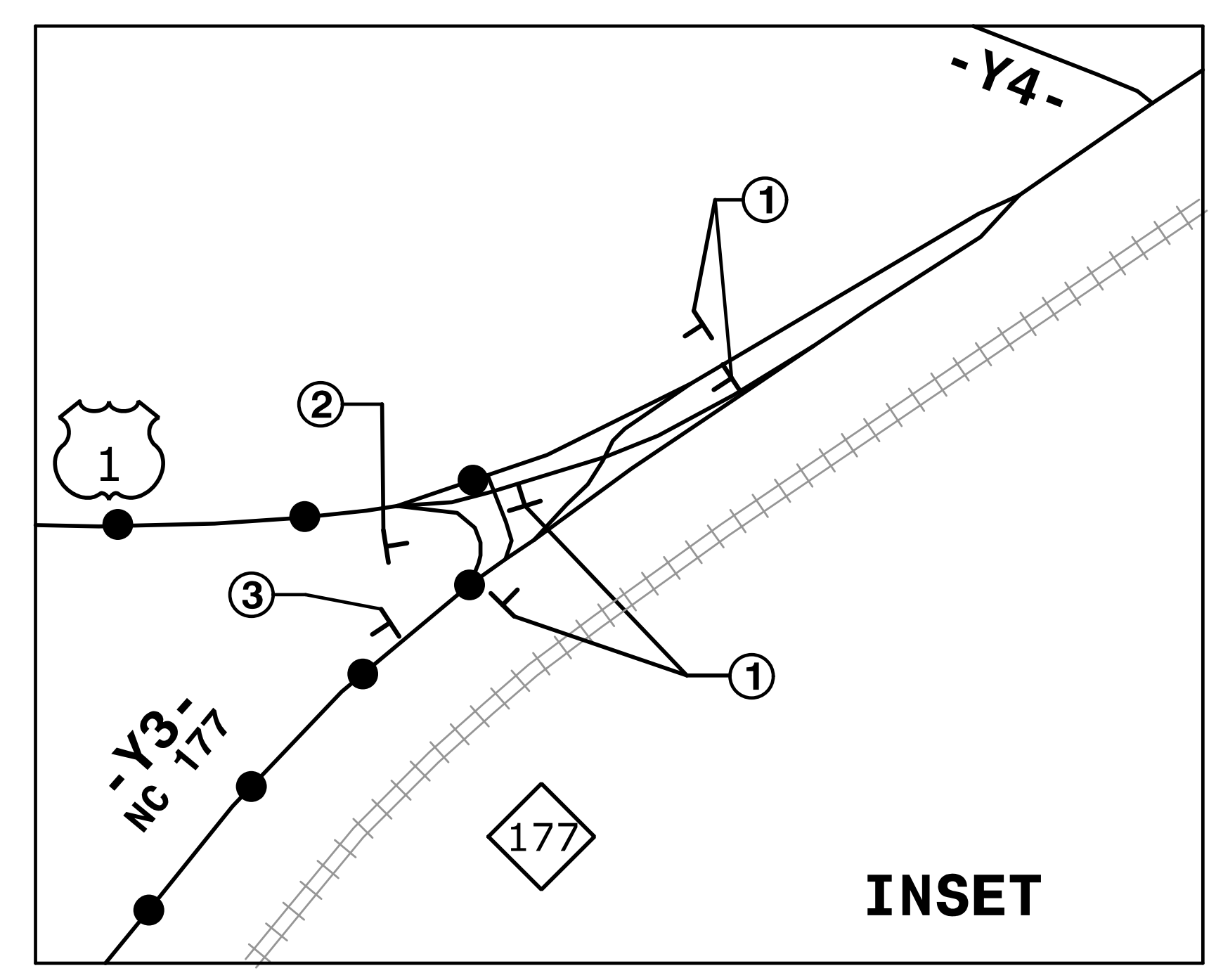
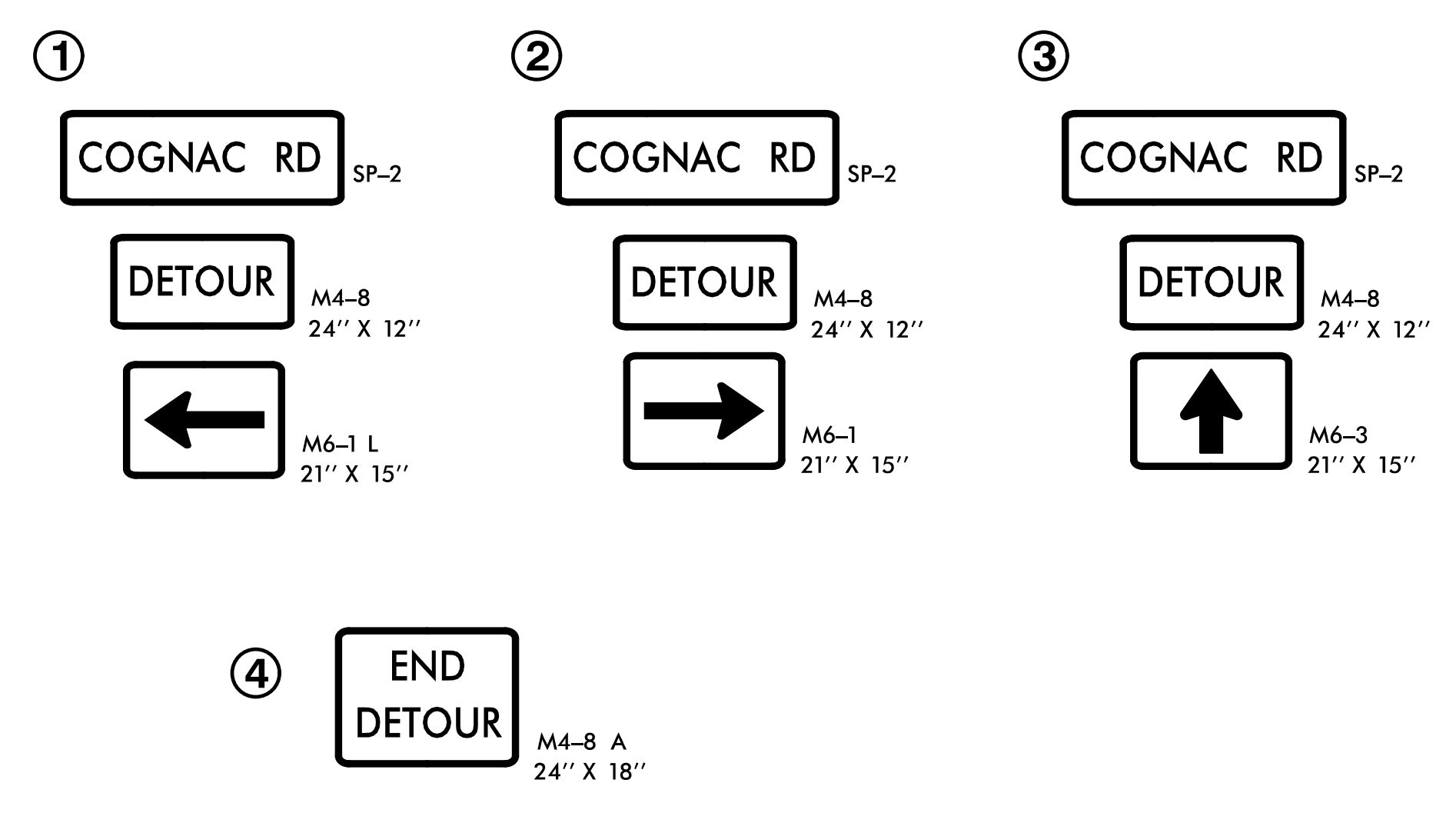
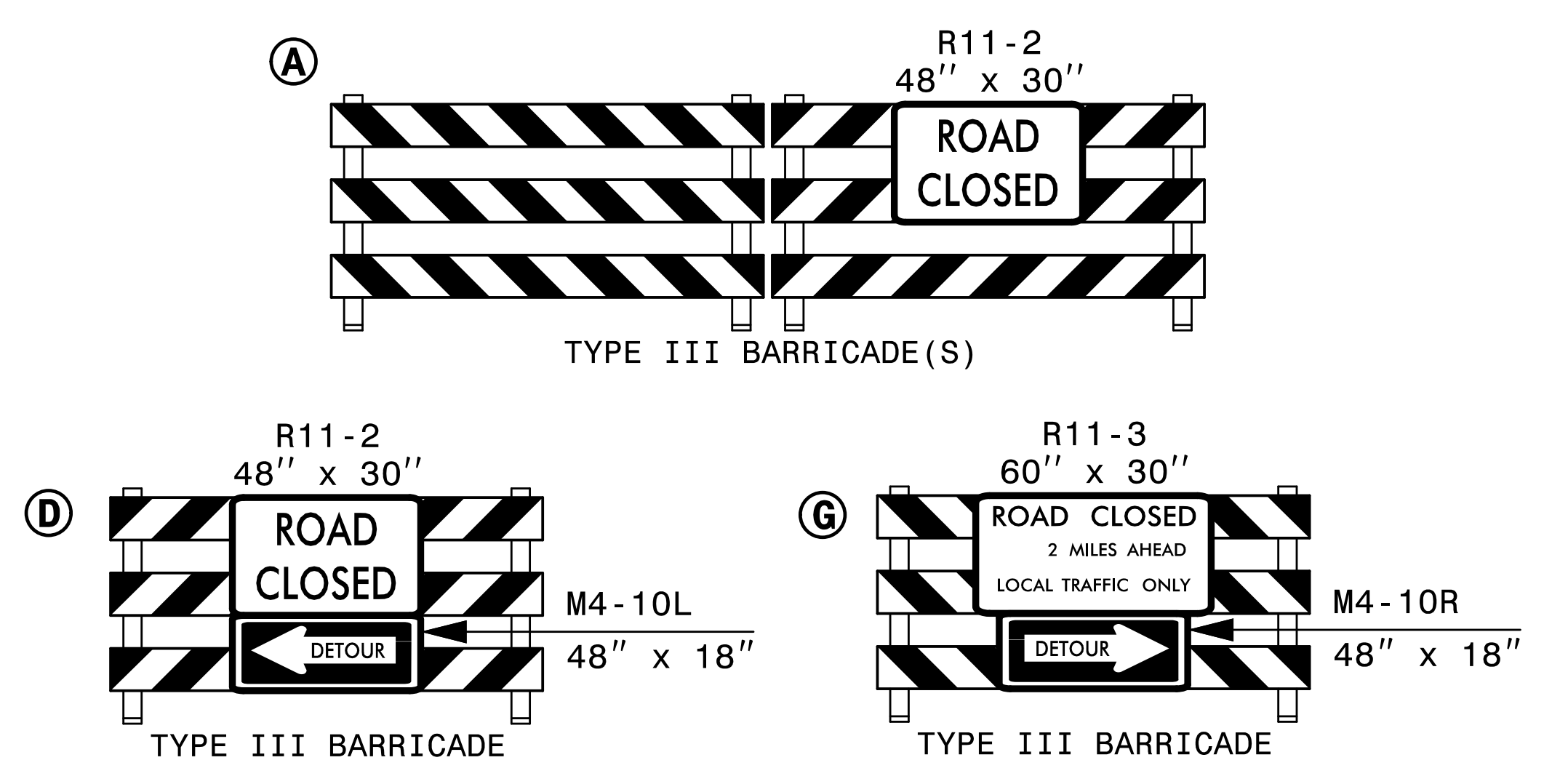
**SEAL**  
NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
RHONDA B. EARLY  
023521

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



TRANSPORTATION  
MANAGEMENT PLAN

**INTERSECTION &  
DRIVEWAY TYPICAL  
DETAILS**



INCLUDE ADDITIONAL SIGNS AS SHOWN IN ROADWAY STANDARD DRAWING 1101.03 (SHEETS 1 & 2 OF 9)

REFER TO SHEET TMP-39

**PROPOSED DETOUR**

DETOUR ROUTE ●—●—●—●

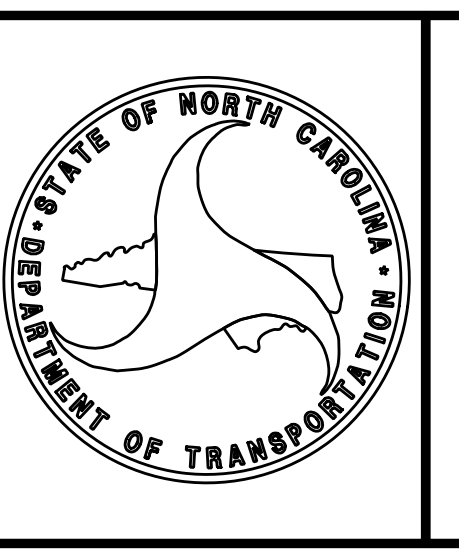
DETOUR LENGTH 3.4 MILES

APPROVED: *Rhonda B. Early*  
F34CAF5AC8BF48A...

DATE: 1/23/2018

**SEAL**  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 023521  
 RHONDA B. EARLY

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**



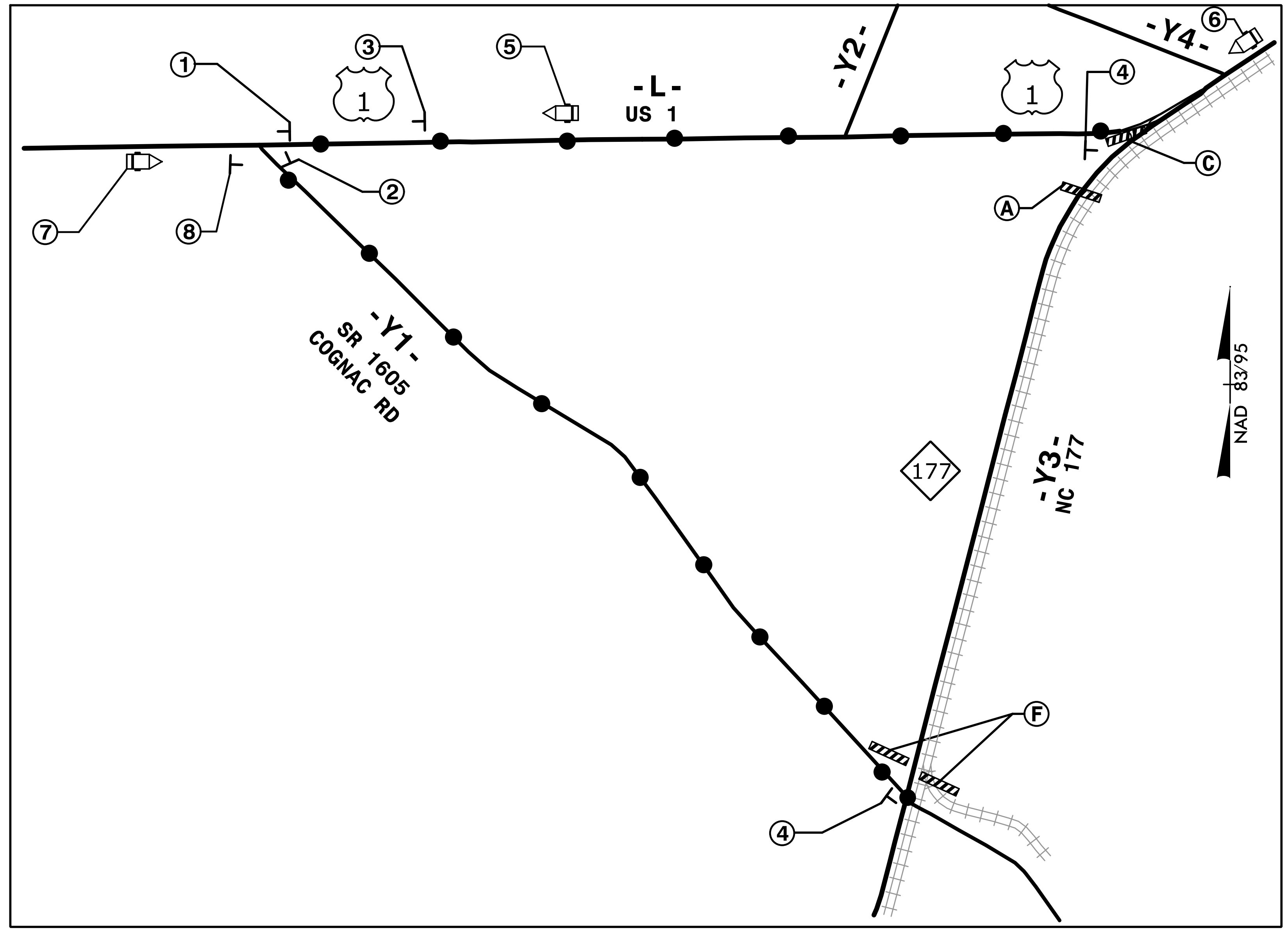
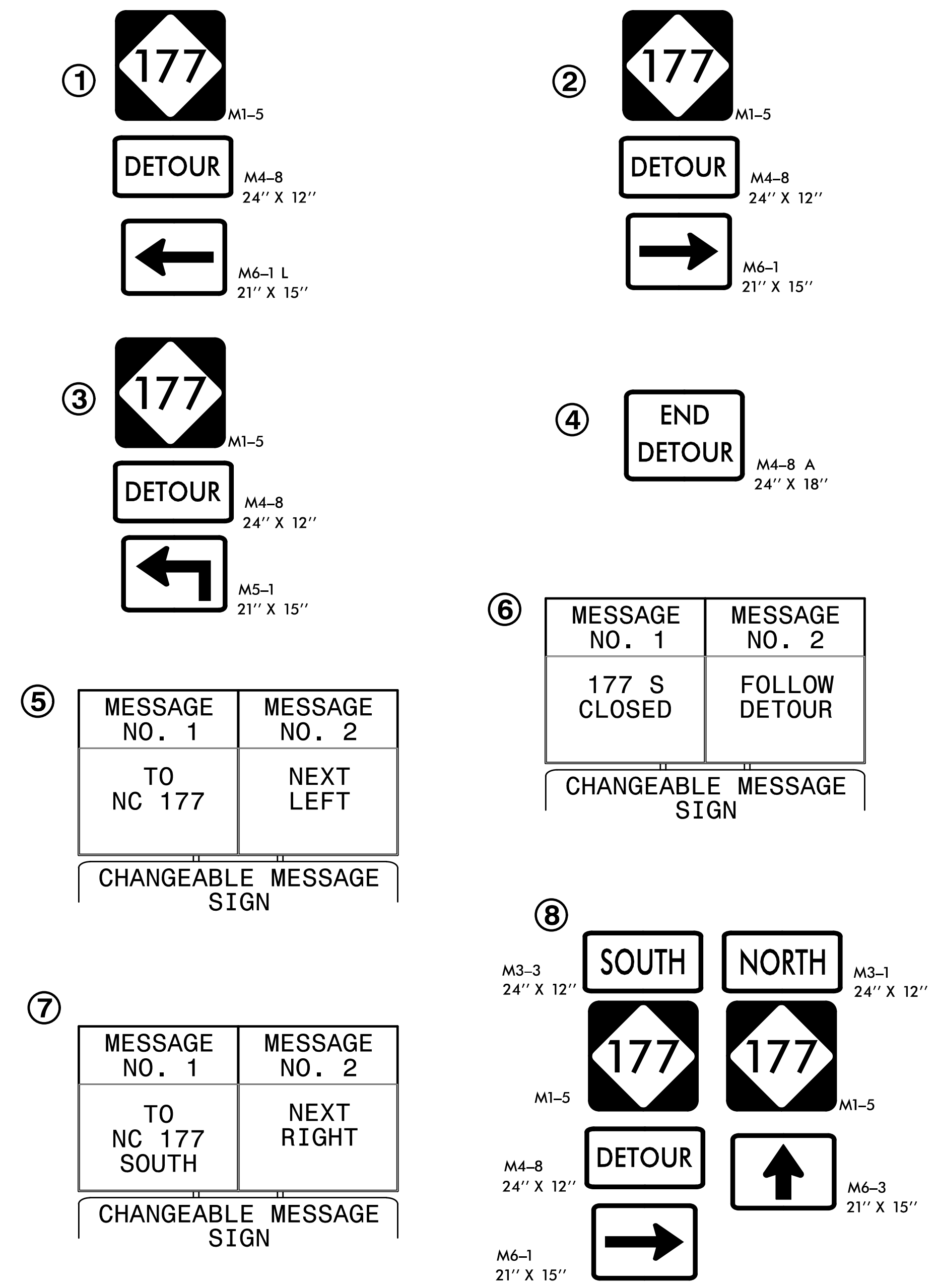
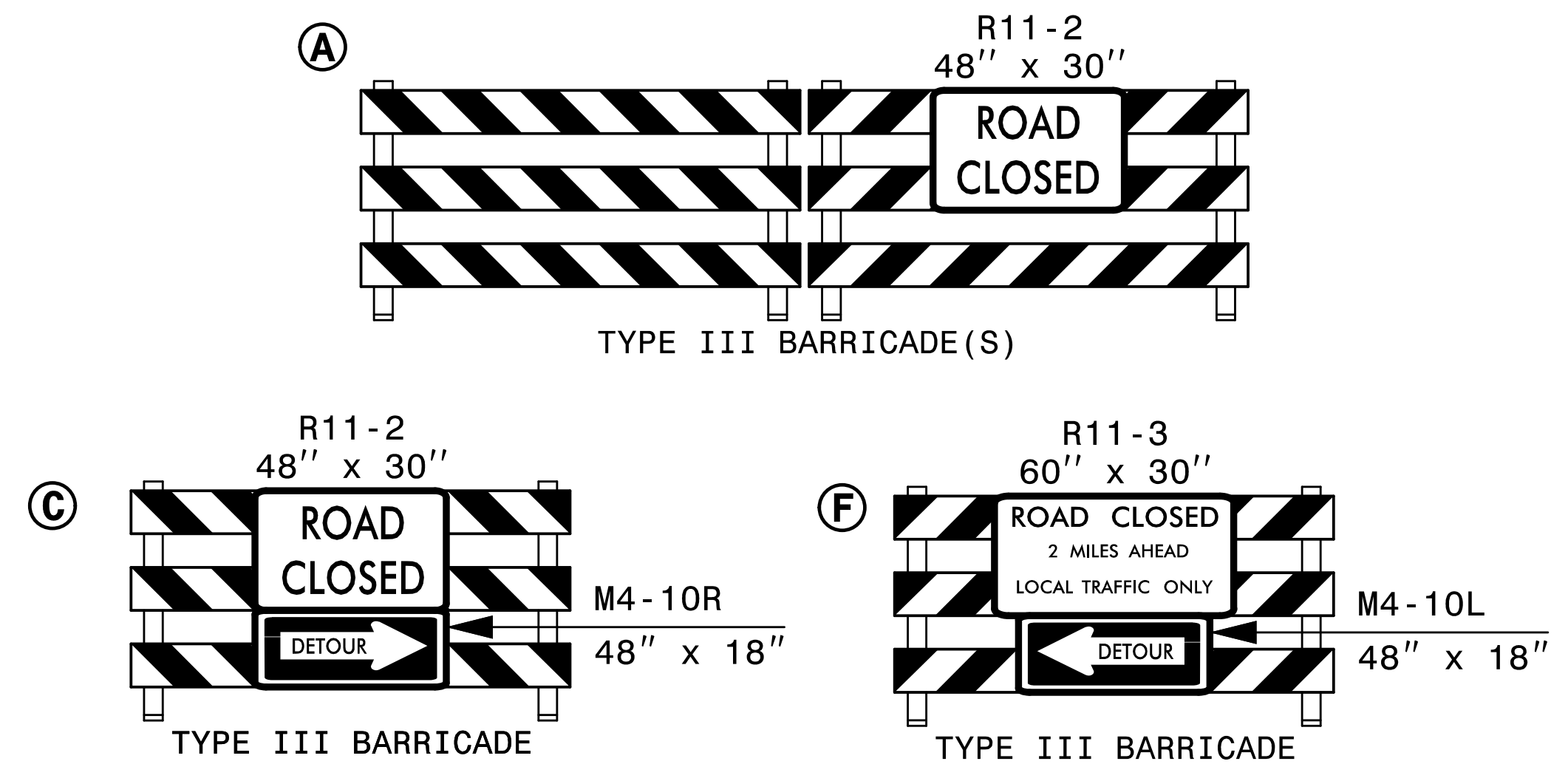
TRANSPORTATION MANAGEMENT PLAN

-Y1- DETOUR

1/23/2018  
 R-2501c.tc.02B\_yldetour.dgn  
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INCLUDE ADDITIONAL SIGNS AS SHOWN IN ROADWAY STANDARD DRAWING 1101.03 (SHEETS 1 & 2 OF 9).

REFER TO SHEET TMP 39

**PROPOSED DETOUR**

DETOUR ROUTE ●—●—●

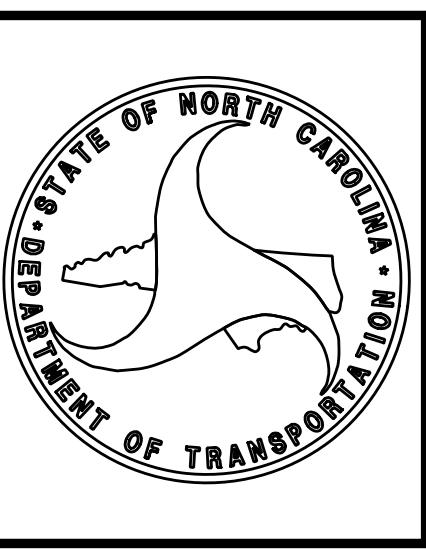
DETOUR LENGTH 3.8 MILES



DocuSigned by:  
APPROVED: Rhonda B. Early  
F34CAF5AC8BF48A...  
DATE: 1/23/2018

**SEAL**  
NORTH CAROLINA PROFESSIONAL ENGINEER  
RHONDA B. EARLY  
023521

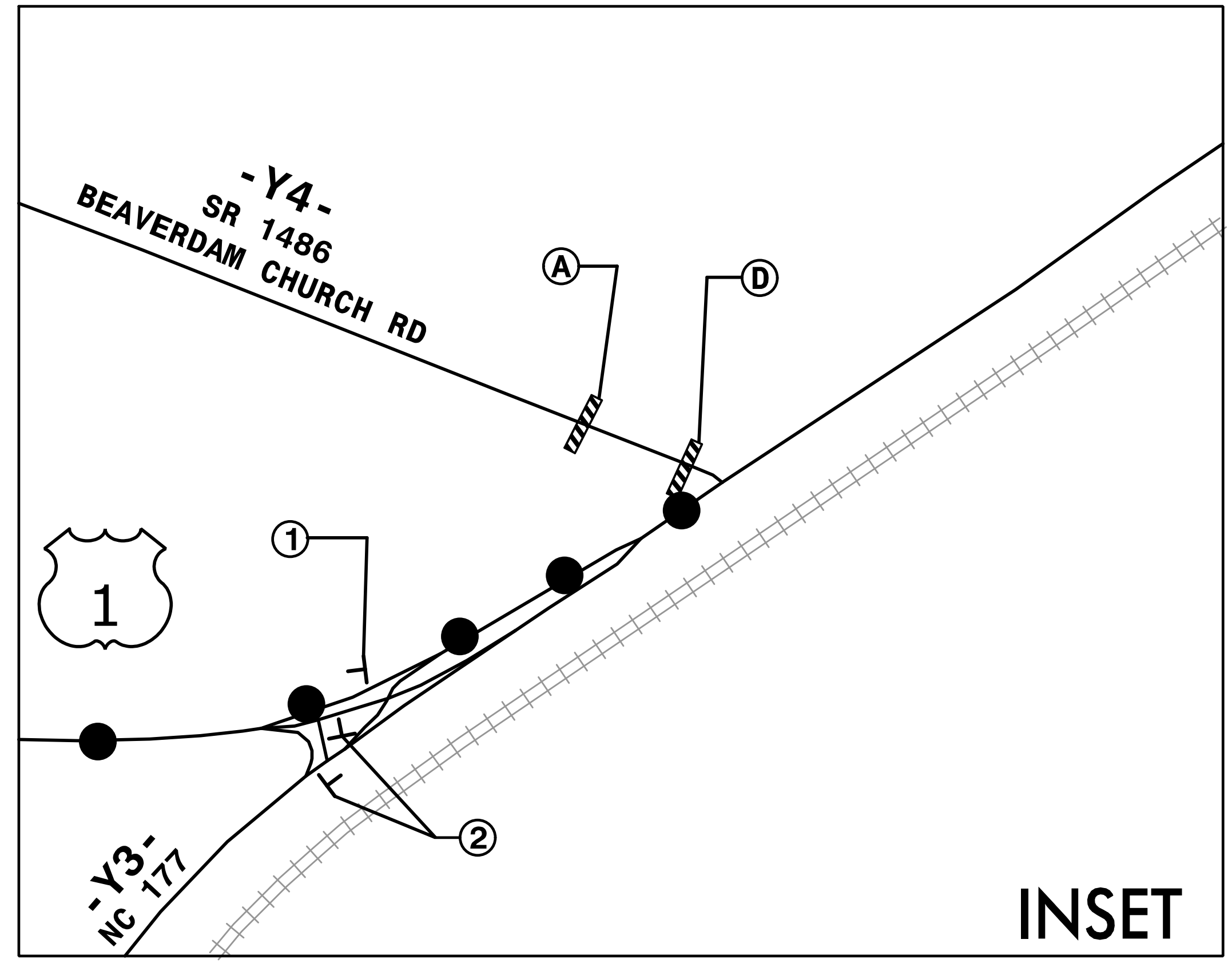
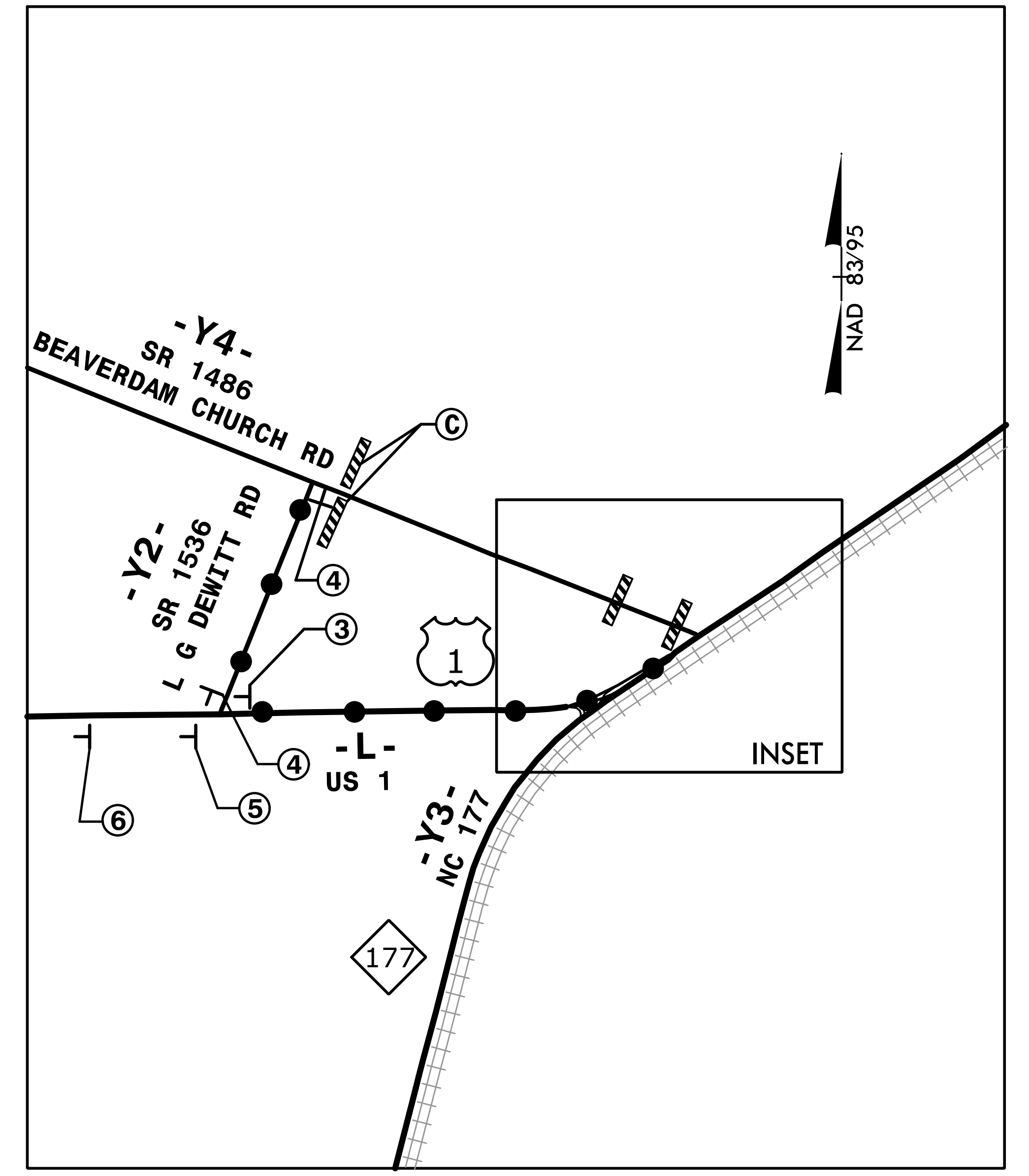
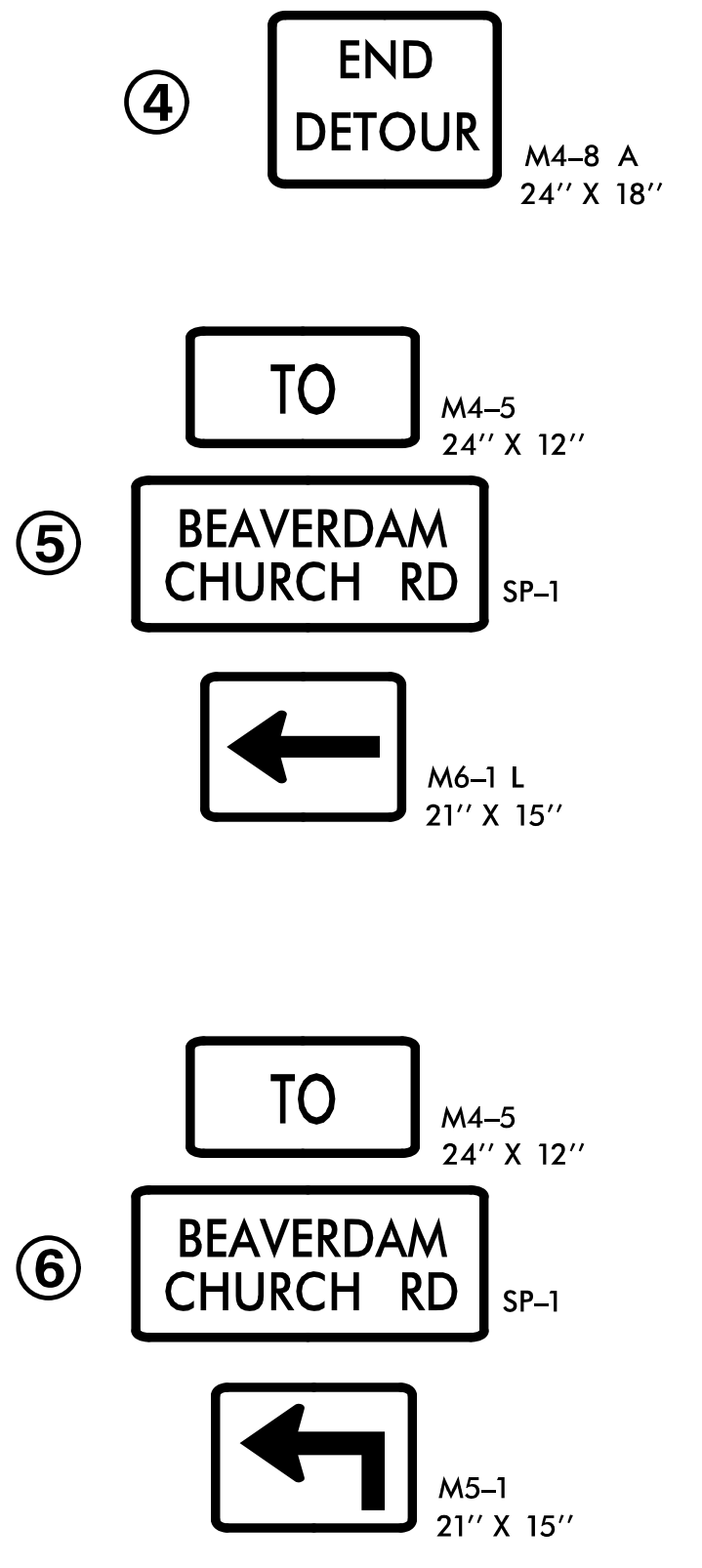
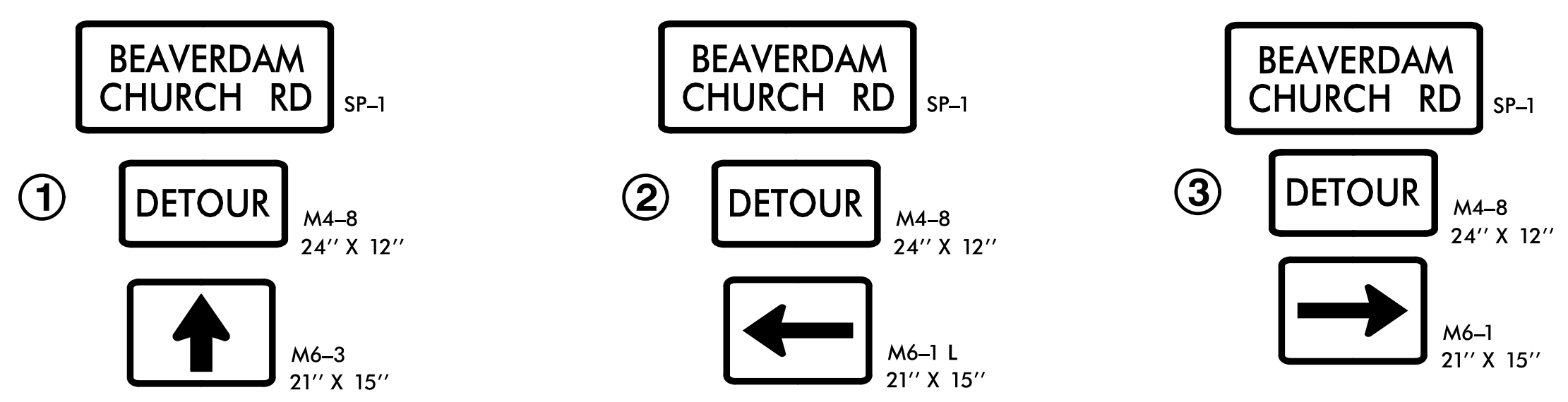
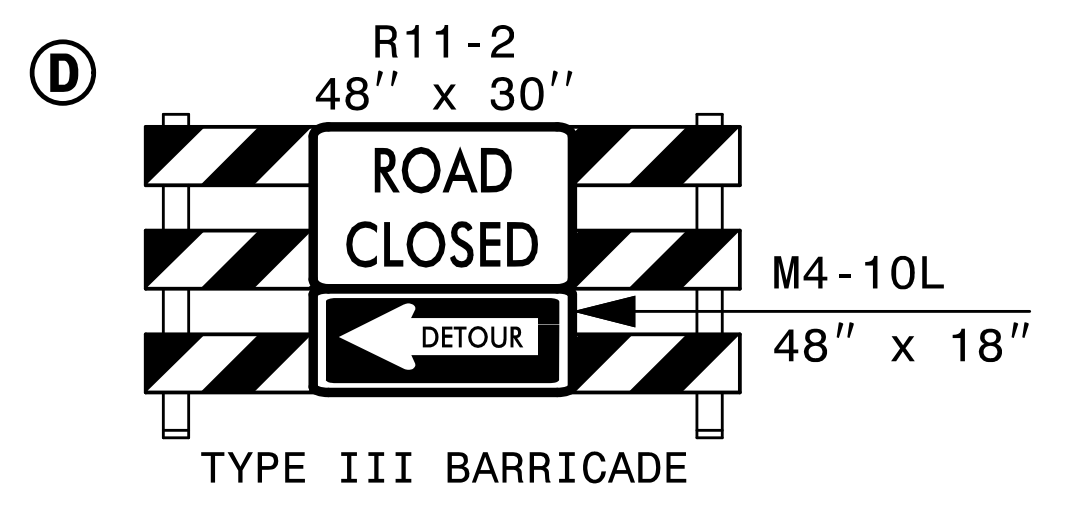
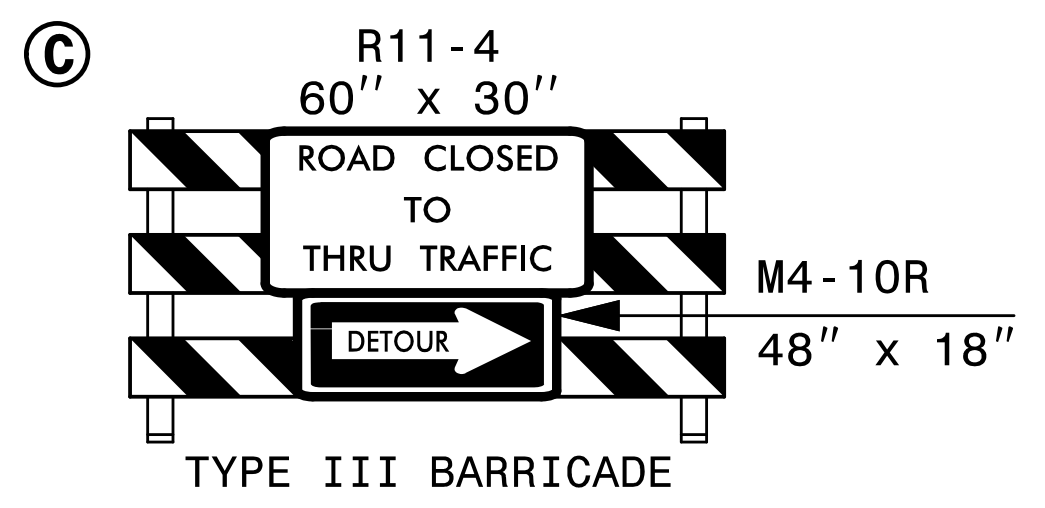
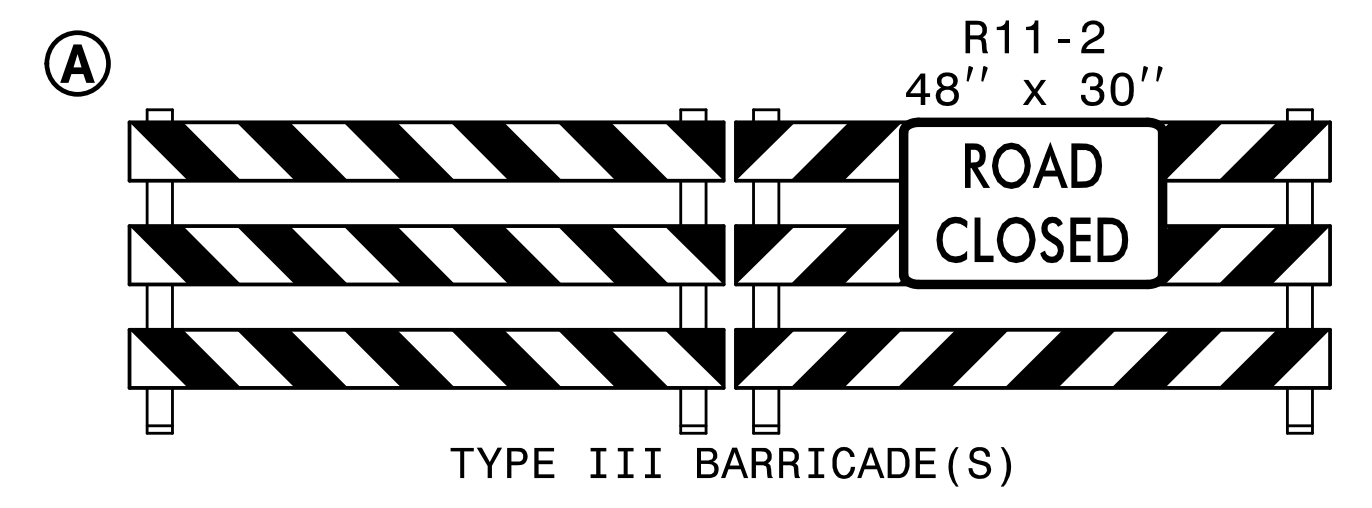
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**



TRANSPORTATION MANAGEMENT PLAN

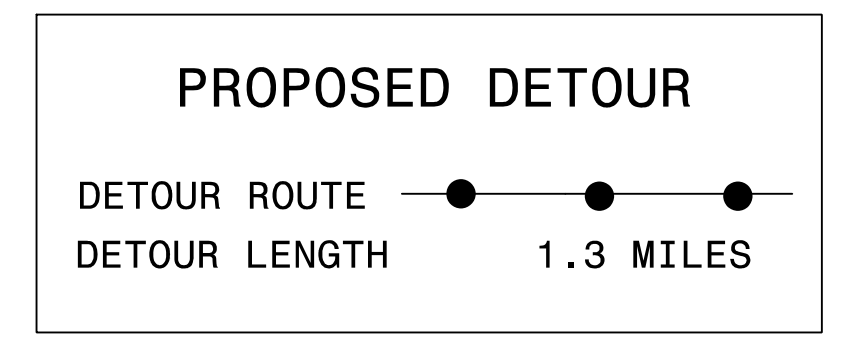
**-Y3- DETOUR**

1/23/2018  
R-2501c\_fc\_02c\_y3detour.dgn  
HNTB



INCLUDE ADDITIONAL SIGNS AS SHOWN IN ROADWAY STANDARD DRAWING 1101.03 (SHEETS 1 & 2 OF 9)

SEE SHEET TMP-40 FOR PHASING DETAIL

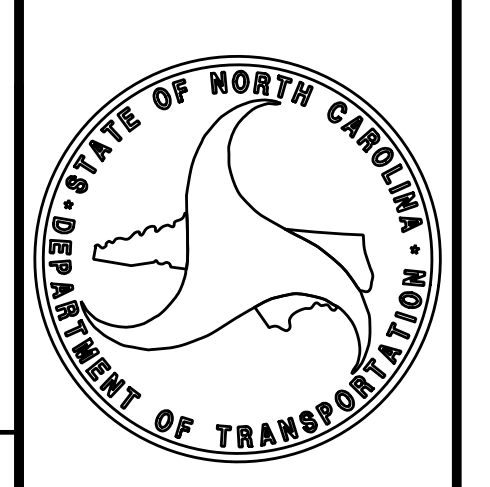


APPROVED: *Rhonda B. Early*  
DATE: 1/23/2018

DocuSigned by:  
F34CAF5AC8BF48A...

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER RYONDA B. EARLY 023521

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



TRANSPORTATION MANAGEMENT PLAN

-Y4- DETOUR

1/23/2018  
R-2501c.tc.02D\_y4detour.dgn  
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Raleigh, North Carolina 27609  
NC License No: C-1554

| SIGN NUMBER: SP-1<br>TYPE: D<br>QUANTITY: X<br>SIGN WIDTH: 4'-6"<br>HEIGHT: 2'-6"<br>TOTAL AREA: 11.3 Sq.Ft.<br>BORDER TYPE: RECESSED<br>RECESS: 0.38"<br>WIDTH: 0.38"<br>RADII: 1.5"<br>NO. Z BARS: N/A<br>LENGTH: N/A | BACKG COLOR: Fluorescent Orange<br>COPY COLOR: Black<br>SYMBOLOGY TABLE:<br><table border="1" style="width: 100%; text-align: center;"> <tr><th>SYMBOL</th><th>X</th><th>Y</th><th>WID</th><th>HT</th></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> MAT'L: 0.125" ALUMINUM | SYMBOL | X   | Y  | WID | HT |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DESIGN BY: TRT<br>PROJECT ID: R-2501C<br>CHECKED BY: ADK<br>DIV: 08<br>DATE: November 2017 |
|---|---|--------|-----|----|-----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| SYMBOL  | X   | Y      | WID | HT |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**BEAVERDAM CHURCH RD**

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

Spacing Factor is 1 unless specified otherwise

| Letter positions                            |     |     |     |     |     |     |     |     |     |     |     |  | Series/Size |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-------------|
| Letter spacings are to start of next letter |     |     |     |     |     |     |     |     |     |     |     |  | Text Length |
|   | B   | E   | A   | V   | E   | R   | D   | A   | M   |     |     |  | C 2000      |
|   | 8   | 4.4 | 3.6 | 4.2 | 4.6 | 4.1 | 4.4 | 4.1 | 4.7 | 4   | 8   |  | 37.9        |
|   | C   | H   | U   | R   | C   | H   | R   | D   |     |     |     |  | C 2000      |
|   | 7.1 | 4.6 | 4.7 | 4.7 | 4.3 | 4.6 | 3.4 | 6   | 4.4 | 3.4 | 7.1 |  | 39.8        |

| SIGN NUMBER: SP-2<br>TYPE: D<br>QUANTITY: X<br>SIGN WIDTH: 4'-6"<br>HEIGHT: 1'-6"<br>TOTAL AREA: 6.8 Sq.Ft.<br>BORDER TYPE: RECESSED<br>RECESS: 0.38"<br>WIDTH: 0.38"<br>RADII: 1.5"<br>NO. Z BARS: N/A<br>LENGTH: N/A | BACKG COLOR: Fluorescent Orange<br>COPY COLOR: Black<br>SYMBOLOGY TABLE:<br><table border="1" style="width: 100%; text-align: center;"> <tr><th>SYMBOL</th><th>X</th><th>Y</th><th>WID</th><th>HT</th></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> MAT'L: 0.125" ALUMINUM | SYMBOL | X   | Y  | WID | HT |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DESIGN BY: TRT<br>PROJECT ID: R-2501C<br>CHECKED BY: ADK<br>DIV: 08<br>DATE: November 2017 |
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| SYMBOL   | X   | Y      | WID | HT |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**COGNAC RD**

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

Spacing Factor is 1 unless specified otherwise

| Letter positions                            |     |     |     |     |     |     |     |   |     |     |     |  | Series/Size |
|---|-----|-----|-----|-----|-----|-----|-----|---|-----|-----|-----|--|-------------|
| Letter spacings are to start of next letter |     |     |     |     |     |     |     |   |     |     |     |  | Text Length |
|   | C   | O   | G   | N   | A   | C   | R   | D |     |     |     |  | C 2000      |
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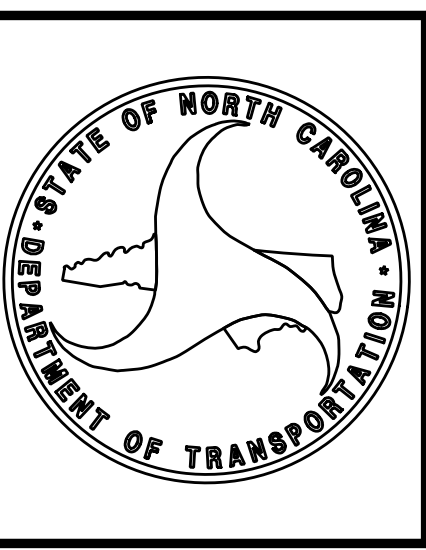
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TRANSPORTATION  
MANAGEMENT PLAN

SIGN DESIGNS

# PHASING

|                     |           |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-2501C             | TMP-3     |

**NOTES:**

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.

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

COMPLETE ANY PROPOSED WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE. THIS MAY REQUIRE A COMBINATION OF INSTALLATION OF PROPOSED PIPES, TEMPORARY PIPES, AND TEMPORARY MEDIAN AND OUTSIDE DITCHES.

PAVE PROPOSED CONSTRUCTION, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, IN ALL PHASES UNTIL STATED TO INSTALL FINAL LAYER IN THE PHASING.

THE TERM RSD DENOTES ROADWAY STANDARD DRAWING.

**PHASE I** (SEE OVERVIEWS SHEET TMP-4 AND 5)

\*\*\* REFER TO SHEETS TMP-6 THRU TMP-17 FOR DETAILS \*\*\*

STEP 1: AWAY FROM TRAFFIC BEGIN CONSTRUCTION OF THE FOLLOWING:

- \* -L- FROM STA 1137+40+/- TO STA 1160+00+/- (LT) (LN-2)
- \* -L- FROM STA 1260+00+/- TO STA 1284+33+/- (LT) (LN-2)
- \* -L- FROM STA 1286+50+/- TO STA 1289+00+/- (LT) (LN-2)
- \* -Y3- FROM -L- TO STA 11+00+/-
- \* -RP D- FROM STA 11+45+/- TO STA 14+33+/-

USING RSD 1101.02 (SHEETS 1 & 2 OF 14) AS NEEDED, BEGIN WEDGING AND WIDENING OF THE FOLLOWING:

- \* -L- FROM STA 1184+00+/- TO STA 1186+00+/- (INCLUDING WIDENING FROM STA 1185+50+/- RT TO STA 1186+00+/- RT)
- \* -L- FROM STA 1186+00+/- TO STA 1262+58+/- AND -Y2- FROM -L- TO STA 12+25+/- (INCLUDING WIDENING FROM 1186+00+/- RT TO STA 1259+00+/- RT) (LN-1)
- \* -L- FROM STA 1289+00+/- TO STA 1329+67+/- (INCLUDING WIDENING TO THE LEFT)

STEP 2: AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING (TEMPORARY PAVEMENT):

- \* -DETOUR- FROM STA 12+00+/- TO STA 16+50+/-
- \* -DETOUR- FROM STA 17+50+/- TO STA 25+25+/-
- \* -DETOUR- FROM STA 27+00+/- TO STA 33+00+/-

USING RSD 1101.02 (SHEETS 1 &/OR 2 OF 14) AS NEEDED, CONSTRUCT THE FOLLOWING:

- \* -DETOUR- FROM STA 10+70+/- TO STA 12+00+/- (TIE TO EXISTING)
- \* -DETOUR- FROM STA 16+50+/- TO STA 17+50+/- INCLUDING TEMPORARY TIE FROM -L- TO -Y- STA 11+39+/- (LN-1)
- \* -DETOUR- FROM STA 25+25+/- TO STA 27+00+/- INCLUDING TEMPORARY TIE FROM -L- TO -Y1- STA 12+03+/- (LN-1)
- \* -DETOUR- FROM STA 33+00+/- TO STA 34+43+/- (TIE TO EXISTING)

STEP 3: COMPLETE THE FOLLOWING WORK BEGUN IN PHASE I, STEP 1:

- \* -L- FROM STA 1184+00+/- TO STA 1186+00+/- (INCLUDING WIDENING FROM STA 1185+50+/- RT TO STA 1186+00+/- RT)

STEP 4: PLACE TEMPORARY PAVEMENT MARKING ON -L-, -Y-, -Y1- & -DETOUR-, AS SHOWN ON SHEETS TMP-21 THRU TMP-24, AND SHIFT -L- TO -DETOUR-.

**PHASE II** (SEE OVERVIEWS SHEET TMP-19 AND 20)

\*\*\* REFER TO SHEETS TMP-21 & TMP-30 FOR DETAILS \*\*\*

STEP 1: AWAY FROM TRAFFIC BEGIN CONSTRUCTION OF THE FOLLOWING:

- \* -L- FROM STA 1160+00+/- TO STA 1163+50+/- (LT)
- \* -L- FROM STA 1163+50+/- TO STA 1167+30+/- (LT & PART OF RT) (LN-2, LN-3)
- \* -L- FROM STA 1167+30+/- TO STA 1168+50+/- (LEFTMOST 26')
- \* -L- FROM STA 1168+50+/- TO STA 1176+30+/- (LEFTMOST 47.5')
- \* -L- FROM STA 1176+30+/- TO STA 1182+50+/- (LT)

STEP 2: COMPLETE THE FOLLOWING WORK BEGUN IN PHASE I, STEP 1.

- \* -L- FROM STA 1137+40+/- TO STA 1160+00+/- (LT)

STEP 3: USING RSD 1101.02 (SHEET 1 OF 14), WEDGE AND WIDEN THE FOLLOWING:

- \* -L- FROM STA 1132+30+/- TO STA 1144+50+/- (LT & EBL)
- \* -L- FROM STA 1140+50+/- TO STA 1144+50+/- (RT)
- \* -L- FROM STA 1182+50+/- TO STA 1184+00+/- (LT)

USING RSD 1101.02 (SHEET 1 OF 14) AS NEEDED, CONSTRUCT TEMPORARY PAVEMENT IN THE FOLLOWING LOCATIONS:

- \* -Y- TEMPORARY ACCESS FROM -L- TO -DETOUR-
- \* -Y1- TEMPORARY ACCESS FROM -L- TO -DETOUR- (REMOVE EXISTING ACCESS)

**PHASE II (CONT.)** (SEE OVERVIEWS SHEET TMP-19 AND 20)

STEP 4: COMPLETE THE REMAINING WORK BEGUN IN PHASE II, STEP 1.

- \* -L- FROM STA 1160+00+/- TO STA 1163+50+/- (LT)
- \* -L- FROM STA 1163+50+/- TO STA 1167+30+/- (LT & PART OF RT) (LN-3)
- \* -L- FROM STA 1167+30+/- TO STA 1168+50+/- (LEFTMOST 26')
- \* -L- FROM STA 1168+50+/- TO STA 1176+30+/- (LT) (LN-3)
- \* -L- FROM STA 1176+30+/- TO STA 1182+50+/- (LT)

STEP 5: PLACE TEMPORARY PAVEMENT MARKING ON -L- FROM STA 1132+30+/- TO STA 1186+61+/-, -Y- & -Y1-, AS SHOWN IN SHEETS TMP-34 THRU TMP-37, AND SHIFT TRAFFIC TO NEW PATTERN.

**PHASE III** (SEE OVERVIEW SHEET TMP-32 AND TMP-33)

\*\*\* REFER TO SHEETS TMP-34 THRU TMP-37 FOR DETAILS \*\*\*

STEP 1: AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING:

- \* -L- FROM STA 1143+71+/- TO STA 1167+60+/- (RT)
- \* -L- FROM STA 1168+25+/- TO STA 1176+30+/- (RT)
- \* -L- FROM STA 1177+30+/- TO STA 1184+00+/- (RT)

STEP 2: USING RSD 1101.02 (SHEET 1 OF 14) AS NEEDED, REMOVE -DETOUR- AND BEGIN CONSTRUCTION OF -L- FROM STA 1184+00+/- TO STA 1185+50+/- (RT).

STEP 3: USING RSD 1101.02 (SHEET 1 OF 14), CONSTRUCT -Y- FROM -L- TO STA 11+75+/- AND -L- (RT) FROM STA 1167+60+/- TO STA 1168+25+/- (NOTE: THIS CONSISTS OF REMOVING AND REPAVING A DEAD END ROAD; THEREFORE, TRAFFIC WILL BE MAINTAINED ON INTERIM GRADING AND PAVING LEVELS AS NEEDED.) REFER TO SHEET TMP-39 FOR TEMPORARY PAVEMENT MARKING. (LN-1)

STEP 4: COMPLETE THE REMAINING WORK BEGUN IN PHASE I, STEP 1 AND PHASE III, STEPS 1 AND 2.

- \* -L- FROM STA 1260+00+/- TO STA 1284+33+/- (LT)
- \* -L- FROM STA 1286+50+/- TO STA 1289+00+/- (LT)
- \* -Y3- FROM -L- TO STA 11+00+/-
- \* -RP D- FROM STA 11+45+/- TO STA 14+33+/-
- \* -L- FROM STA 1186+00+/- TO STA 1262+58+/- AND -Y2- FROM -L- TO STA 12+25+/- (INCLUDING WIDENING FROM 1186+00+/- TO STA 1259+00+/- RT) (LN-3)
- \* -L- FROM STA 1289+00+/- TO STA 1329+67+/- (INCLUDING WIDENING TO THE LEFT)
- \* -L- FROM STA 1143+71+/- TO STA 1167+60+/- (RT)
- \* -L- FROM STA 1168+25+/- TO STA 1176+30+/- (RT)
- \* -L- FROM STA 1177+30+/- TO STA 1185+50+/- (RT)

STEP 5: PLACE TEMPORARY PAVEMENT MARKING AS SHOWN ON TMP-43 THRU TMP-53 AS MUCH AS POSSIBLE WITHOUT INTERFERRING WITH CURRENT TRAFFIC PATTERNS.

INSTALL AND COVER TEMPORARY DETOUR SIGNS AS SHOWN ON SHEETS TMP-2B, TMP-2C AND TMP-2D.

COMPLETE THE REQUIREMENTS OF PHASE III, STEP 6 IN 14 CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 6: COMPLETE STEPS 6A THRU 6C.

STEP 6A: UNCOVER DETOUR SIGNS, CLOSE -Y1- (COGNAC RD) USING RSD 1101.03 (SHEETS 1 & 3 OF 9), AND DETOUR -Y1- AS SHOWN ON TMP-2B; THEN COMPLETE -Y1- FROM -L- TO STA 13+50+/- (SEE SHEET TMP-39.)

STEP 6B: USING RSD 1101.02 (SHEET 1 OF 14) AS NEEDED TO PROVIDE DRIVEWAY ACCESS, CONSTRUCT -Y1- FROM -L- TO STA 13+50 AND -L- (RT) FROM STA 1176+30+/- TO STA 1177+30+/- (SEE SHEET TMP-39.)

STEP 6C: REPLACE TEMPORARY PAVEMENT MARKINGS ON -Y1- AND OPEN -Y1- TO TRAFFIC. (COVER AND REMOVE DETOUR SIGNS.)

**PHASE III (CONT.)** (SEE OVERVIEW SHEET TMP-32 AND TMP-33)

\*\*\* REFER TO SHEETS TMP-34 THRU TMP-37 FOR DETAILS \*\*\*

COMPLETE THE REQUIREMENTS OF PHASE III, STEP 7 THRU PHASE IV, STEP 1 IN 14 CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 7: COMPLETE STEPS 7A THRU 7C.

STEP 7A: UNCOVER DETOUR SIGNS, CLOSE -Y4- (BEAVER DAM CHURCH RD) USING RSD 1101.03 (SHEET 1 & 3 OF 9), AND DETOUR -Y4- AS SHOWN ON TMP-2D AND TMP-40.

STEP 7B: AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING:

- \* -Y4- FROM -L- TO STA 13+00+/-
- \* -L- (LT) FROM STA 1284+33+/- TO STA 1286+50+/-

STEP 7C: WORKING IN A CONTINUOUS MANNER WITHOUT CEASING, PLACE TEMPORARY PAVEMENT MARKINGS ON -Y-, -Y1-, -Y4- AND ALL REMAINING SECTIONS OF -L- AS SHOWN ON TMP-43 THRU TMP-55, SHIFT TRAFFIC TO NEW PATTERN AND OPEN -Y4- TO TRAFFIC. (COVER & REMOVE DETOUR SIGNS.)

**PHASE IV** (SEE OVERVIEW SHEET TMP-41 AND TMP-42)

\*\*\* REFER TO SHEETS TMP-43 THRU TMP-55 FOR DETAILS \*\*\*

STEP 1: COMPLETE STEPS 1A THRU 1C. (LN-4)

STEP 1A: UNCOVER DETOUR SIGNS, CLOSE -Y3- (NC 177) USING RSD 1101.03 (SHEET 1 & 3 OF 9), AND DETOUR -Y3- AS SHOWN ON TMP-2C AND TMP-50.

STEP 1B: AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING:

- \* -Y3- FROM STA 11+00+/- TO STA 14+00+/-
- \* -RP D- FROM -Y3- TO STA 11+45+/-

USING RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS AS NEEDED, CONSTRUCT -Y3- FROM STA 14+00+/- TO STA 16+70+/-.

STEP 1C: PLACE TEMPORARY PAVEMENT MARKINGS ON -Y3- AND -L- AS SHOWN ON TMP-51 AND OPEN -Y3- TO TRAFFIC. (COVER & REMOVE DETOUR SIGNS.)

STEP 2: USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLETE REMAINING INSIDE LANES AND MEDIAN CONSTRUCTION FROM -L- STA 1144+40+/- TO STA 1166+84+/-.

AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING

- \* -L- (RT) FROM STA 1260+00+/- TO STA 1266+00+/-
- \* -L- (RT) FROM STA 1278+00+/- TO STA 1289+00+/-
- \* REMOVE ABANDONED US 1 ROADBED (-L- STA 1260+00+/- TO STA 1289+00+/-)

STEP 3: USING RSD 1101.02 (SHEETS 1 & 3 OF 14) AS NEEDED, CONSTRUCT ISLANDS, PLACE FINAL LAYER OF SURFACE COURSE, FINAL PAVEMENT MARKINGS AND FINAL PAVEMENT MARKERS ON ALL ROADS (REFER TO FINAL PAVEMENT MARKING PLANS).

**LOCAL NOTES**

LN-1 TEMPORARY TRANSITION GRADE WILL BE NEEDED TO PROVIDE SMOOTH TIE FROM PROPOSED/TEMPORARY GRADE TO EXISTING CONDITIONS.

LN-2 WIDTH OF PROPOSED CONSTRUCTION VARIES; REFER TO DETAILS.

LN-3 WORK BEGUN IN EBL IS NOT REQUIRED TO BE COMPLETED UNTIL PHASE IV, STEP 2.

LN-4 MAINTAIN A CLEAR AND OBVIOUS ACCESS TO BUSINESSES DURING OFF-SITE DETOUR.

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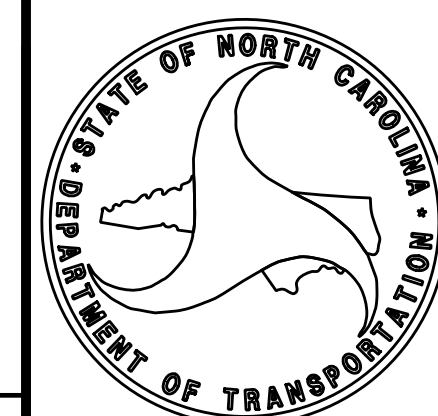
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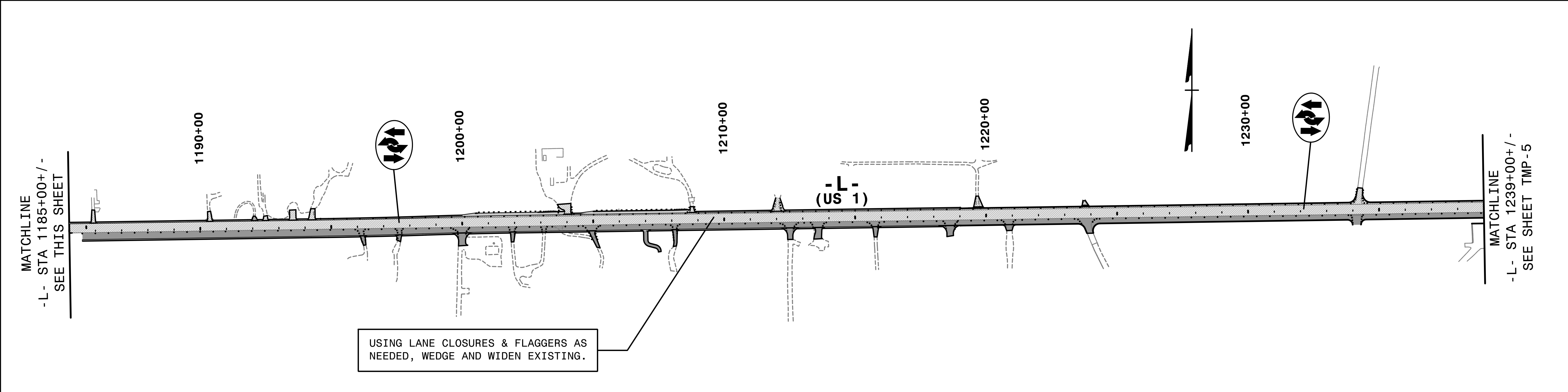
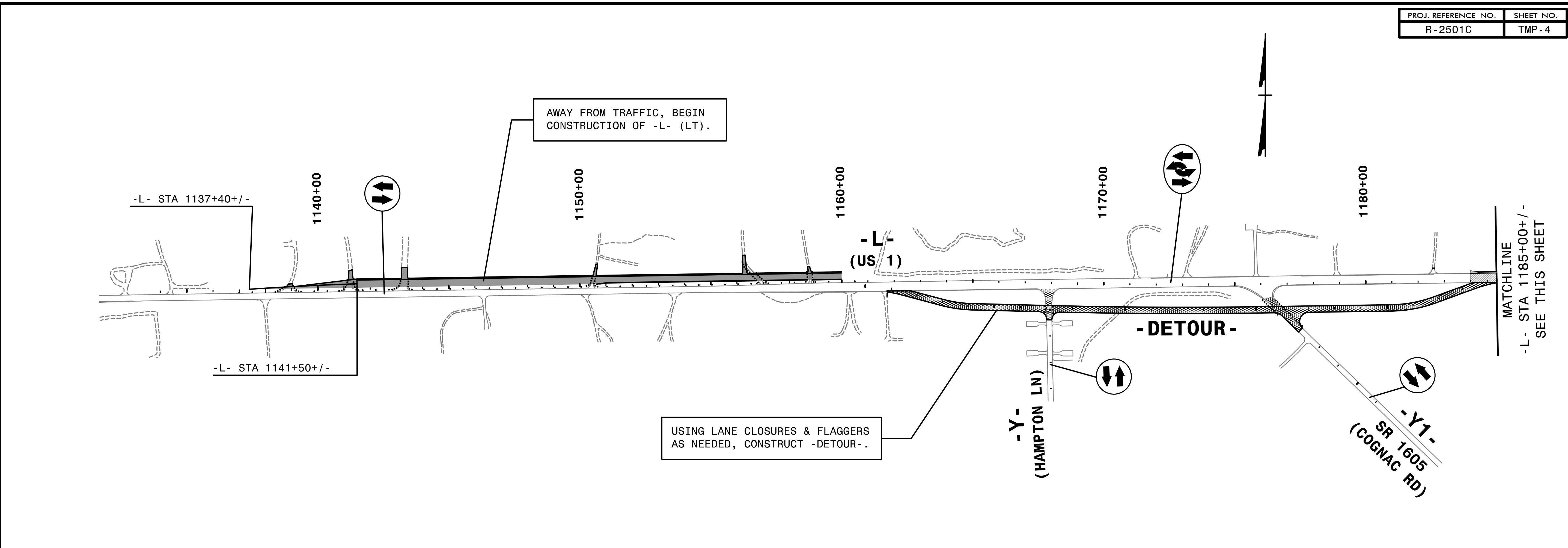
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TRANSPORTATION  
MANAGEMENT PLAN

PHASING &  
LOCAL NOTES



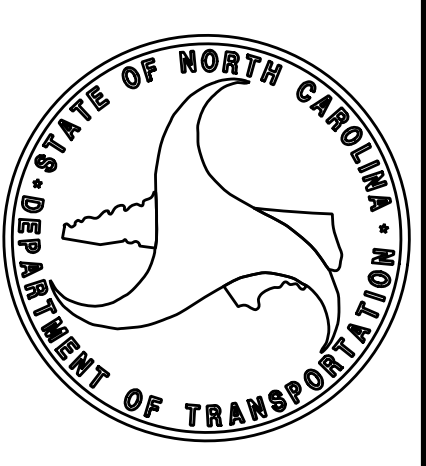
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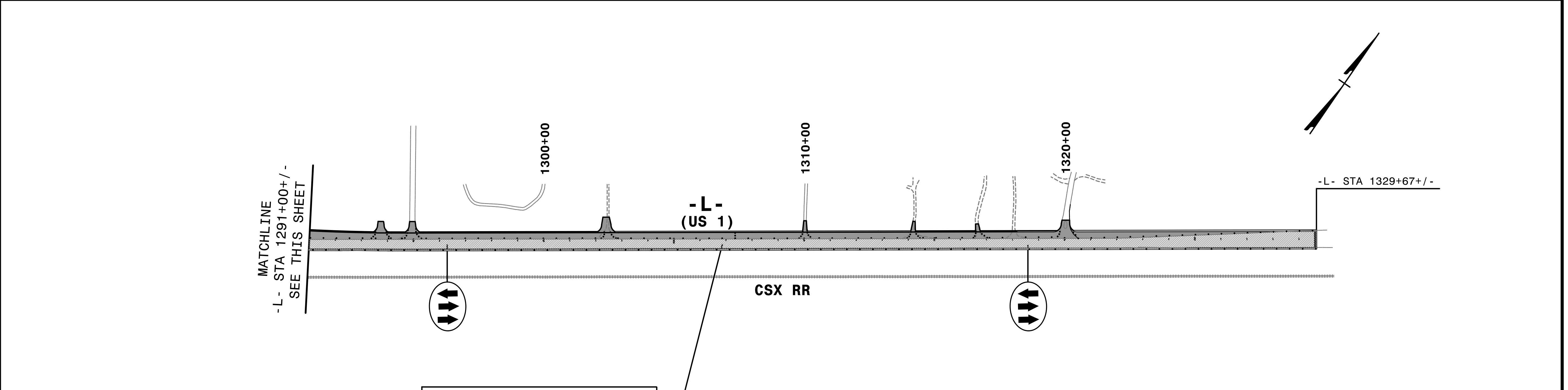
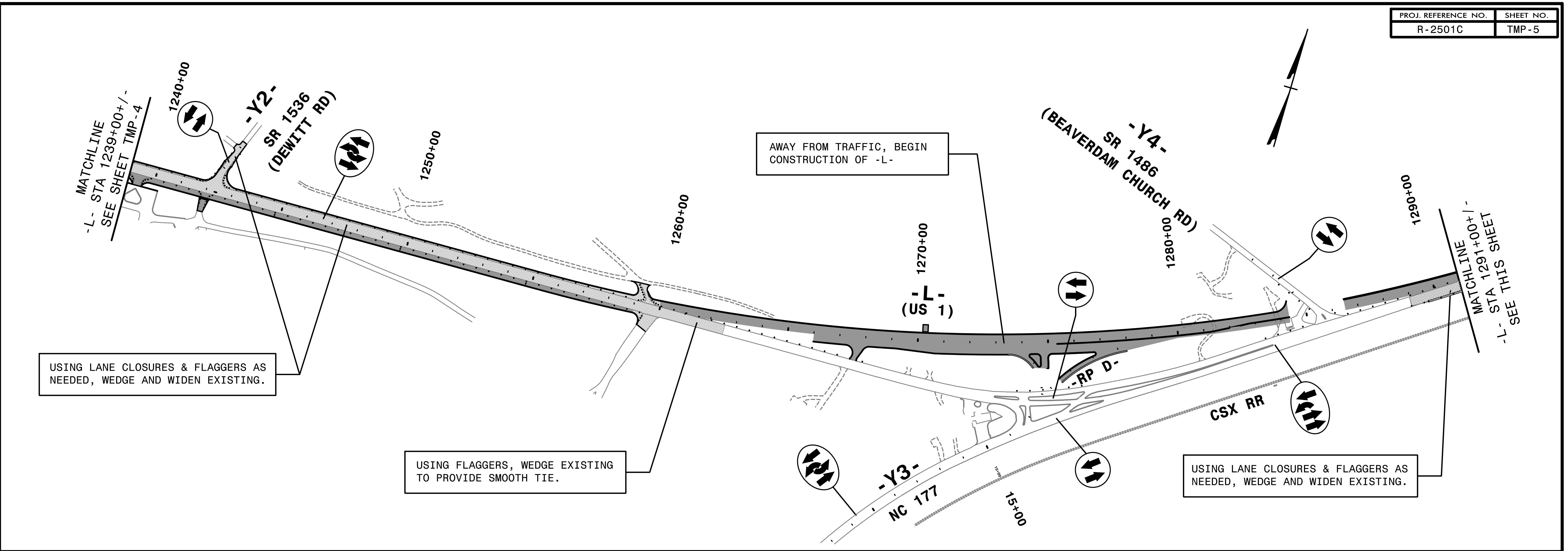
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TRANSPORTATION  
MANAGEMENT PLAN

**PHASE I  
OVERVIEW**

SHEET 1 OF 2



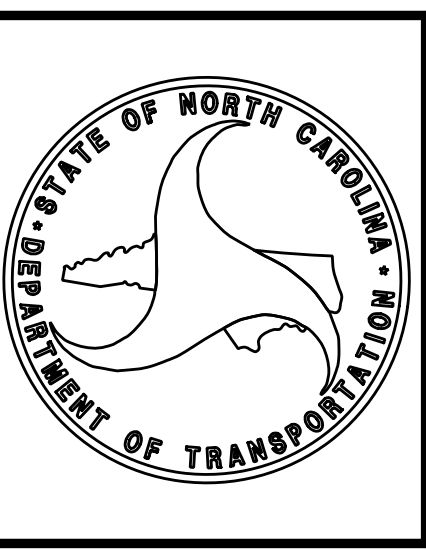
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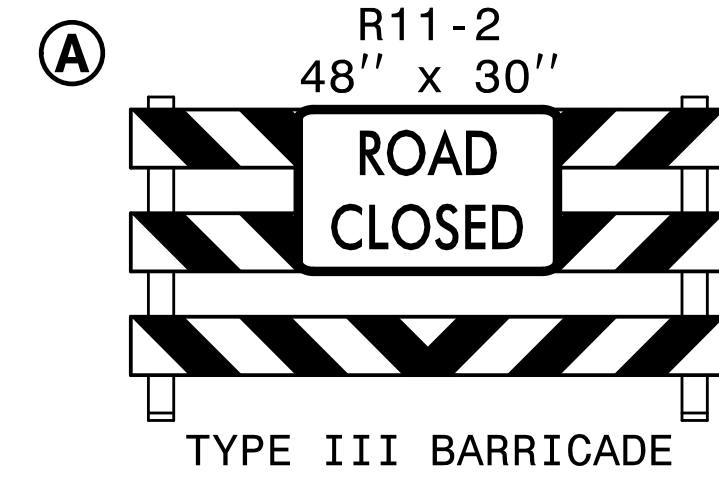
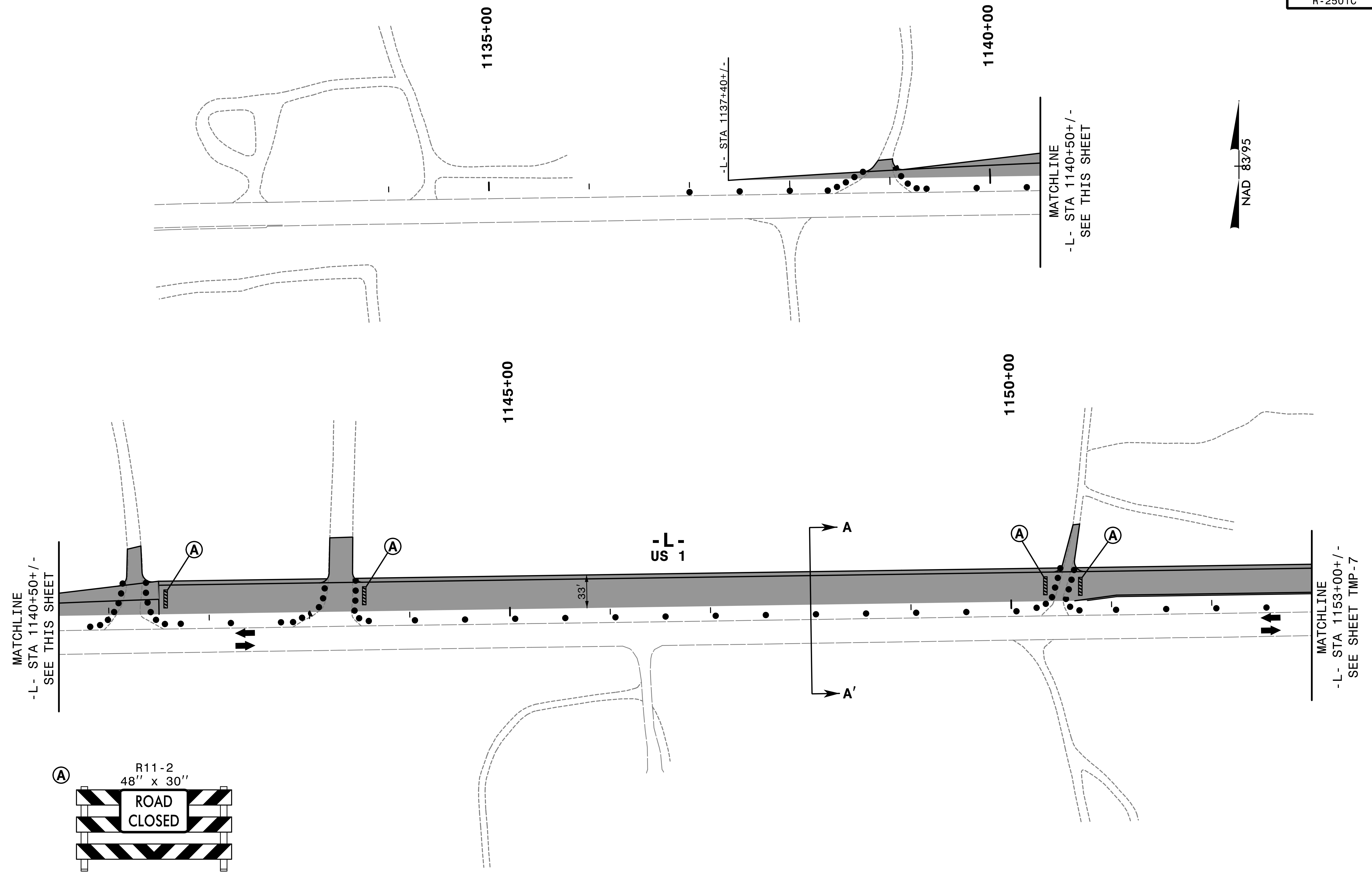
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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE I  
 OVERVIEW

SHEET 2 OF 2

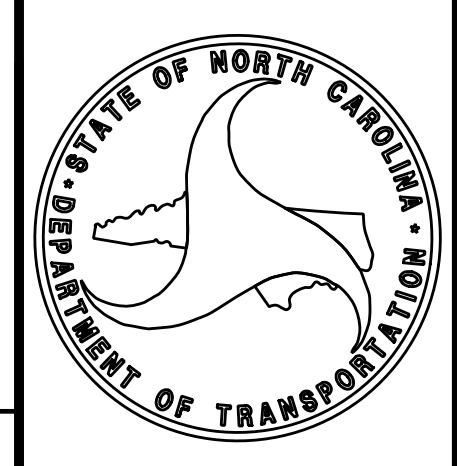


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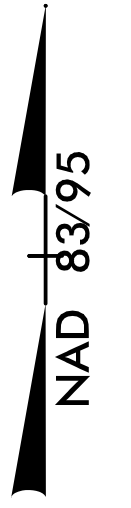
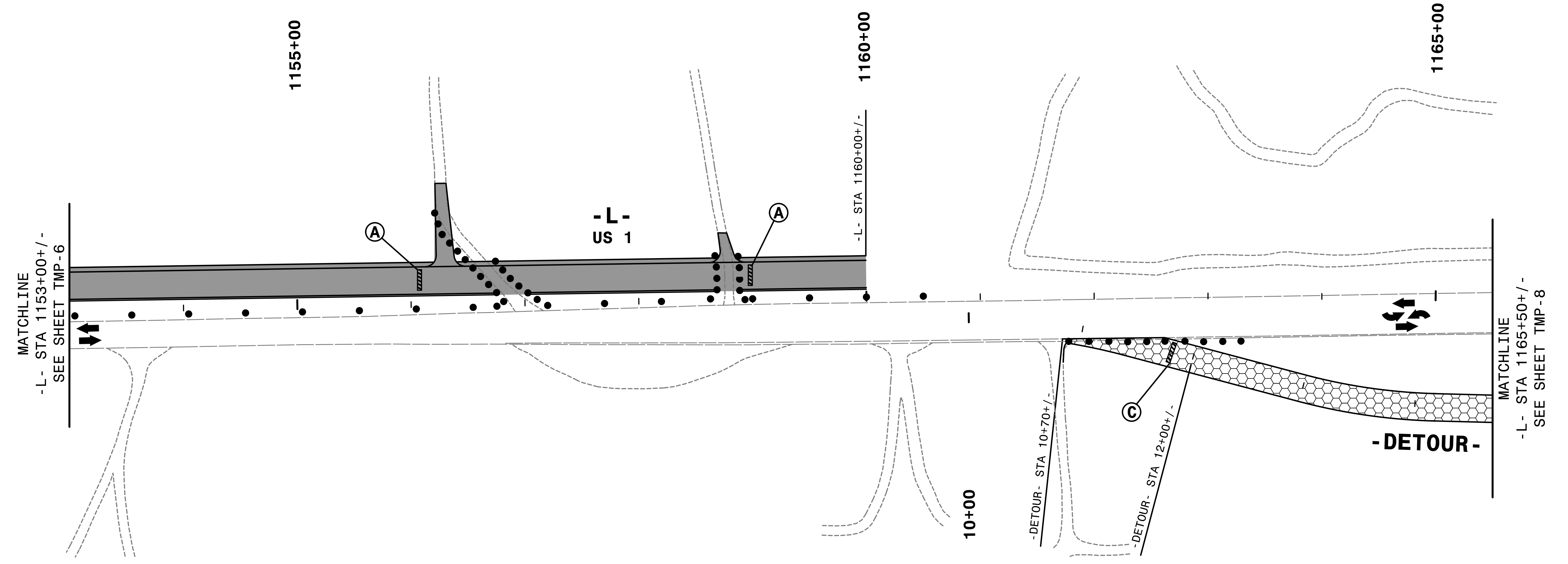
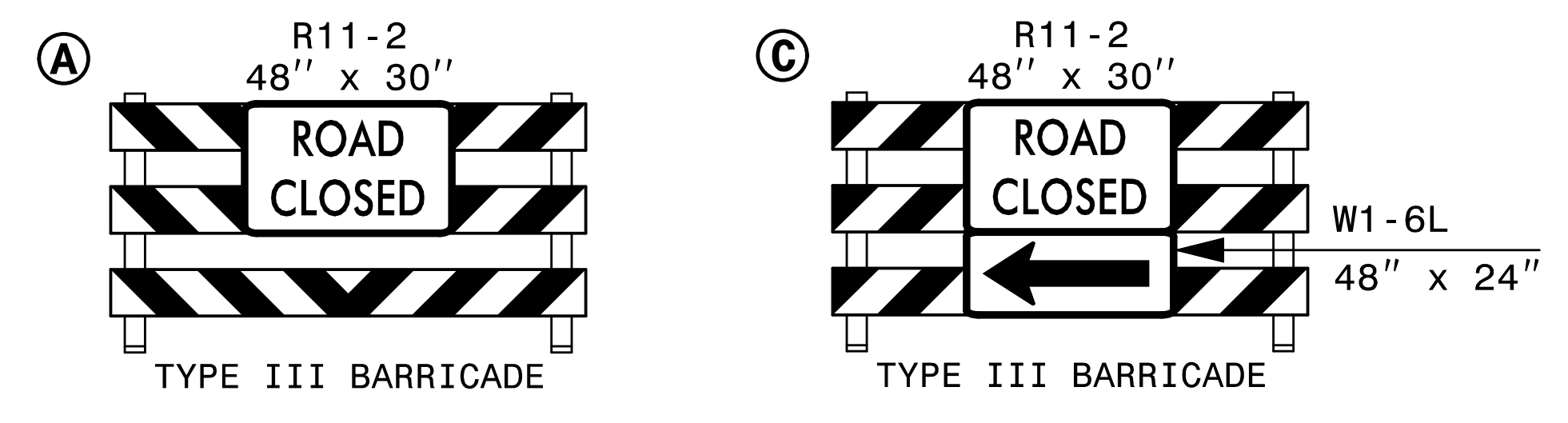
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TRANSPORTATION  
 MANAGEMENT PLAN  
  
 PHASE I  
 DETAIL 1



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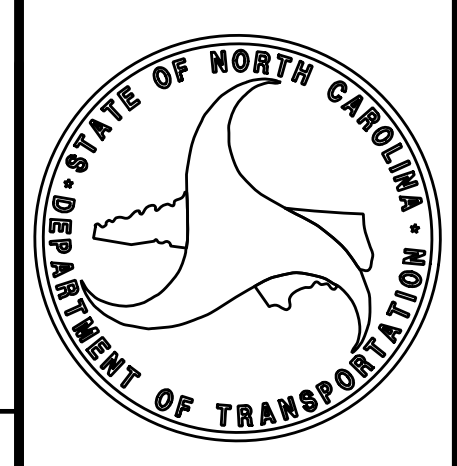
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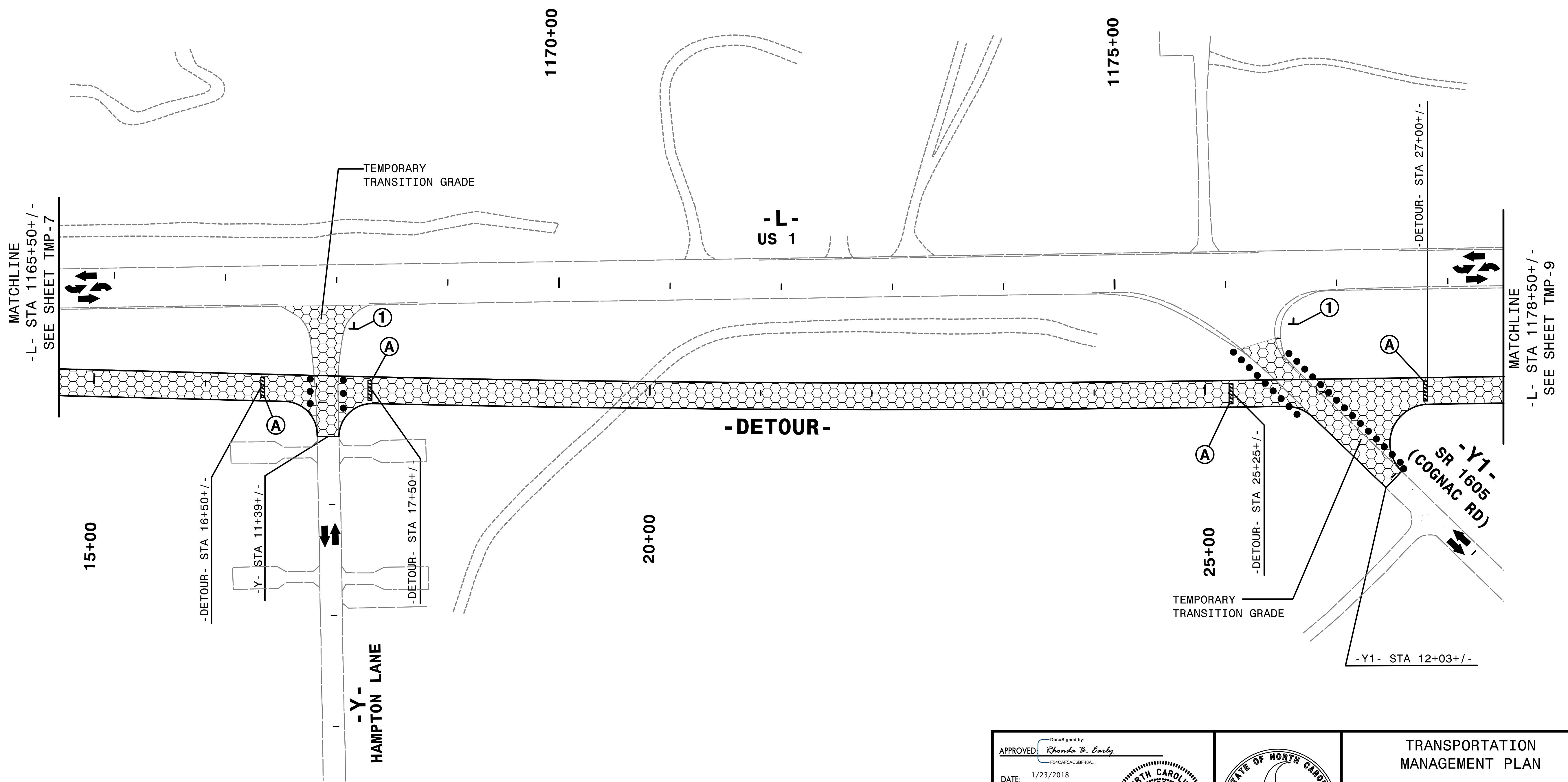
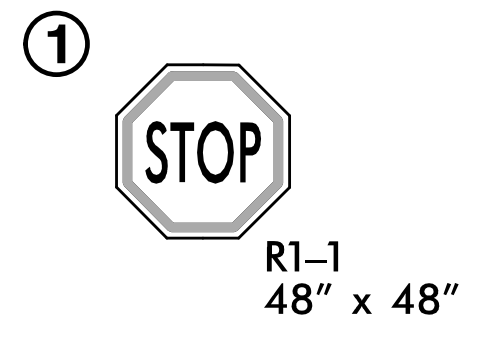
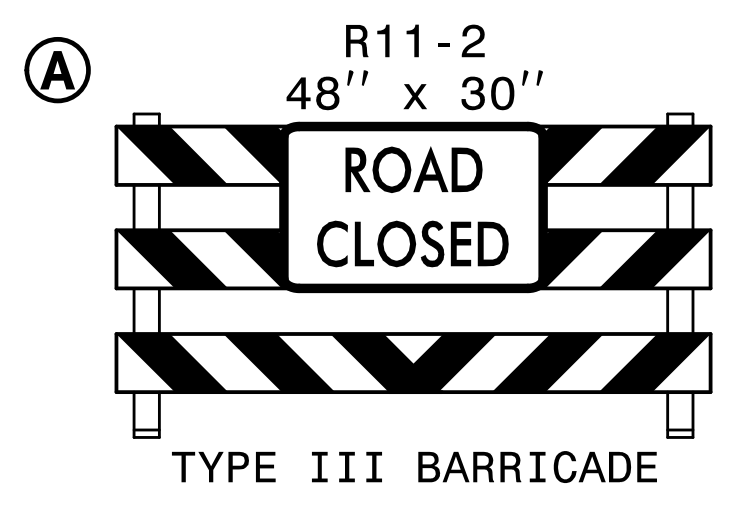
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TRANSPORTATION  
MANAGEMENT PLAN

PHASE I  
DETAIL 2





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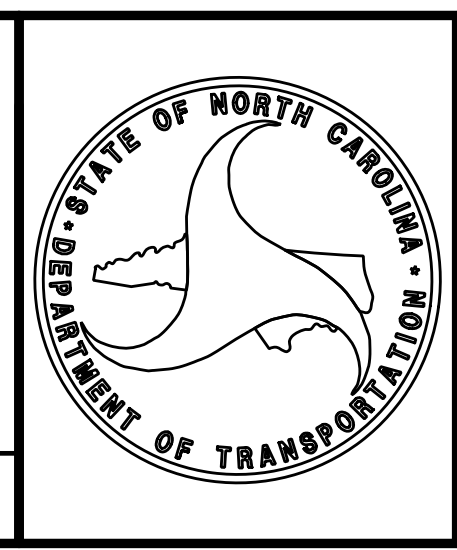
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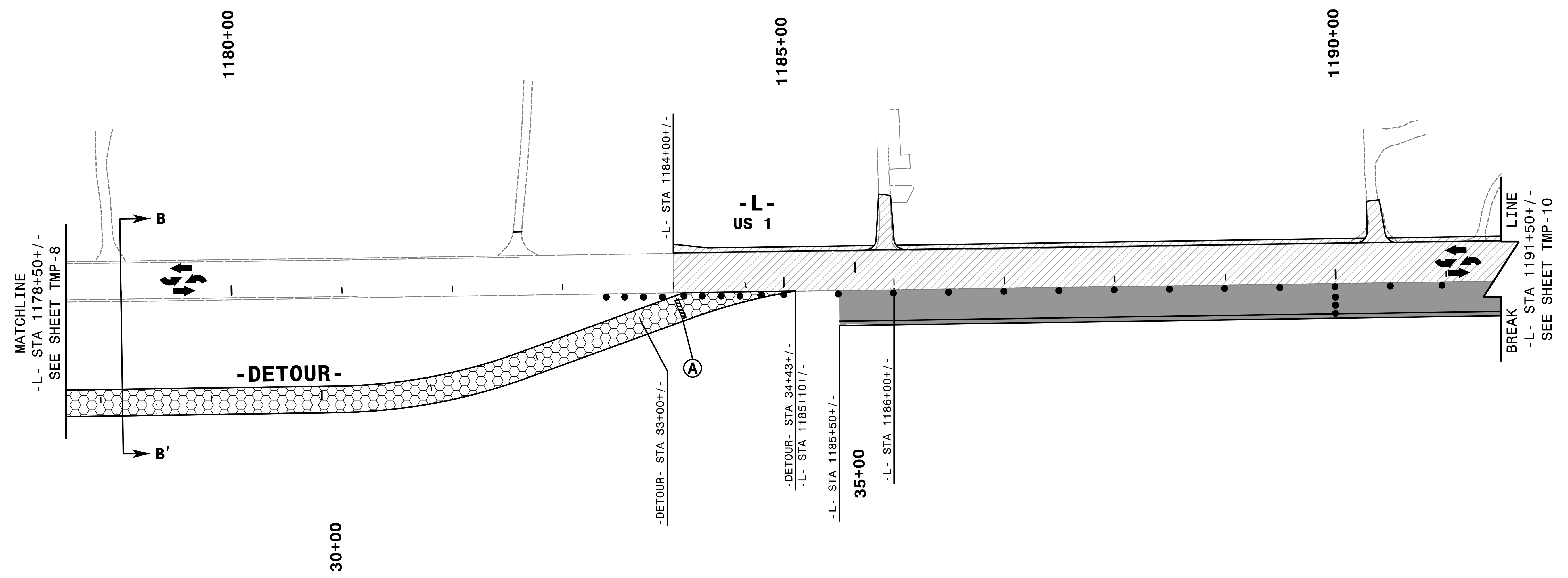
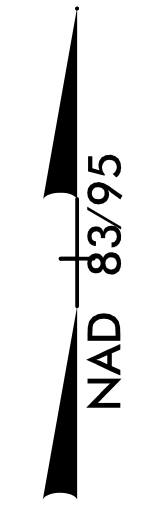
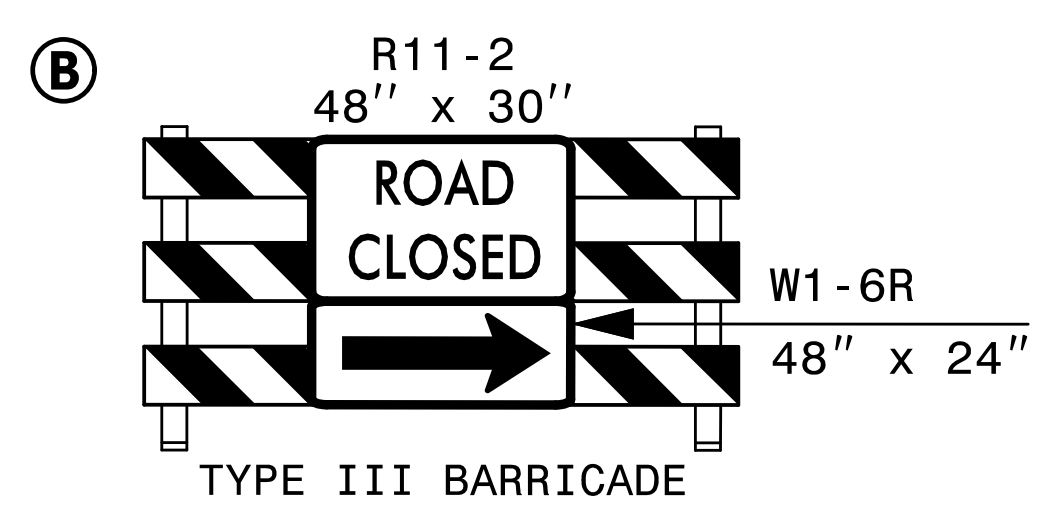
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MANAGEMENT PLAN

PHASE I  
DETAIL 3

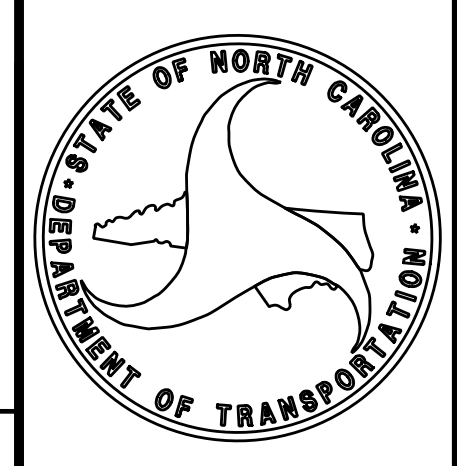


REFER TO SHEETS TMP-18 FOR CUT SECTION(S).

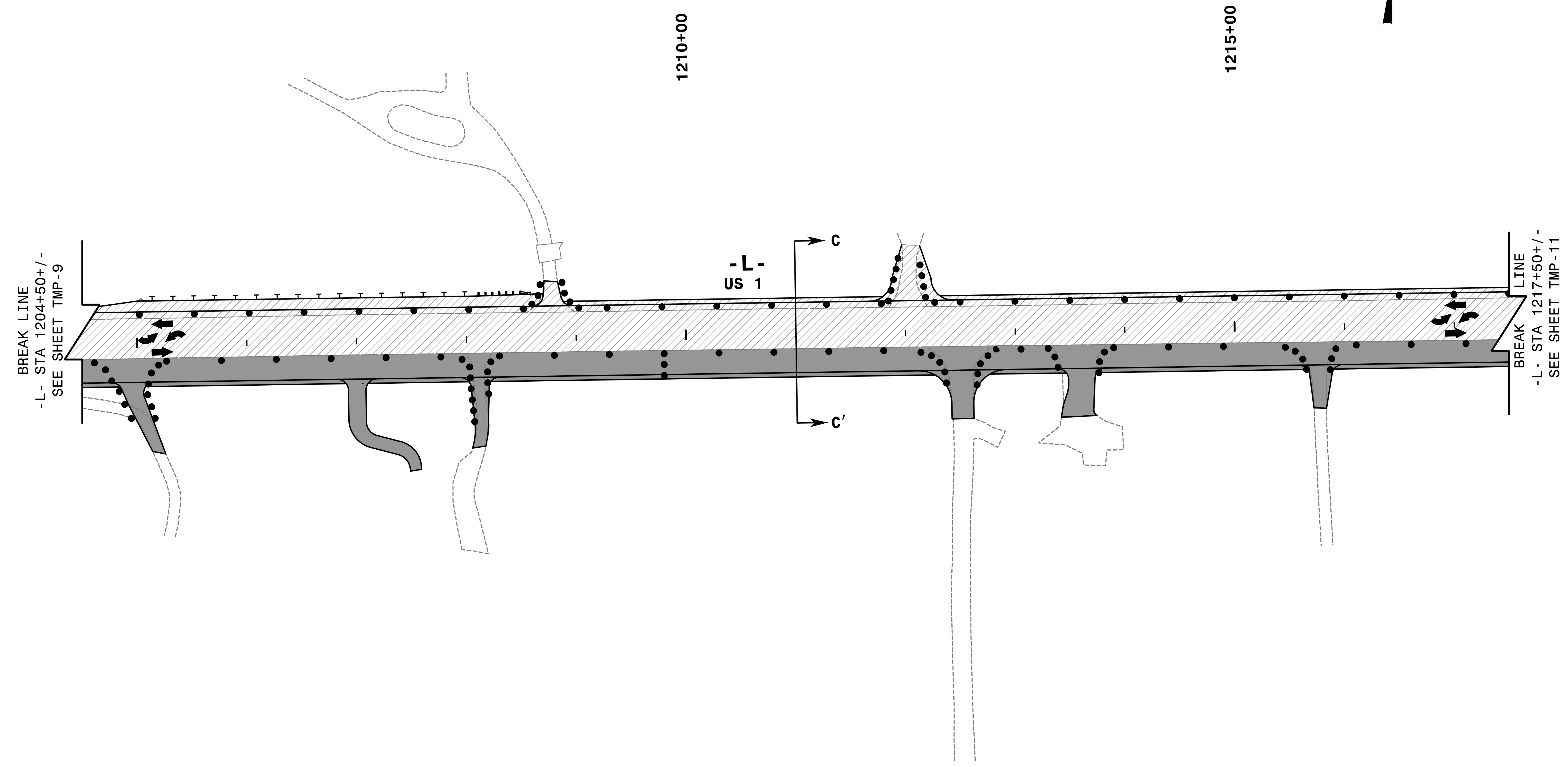
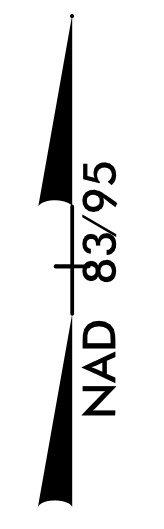
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 HNTB NORTH CAROLINA, P.C.  
 343 E. Six Forks Road, Suite 200  
 Raleigh, North Carolina 27609  
 NC License No: C-1554

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DocuSigned by:  
 F34CAF5AC28F48A...  
 DATE: 1/23/2018  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 023521  
 RHONDA B. EARLY  
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TRANSPORTATION  
 MANAGEMENT PLAN  
 PHASE I  
 DETAIL 4

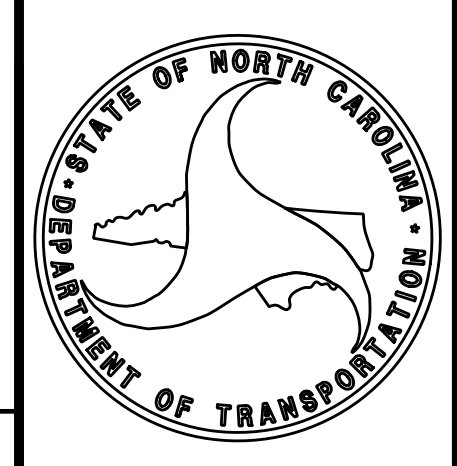
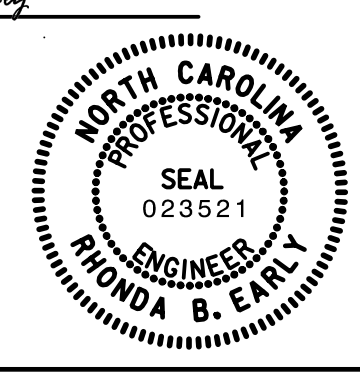


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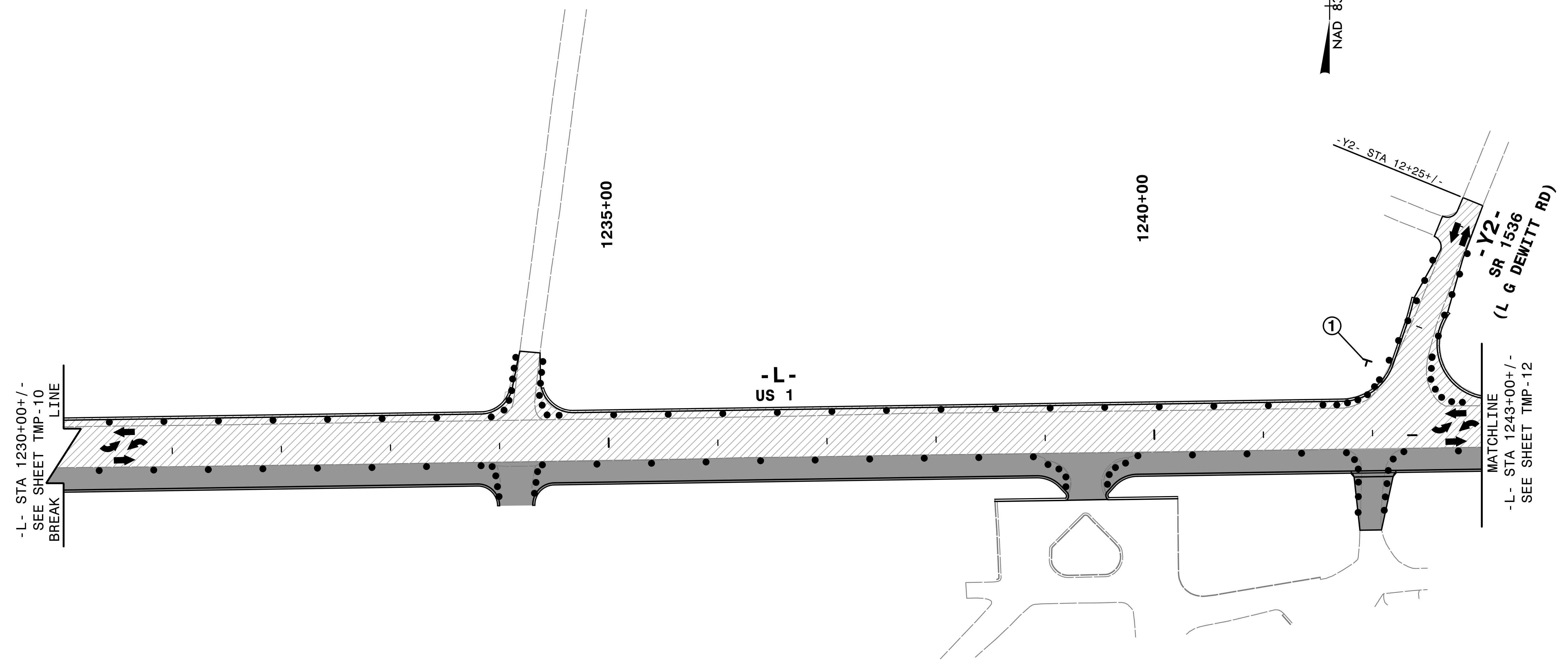
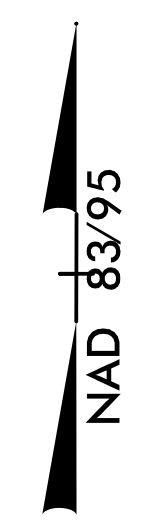
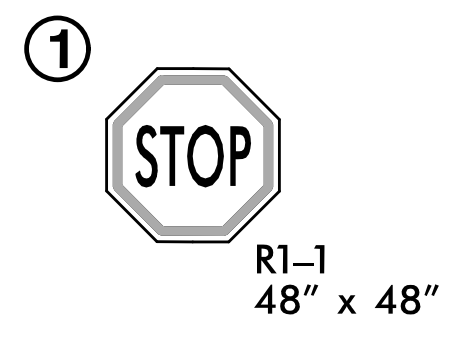
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NC License No: C-1554

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DATE: 1/23/2018  
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TRANSPORTATION  
MANAGEMENT PLAN  
  
PHASE I  
DETAIL 5



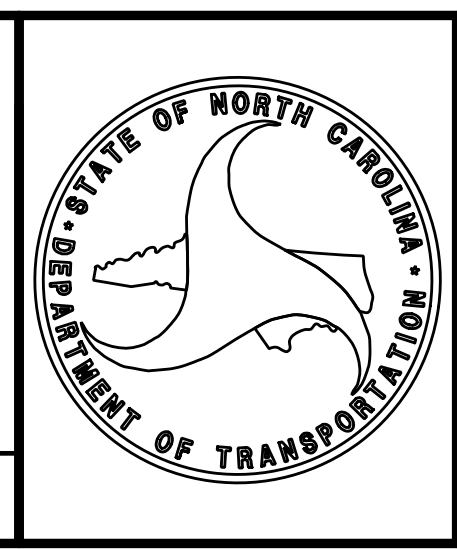
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HNTB

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NC LICENSE NO: C-1554

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F34CAF5AC8BF48A...  
DATE: 1/23/2018

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023521  
ENGINEER  
RHONDA B. EARLY

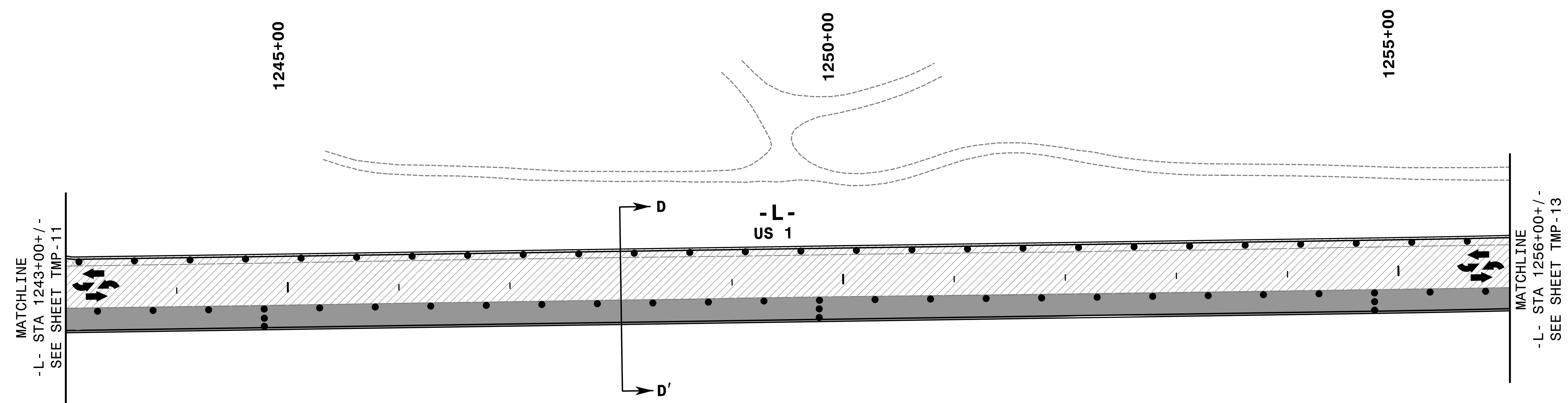
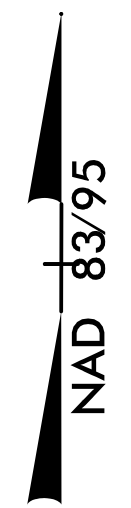
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TRANSPORTATION  
MANAGEMENT PLAN

PHASE I  
DETAIL 6

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| PROJ. REFERENCE NO. | SHEET NO. |
| R-2501C             | TMP-12    |



REFER TO SHEET TMP-18 FOR CUT SECTION(S).

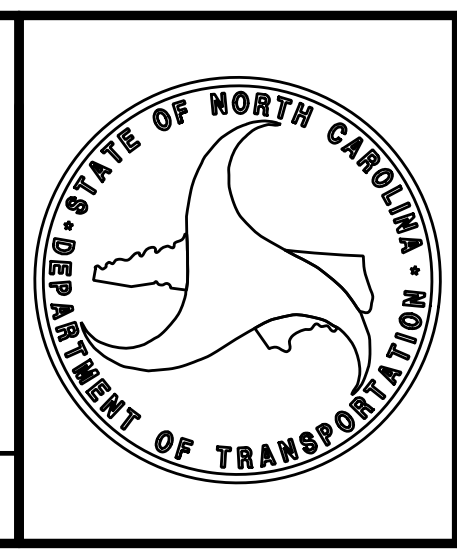
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 HNTB NORTH CAROLINA, P.C.  
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 DATE: 1/23/2018

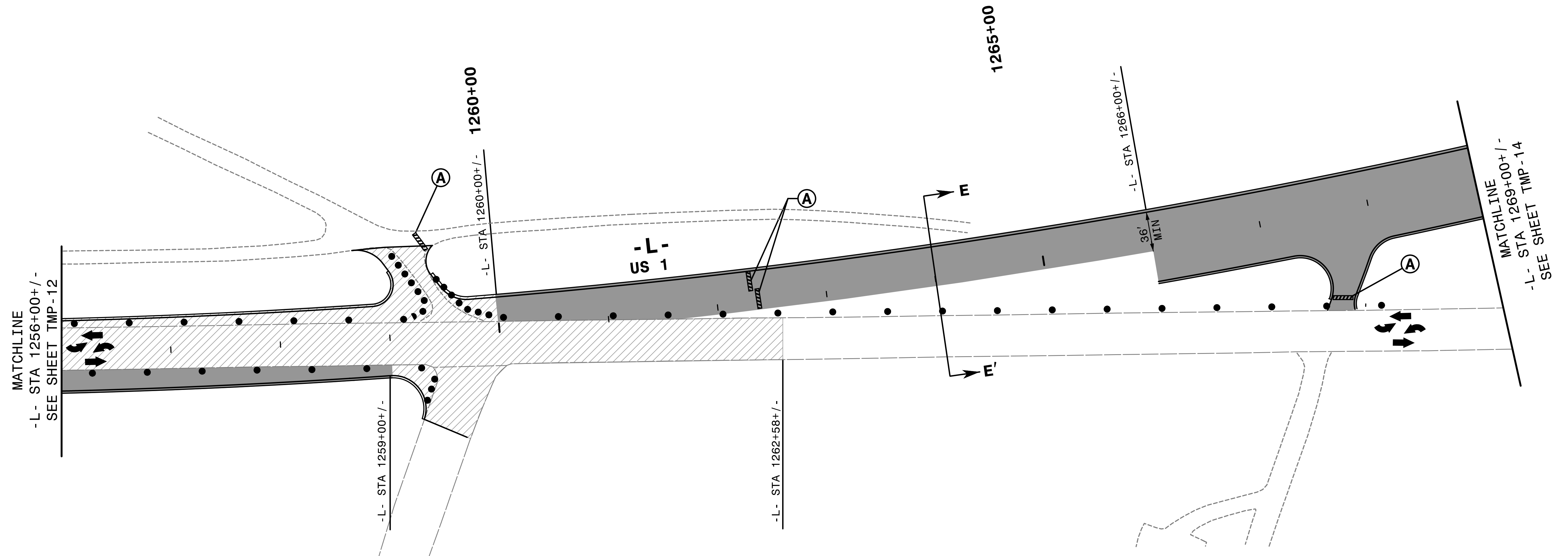
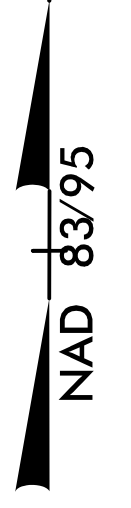
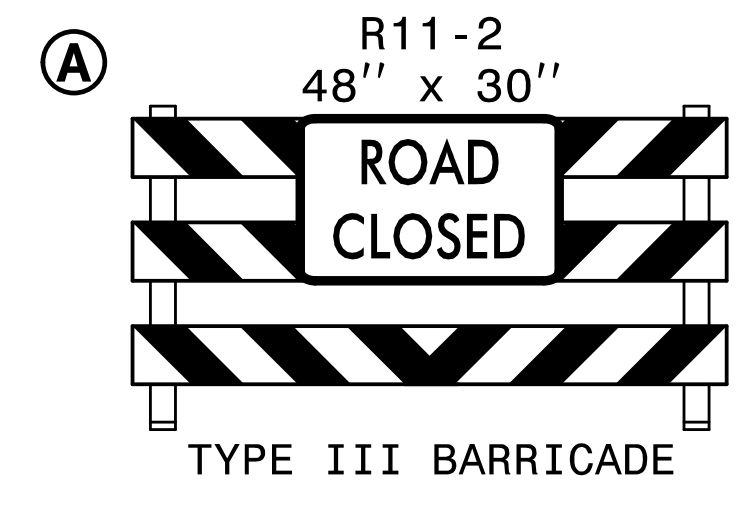
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 NORTH CAROLINA  
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 ENGINEER  
 RHONDA B. EARLY  
 023521

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 MANAGEMENT PLAN

PHASE I  
 DETAIL 7



REFER TO SHEETS TMP-18 FOR CUT SECTION(S).

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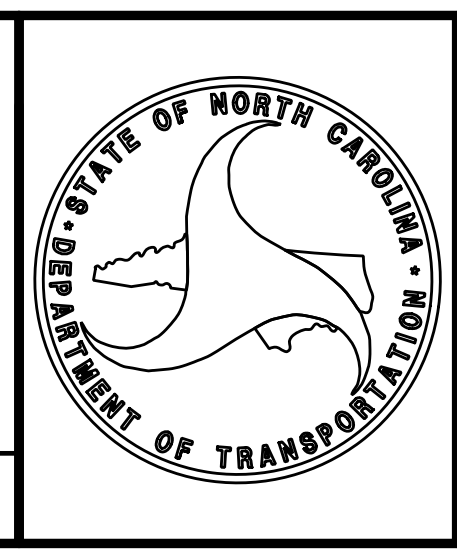
**HNTB**  
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343 E. Six Forks Road, Suite 200  
Raleigh, North Carolina 27609  
NC License No: C-1554

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F34CAF5AC8BF48A...

DATE: 1/23/2018

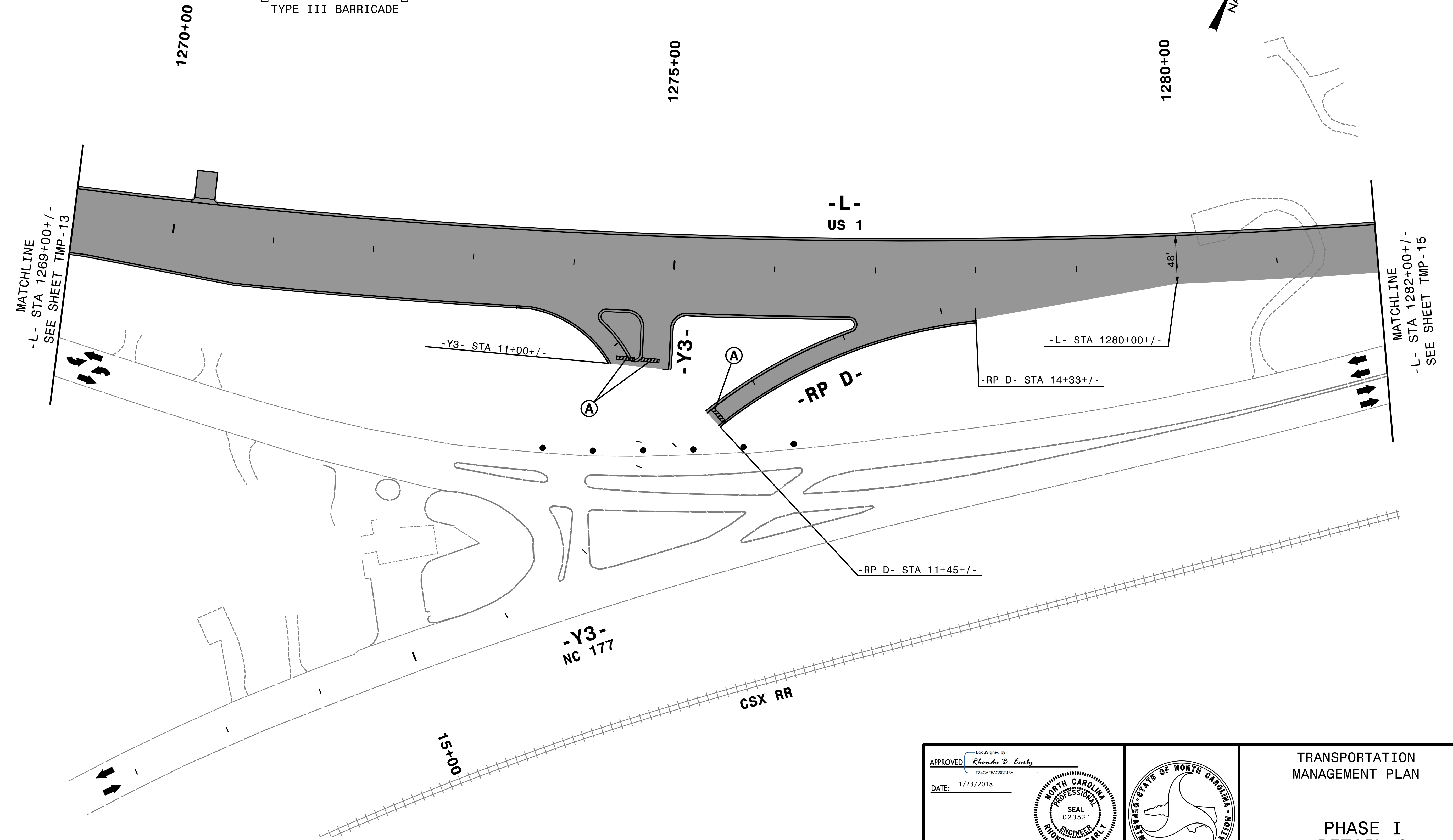
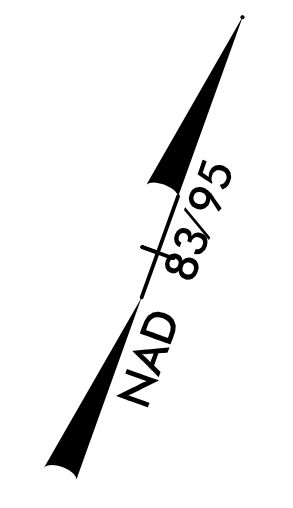
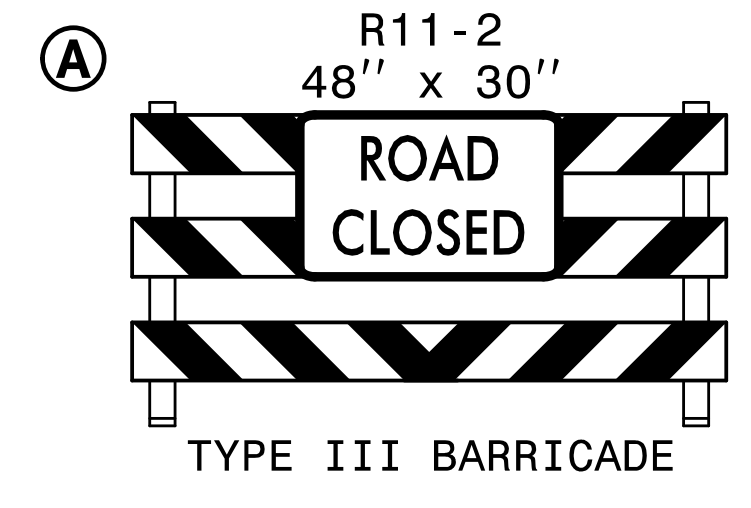
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MANAGEMENT PLAN

PHASE I  
DETAIL 8



1/23/2018  
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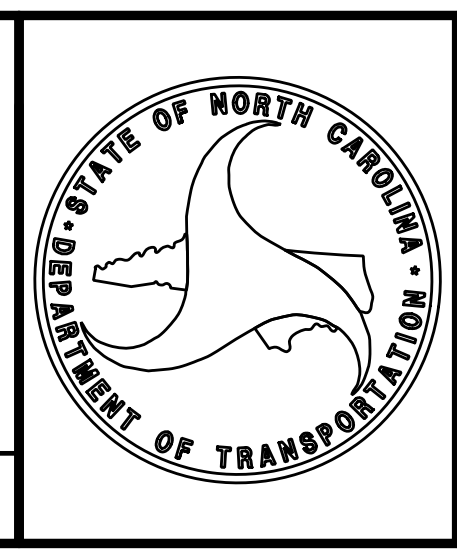
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RALEIGH, NORTH CAROLINA 27609  
NC LICENSE NO: C-1554

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F34CAF5AC28F48A...

DATE: 1/23/2018

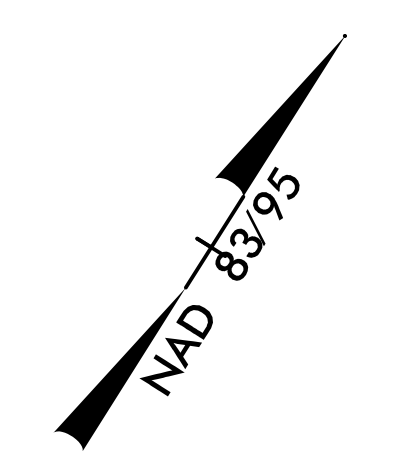
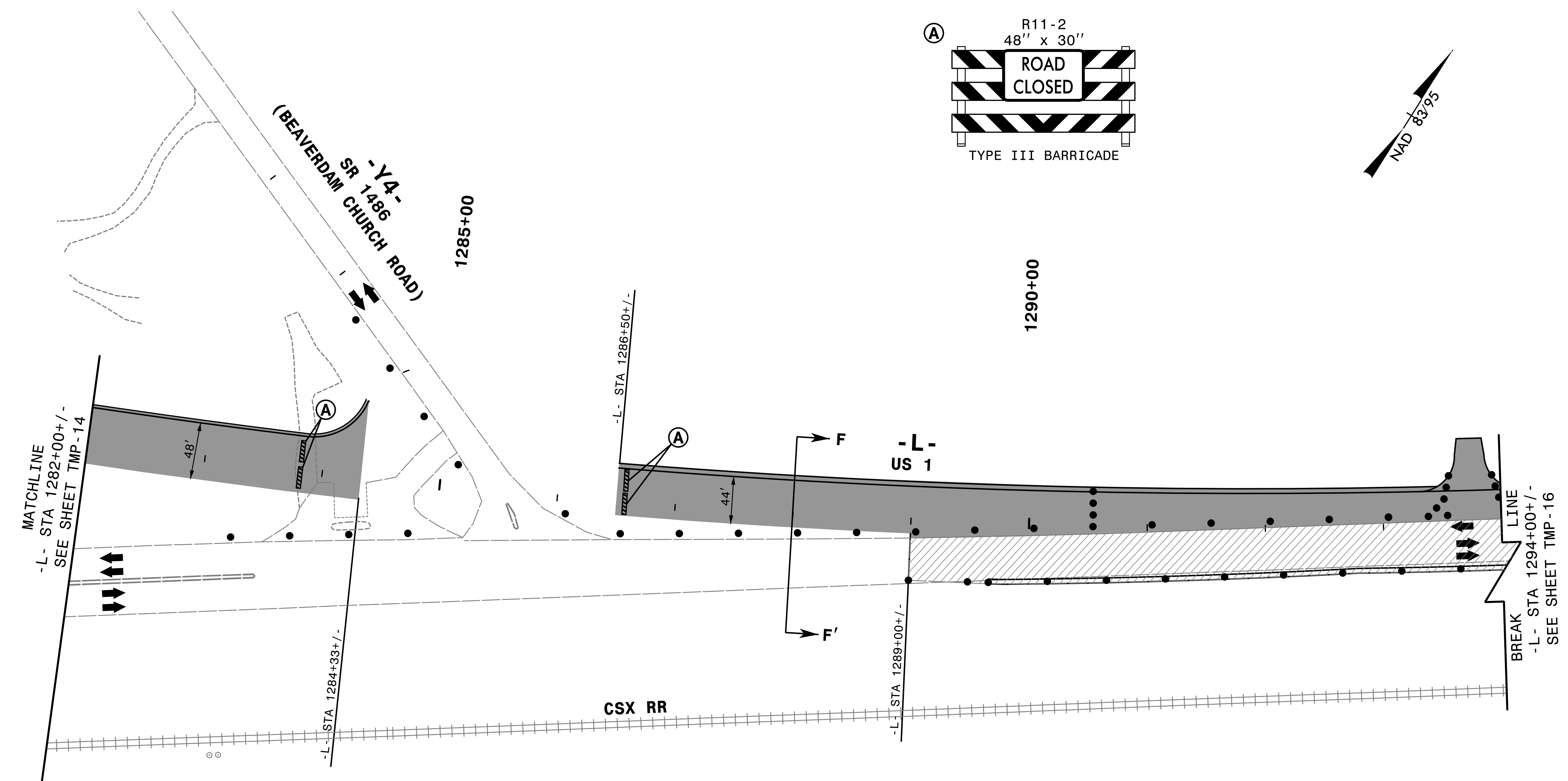
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MANAGEMENT PLAN

PHASE I  
DETAIL 9



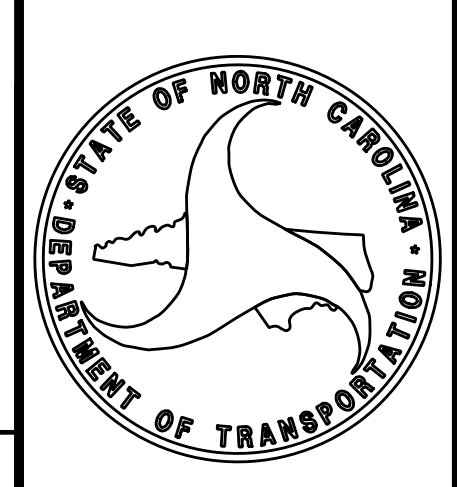
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HNTB

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343 E. Six Forks Road, Suite 200  
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DATE: 1/23/2018

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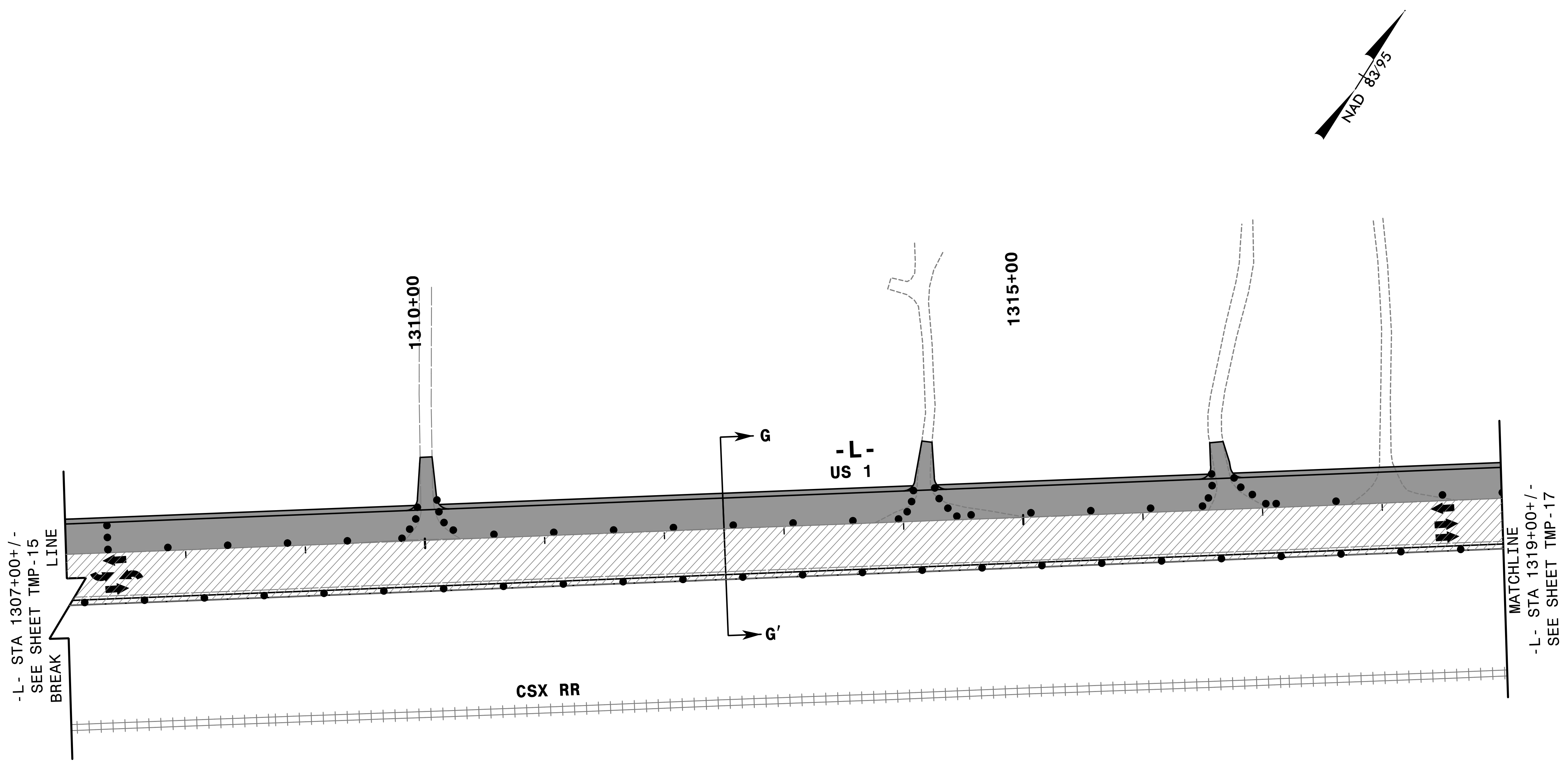
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MANAGEMENT PLAN

PHASE I  
DETAIL 10





REFER TO SHEETS TMP-18 FOR CUT SECTION(S).

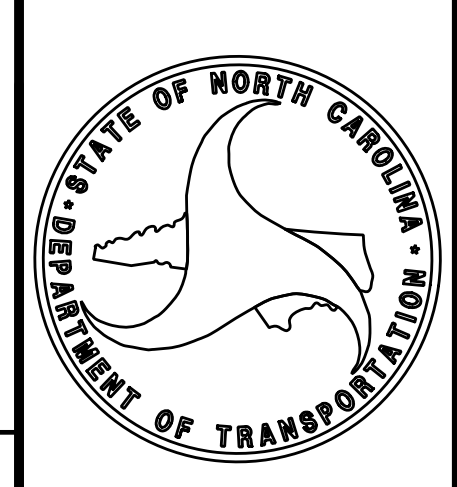
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DocuSigned by:  
Rhonda B. Early  
F34CAF5AC8BF48A...  
 DATE: 1/23/2018

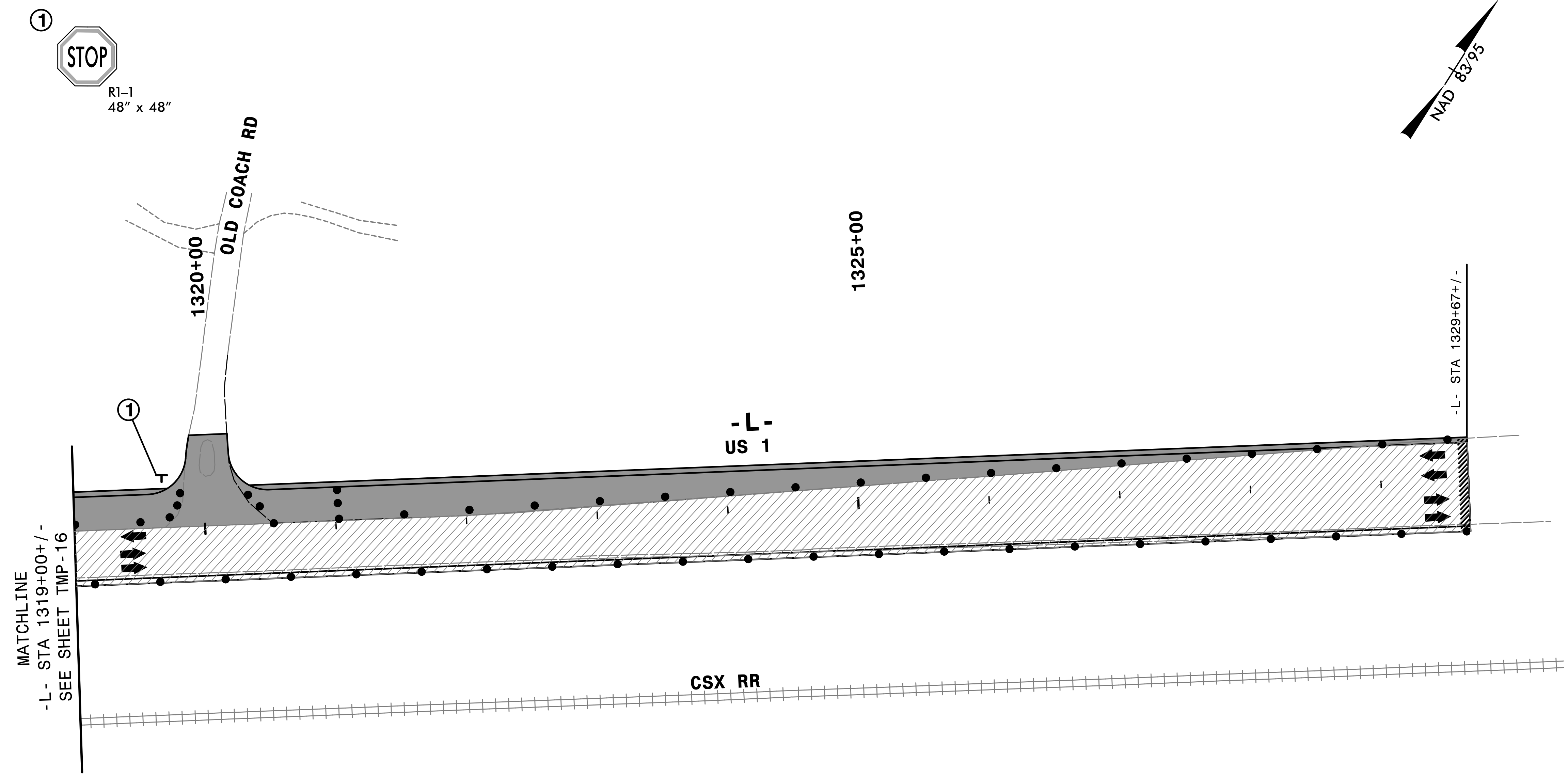
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 ENGINEER  
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 023521

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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE I  
 DETAIL 11



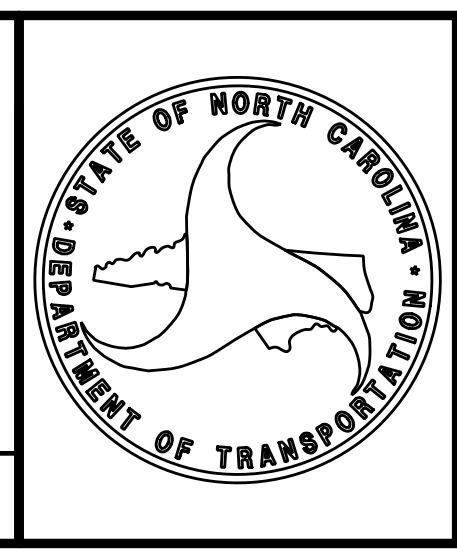
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 DATE: 1/23/2018

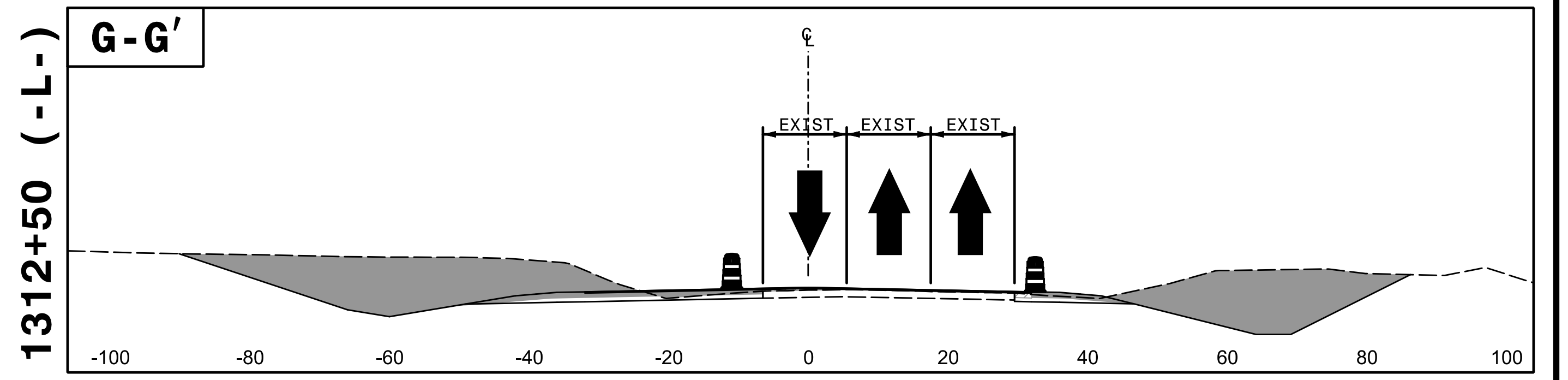
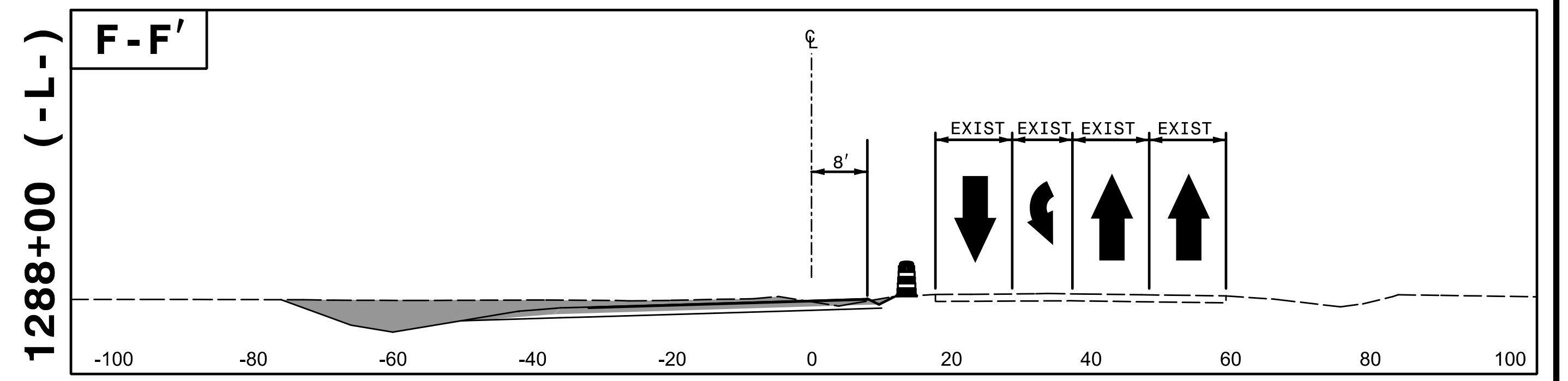
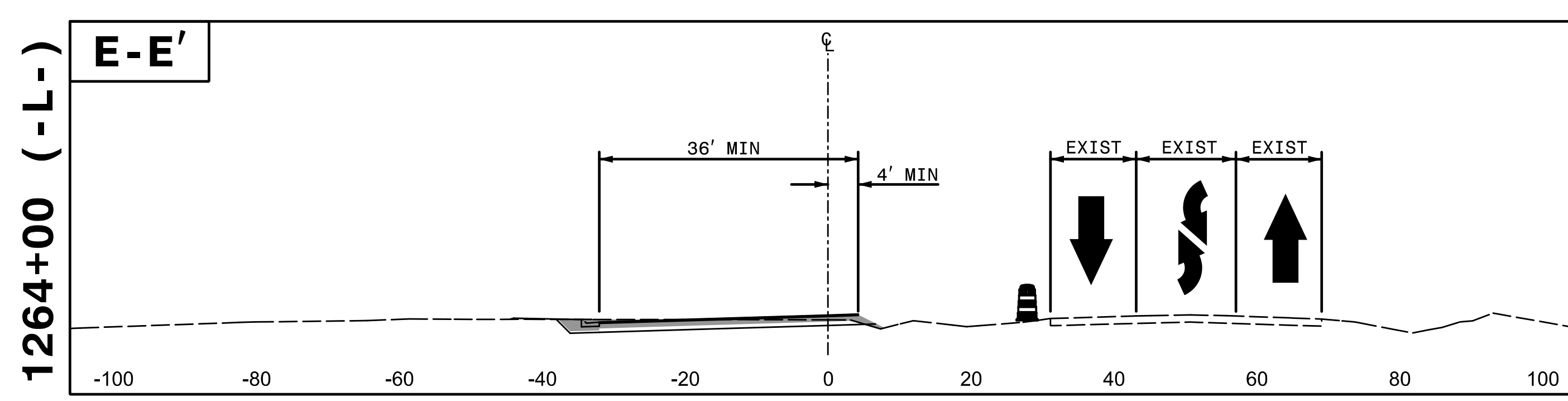
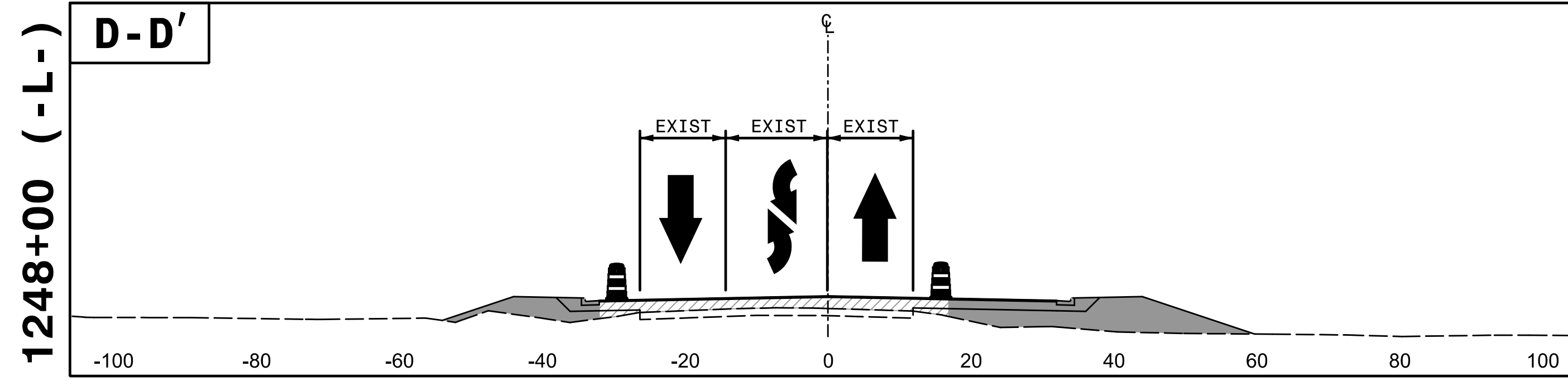
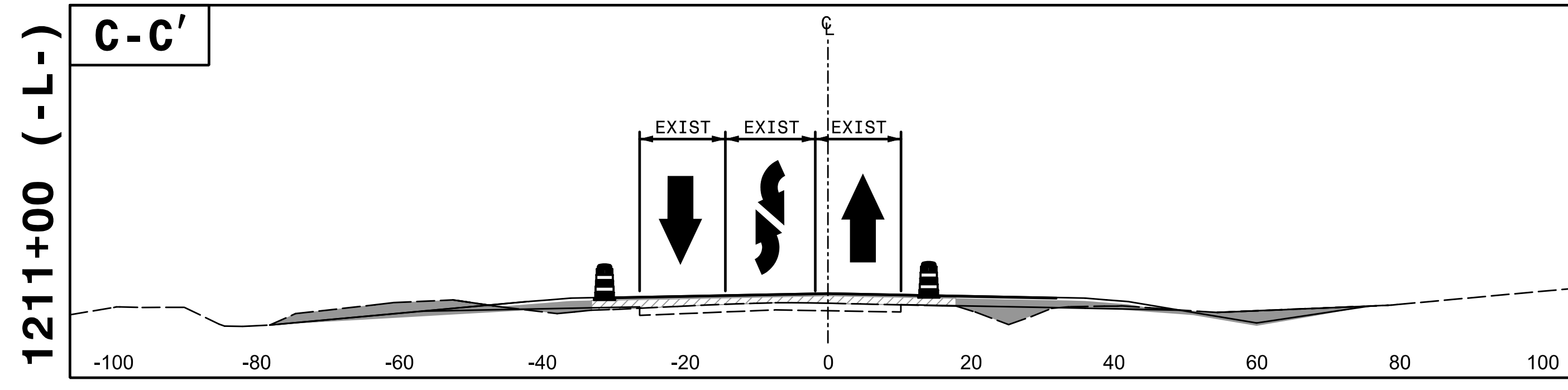
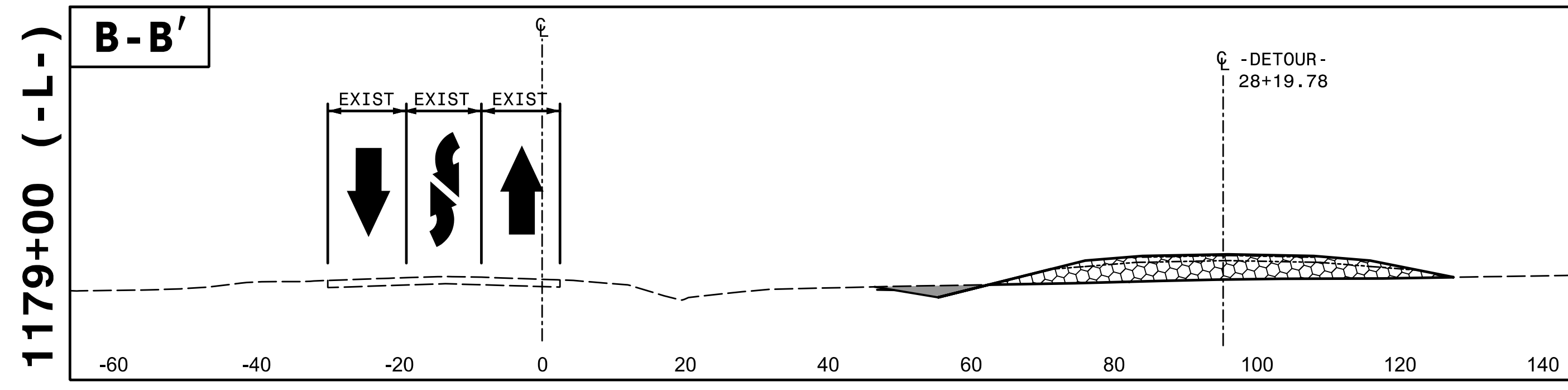
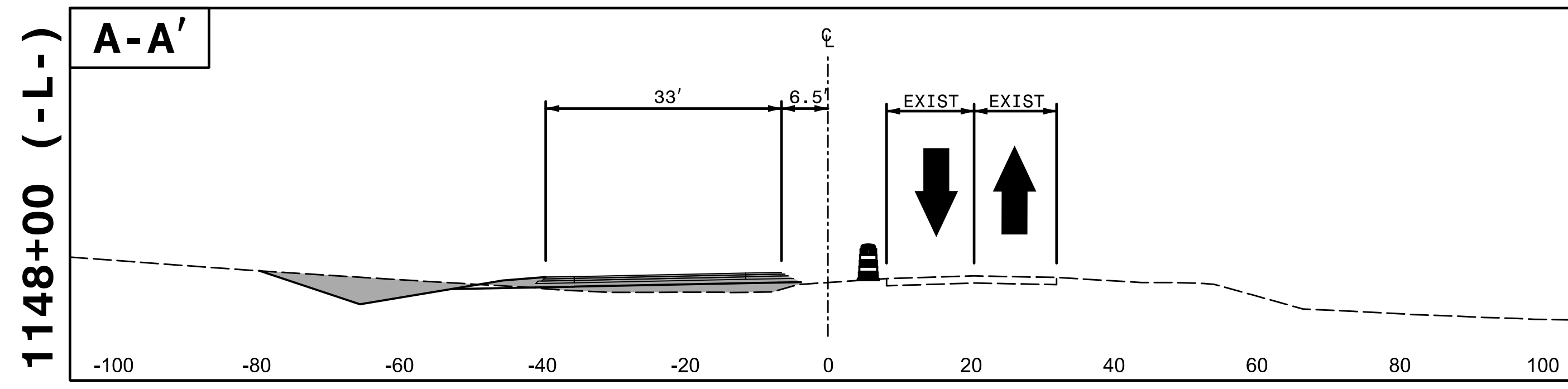
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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE I  
 DETAIL 12



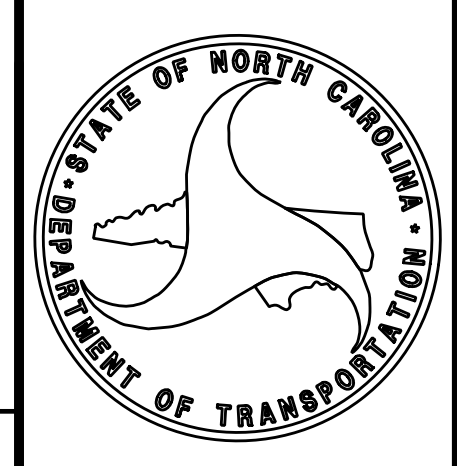
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HNTB

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RALEIGH, NORTH CAROLINA 27609  
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DATE: 1/23/2018

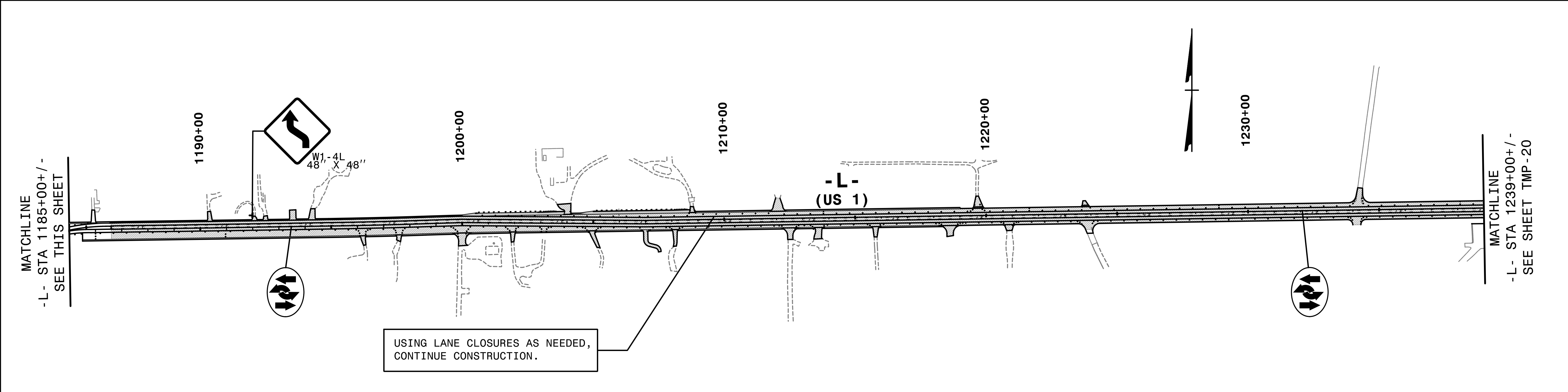
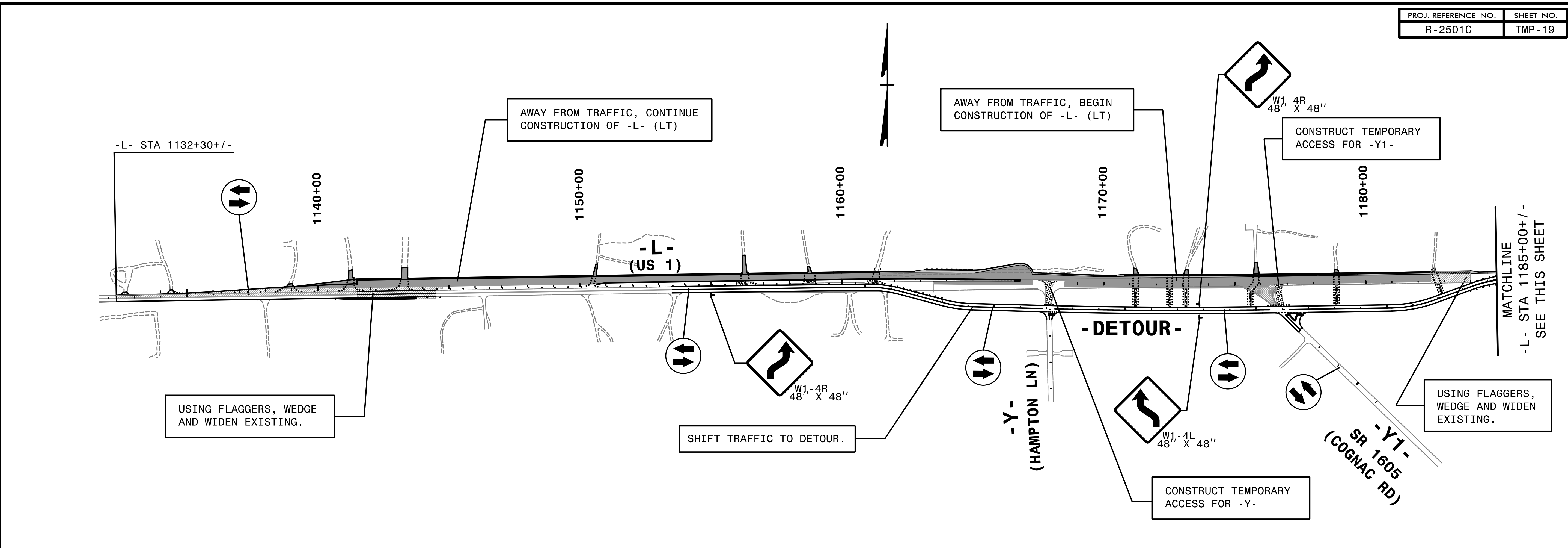
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TRANSPORTATION  
MANAGEMENT PLAN

PHASE I  
CUT SECTIONS



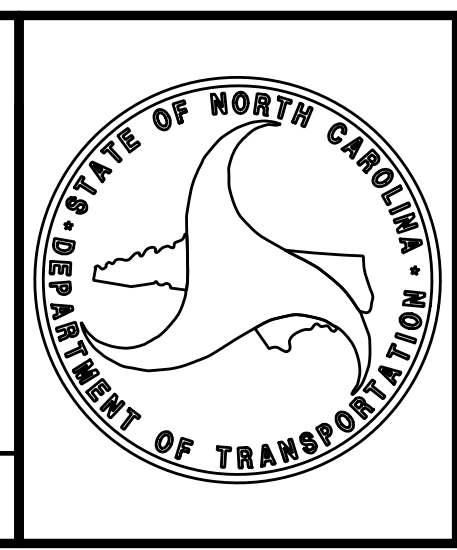
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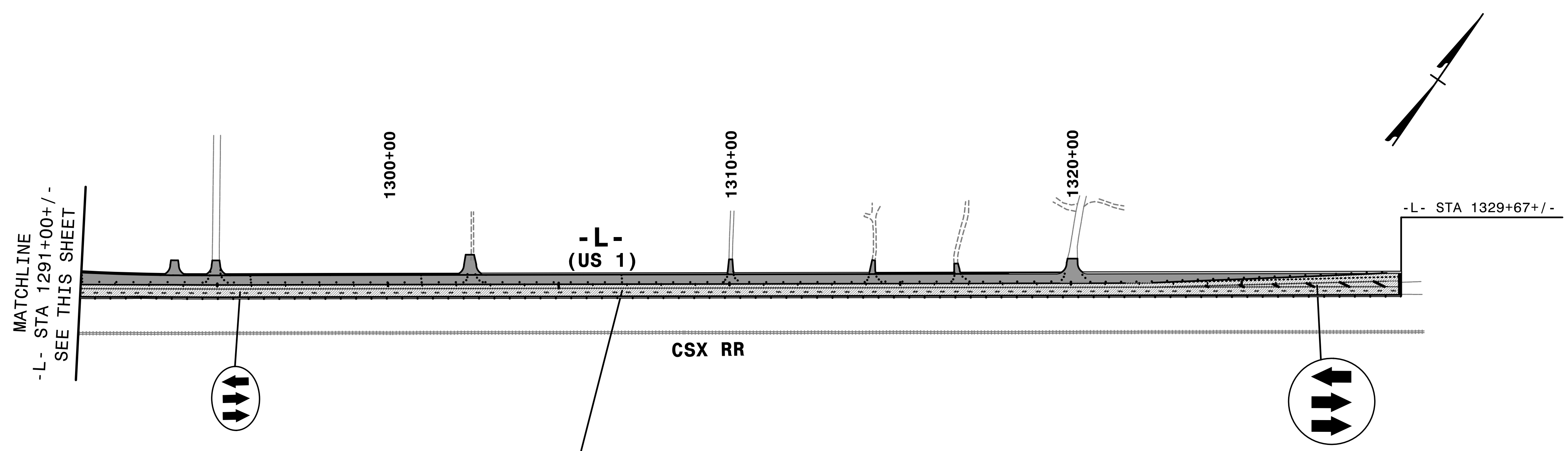
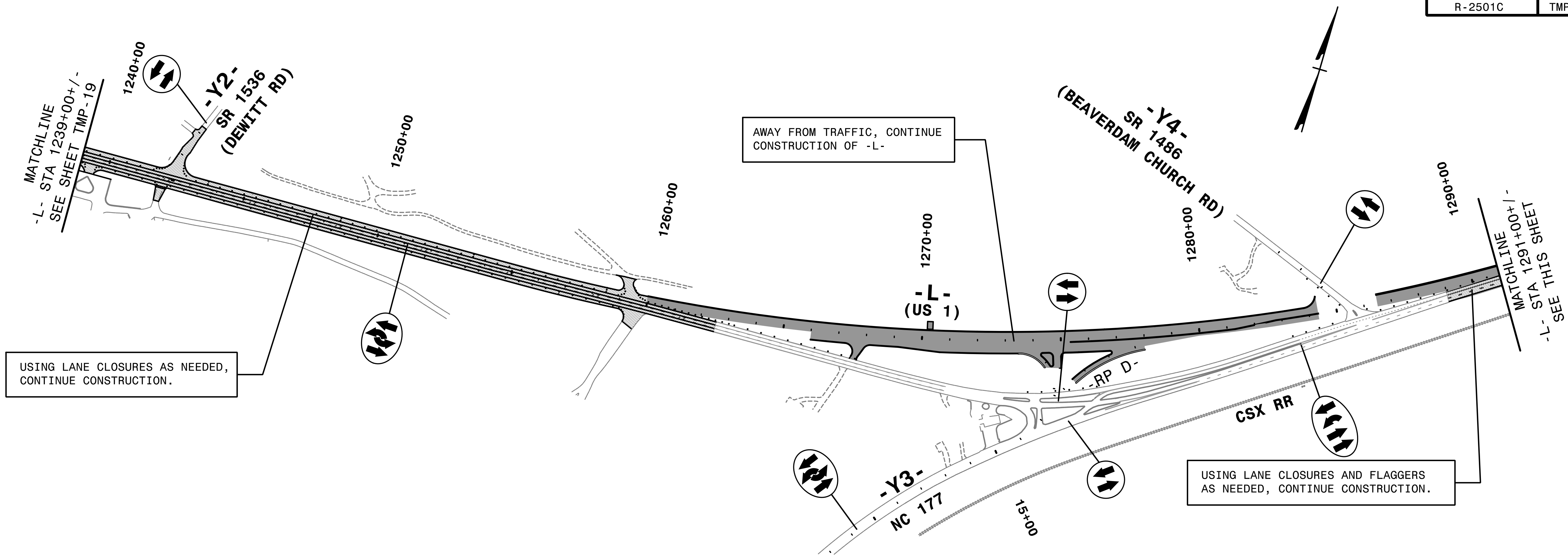
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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE II  
 OVERVIEW

SHEET 1 OF 2



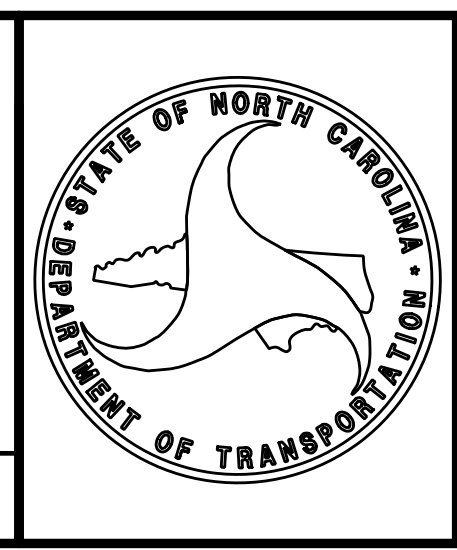
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 023521

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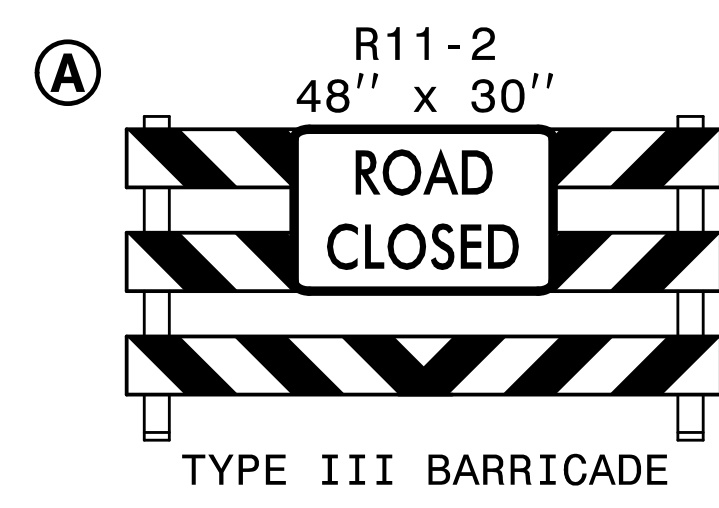
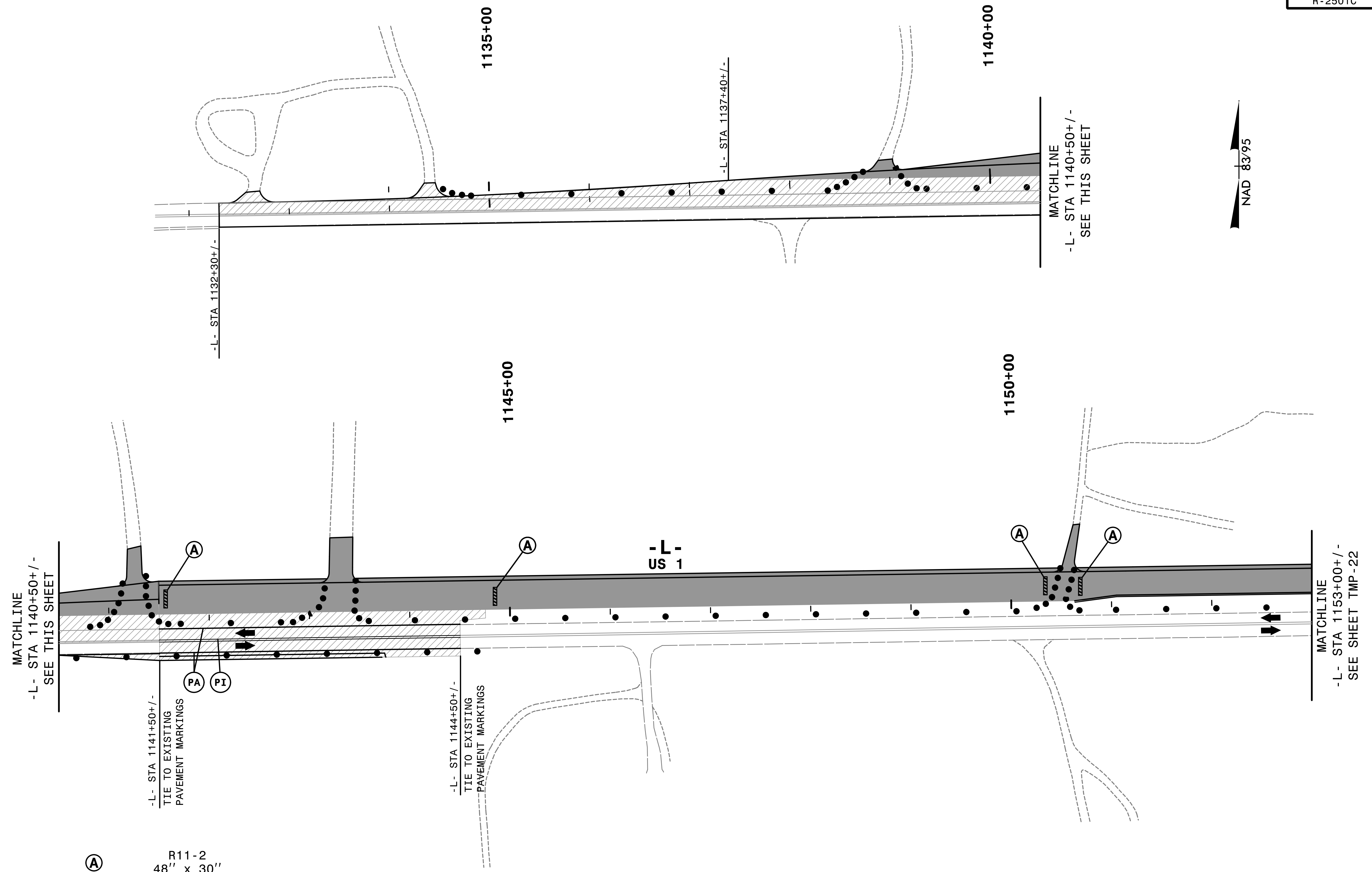


TRANSPORTATION  
 MANAGEMENT PLAN

**PHASE II  
 OVERVIEW**

SHEET 2 OF 2

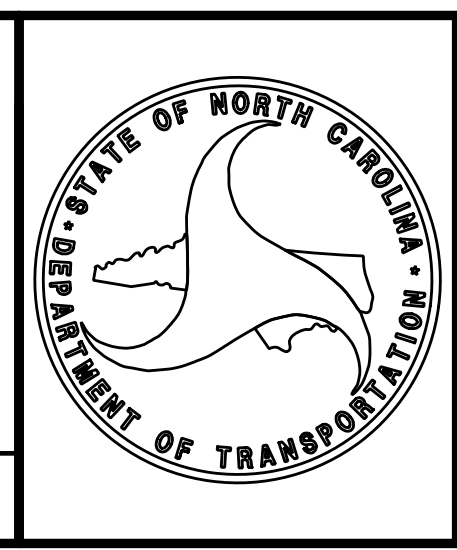
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| PROJ. REFERENCE NO. | SHEET NO. |
| R-2501C             | TMP-21    |



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 023521

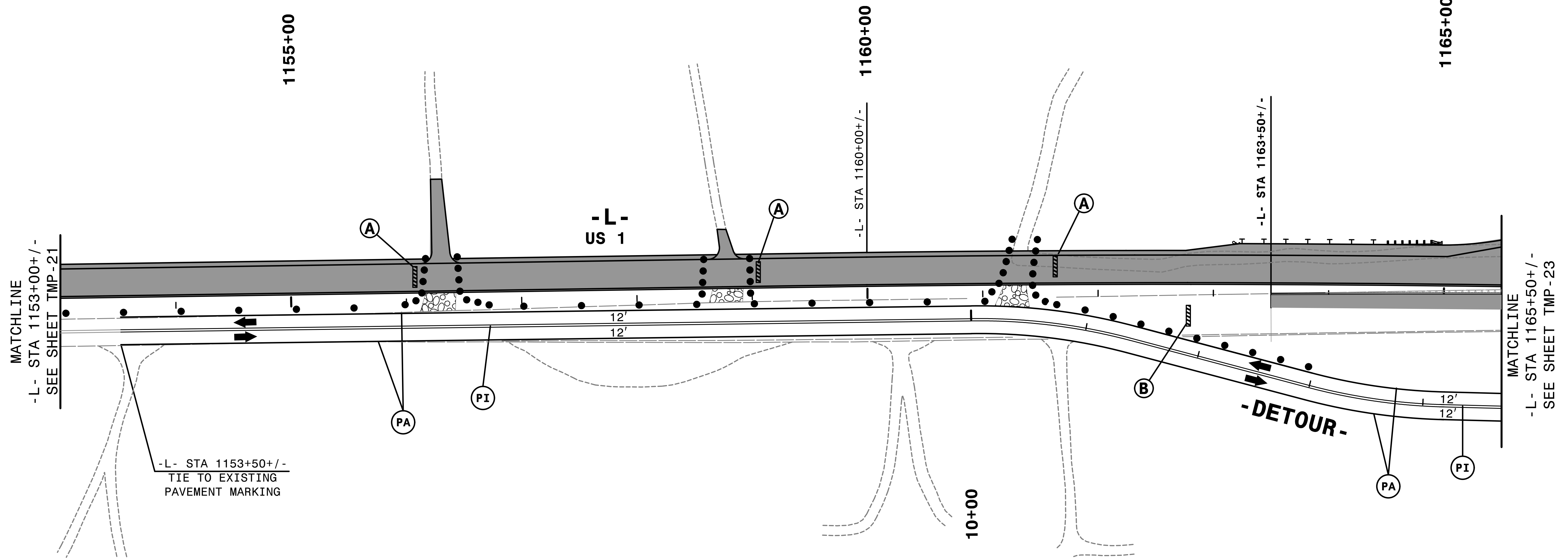
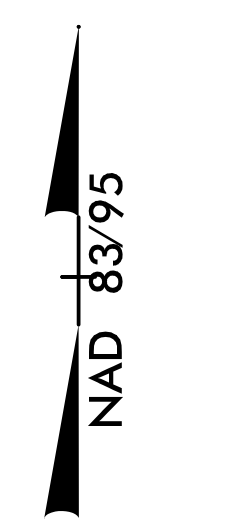
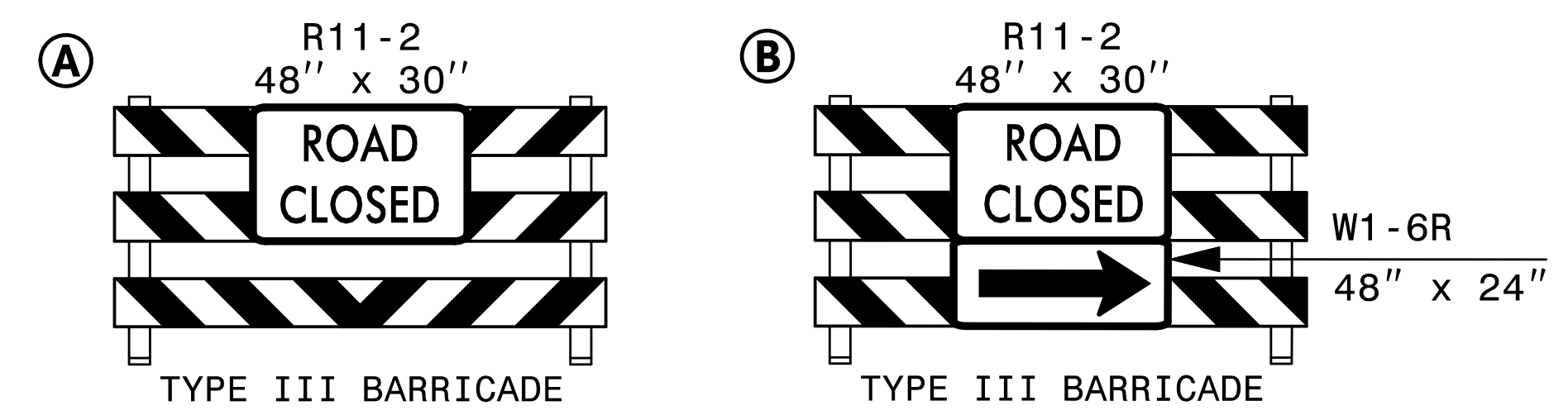
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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE II  
 DETAIL 1

1/23/2018  
 TCP\NR-2501c\_fc\_P2D1.dgn  
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REMOVE CONFLICTING PAVEMENT MARKING  
FROM STA 1153+50 TO STA 1162+50+/-.

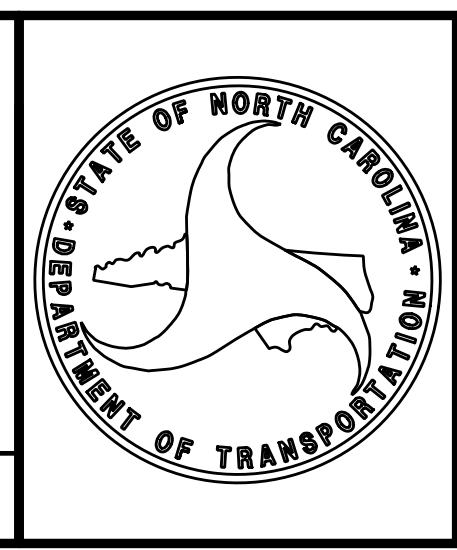
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HNTB

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343 E. Six Forks Road, Suite 200  
Raleigh, North Carolina 27609  
NC License No: C-1554

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F34CAF5AC8BF48A...  
DATE: 1/23/2018

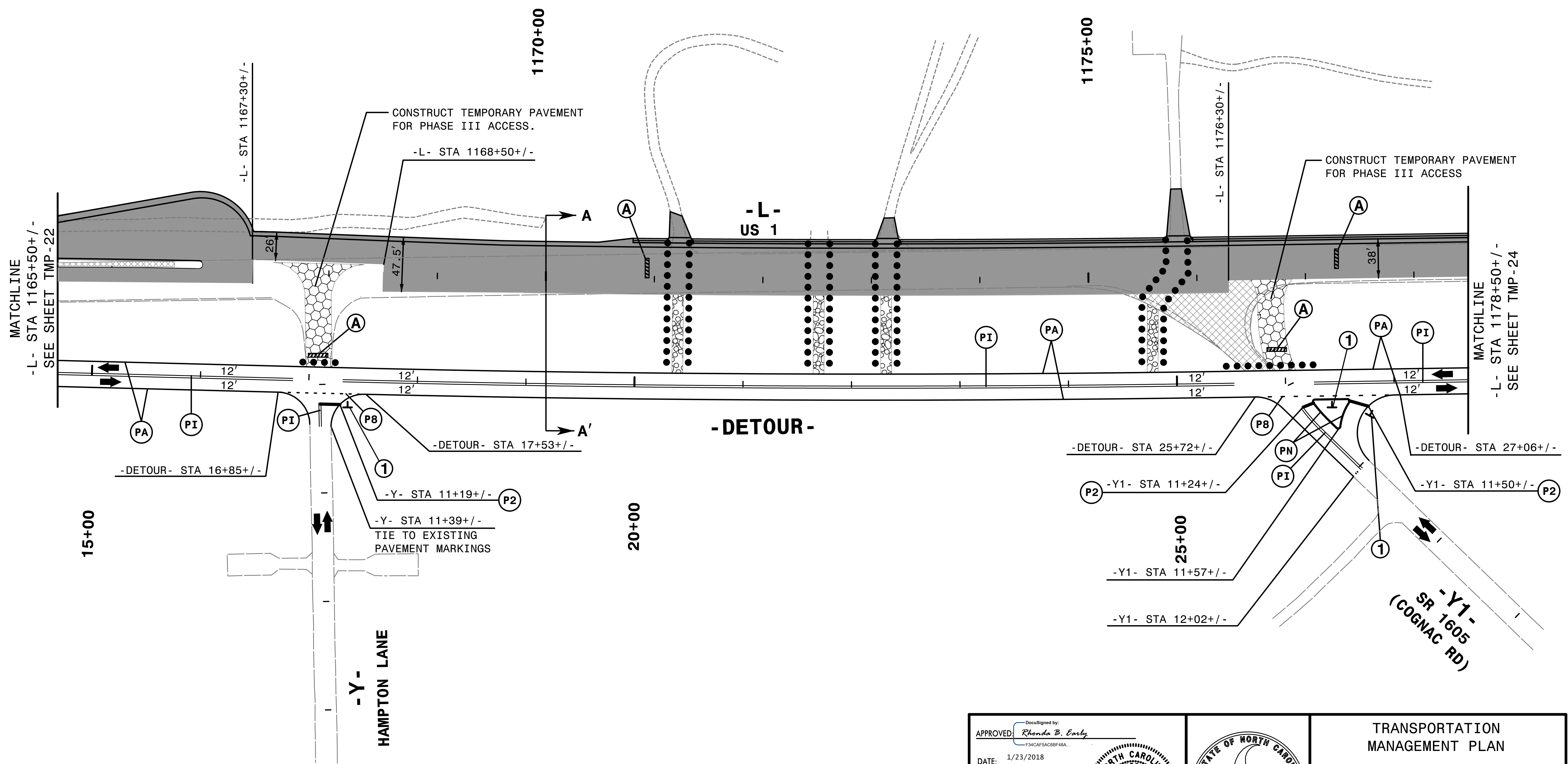
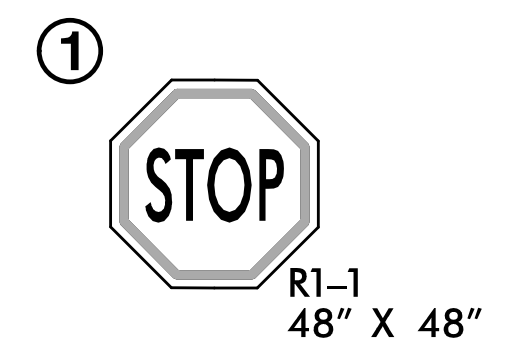
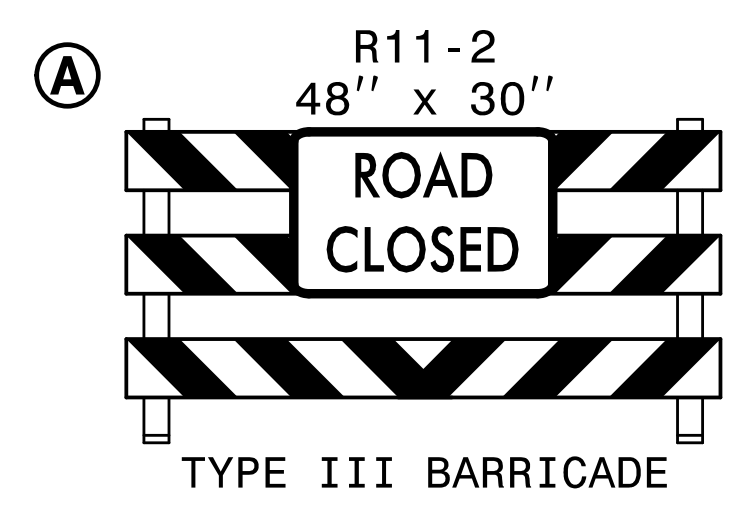
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MANAGEMENT PLAN

PHASE II  
DETAIL 2



REFER TO SHEET TMP-31 FOR CUT SECTION(S).  
REFER TO SHEET TMP-2 FOR INTERSECTION RELOCATION DETAIL(S).

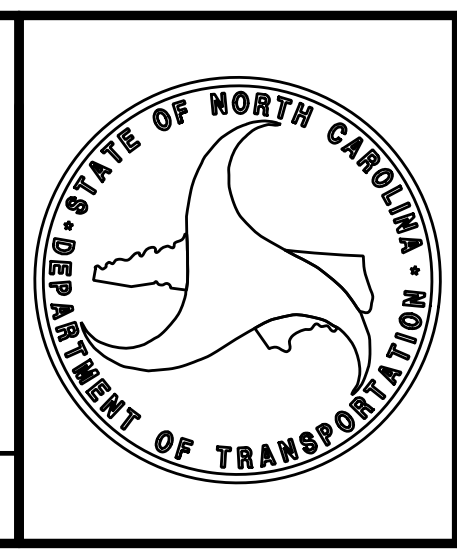


APPROVED: *Rhonda B. Early*  
F34CAF5AC8BF48A...  
DATE: 1/23/2018

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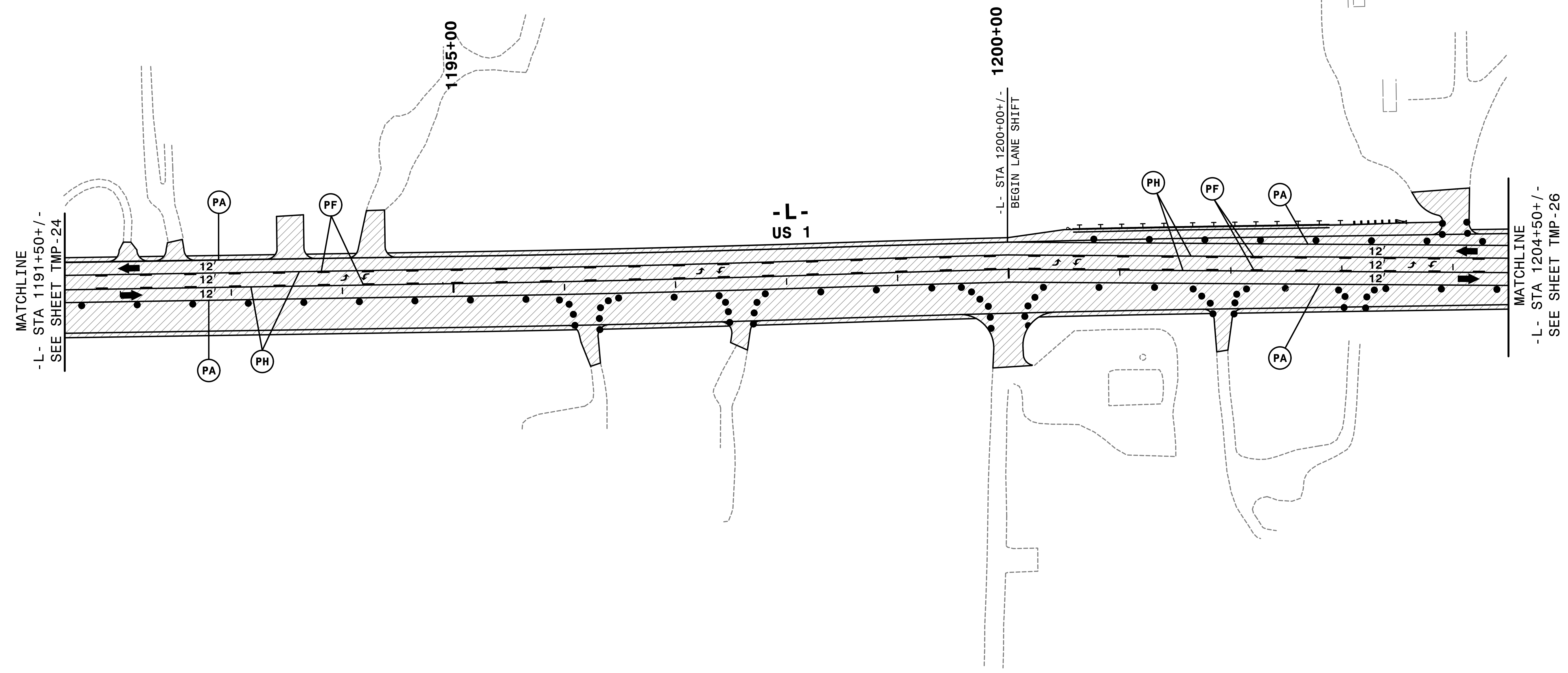
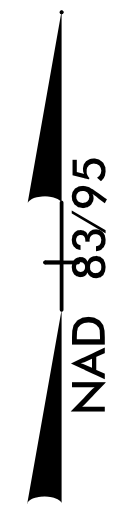
TRANSPORTATION  
MANAGEMENT PLAN

PHASE II  
DETAIL 3

1/23/2018  
TCP\NR-2501c\_fc\_P2D3.dgn  
HNTB







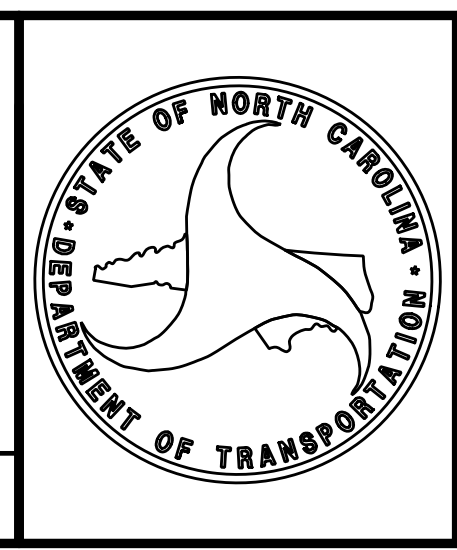
1/23/2018  
 TCP\NR-2501c\_fc\_P2D5.dgn  
 HNTB



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Rhonda B. Early  
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 DATE: 1/23/2018

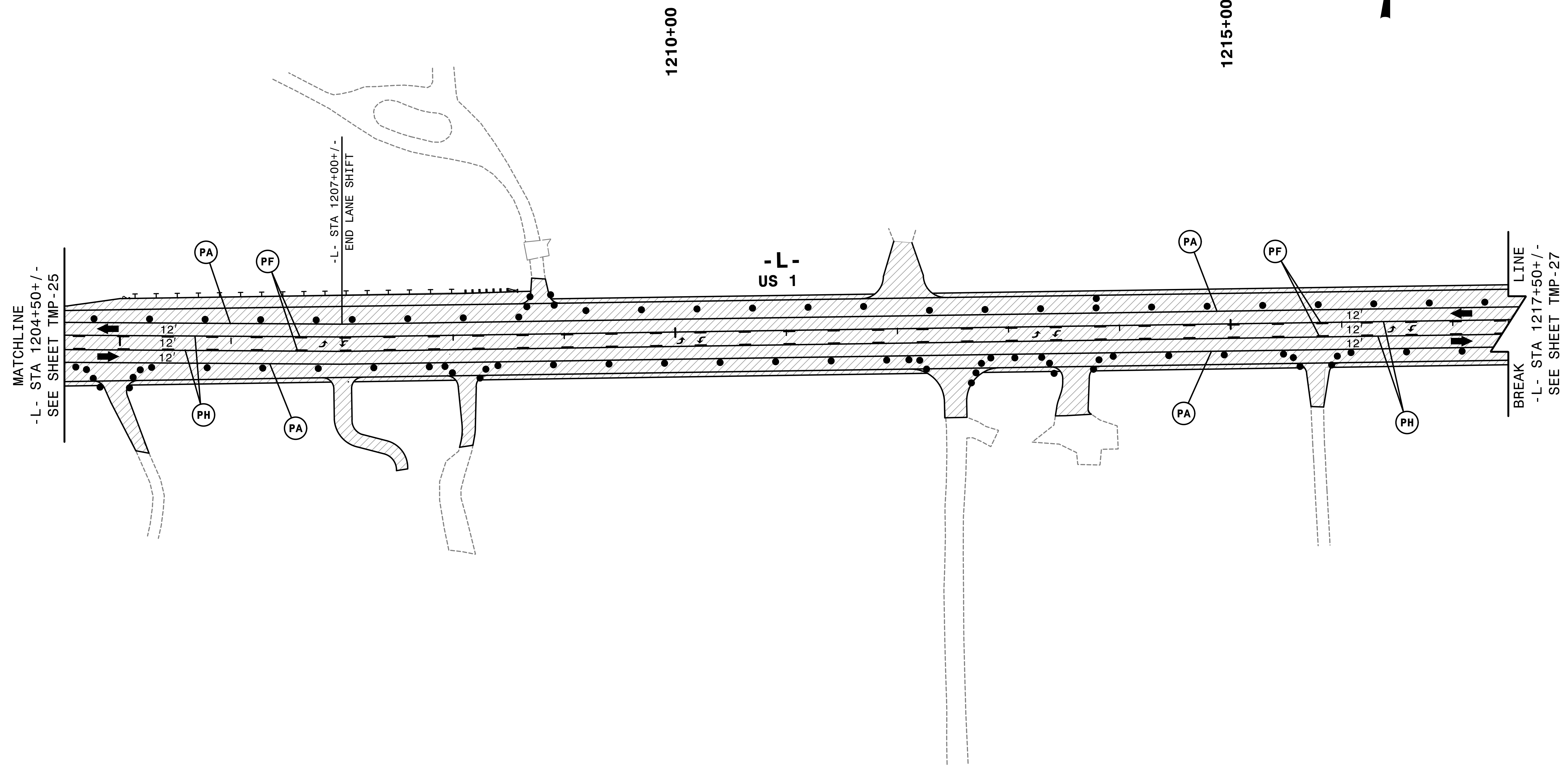
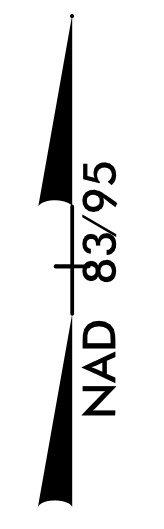
**SEAL**  
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 ENGINEER  
 RHONDA B. EARLY  
 023521

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TRANSPORTATION  
 MANAGEMENT PLAN

**PHASE II  
 DETAIL 5**

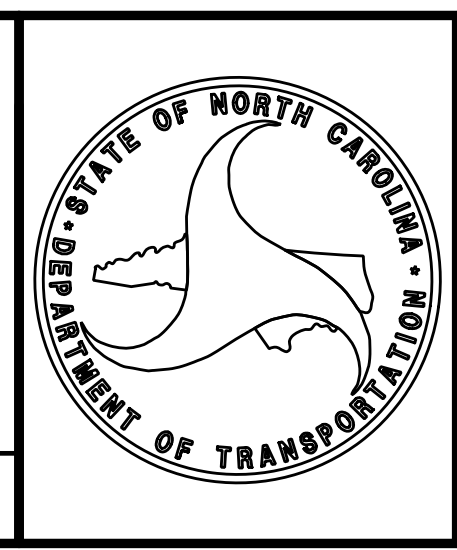


1/23/2018  
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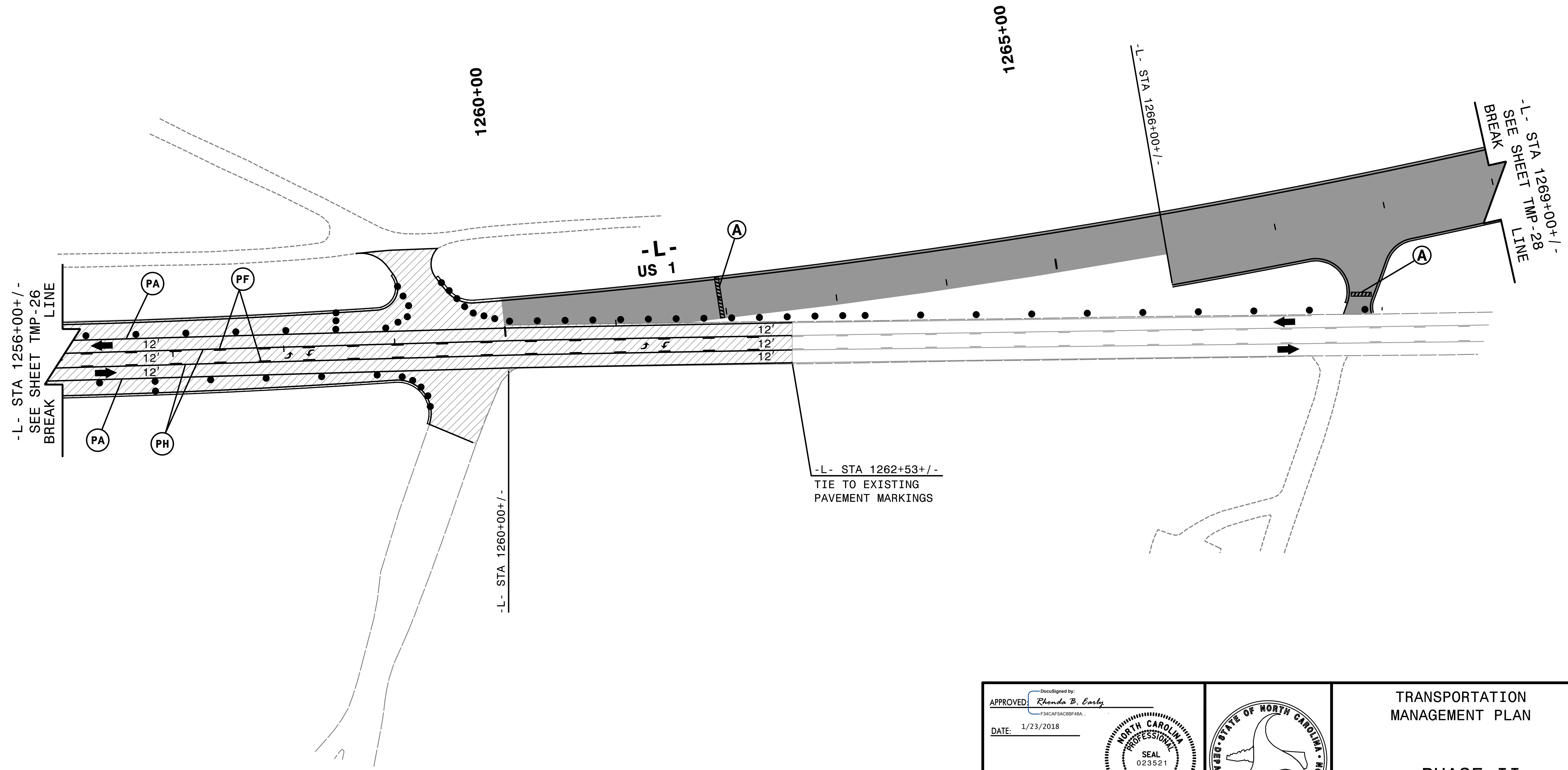
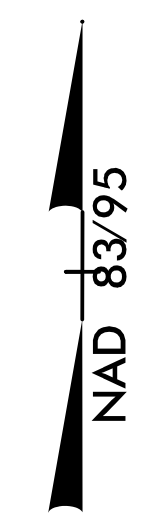
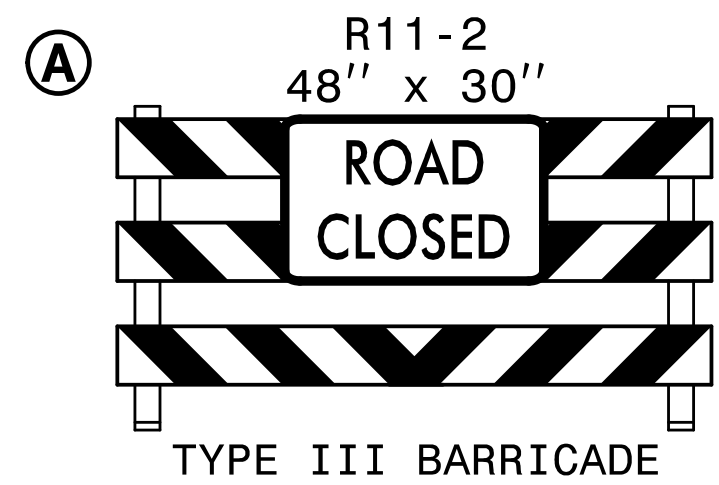
APPROVED: *Rhonda B. Early*  
DocuSigned by:  
Rhonda B. Early  
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 DATE: 1/23/2018

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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE II  
 DETAIL 6



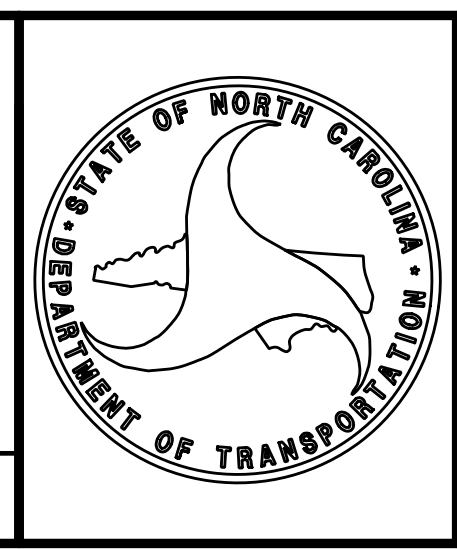
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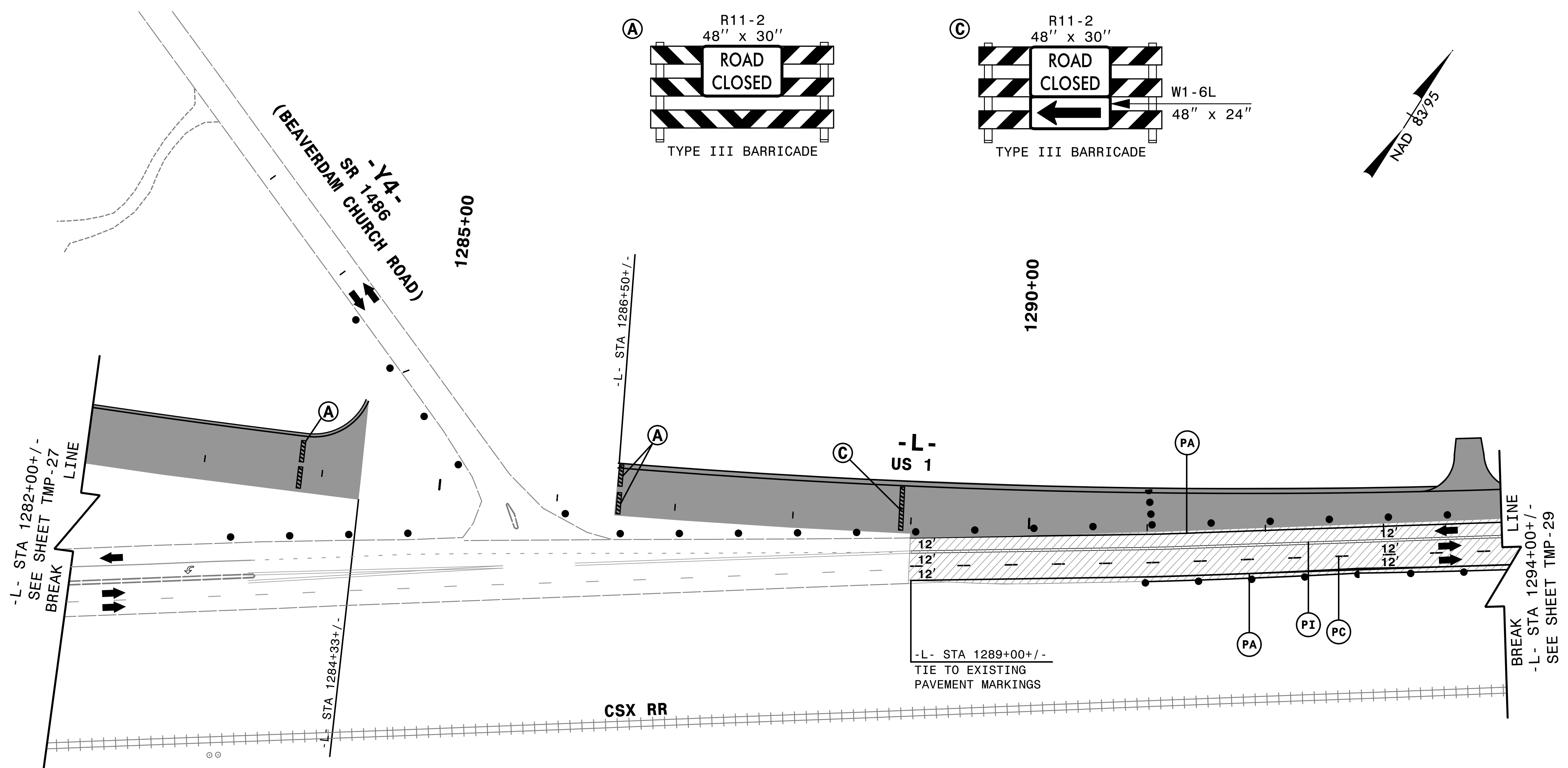
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 MANAGEMENT PLAN

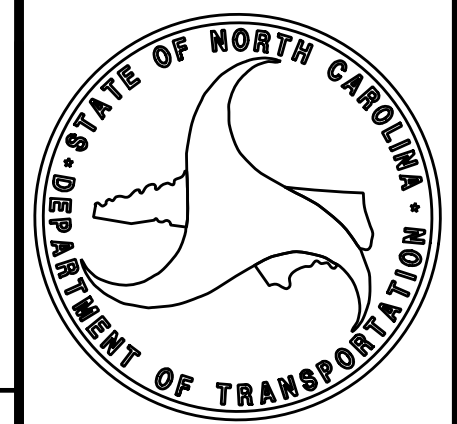
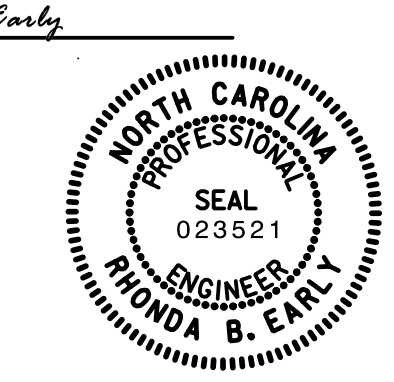
PHASE II  
 DETAIL 7



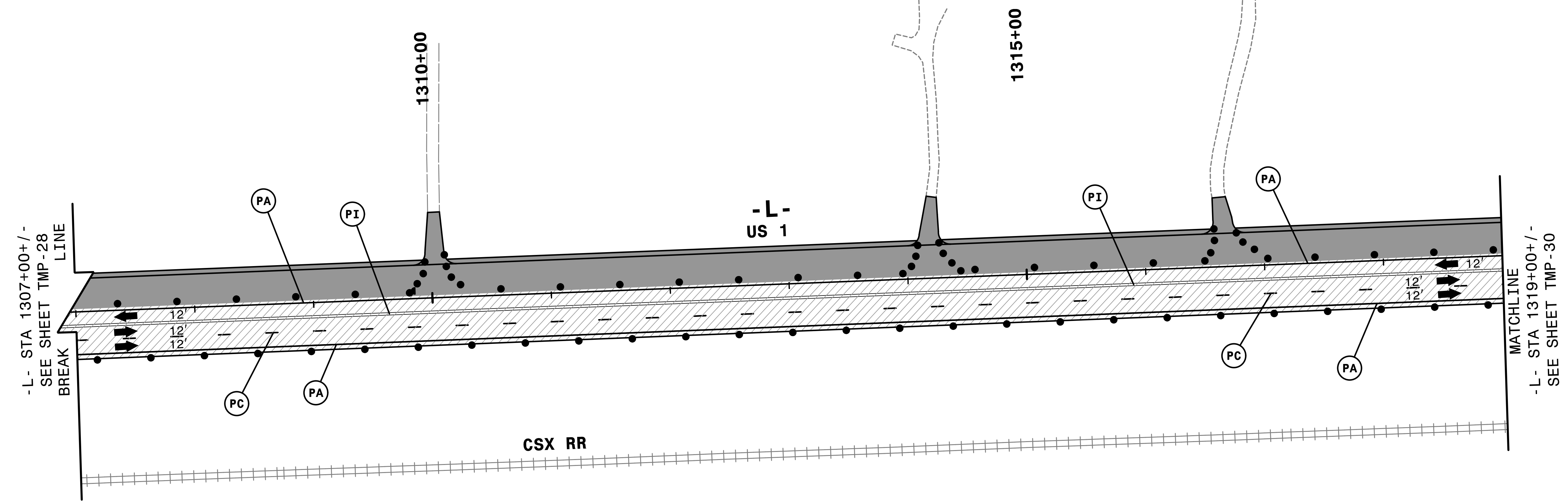
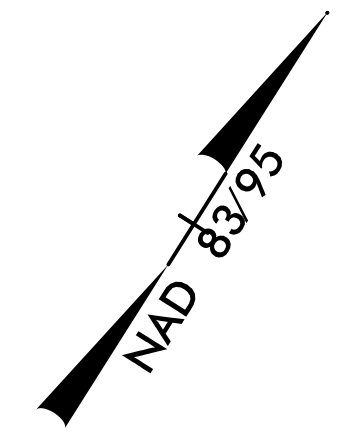
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 DATE: 1/23/2018  
  
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TRANSPORTATION  
 MANAGEMENT PLAN  
  
 PHASE II  
 DETAIL 8

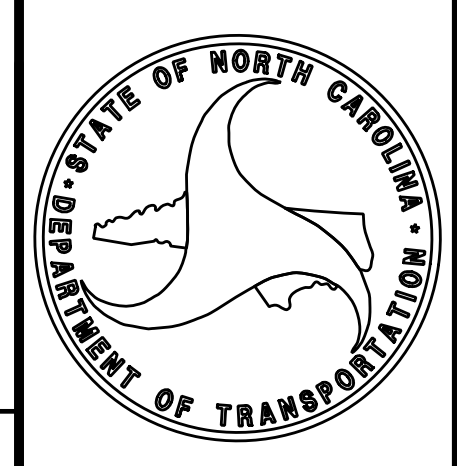


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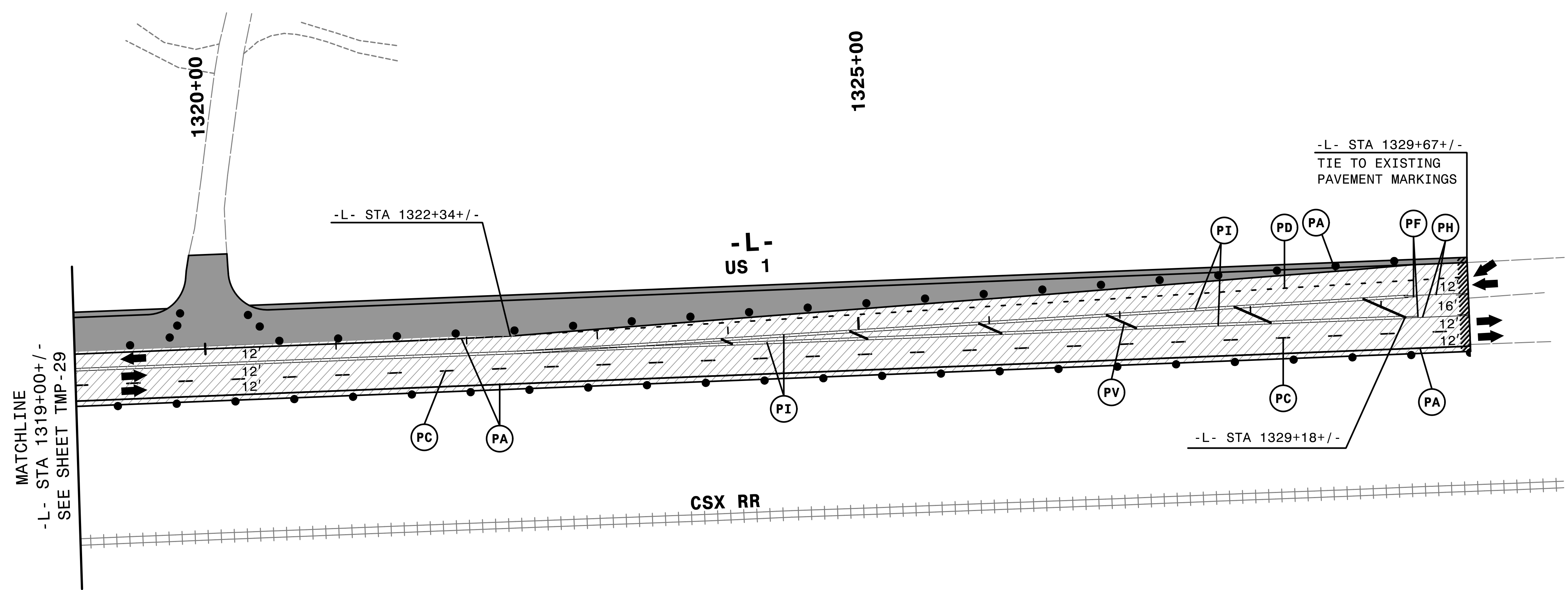
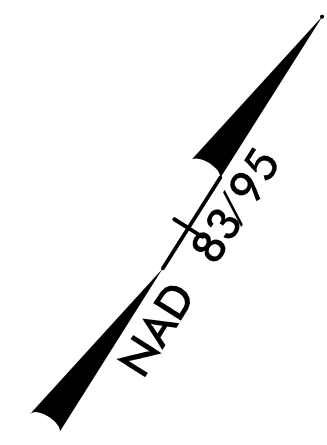


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 DATE: 1/23/2018

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MANAGEMENT PLAN**  
  
**PHASE II  
DETAIL 9**



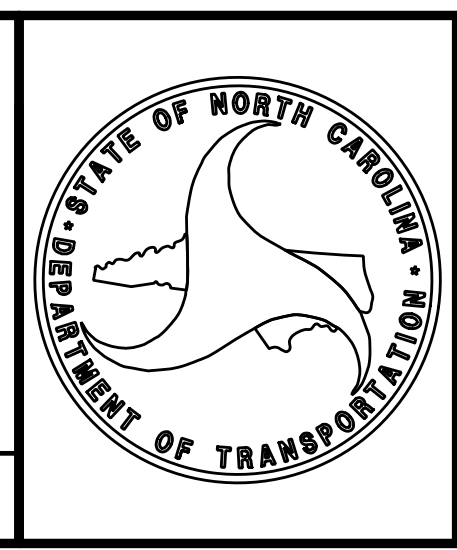
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 DATE: 1/23/2018

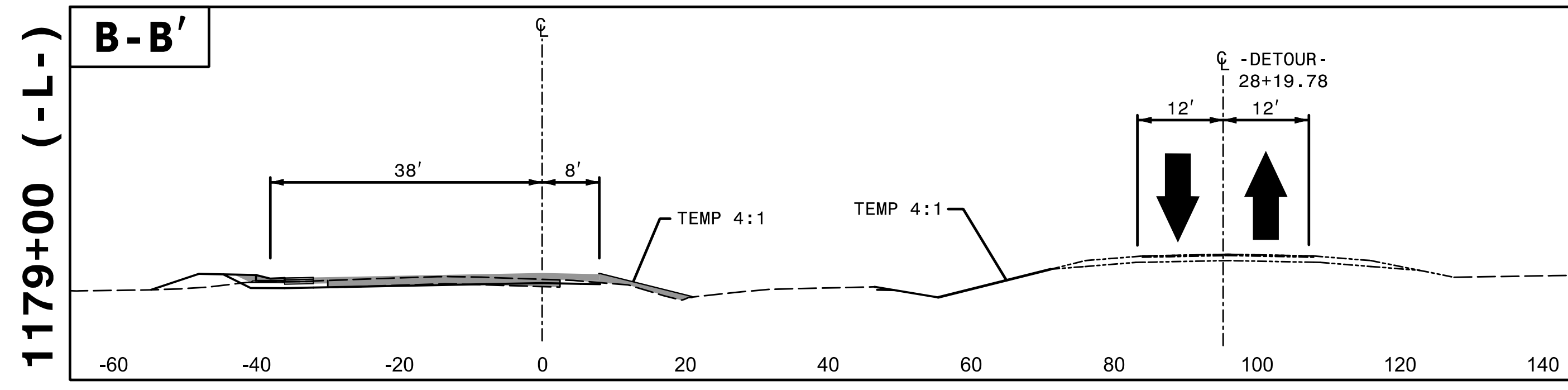
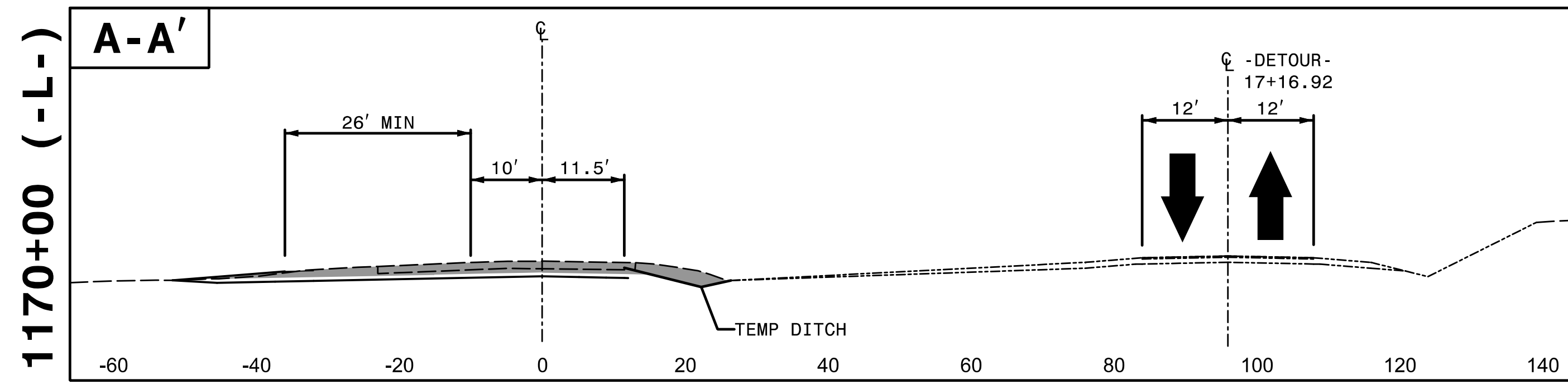
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 ENGINEER  
 RHONDA B. EARLY  
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 MANAGEMENT PLAN

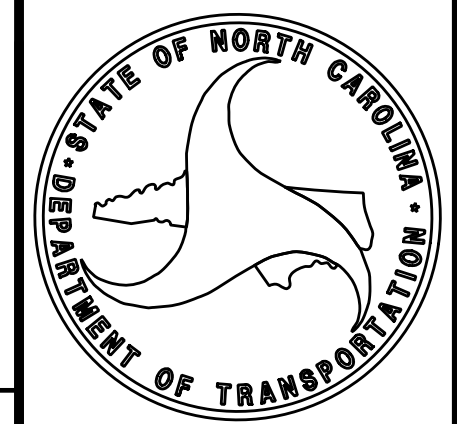
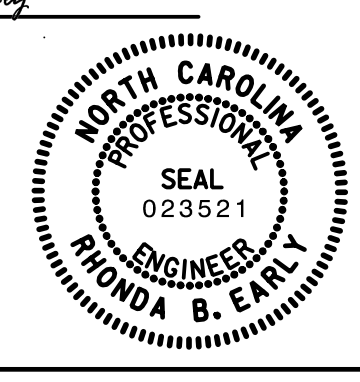
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 DETAIL 10



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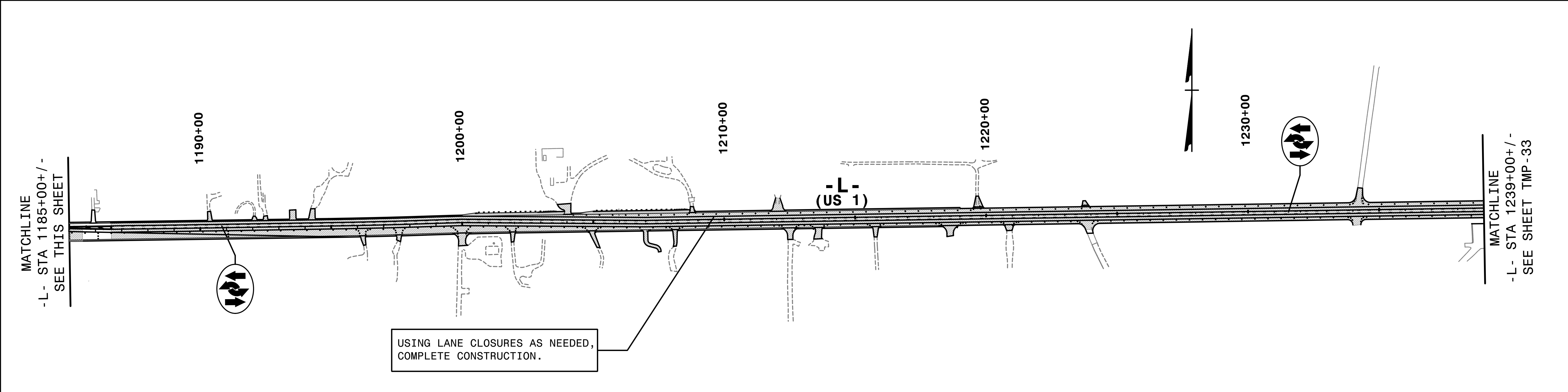
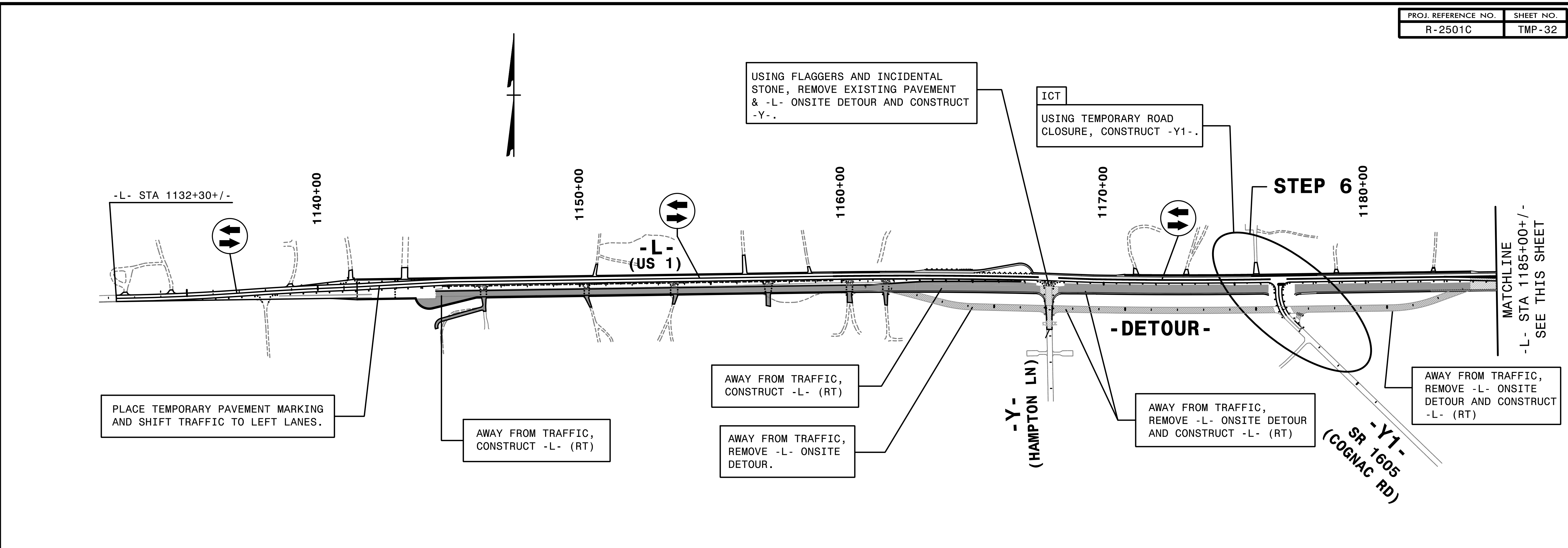
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TRANSPORTATION  
 MANAGEMENT PLAN  
  
 PHASE II  
 CUT SECTIONS





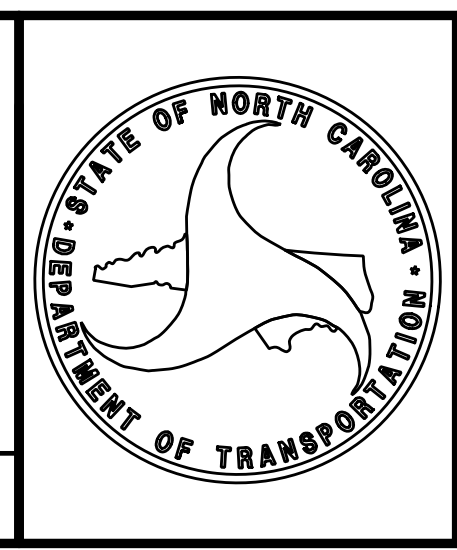
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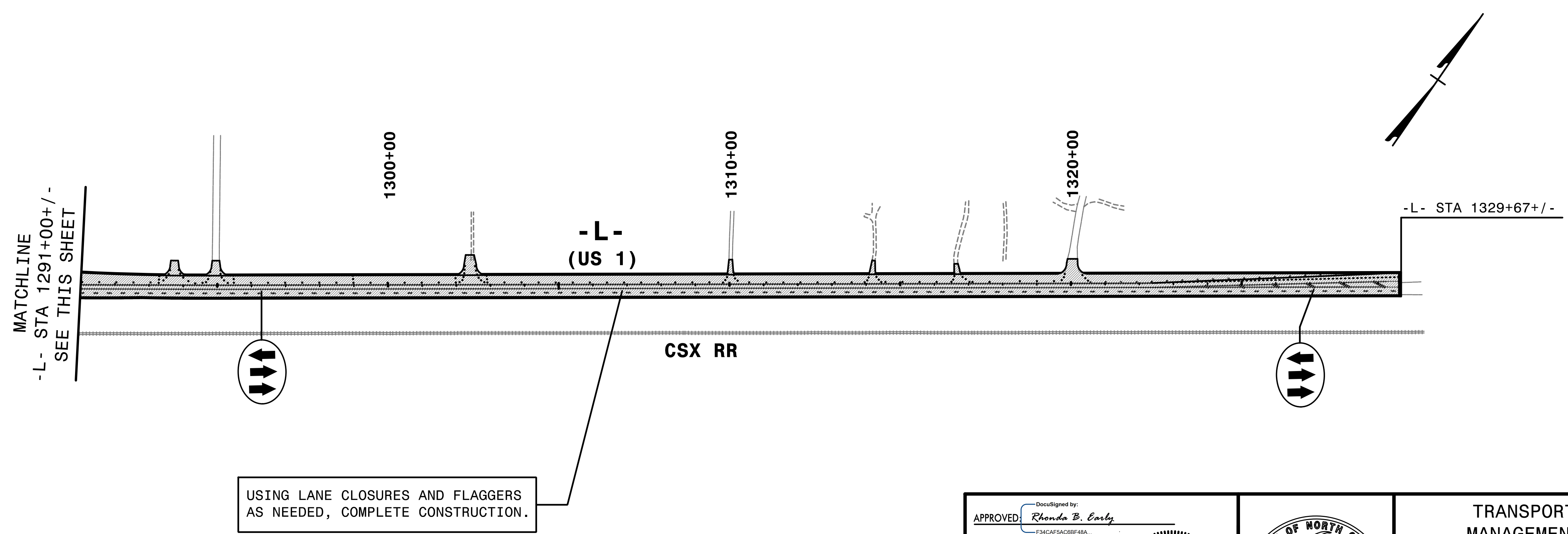
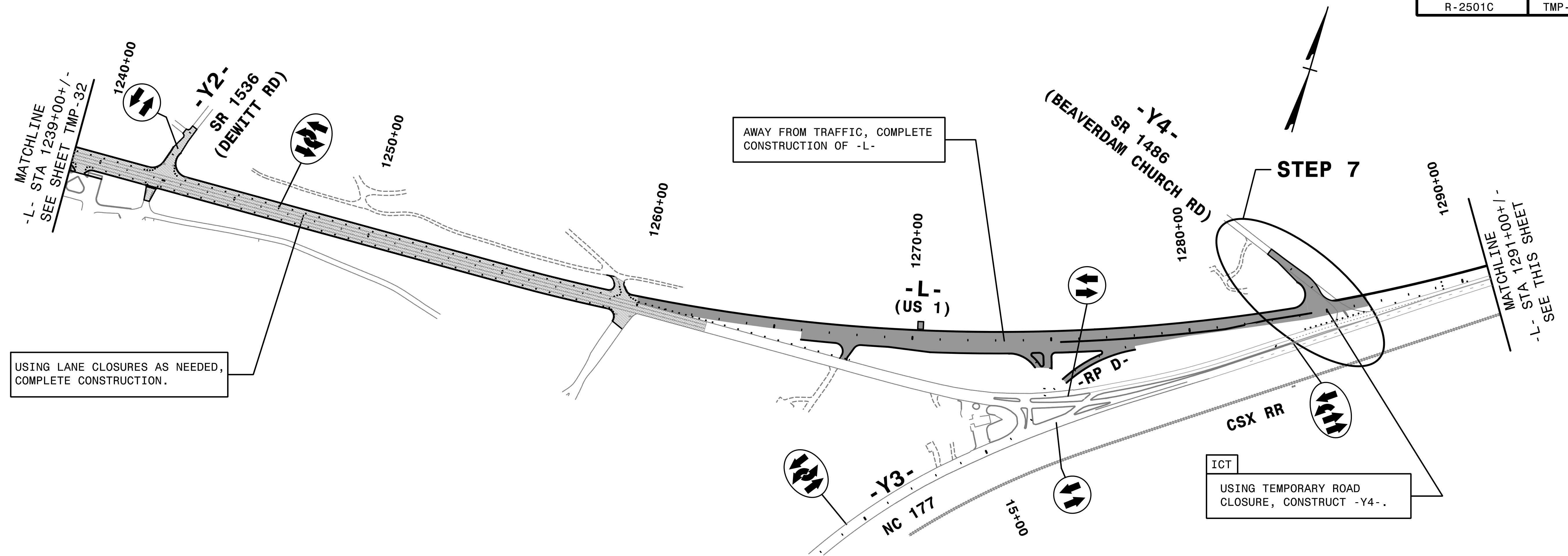
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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE III  
 OVERVIEW

SHEET 1 OF 2



1/23/2018  
TCP\NR-2501c\_fc\_p3\_0Vs.dgn  
HNTB

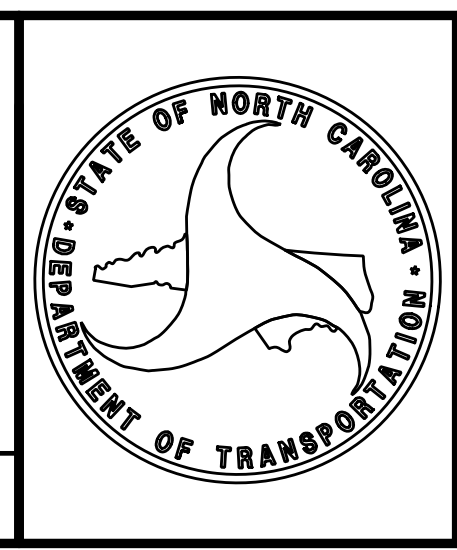


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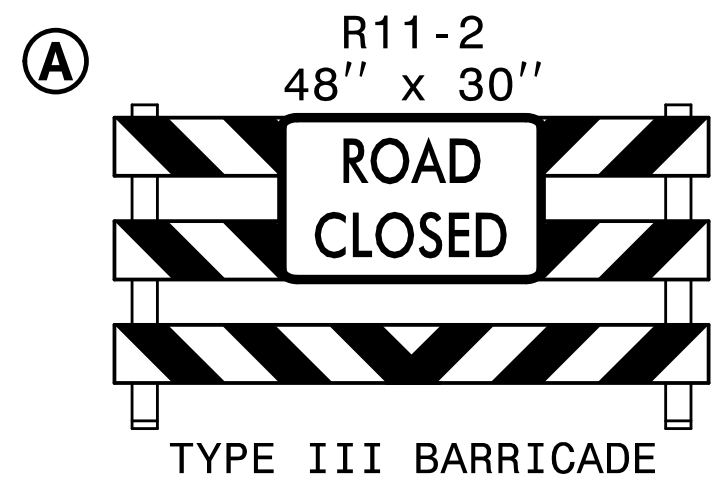
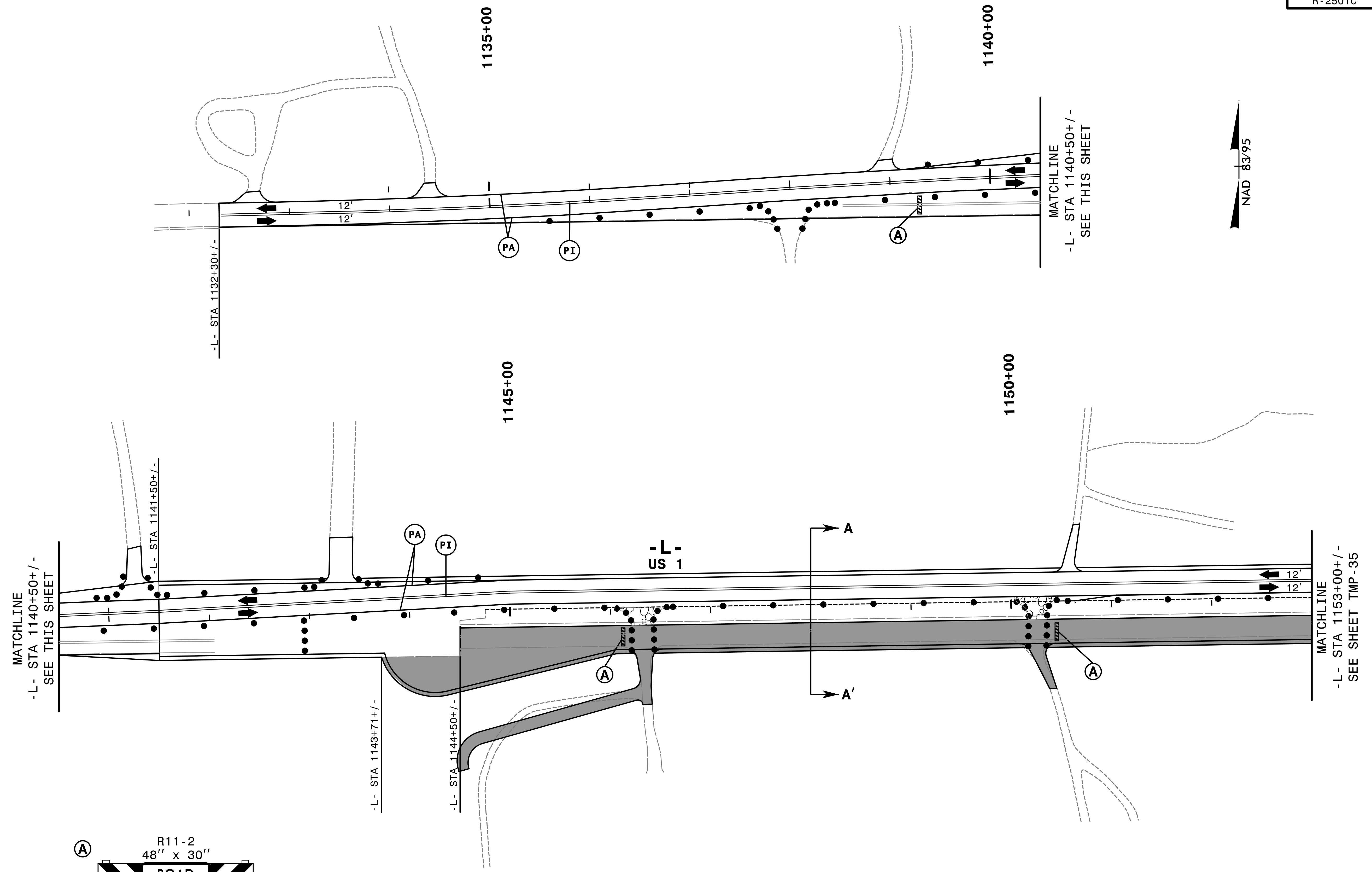
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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE III  
 OVERVIEW

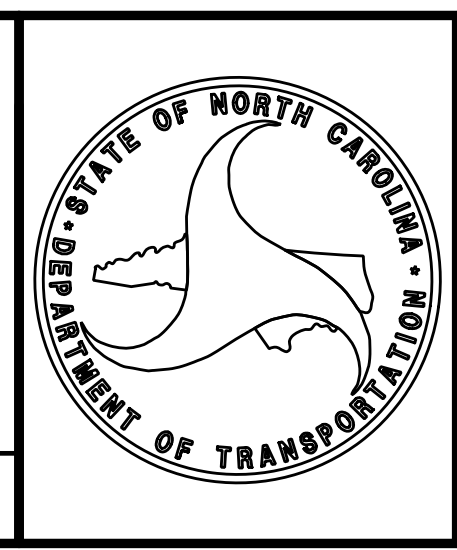
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1/23/2018  
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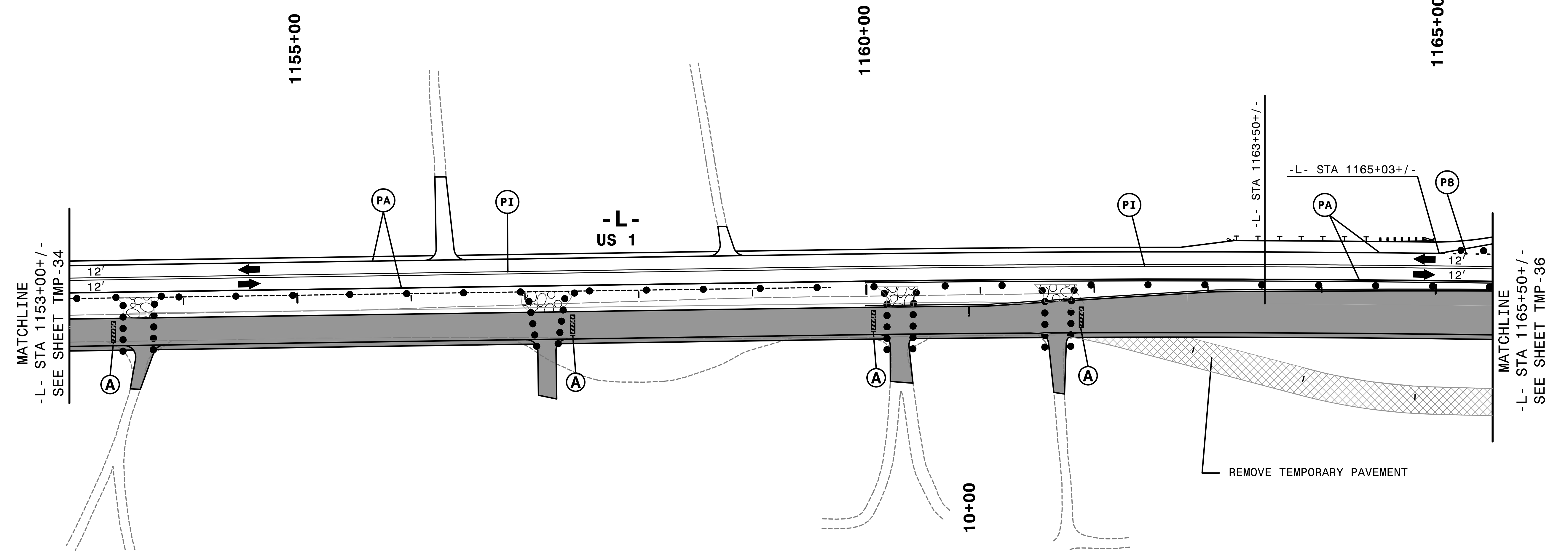
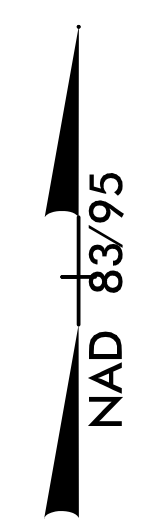
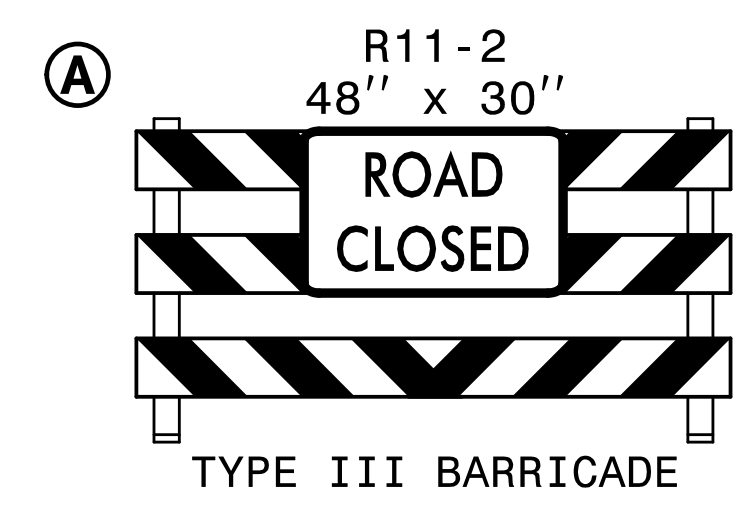
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 RALEIGH, NORTH CAROLINA 27609  
 NC LICENSE NO: C-1554

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 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 023521  
 RHONDA B. EARLY



TRANSPORTATION  
 MANAGEMENT PLAN  
 PHASE III  
 DETAIL 1

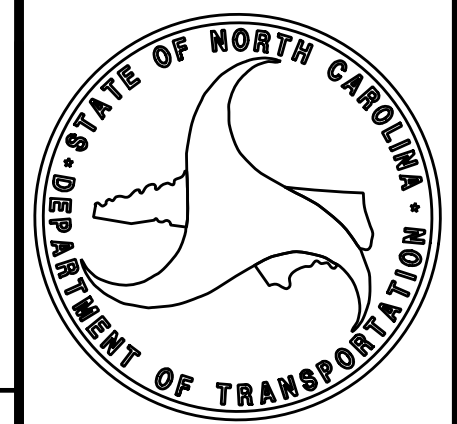
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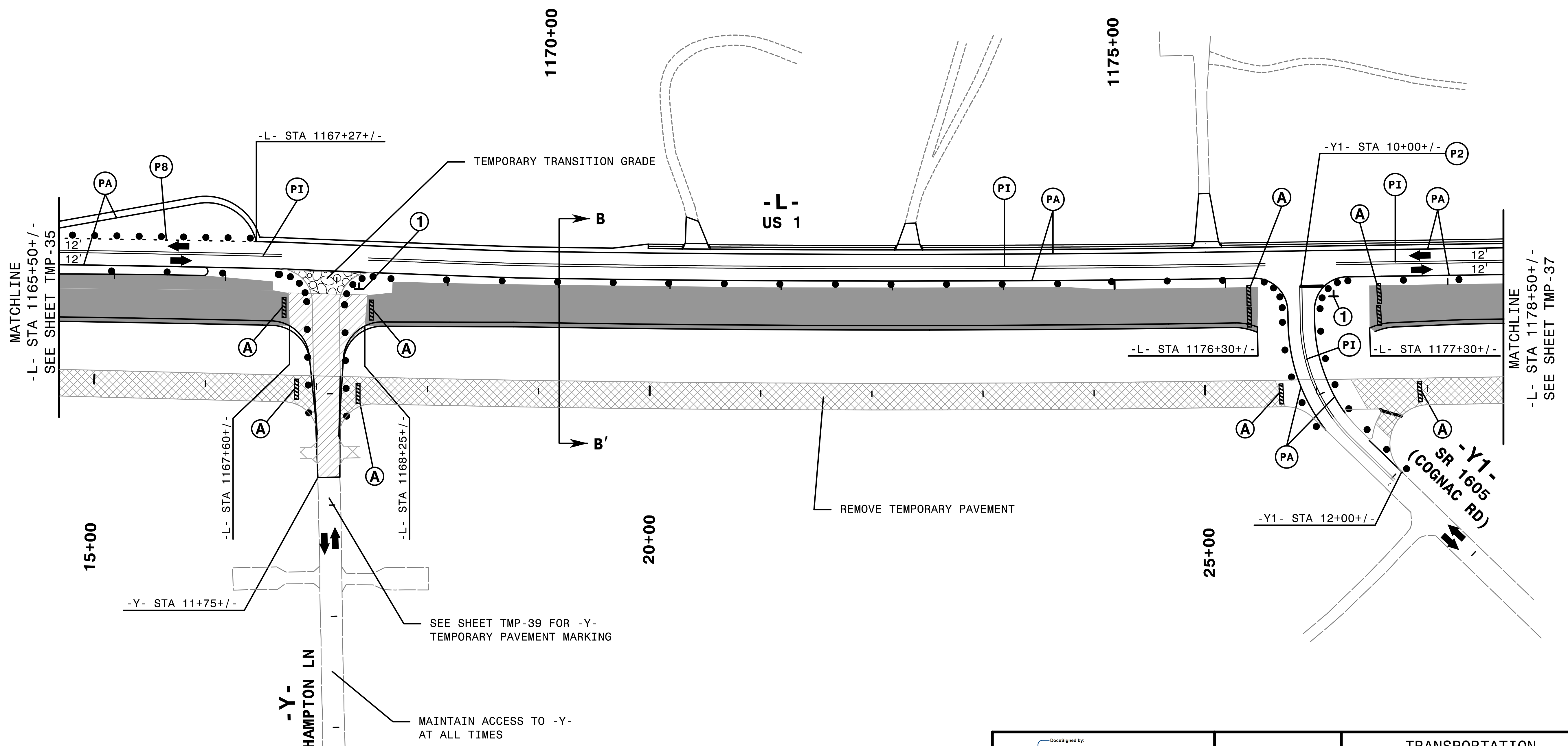
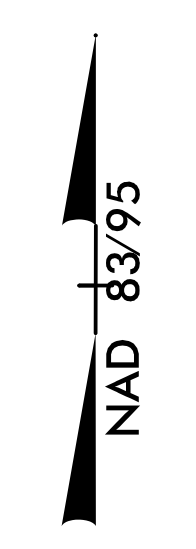
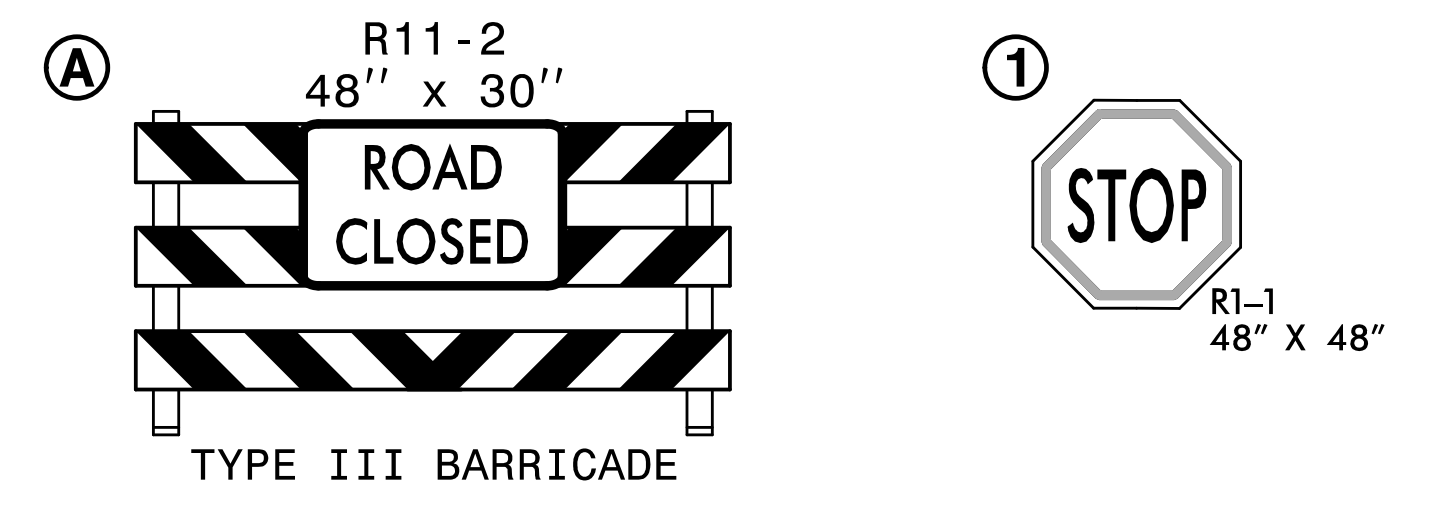
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TRANSPORTATION  
MANAGEMENT PLAN  
  
PHASE III  
DETAIL 2



REFER TO SHEET TMP-38 FOR CUT SECTION(S).

REMOVE CONFLICTING PAVEMENT MARKING AT INTERSECTION OF -Y-/DETOUR AND -Y1-/DETOUR.

REFER TO SHEET TMP-2 FOR INTERSECTION RELOCATION DETAIL(S).



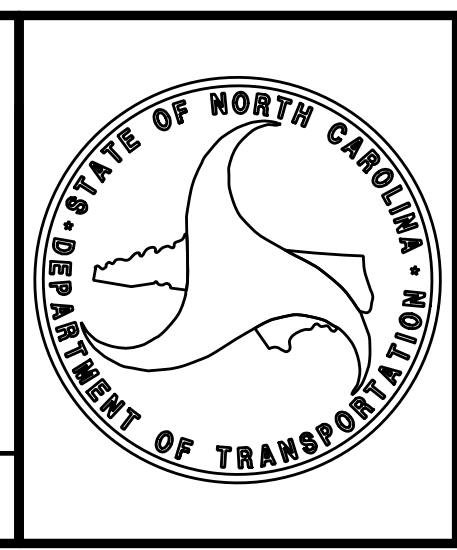
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Rhonda B. Early

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023521  
ENGINEER  
RHONDA B. EARLY

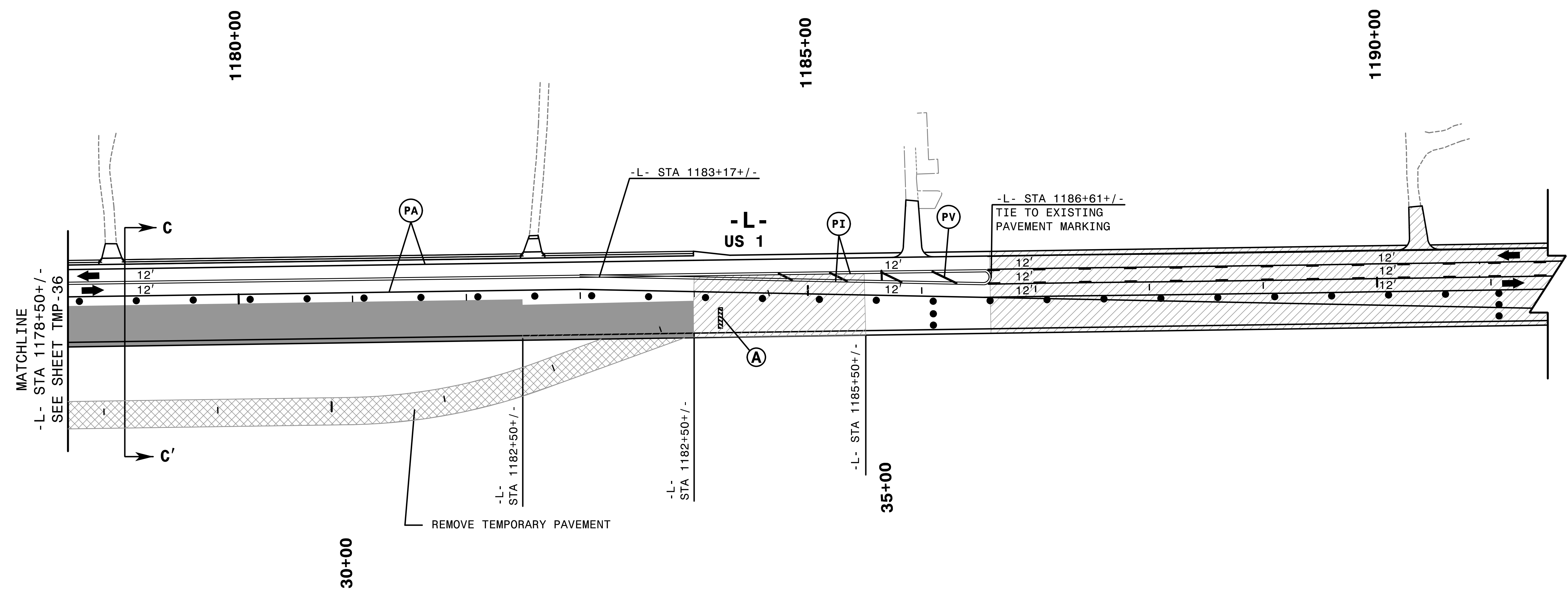
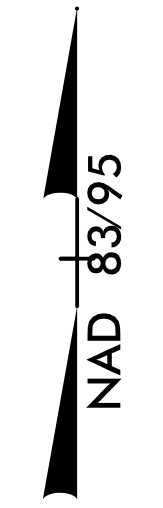
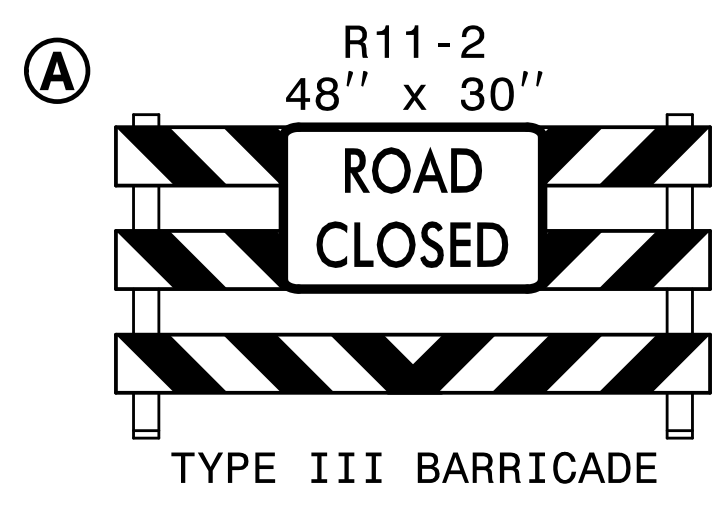
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MANAGEMENT PLAN

PHASE III  
DETAIL 3

1/23/2018  
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REFER TO SHEET TMP-38 FOR CUT SECTION(S).

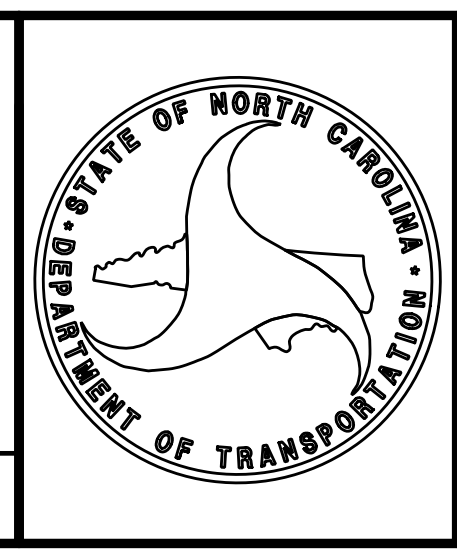
REMOVE CONFLICTING PAVEMENT MARKING FROM STA 1185+00+/- TO STA 1186+00+/-.

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 DATE: 1/23/2018

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 NORTH CAROLINA  
 SEAL  
 023521  
 RHONDA B. EARLY

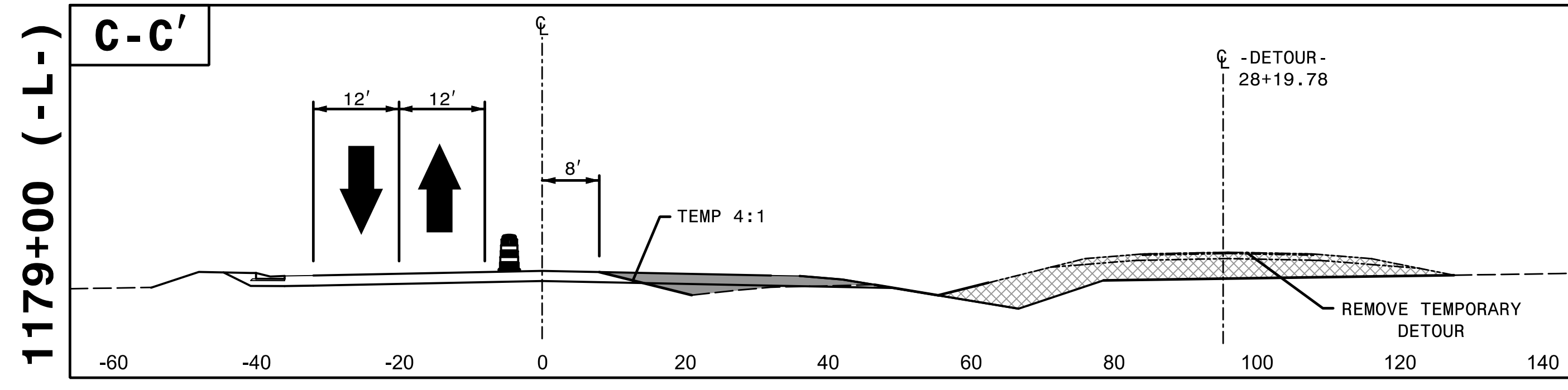
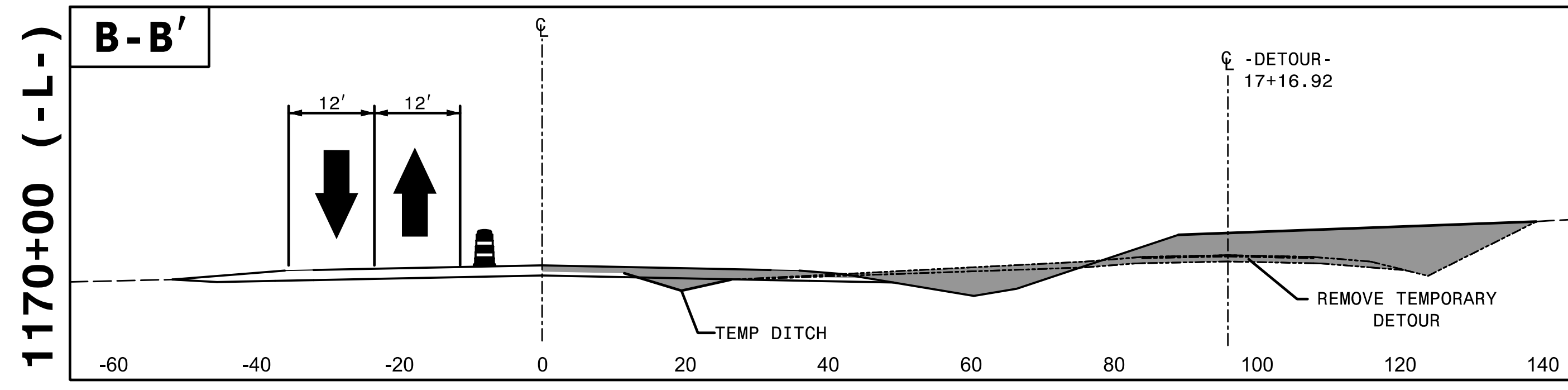
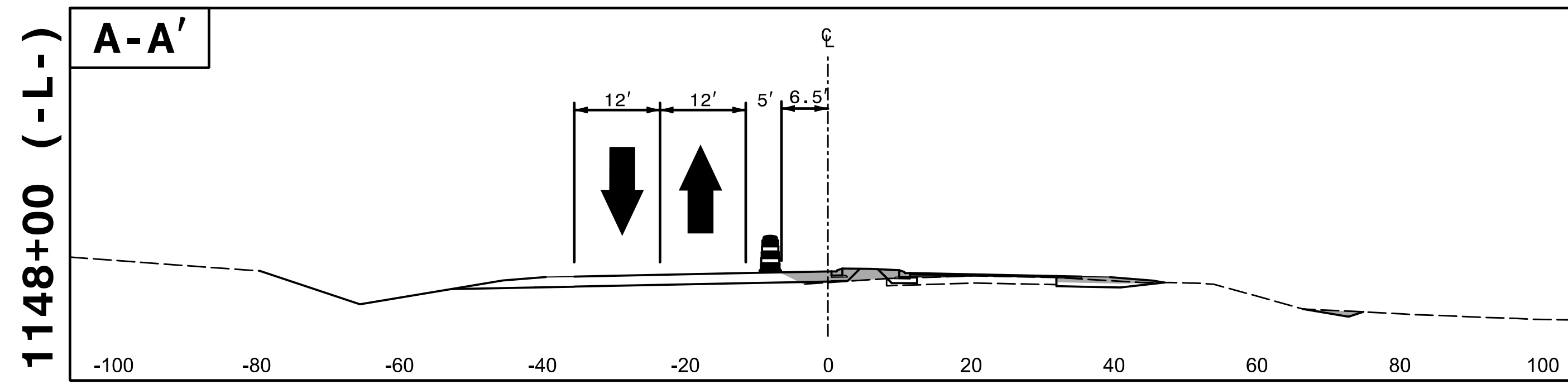
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TRANSPORTATION MANAGEMENT PLAN

PHASE III  
 DETAIL 4

1/23/2018  
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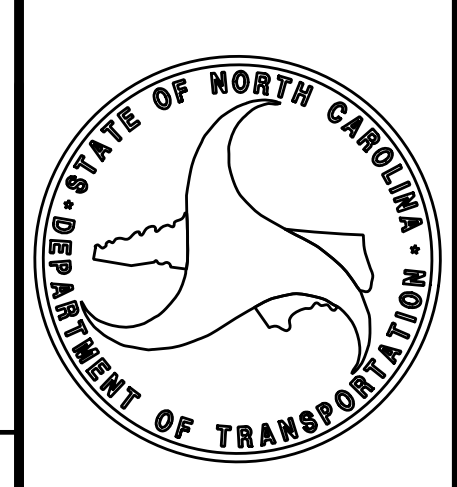
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F34CAF5AC28F48A...  
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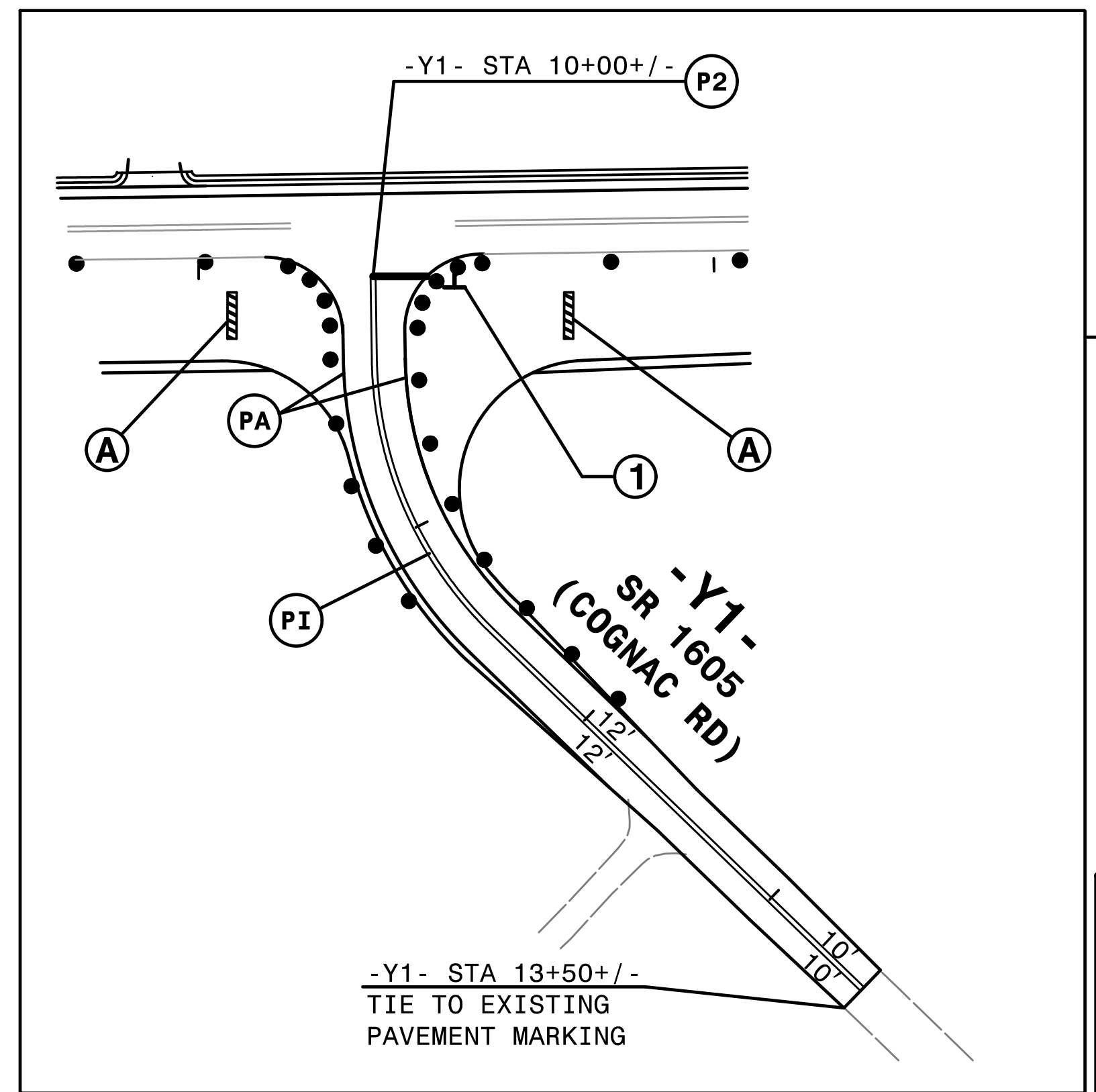
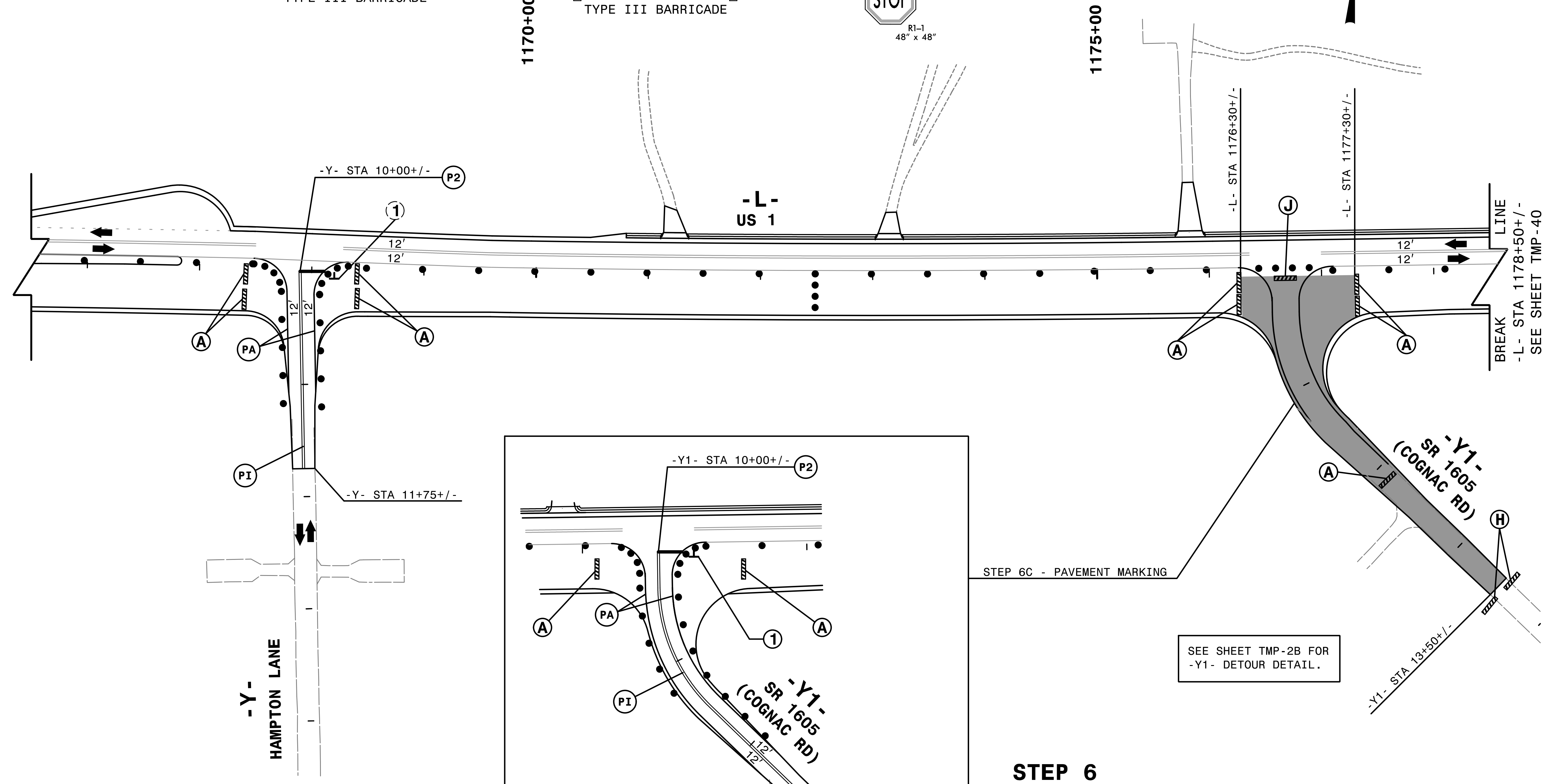
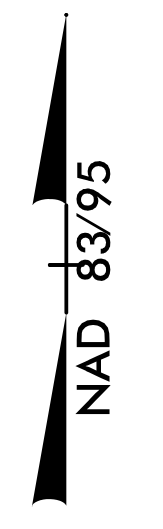
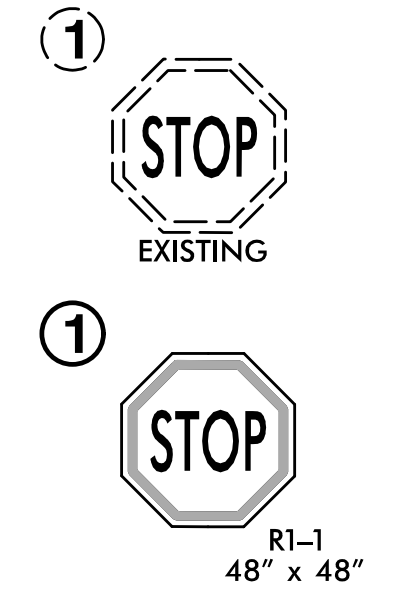
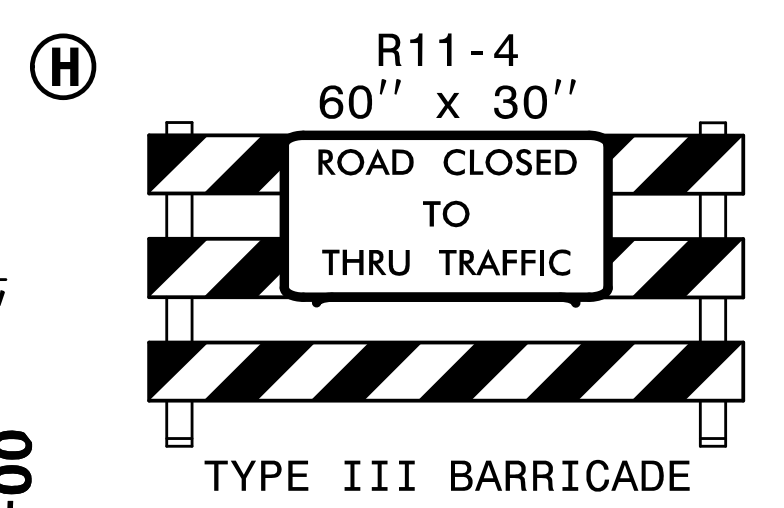
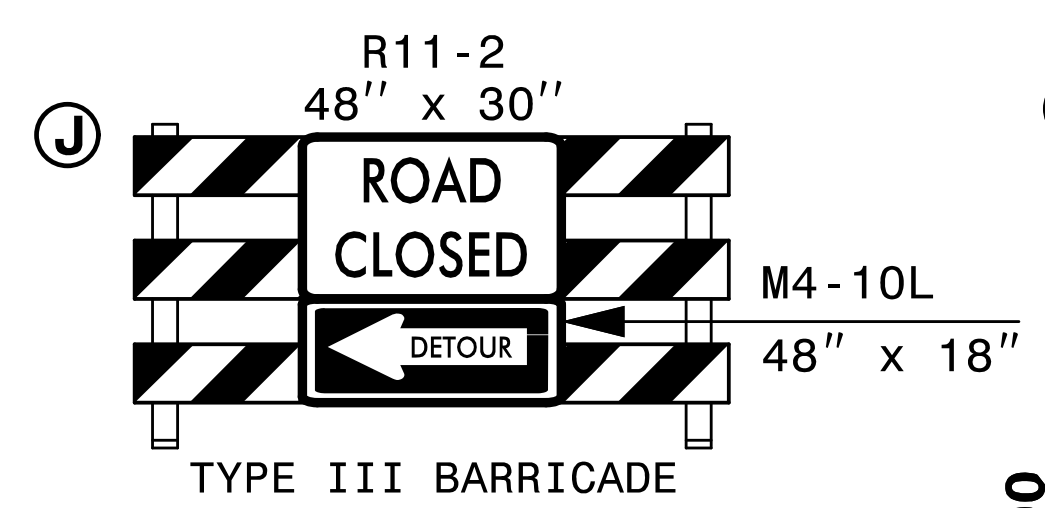
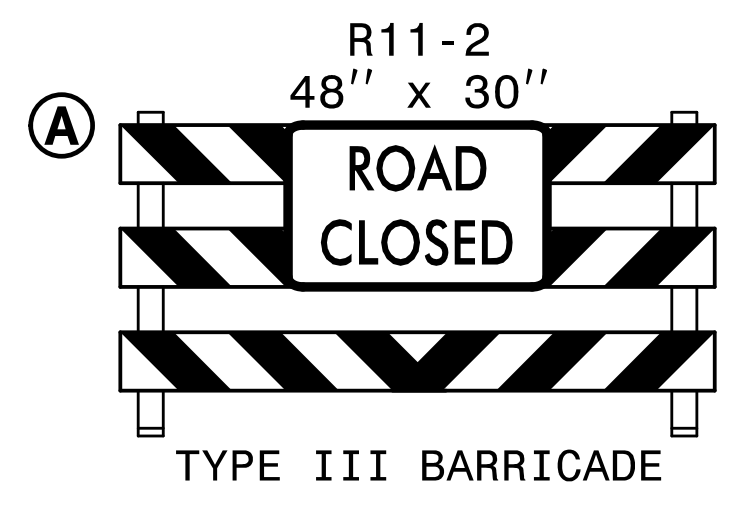
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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE III  
 CUT SECTIONS



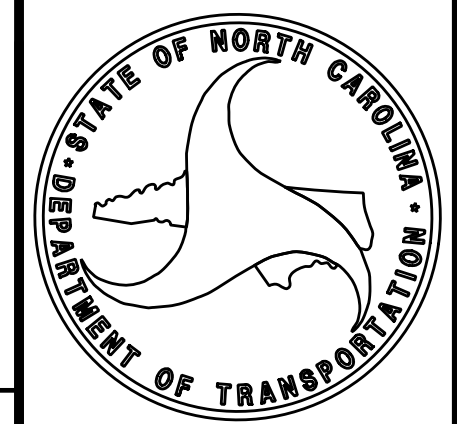
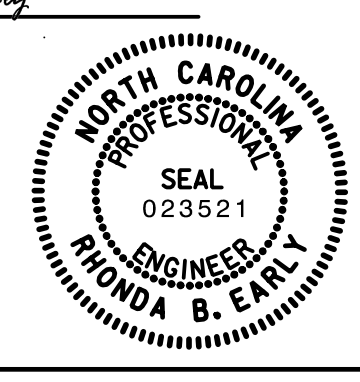
STEP 6C - PAVEMENT MARKING

SEE SHEET TMP-2B FOR  
-Y1- DETOUR DETAIL.

**STEP 6**

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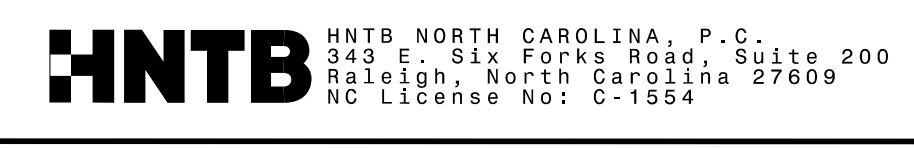
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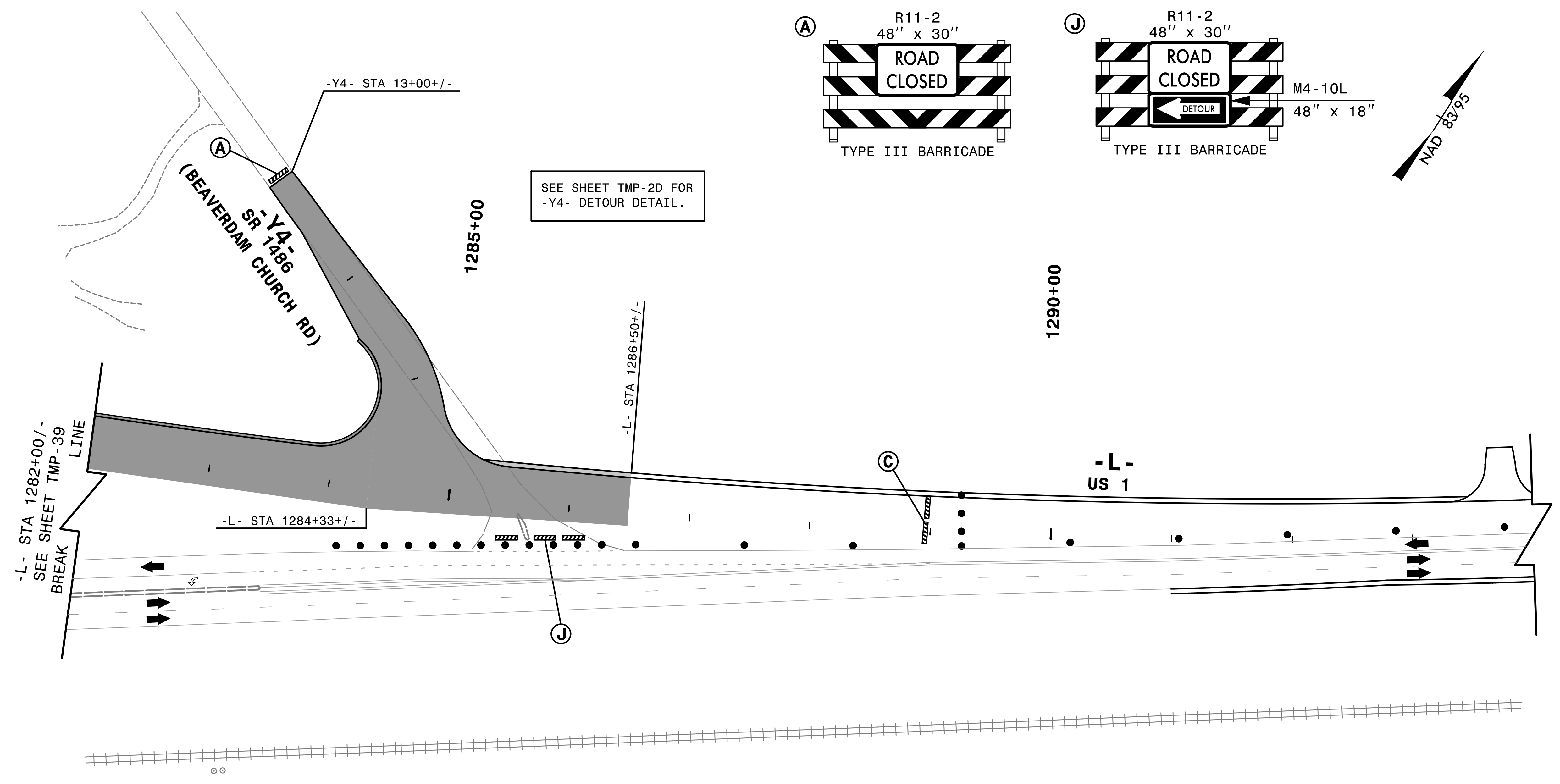
PHASE IIIA  
DETAIL 1

REFER TO SHEET TMP-2 FOR INTERSECTION RELOCATION DETAIL(S).

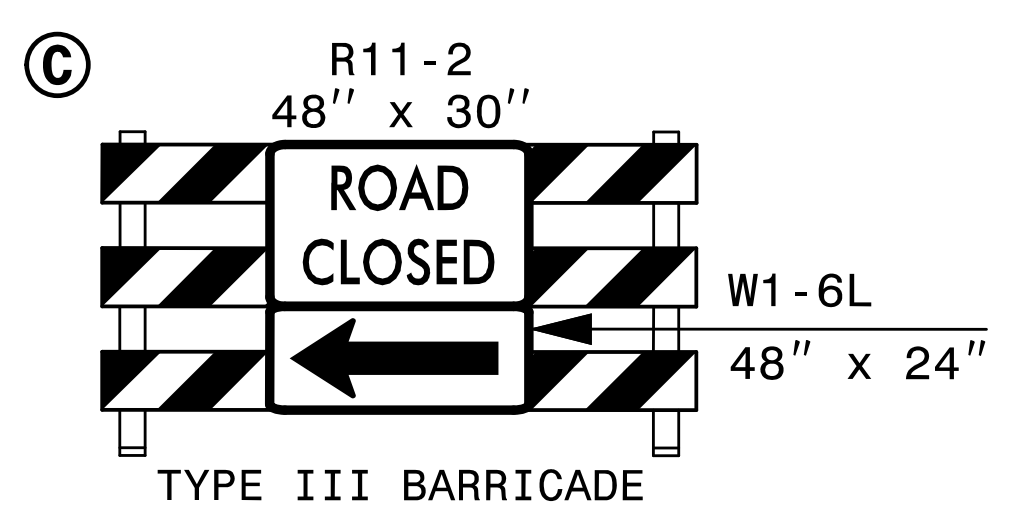
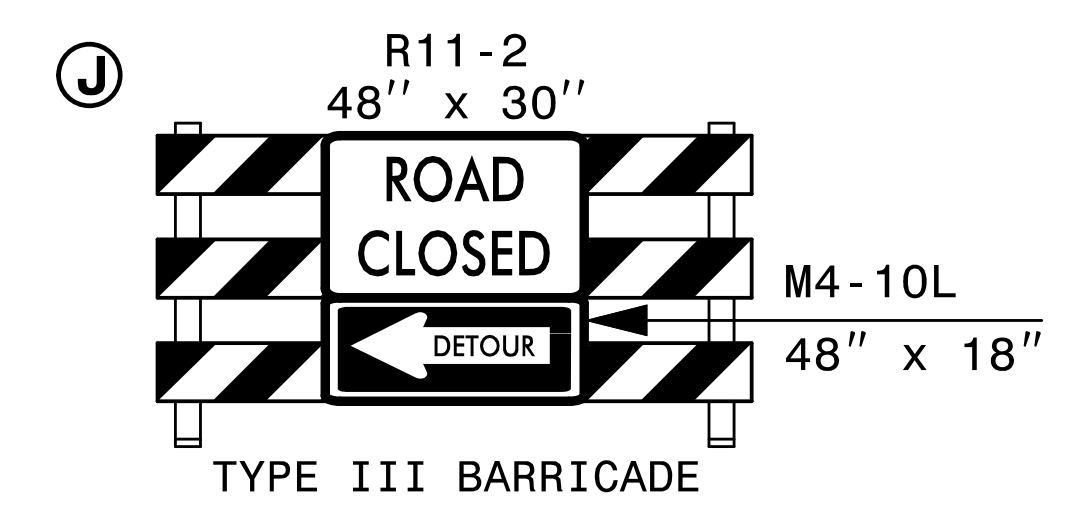
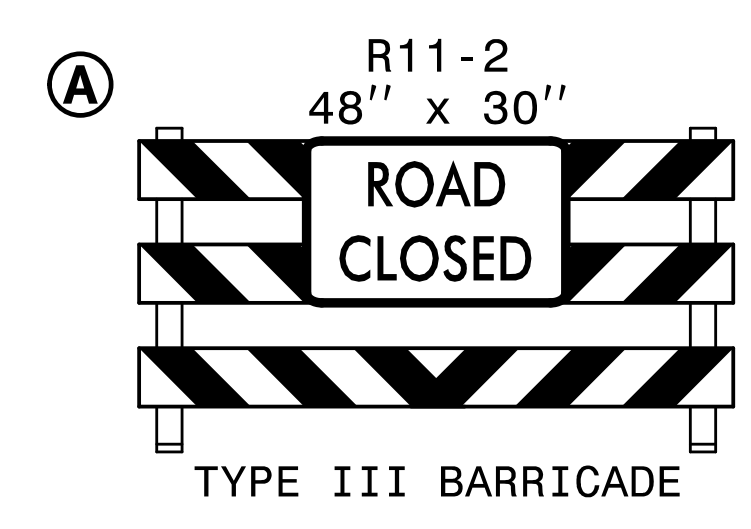


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TCP\NR-2501c\_fc\_P3aD1.dgn  
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SEE SHEET TMP-2D FOR  
-Y4- DETOUR DETAIL.



**STEP 7**

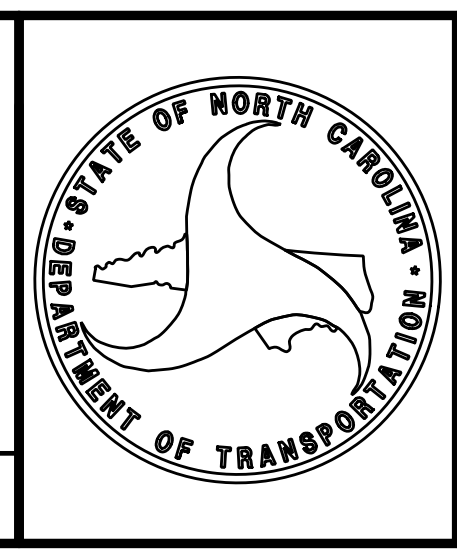
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TCP\NR-2501c\_fc\_P3ad2.dgn  
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F34CAF5AC8BF48A...  
DATE: 1/23/2018

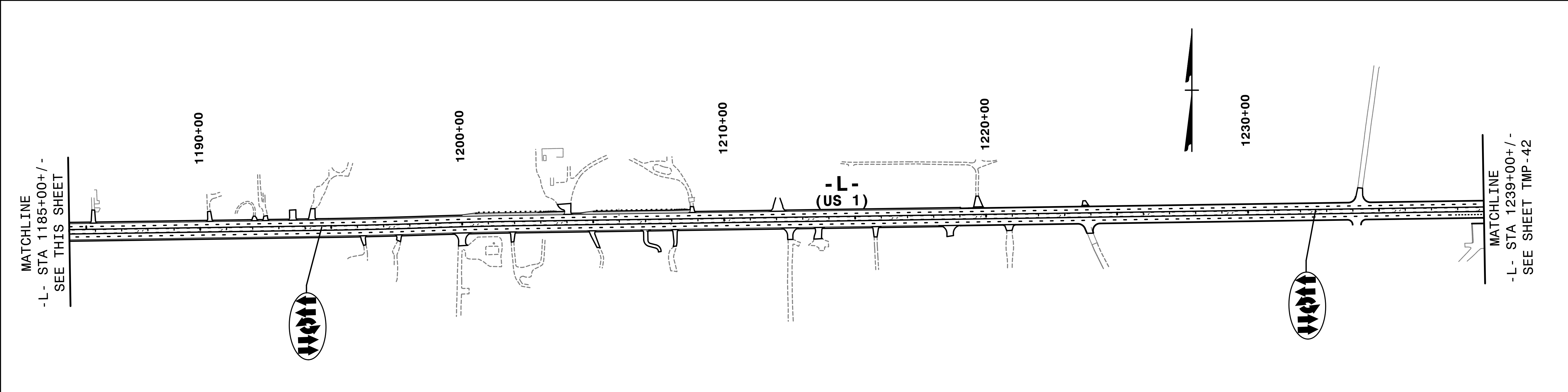
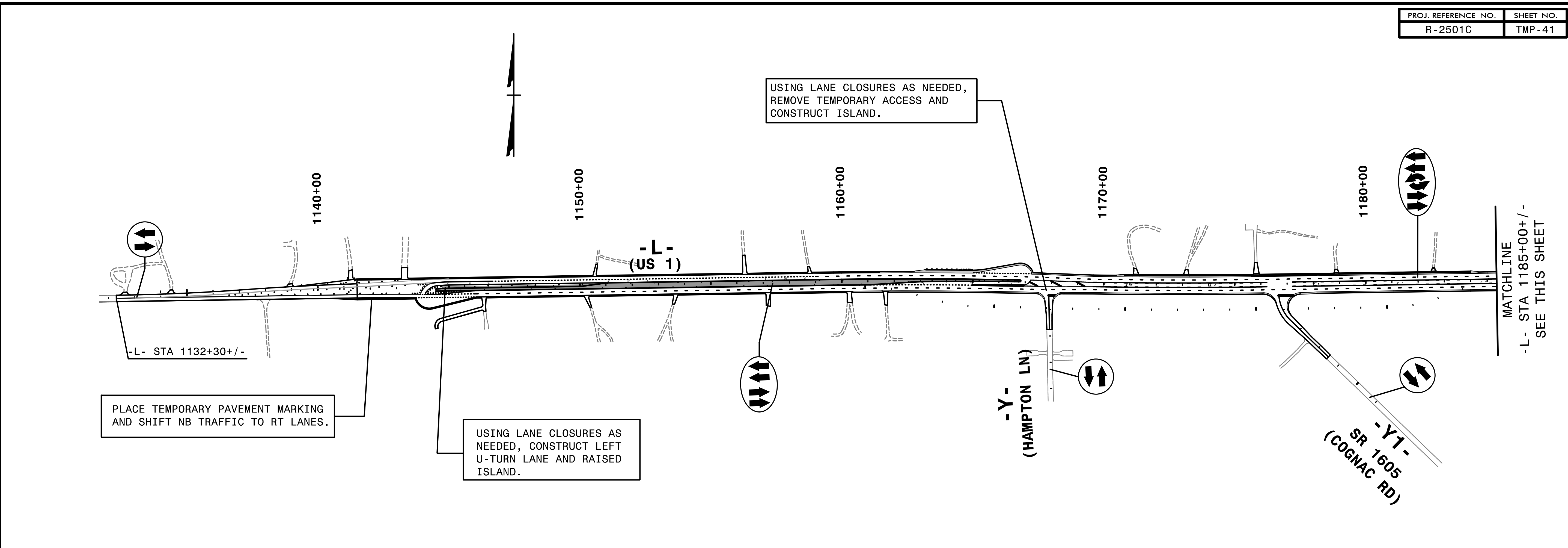
**SEAL**  
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PROFESSIONAL  
ENGINEER  
RHONDA B. EARLY  
023521

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TRANSPORTATION  
MANAGEMENT PLAN

PHASE IIIA  
DETAIL 2



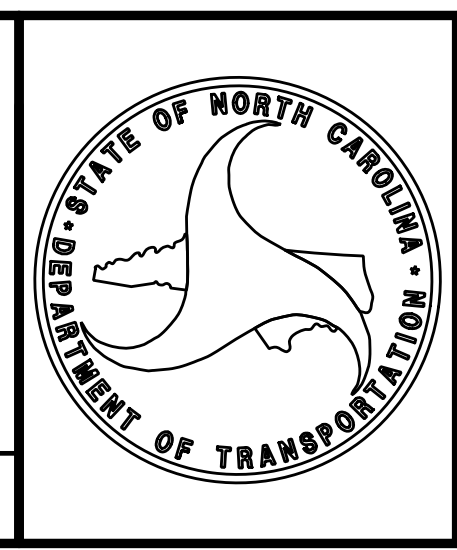
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 HNTB



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 DATE: 1/23/2018

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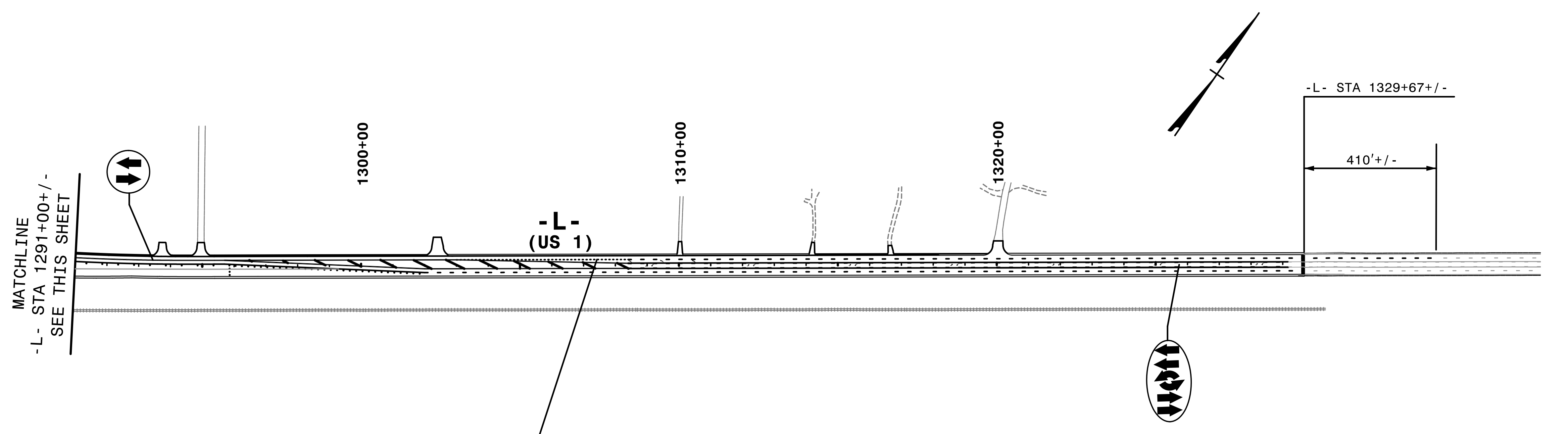
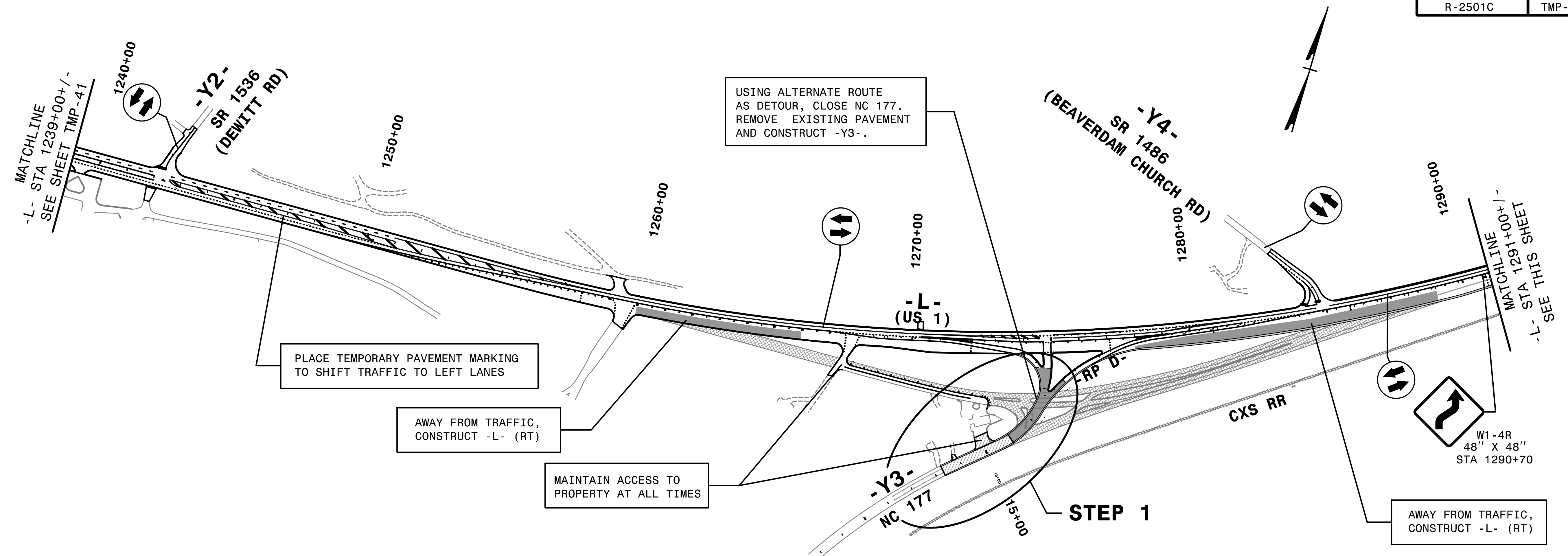
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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE IV  
 OVERVIEW

SHEET 1 OF 2



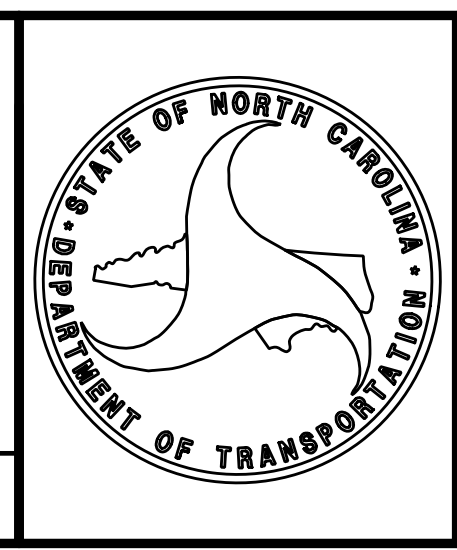
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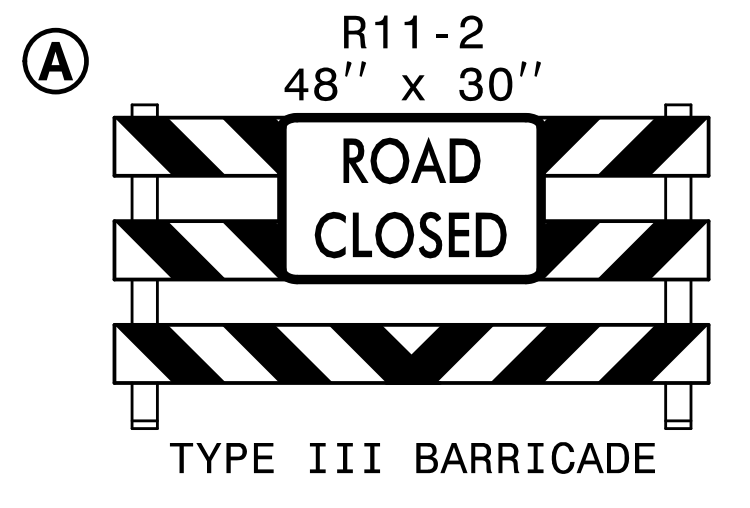
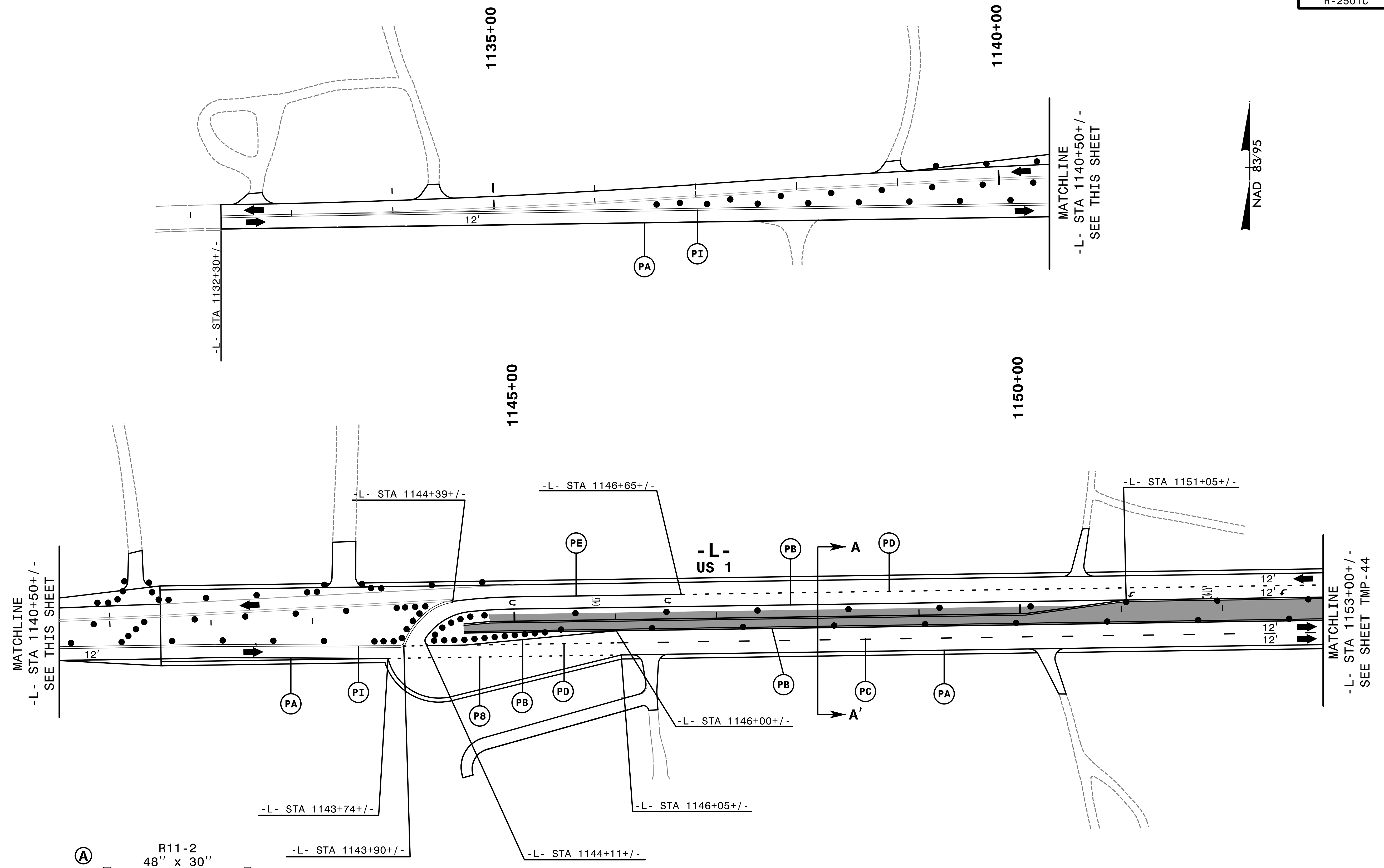
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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE IV  
 OVERVIEW

SHEET 2 OF 2



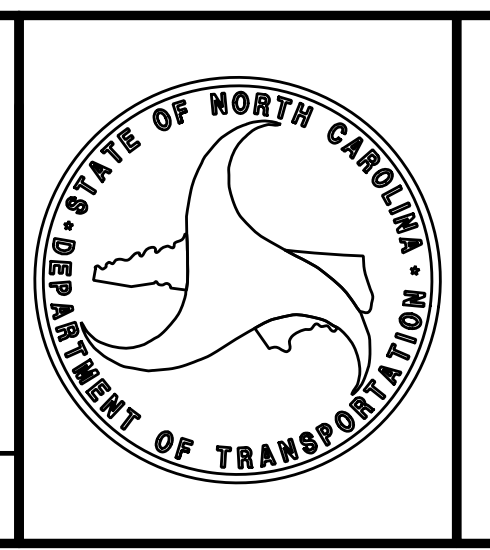
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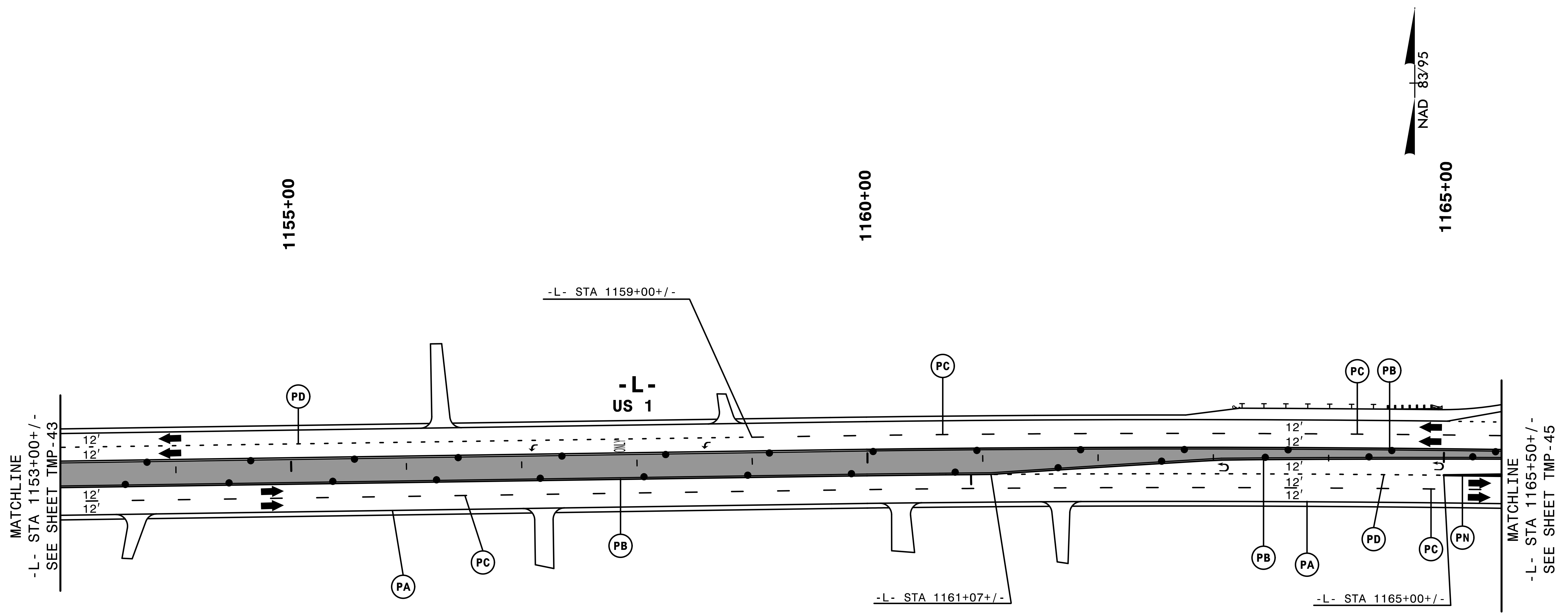
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 MANAGEMENT PLAN

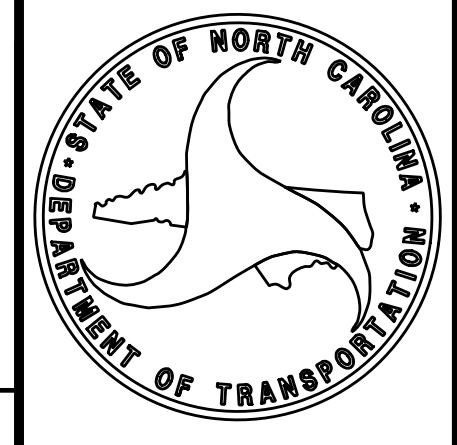
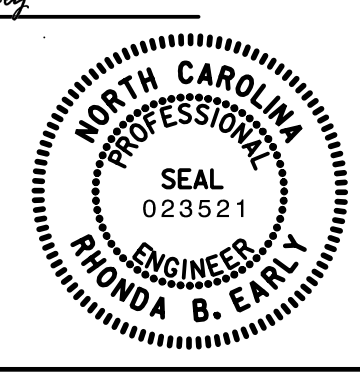
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 DETAIL 1**



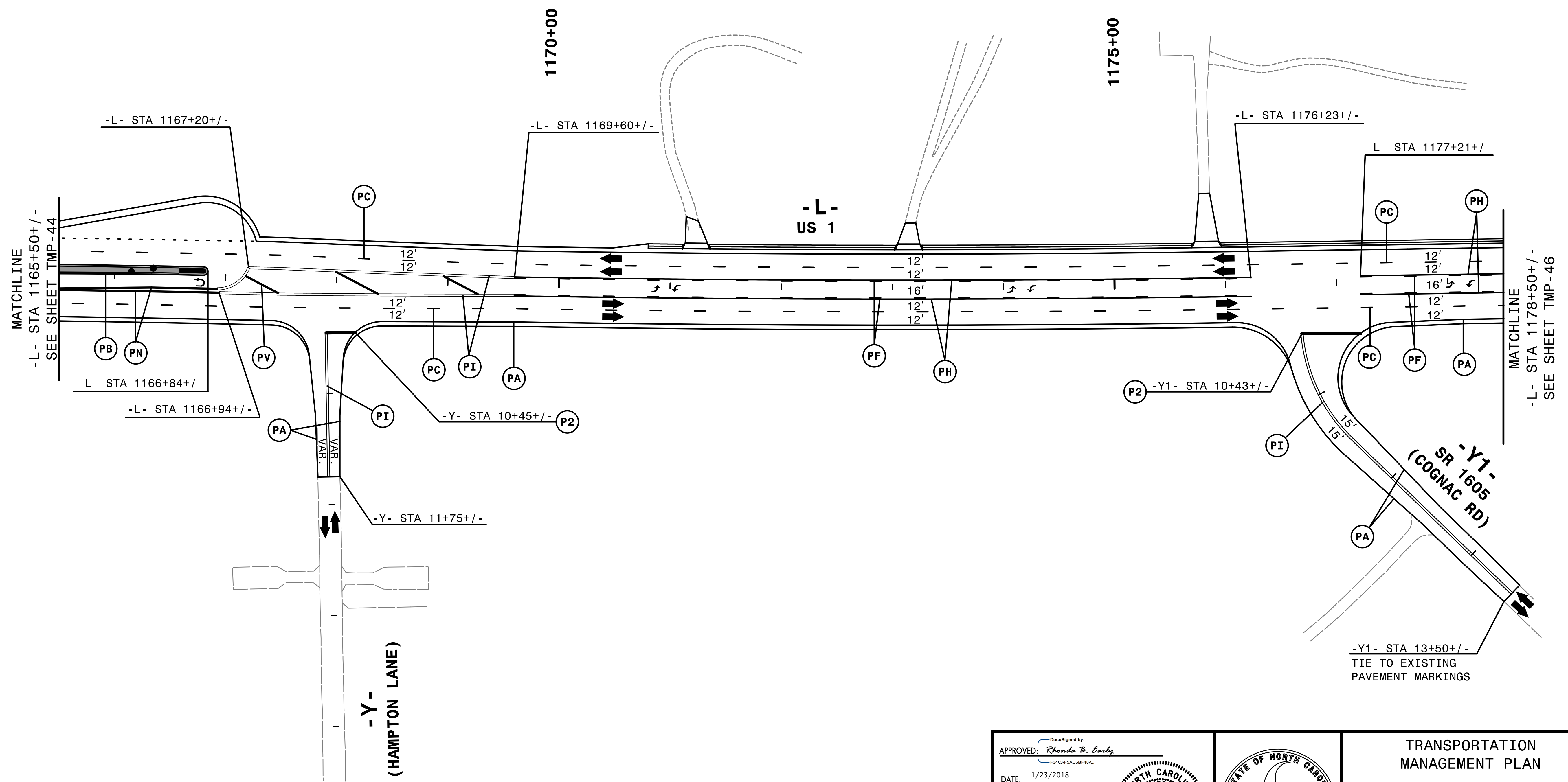
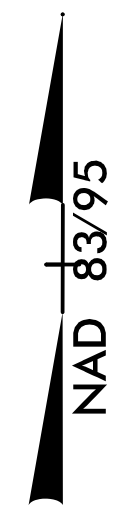
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TRANSPORTATION  
 MANAGEMENT PLAN  
  
 PHASE IV  
 DETAIL 2



REFER TO SHEET TMP-2 FOR INTERSECTION RELOCATION DETAIL(S).

REMOVE CONFLICTING PAVEMENT MARKING.

1/23/2018  
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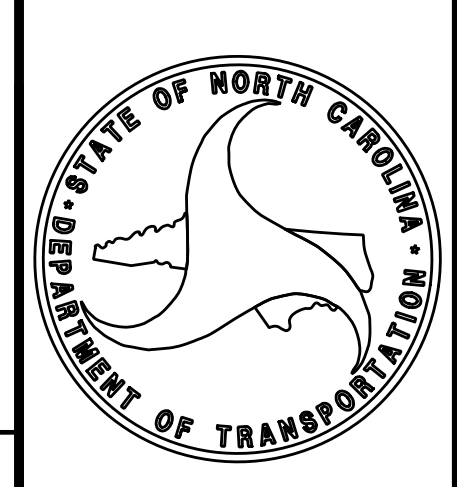
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DATE: 1/23/2018

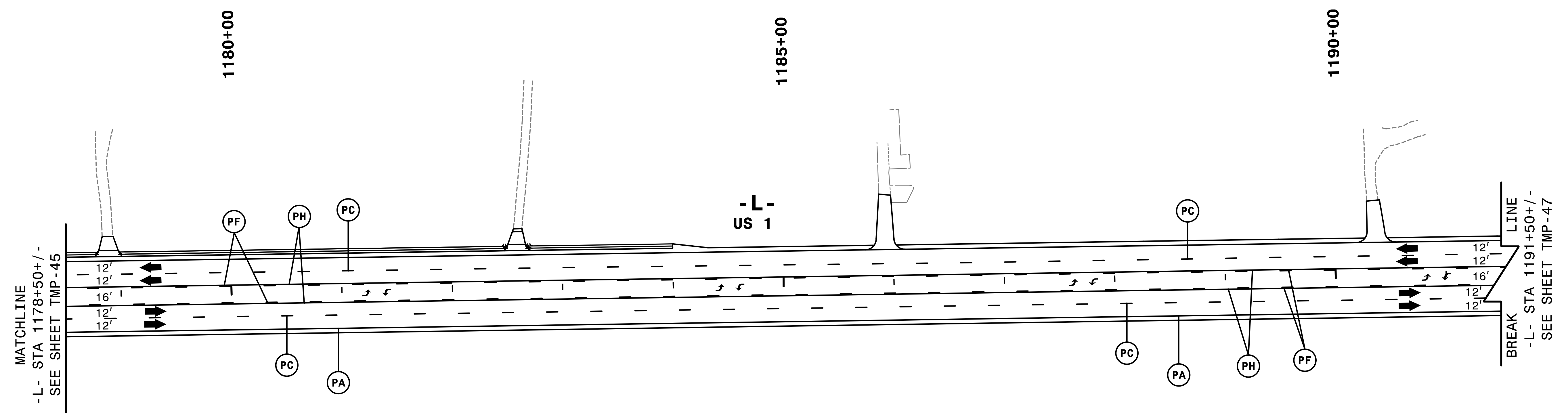
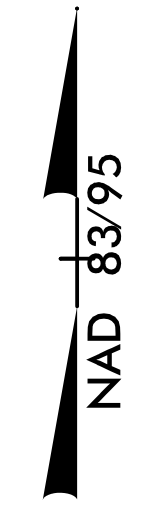
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 023521

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 MANAGEMENT PLAN

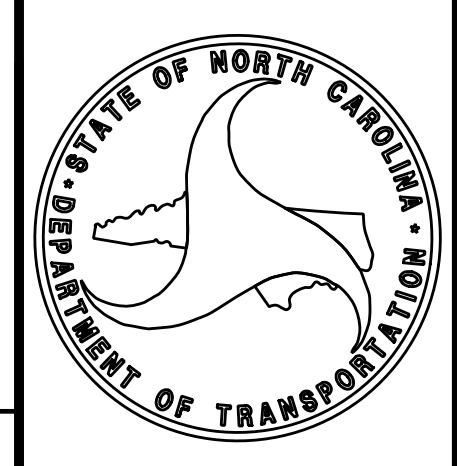
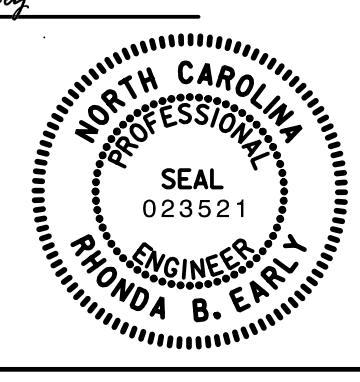
PHASE IV  
 DETAIL 3



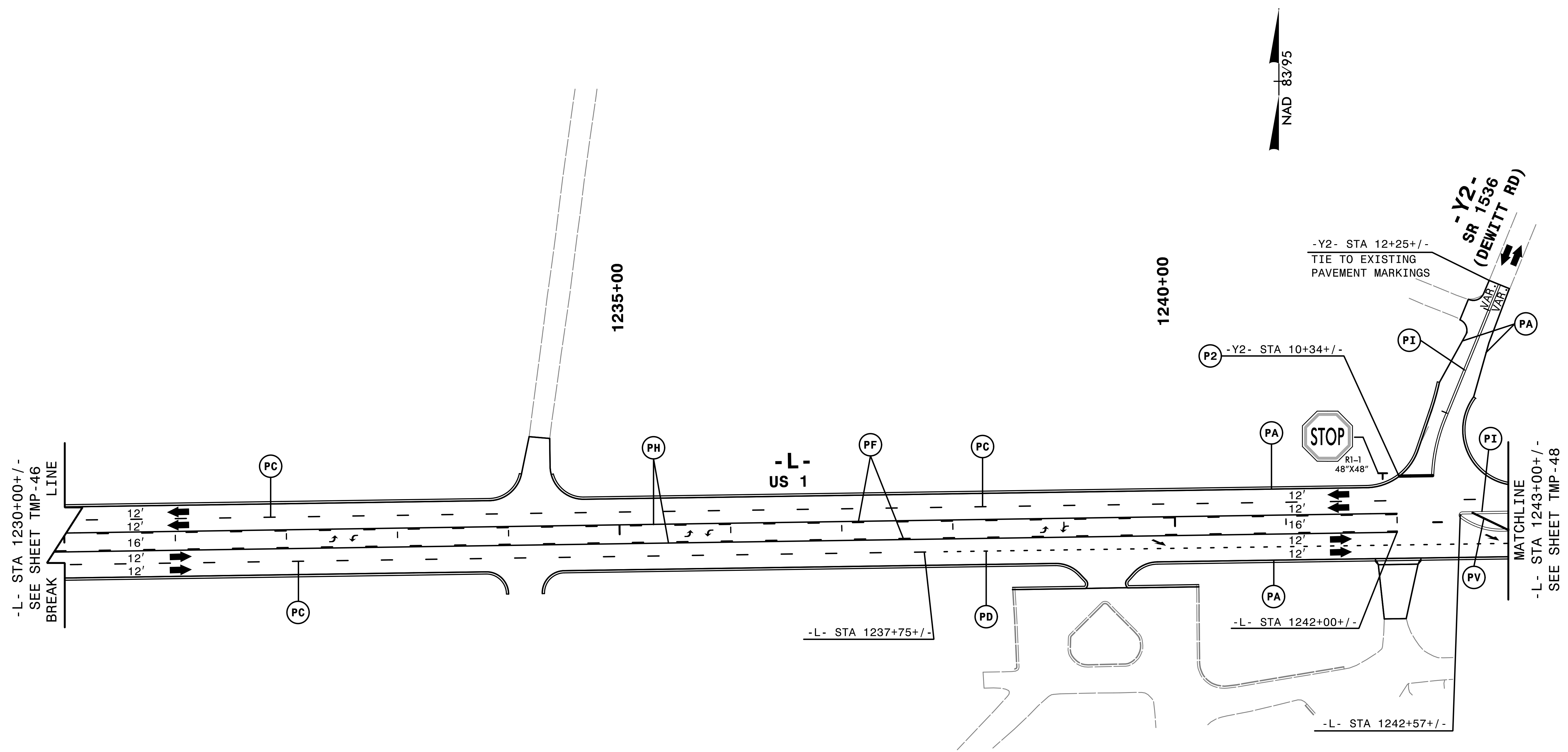
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TRANSPORTATION  
 MANAGEMENT PLAN  
  
 PHASE IV  
 DETAIL 4



-L- STA 1230+00 +/-  
SEE SHEET TMP-46  
BREAK  
LINE

-L-  
US 1

-Y2- STA 12+25 +/-  
TIE TO EXISTING  
PAVEMENT MARKINGS

-Y2-  
SR 1536  
(DEWITT RD)

P2 -Y2- STA 10+34 +/-

MATCHLINE  
-L- STA 1243+00 +/-  
SEE SHEET TMP-48

-L- STA 1237+75 +/-

-L- STA 1242+00 +/-

-L- STA 1242+57 +/-

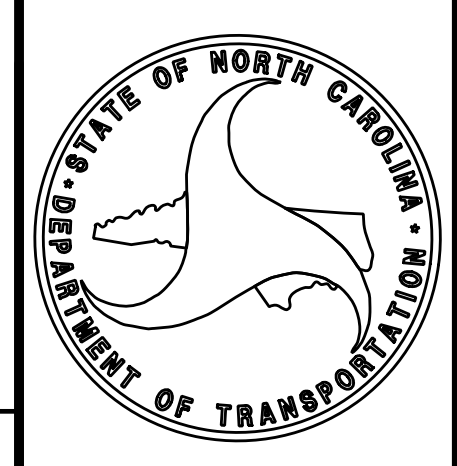
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REFER TO RSD 1205.13 FOR SIGN PLACEMENT FOR LANE DROP.

1/23/2018  
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HNTB

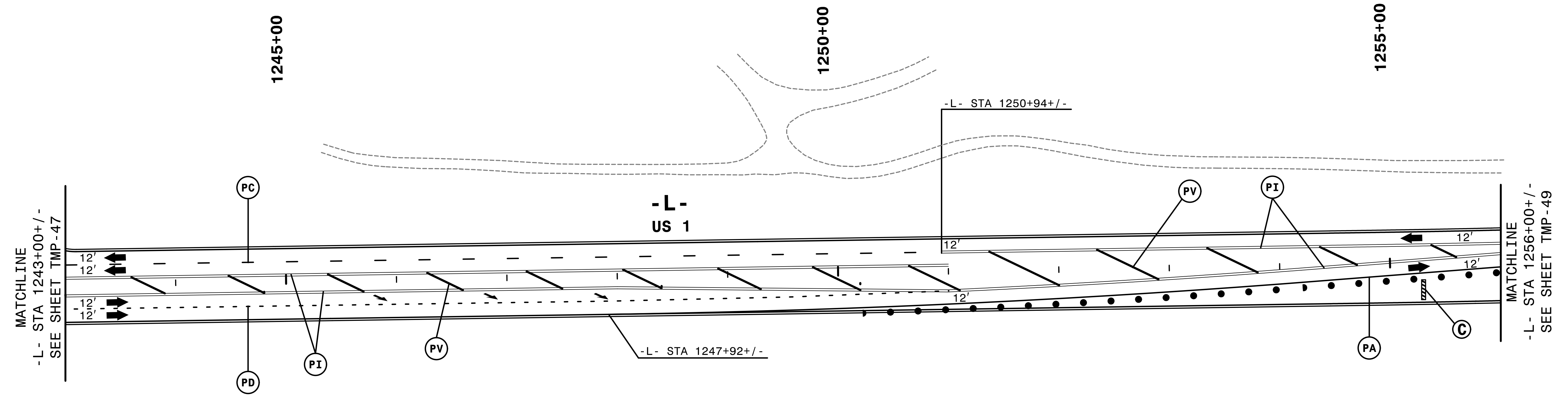
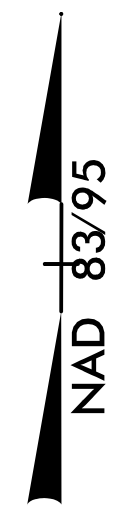
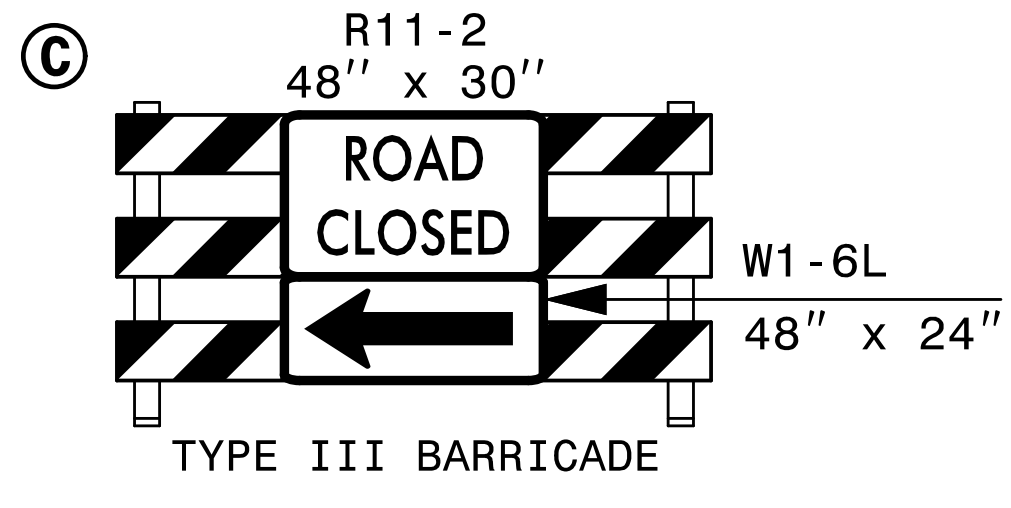
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NC License No: C-1554

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ENGINEER  
RHONDA B. EARLY  
023521  
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TRANSPORTATION  
MANAGEMENT PLAN  
  
PHASE IV  
DETAIL 5





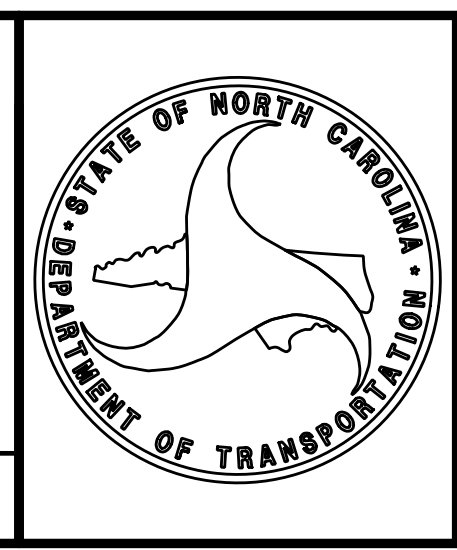
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 DATE: 1/23/2018

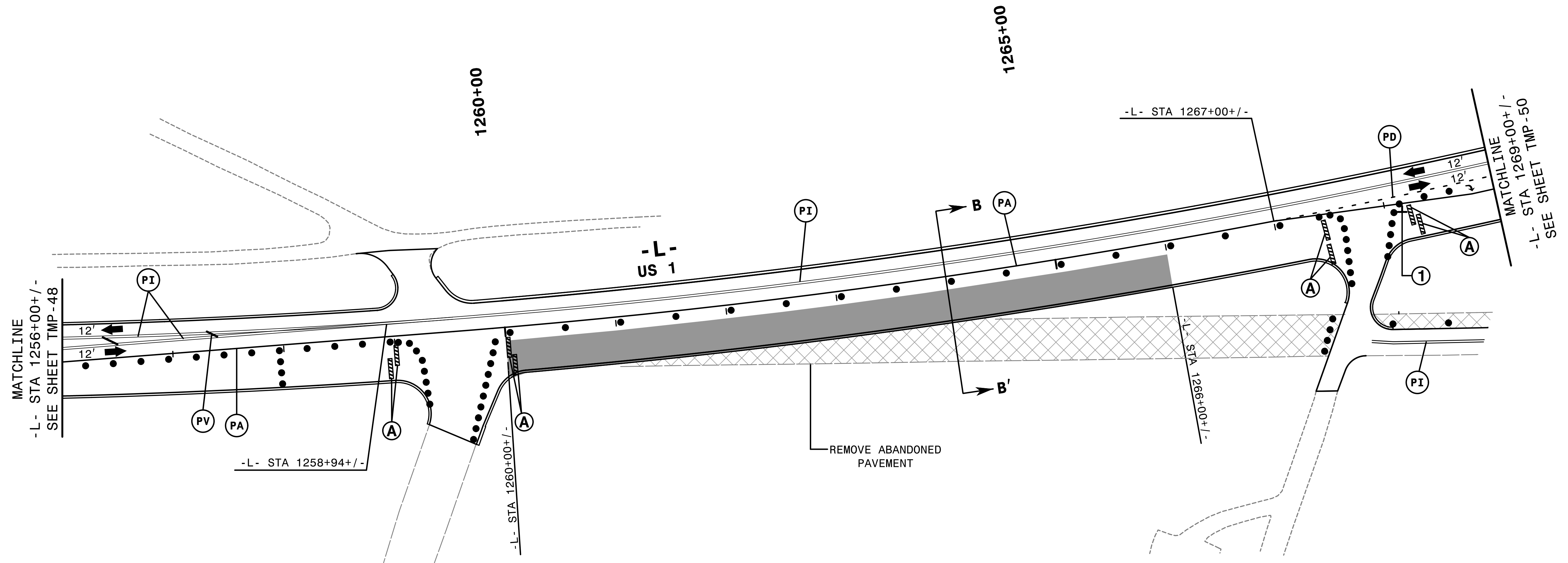
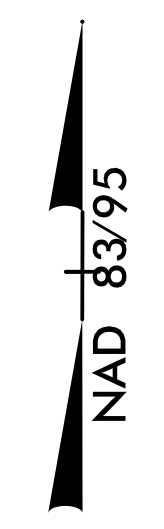
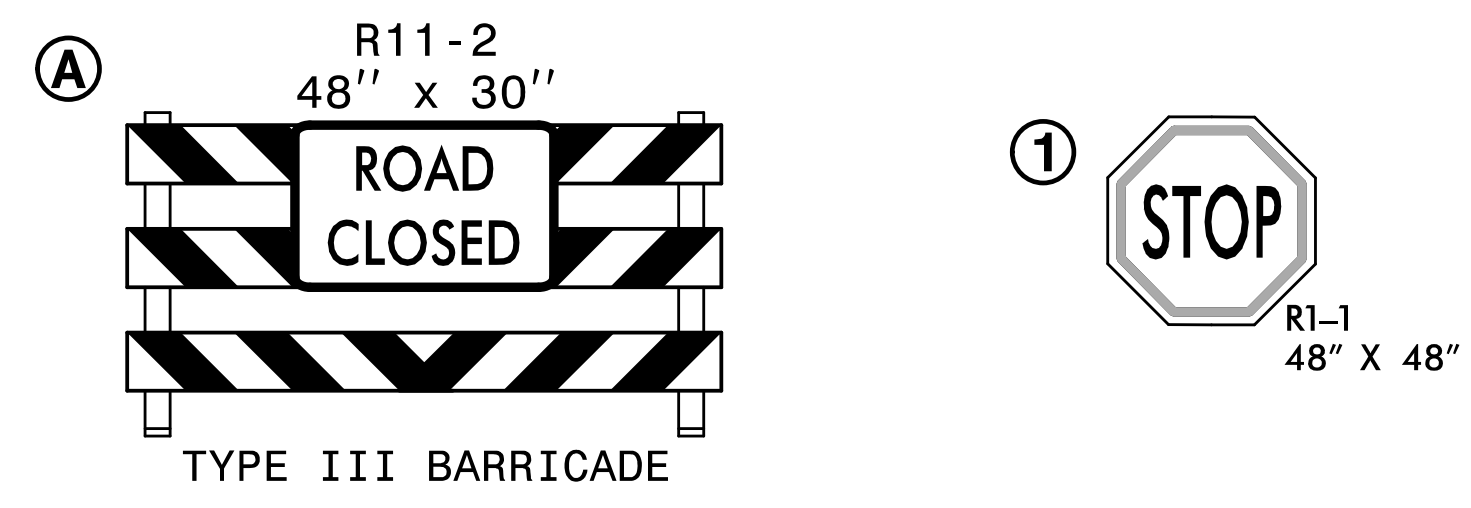
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 023521  
 ENGINEER  
 RHONDA B. EARLY

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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE IV  
 DETAIL 6



MATCHLINE  
-L- STA 1256+00+/-  
SEE SHEET TMP-48

-L- STA 1258+94+/-

-L- STA 1260+00+/-

-L- STA 1267+00+/-

-L- STA 1266+00+/-

MATCHLINE  
-L- STA 1269+00+/-  
SEE SHEET TMP-50

REFER TO SHEET TMP-56 FOR CUT SECTION(S).

1/23/2018  
TCP\NR-2501c\_fc\_P4D7.dgn  
HNTB

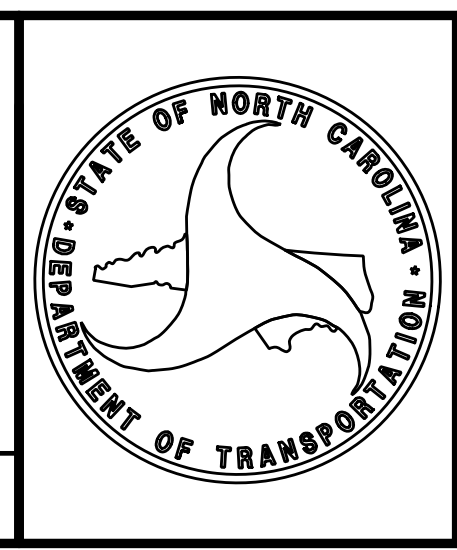
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DATE: 1/23/2018

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Rhonda B. Early

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ENGINEER  
RHONDA B. EARLY  
023521

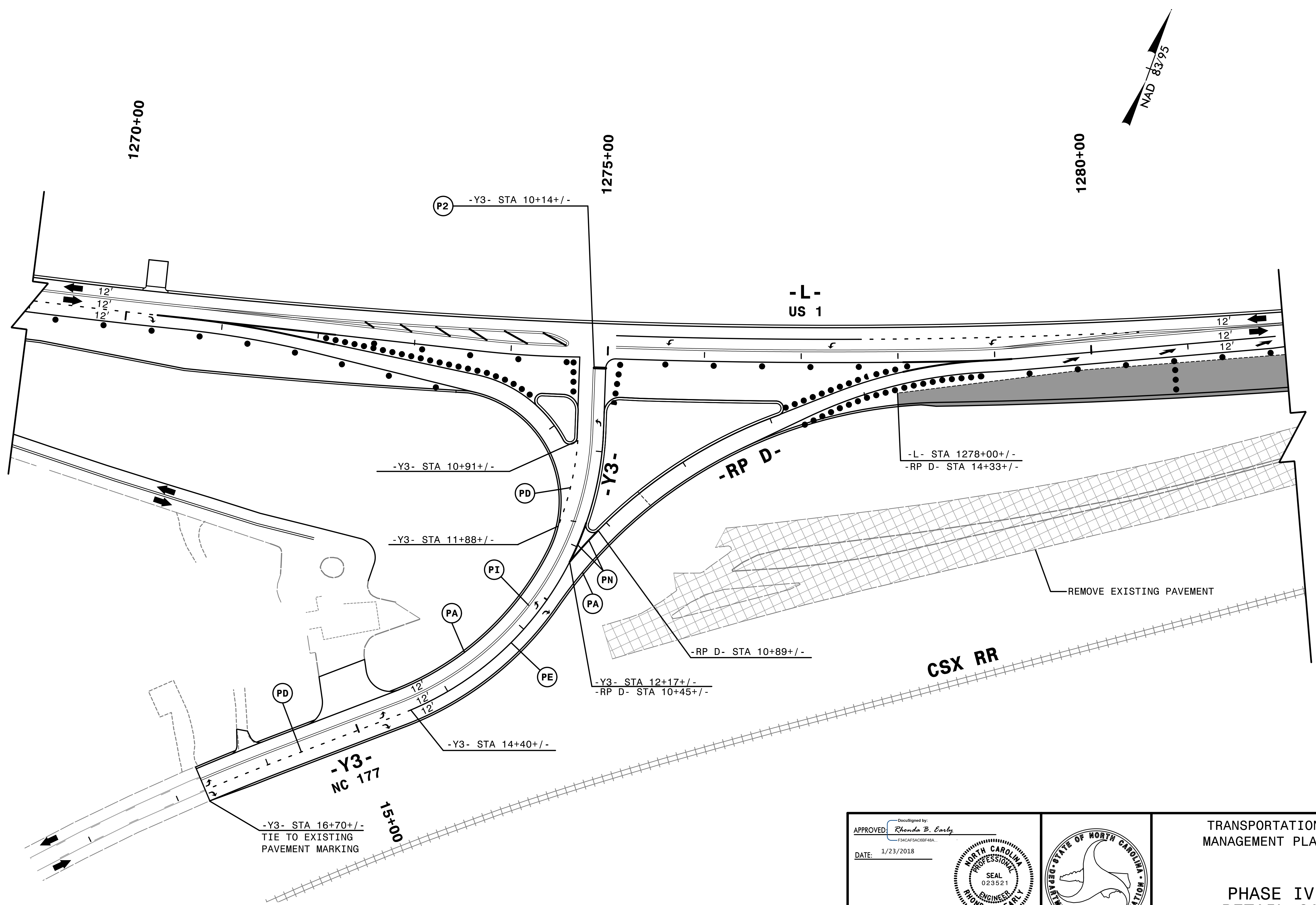
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TRANSPORTATION  
MANAGEMENT PLAN

PHASE IV  
DETAIL 7





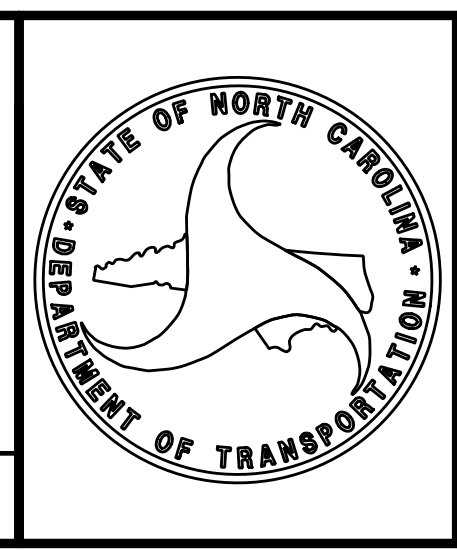
REFER TO SHEET TMP-2 FOR INTERSECTION RELOCATION DETAIL(S).

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 DATE: 1/23/2018

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 ENGINEER  
 RHONDA B. EARLY  
 023521

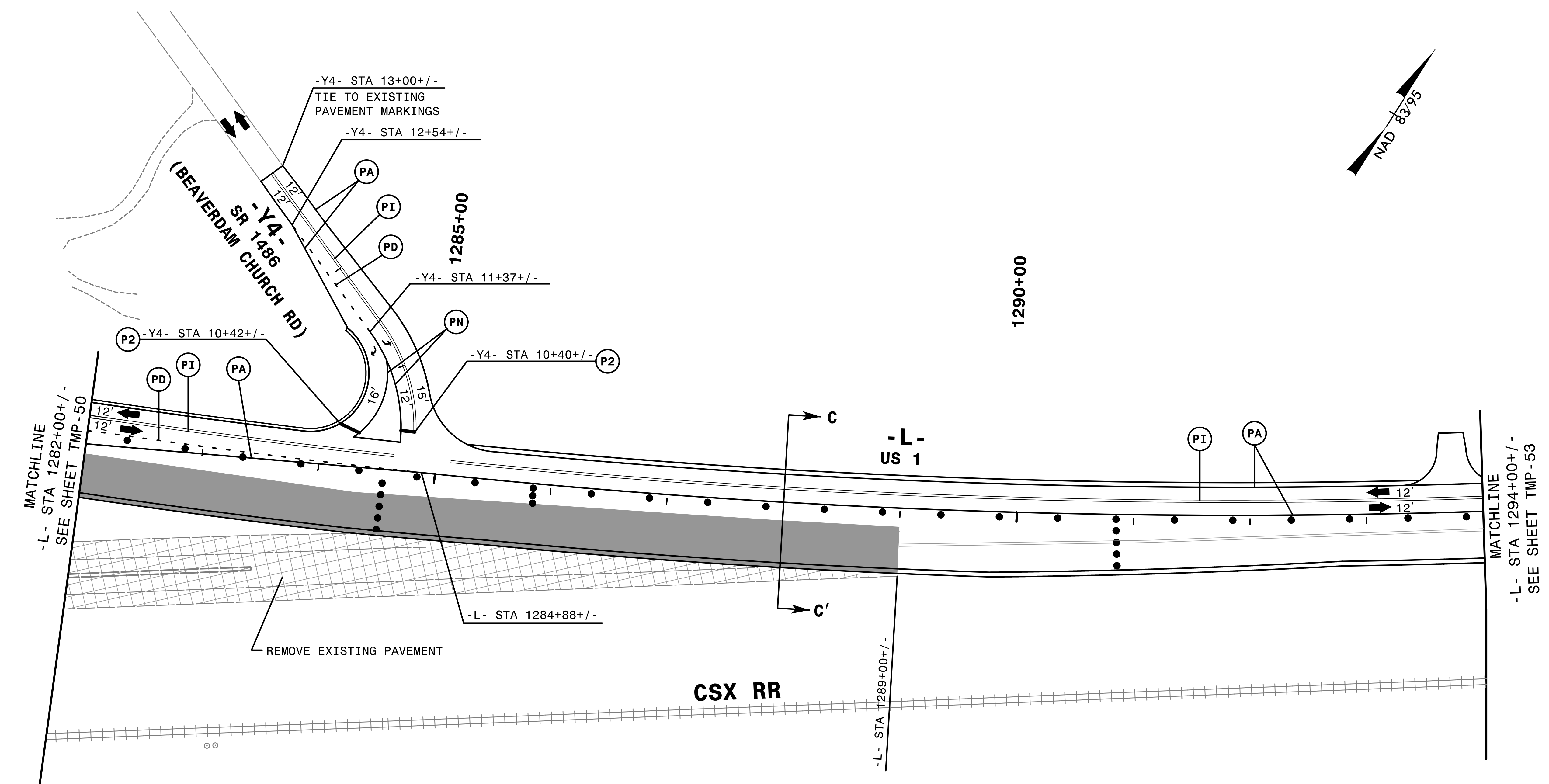
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TRANSPORTATION  
 MANAGEMENT PLAN

PHASE IV  
 DETAIL 8A

1/23/2018  
 TCP\NR-2501c\_fc\_P4D8A.dgn  
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REFER TO SHEET TMP-54 FOR CUT SECTION(S).

REFER TO SHEET TMP-2 FOR INTERSECTION RELOCATION DETAIL(S).

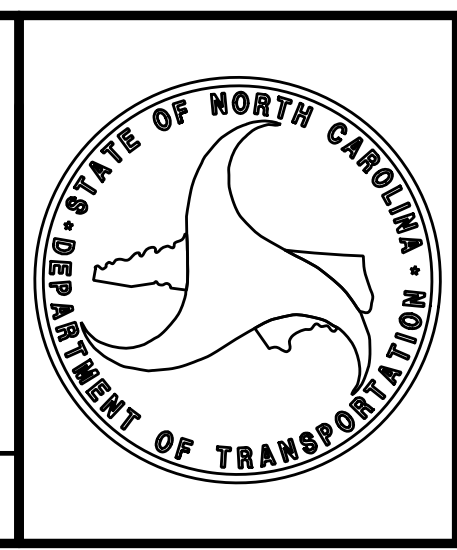


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DATE: 1/23/2018

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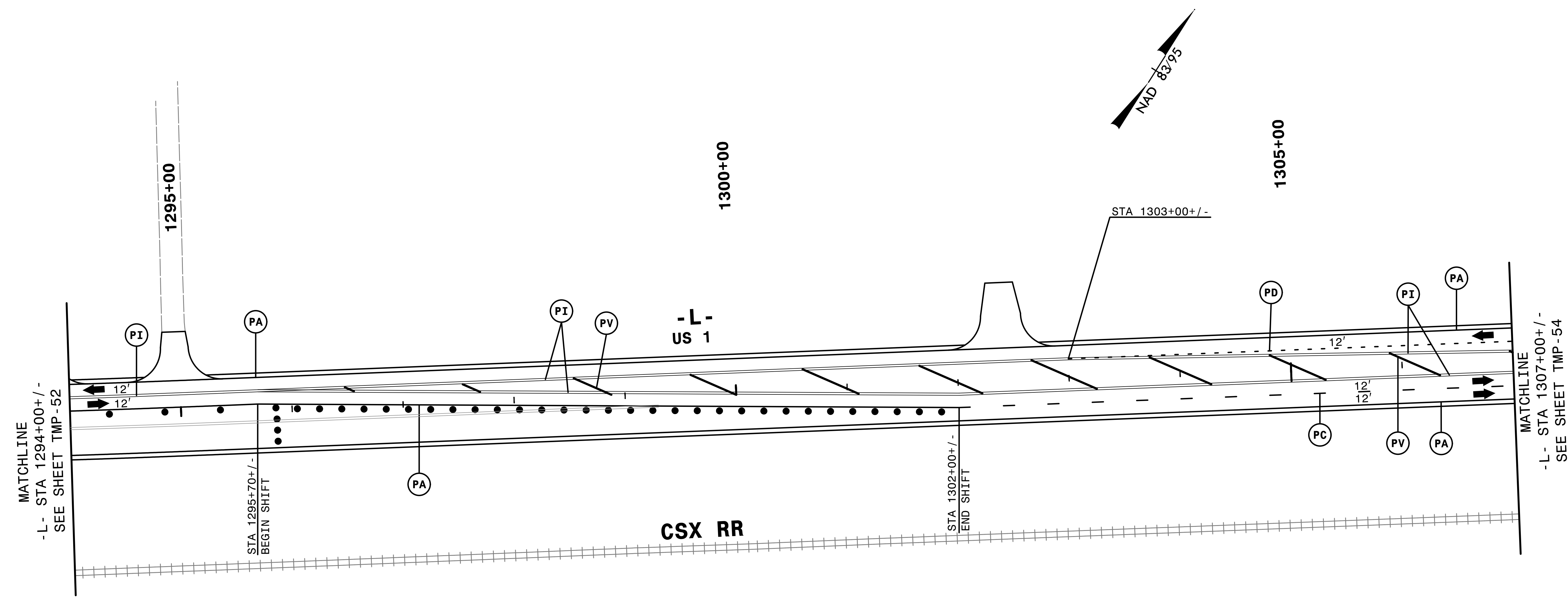
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TRANSPORTATION MANAGEMENT PLAN

PHASE IV DETAIL 9

1/23/2018  
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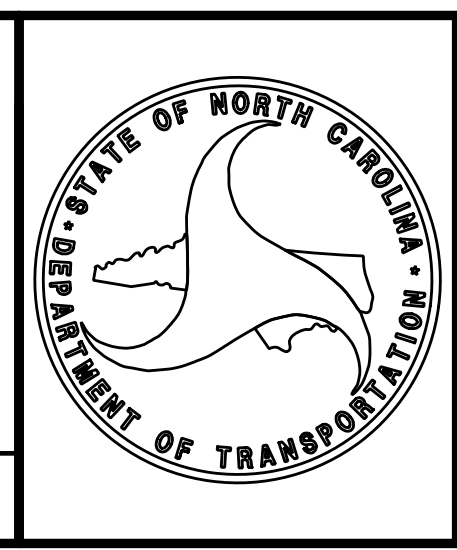
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 DATE: 1/23/2018

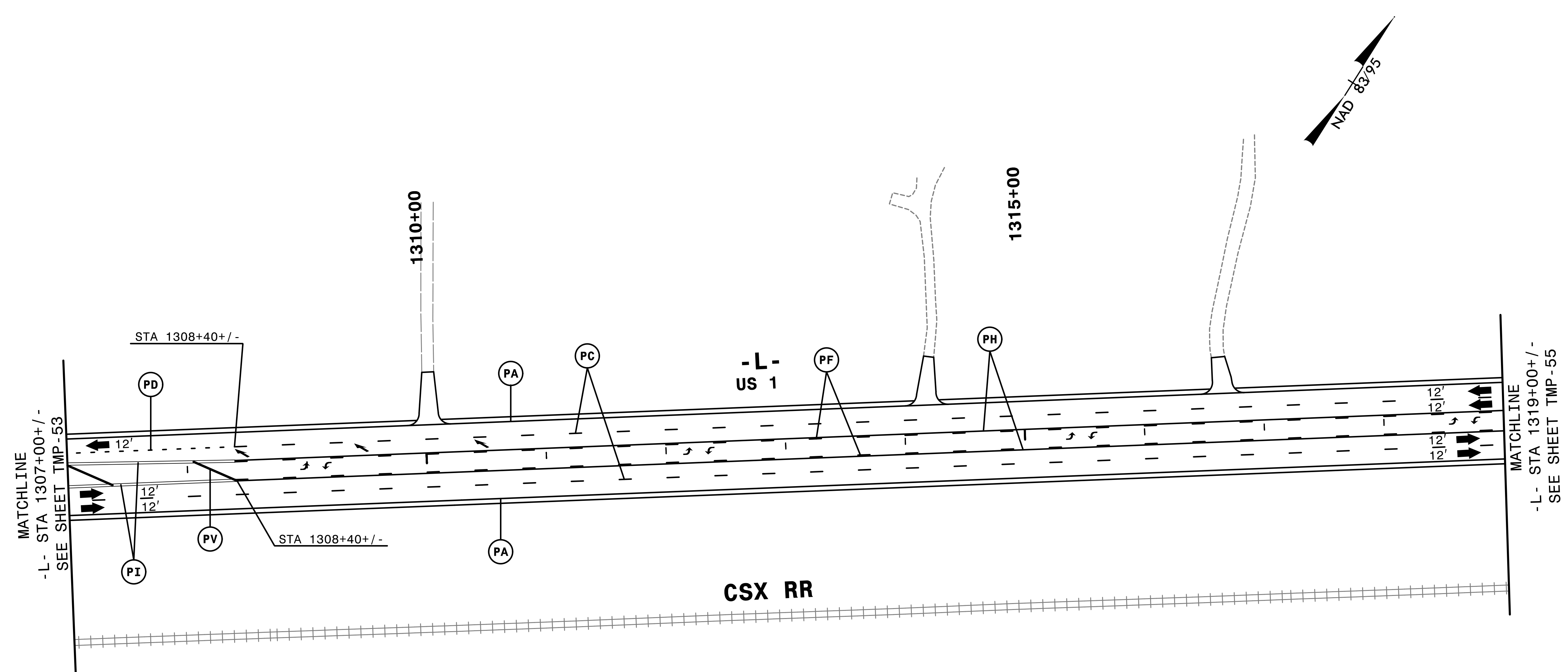
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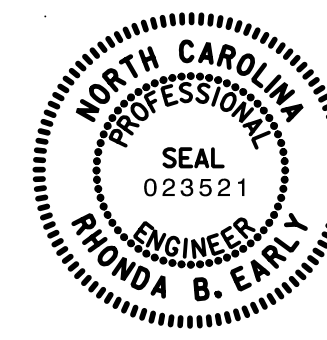
TRANSPORTATION  
 MANAGEMENT PLAN

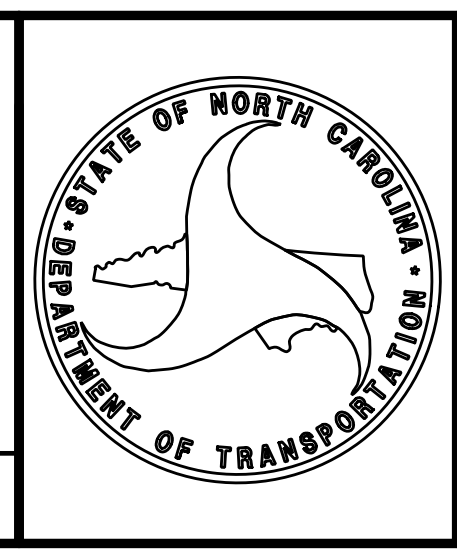
PHASE IV  
 DETAIL 10



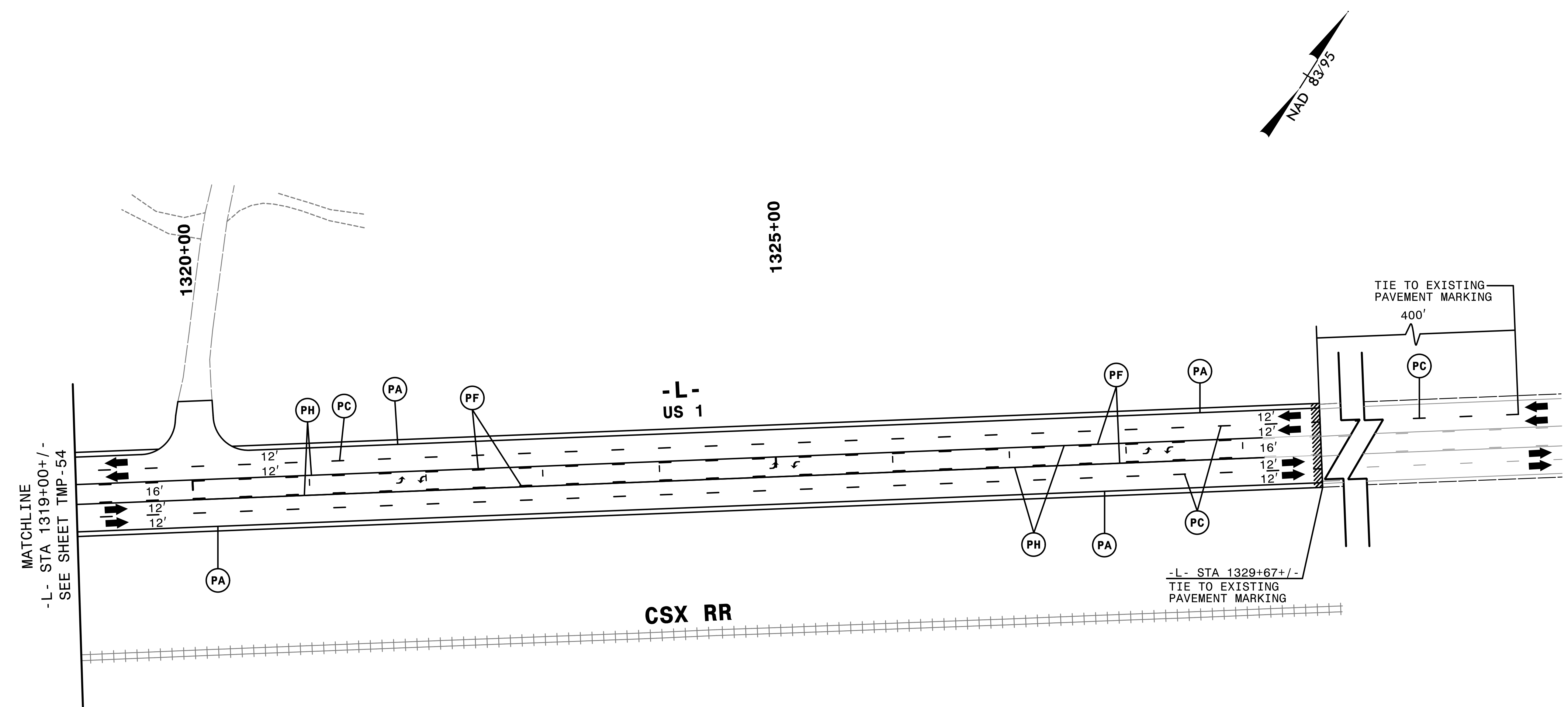
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TRANSPORTATION  
 MANAGEMENT PLAN  
  
 PHASE IV  
 DETAIL 11



MATCHLINE  
-L- STA 1319+00+/-  
SEE SHEET TMP-54

CSX RR

-L- STA 1329+67+/-  
TIE TO EXISTING  
PAVEMENT MARKING

TIE TO EXISTING  
PAVEMENT MARKING  
400'

REFER TO SHEET TMP-54 FOR CUT SECTION(S).

REMOVE CONFLICTING PAVEMENT MARKING.

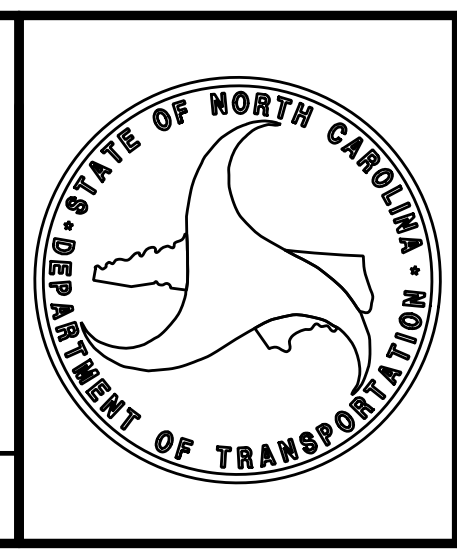


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F34CAF5AC8BF48A...

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RHONDA B. EARLY

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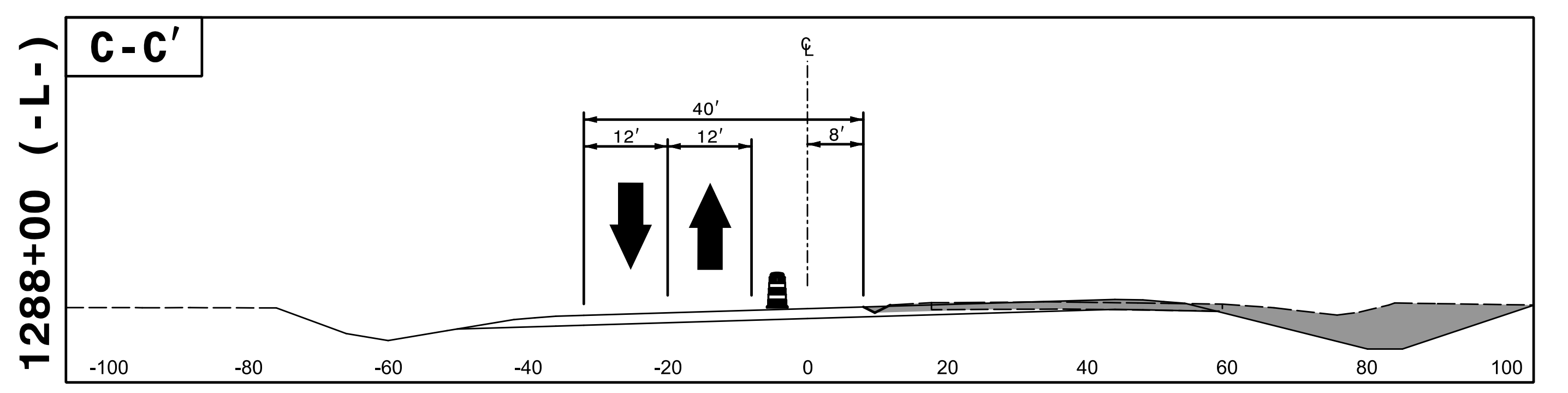
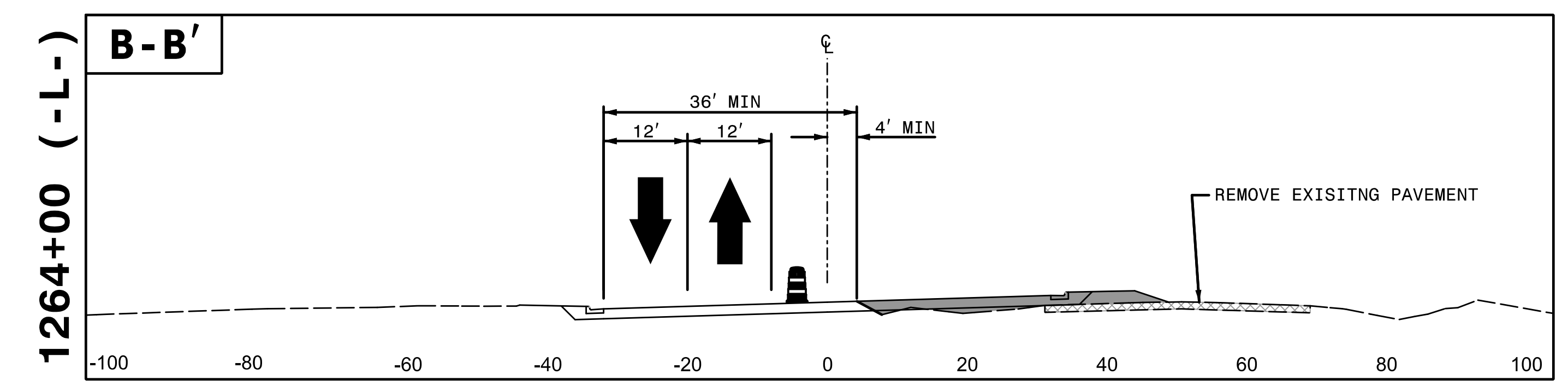
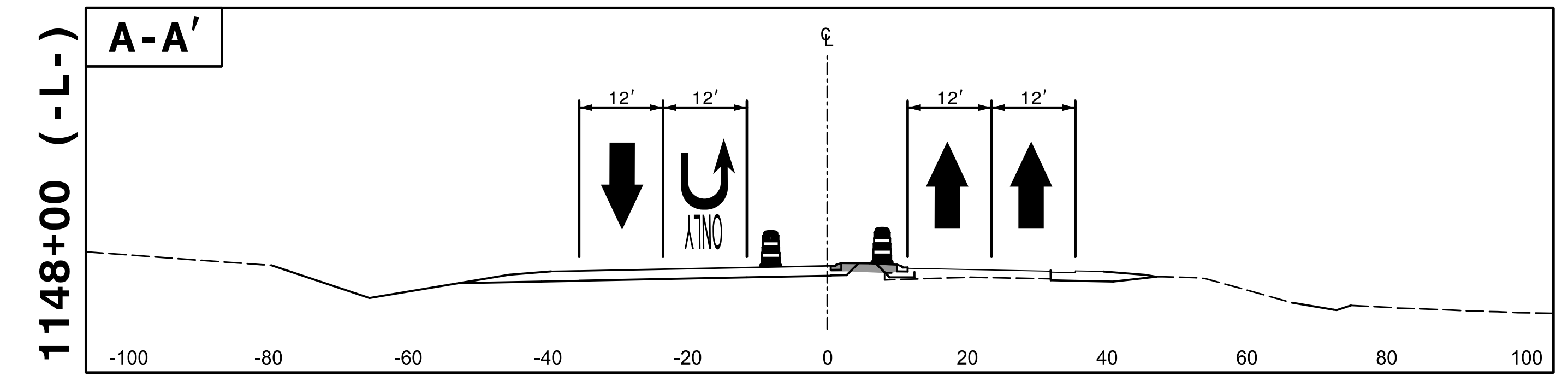


TRANSPORTATION  
MANAGEMENT PLAN

PHASE IV  
DETAIL 12

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TCP\NR-2501c\_fc\_P4D12.dgn  
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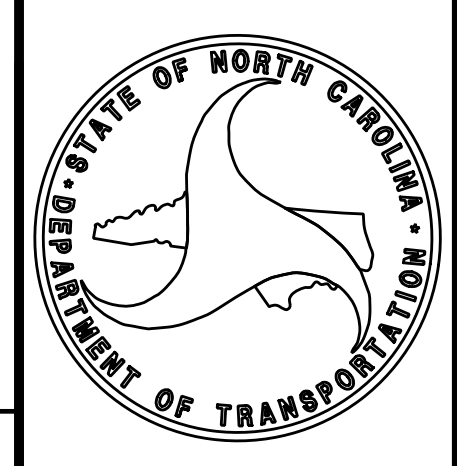
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TRANSPORTATION  
MANAGEMENT PLAN

PHASE IV  
CUT SECTIONS